

U.S. Department
of Transportation

800 Independence Ave., S.W.
Washington, D.C. 20591

**Federal Aviation
Administration**

Transmittal Letter 14-16

June 20, 2014

**PREPARED BY THE PRODUCT SUPPORT GROUP, AJV-34
(AVAILABLE ON THE WEB AT [HTTP://NFDC.FAA.GOV](http://NFDC.FAA.GOV))**

The enclosed Standard Instrument Approach Procedures, Departure Procedures/Takeoff Minimums and Fix Actions are effective as indicated.

The following are corrected copies of procedures, previously published in TL 14-13 on May 9, 2014, TL 14-14 on May 23, 2014, and TL 14-15 on June 6, 2014.

Akutan, AK, Akutan, RNAV (GPS) RWY 27, Orig
Jeffersonville, IN, Clark Rgnl, ILS OR LOC RWY 18, Amdt 3
Springfield, MO, Springfield-Branson National, ILS OR LOC RWY 2, Amdt 18B
Nashville, TN, Nashville Intl, ILS OR LOC/DME RWY 20L, Amdt 6

The following procedure, previously published in TL 14-15 on June 6, 2014, with an effective date of 24 July 2014, has been rescinded in its entirety.

Akutan, AK, Akutan, RNAV (GPS) RWY 9, Orig

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION	RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33	Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LNAV/VNAV: DA LNAV: RW27
TESPE (IAF)	ZIVGO (FB)	185.91 / 49.79	4900	CLIMB TO 9000 DIRECT WIRTU AND ON TRACK 305.72 TO ZEBUV AND HOLD, CONTINUE CLIMB-IN-HOLD TO 9000.
ZIVGO (IF)	UVDAA (FB)	254.17 / 7.20	2700	
UVDAA (FAF)	CUVBU/3.60 NM TO RW27 (FB)	268.90 / 4.33		
CUVBU/3.60 NM TO RW27	RW27 (MAP) (FO)	268.90 / 3.60		
RW27 (MAP)	529 MSL	268.90		
529 MSL	WIRTU (FO)			ADDITIONAL FLIGHT DATA: HOLD NW, RT, 122.55 INBOUND. CHART FAS OBST: 408 TREE 540855N/1653459W 456 AAO 540744N/1652948W CHART CIRCLING ICON. DISTANCE TO THLD FROM 658 HAT: 1.92 NM. ←
WIRTU	ZEBUV (FO)	305.72/14.11	9000	

THIS IS A CORRECTED COPY OF A PROCEDURE ORIGINALLY PUBLISHED IN TL 14-15

1. PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)
2. PROFILE STARTS AT ZIVGO					
3. FAC:	268.90	FAC: UVDAA	DIST FAF TO MAP: 7.93 THLD: 7.93		
4. MIN. ALT: ZIVGO 4900, UVDAA 2700, CUVBU/3.60 NM TO RW27 1320*					
5. DIST TO THLD FROM OM:	MM:	IM:	150 HAT:	100 HAT:	GS ANT:
6. MIN GS INCPT:	2700	GS ALT AT: UVDAA 2700	OM:	MM:	IM:
7. GS ANGLE:	3.00	TCH: 45.0	34:1 IS NOT CLEAR		
8. MSA FROM: RW27 5500					

MAG VAR: 10E EPOCH YEAR: 2015

MINIMUMS															
TAKEOFF:	SEE FAA FORM 8260-15A FOR THIS AIRPORT						ALTERNATE: N A	@							
CATEGORY ==>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LNAV/VNAV DA	787	2 1/2	658	787	2 1/2	658	787	2 1/2	658	787	2 1/2	658			
LNAV MDA	1040	1 1/4	911	1040	1 1/4	911	1040	2 1/2	911	1040	2 1/2	911			
CIRCLING	1040	1 1/4	911	1140	1 1/2	1011	1540	3	1411	1920	3	1791			

NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -19C (-2F) OR ABOVE 54C (130F). CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: PROCEDURE NA AT NIGHT. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. (SEE FORM 8260-10)	@ CAT A 900-2, CAT B 1100-2, CAT C 1500-3, CAT D 1800-3

CITY AND STATE AKUTAN, AK	ELEVATION: 129 TDZE: 129 AIRPORT NAME: AKUTAN	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 27, ORIG 24 JULY 2014	SUP: AMDT: NONE DATED

QUALITY
7
CHECKED

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

NOTES, (CONT.):

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT TESPE ON R99 AND G1 G8 NORTHEAST BOUND.
*LNAV ONLY

QUALITY
6
CHECKED

CITY AND STATE
AKUTAN, AK

ELEVATION: 129 TDZE: 129
AIRPORT NAME:
AKUTAN

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 27, ORIG
24 JULY 2014

SUP:
AMDT: NONE
DATED:

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

[illegible][illegible][illegible][illegible][illegible]

QUALITY
6
CHECKED

FAA FORM 8260 - 10 / April 2006 (Computer Generated)

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICES - FAR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	TESPE	TESPE	010	IAF	IF		FB					
	TESPE	ZIVGO	020		TF		FB	1.0	185.9 (195.9T)	049.8	AA 04900	
		ZIVGO	010	FACF	IF		FB				AA 04900	
		UVDAA	020	FAF	TF		FB	0.5	254.2 (264.2T)	007.2	AA 02700	
		CUVBU	021	SDF	TF		FB	0.3	268.9 (278.9T)	004.3	AA 01320	GS 01320
		RW27	030	MAP	TF		FO	0.3	268.9 (278.9T)	003.6	AT 00174	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		268.9 (278.9T)		AA 00529	
	WIRTU	050		DF		FB					
	ZEBUV	060		TF		FO	1.0	305.7 (315.7T)		AA 09000	
	ZEBUV	070		HM	R	FO		122.6 (132.6T)	007.0	AA 09000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CUVBU	N540804.40	W1652934.48	N5408.073	W16529.575
	TESPE	N545558.89	W1644655.85	N5455.982	W16446.931
	UVDAA	N540724.48	W1652218.03	N5407.408	W16522.301
	WIRTU	N540855.35	W1653859.15	N5408.923	W16538.986
	ZEBUV	N541859.23	W1655548.38	N5418.987	W16555.806
	ZIVGO	N540808.94	W1651007.62	N5408.149	W16510.127
	RW27	N540837.24	W1653537.44	N5408.621	W16535.624

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW27	00129	45

QUALITY
6
CHECKED

CITY AND STATE AKUTAN, AK	ELEVATION: 129	TDZE: 129	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME:	AKUTAN	RNAV	RNAV (GPS) RWY 27, ORIG	AMDT: NONE
				24 JULY 2014	DATED:

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.29

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TERMINAL ROUTES

MISSED APPROACH

FROM

TO

COURSE AND DISTANCE

ALTITUDE

ILS: DA

LOC: 6.11 MILES AFTER CATCH LOM

CLIMB TO 1500 THEN CLIMBING LEFT TURN TO 2500 DIRECT CATCH LOM AND HOLD, OR AS DIRECTED BY ATC.

ALTERNATE MA: CLIMB TO 2300 ON HEADING 181.98 FOR RADAR VECTORS.

ADDITIONAL FLIGHT DATA:

HOLD N, LT, 182.29 INBOUND.

FAS OBST: 739 AAO 382609N/0854410W

CHART CIRCLING ICON

CHART (CFBXQ) AT 383426.66N/0854416.70W

CHART MAX 6000 AT CATCH LOM

THIS IS A CORRECTED COPY OF A PROCEDURE ORIGINALLY PUBLISHED IN TL 14-14

1. PT L SIDE OF COURSE 001.98 OUTBOUND 2600 FT WITHIN 10 MILES OF CATCH LOM (IAF)

2.

3. FAC: 181.98 FAF: CATCH LOM DIST FAF TO MAP: 6.11 THLD: 6.11

4. MIN. ALT: CATCH LOM 2500

5. DIST TO THLD FROM OM: 6.11 MM: - IM: - 150 HAT: - 100 HAT: - GS ANT: 1000

6. MIN GS INCPT: 2500 GS ALT AT: - OM: 2499 MM: - IM: -

7. GS ANGLE: 3.00 TCH: 45.4

8. MSA FROM: JV LOM 360-180 3600, 180-360 3000

MAG VAR: 2W

EPOCH YEAR: 1990

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT

ALTERNATE: N A ☒ X

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
S-ILS 18	674	1/2	200	674	1/2	200	674	1/2	200	674	1/2	200			
S-LOC 18	1000	1/2	526	1000	1/2	526	1000	1	526	1000	1	526			
CIRCLING	1040	1	566	1040	1	566	1100	1 3/4	626	1120	2	646			

NOTES:

CHART NOTE: CIRCLING NA FOR CAT D SW OF RWY 14 AND W OF RWY 36.

CHART NOTE: AUTOPILOT COUPLED APPROACH NA BELOW 988.

CHART NOTE: ADF REQUIRED.

CHART PLANVIEW NOTE: RADAR REQUIRED.

(SEE FORM 8260-10)



CITY AND STATE
JEFFERSONVILLE, IN

ELEVATION: 474 TDZE: 474
AIRPORT NAME:
CLARK RGNL

FACILITY
IDENTIFIER:
I-JVY

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
ILS OR LOC RWY 18, AMDT 3
24 JULY 2014

SUP:
AMDT: 2A
DATED 04/05/2012

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.29

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NOTES, (CONT.):

CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT.

CHART NOTE: NIGHT LANDING: RWY 14, 32 NA

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE LOUISVILLE INTL-STANDIFORD FIELD

ALTIMETER SETTING AND INCREASE ALL DA 31 FEET AND ALL MDA 40 FEET, INCREASE S-LOC 18 CATS C/D AND

CIRCLING CAT D VISIBILITY 1/4 MILE.

CHART NOTE: FOR INOPERATIVE MALSR, WHEN USING LOUISVILLE INTL-STANDIFORD FIELD ALTIMETER SETTING,

INCREASE S-LOC 18 CATS C/D VISIBILITY TO 1 5/8 MILE.

QUALITY
7
CHECKED

CITY AND STATE

JEFFERSONVILLE, IN

ELEVATION: 474

TDZE: 474

AIRPORT NAME:

CLARK RGNL

FACILITY
IDENTIFIER:

I-JVY

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

ILS OR LOC RWY 18, AMDT 3

24 JULY 2014

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DATED:

04/05/2012

FLIGHT STANDARDS SERVICES - FAR PART 97.29

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[illegible][illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KJVK5FI18	ACATCH	010CATCHK5EA0E	IF				-	06000	18000		0	NS
SUSAP	KJVK5FI18	ACATCH	020CATCHK5EA0EE	AR	PI	IJVK5	0020007131700100PI	+	02600			0	NS
SUSAP	KJVK5FI18	I	010CFBXQK5PC0E	I	IF	IJVK5	00200131	PI	J	026000250018000		0	NS
SUSAP	KJVK5FI18	I	020CATCHK5EA0E	F	CF	IJVK5	0020007118200060PI	H	0250002499		-300JV	K5DB0	NS
SUSAP	KJVK5FI18	I	030RW18	K5PGOGY	M	CF	IJVK5	0020001018200061PI		00520	-300	0	NS
SUSAP	KJVK5FI18	I	040	0	M	CA	1820	+	01500			0	NS
SUSAP	KJVK5FI18	I	050CATCHK5EA0EY	L	DF			+	02500			0	NS
SUSAP	KJVK5FI18	I	060CATCHK5EA0EE	L	HM		1820T010	+	02500			0	NS

[illegible][illegible][illegible]

SUP:	
AMDT:	2A
DATED:	04/05/2012

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - FAR PART 97.29

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

SUSAP KJVYK5SJV K5DB

0

1803600362536018003025

M

QUALITY
2
CHECKED

CITY AND STATE
JEFFERSONVILLE, IN

ELEVATION: 474 TDZE: 474
AIRPORT NAME:
CLARK RGNL

FACILITY
IDENTIFIER:
KJVY

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
ILS OR LOC RWY 18, AMDT 3
24 JULY 2014

SUP:

AMDT: 2A

DATED: 04/05/2012

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - FAR PART 97.29

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ARINC SUMMARY - 424-18 - ILS

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	CATCH	CATCH	010		IF		FB				AB 06000	
	CATCH	CATCH	020	IAF	PI	R	FB		317.0 ()	010.0	AA 02600	
		CFBXQ	010	FACF	IF		FB				AA 02600 GI 02500	
		CATCH	020	FAF	CF		FB		182.0 ()	006.0	GI 02500 GS 02499	
		RW18	030	MAP	CF		FO		182.0 ()	006.1	AT 00520	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		182.0 ()		AA 01500	
	CATCH	050		DF	L	FO				AA 02500	
	CATCH	060		HM	L	FO		182.0 ()	T01.0	AA 02500	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	JV	N382826.29	W0854414.01	N3828.438	W08544.234
	CATCH	N382826.29	W0854416.54	N3828.438	W08544.276
	CFBXQ	N383426.66	W0854416.70	N3834.444	W08544.278
	RW18	N382219.28	W0854416.38	N3822.321	W08544.273
	IJYV (LOC)	N382119.95	W0854416.35	N3821.333	W08544.273

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW18	00474	45

QUALITY
2
CHECKED

CITY AND STATE
JEFFERSONVILLE, IN

ELEVATION: 474 TDZE: 474
AIRPORT NAME:
CLARK RGNL

FACILITY
IDENTIFIER:
I-JYV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
ILS OR LOC RWY 18, AMDT 3
24 JULY 2014

SUP:
AMDT: 2A
DATED: 04/05/2012

FLIGHT STANDARDS SERVICES - FAR PART 97.25

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

[illegible]

SUP:	
AMDT:	2A
DATED:	04/05/2012

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

LOC STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - FAR PART 97.25

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

SUSAP KJVYK5SJV K5DB

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QUALITY
2
CHECK

CITY AND STATE JEFFERSONVILLE, IN	ELEVATION: 474	TDZE: 474	FACILITY IDENTIFIER: I-JVY	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: ILS OR LOC RWY 18, AMDT 3 24 JULY 2014	SUP:
	AIRPORT NAME: CLARK RGNL	AMDT: 2A			
	DATED: 04/05/2012				

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

LOC STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - FAR PART 97.25

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - 424-18 - LOC

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	CATCH	CATCH	010		IF		FB				AB 06000	
	CATCH	CATCH	020	IAF	PI	R	FB		317.0 ()	010.0	AA 02600	
		CFBXQ	010	FACF	IF		FB				AA 02600	
		CATCH	020	FAF	CF		FB		182.0 ()	006.0	AA 02500	
		RW18	030	MAP	CF		FO		182.0 ()	006.1	AT 00520	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		182.0 ()		AA 01500	
	CATCH	050		DF	L	FO				AA 02500	
	CATCH	060		HM	L	FO		182.0 ()	T01.0	AA 02500	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	JV	N382826.29	W0854414.01	N3828.438	W08544.234
	CATCH	N382826.29	W0854416.54	N3828.438	W08544.276
	CFBXQ	N383426.66	W0854416.70	N3834.444	W08544.278
	RW18	N382219.28	W0854416.38	N3822.321	W08544.273
	IJVV (LOC)	N382119.95	W0854416.35	N3821.333	W08544.273

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW18	00474	45

QUALITY
2
CHECKED

CITY AND STATE
JEFFERSONVILLE, IN

ELEVATION: 474 TDZE: 474
AIRPORT NAME:
CLARK RGNL

FACILITY
IDENTIFIER:
I-JVV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
ILS OR LOC RWY 18, AMDT 3
24 JULY 2014

SUP:
AMDT: 2A
DATED: 04/05/2012

ILS - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.29				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.											
TERMINAL ROUTES				MISSED APPROACH											
FROM	TO	COURSE AND DISTANCE	ALTITUDE	ILS: DA LOC: 3.58 MILES AFTER COOLE LOM/I-SGF 4.89 DME/RADAR OR AT 1.31 DME FIX CLIMB TO 2900 DIRECT SGF VORTAC AND HOLD (TACAN AIRCRAFT CONTINUE ON SGF VORTAC R-024 TO PLADD/SGF 18.36 DME AND HOLD NE, RT, 204.05 INBOUND); OR AS DIRECTED BY ATC. ALTERNATE MA: CLIMB TO 2000 THEN CLIMBING RIGHT TURN TO 4600 DIRECT DGD VORTAC AND HOLD. ADDITIONAL FLIGHT DATA: HOLD N, RT, 196.00 INBOUND. CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD W DGD VORTAC, RT, 106.00 INBOUND. CHART FAS OBST: 1382 TREE 371308N/0932341W CHART SGF R-128 AT FORDS. CHART SGF R-272 AT JACCK. CHART IN PLANVIEW: DGD VORTAC. CHART CIRCLING ICON.											
DGD VORTAC	COOLE LOM/I-SGF 4.89 DME/RADAR	289.08 / 27.58	3800												
SGF VORTAC	COOLE LOM/I-SGF 4.89 DME/RADAR	196.73 / 11.26	2900												
FORDS/SGF VORTAC 18.00 DME CW (IAF)	ZUNDU/11.64 DME (NOPT) ←	18.00 DME ARC (SGF LR-190)	3500												
JACCK/SGF VORTAC 18.00 DME CCW (IAF)	ZUNDU/11.64 DME (NOPT) ←	18.00 DME ARC (SGF LR-204)	3500												
ZUNDU/11.64 DME (IF)	COOLE LOM/I-SGF 4.89 DME/RADAR	018.79 / 6.75 (I-SGF)	2500												
THIS IS A CORRECTED COPY OF A PROCEDURE ORIGINALLY PUBLISHED IN TL 14-13															
1. PT <u>L</u> SIDE OF COURSE <u>198.79</u> OUTBOUND <u>2900</u> FT WITHIN <u>15</u> MILES OF <u>COOLE LOM</u> (IAF)				MAG VAR: 3E EPOCH YEAR: 2000											
2.															
3. FAC: <u>018.79</u> FAF: COOLE LOM/I-SGF 4.89 DME/RADAR DIST FAF TO MAP: <u>3.58</u> THLD: <u>3.58</u>															
4. MIN. ALT: COOLE LOM 2500, HEVAL/I-SGF 2.77 DME/RADAR 1760*															
5. DIST TO THLD FROM OM: <u>3.58</u> MM: <u>-</u> IM: <u>-</u> 150 HAT: <u>-</u> 100 HAT: <u>-</u> GS ANT: <u>1050</u>															
6. MIN GS INCPT: <u>2500</u> GS ALT AT: <u>-</u> OM: <u>2470</u> MM: <u>-</u> IM: <u>-</u>															
7. GS ANGLE: <u>3.00</u> TCH: <u>53.7</u>															
8. MSA FROM: SG NDB 045-135 4600, 135-045 3100															
MINIMUMS															
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT							ALTERNATE: N A		ILS: STANDARD #		LOC: STANDARD @				
CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
S-ILS 02**	1465	2400	200	1465	2400	200	1465	2400	200	1465	2400	200	1465	2400	200
S-LOC 02	1700	2400	435	1700	2400	435	1700	4000	435	1700	4000	435	1700	4000	435
CIRCLING	1760	1	492	1820	1	552	1820	1 1/2	552	1920	2	652	2080	3	812
NOTES: CHART NOTE: **RVR 1800 AUTHORIZED WITH USE OF FD OR AP OR HUD TO DA. CHART NOTE: FOR INOPERATIVE MALSR, INCREASE S-ILS 2 CAT E VISIBILITY TO RVR 4000, AND S-LOC 2 CAT E VISIBILITY TO 1 1/4. CHART NOTE: DME OR RADAR REQUIRED. (SEE FORM 8260-10)															
CITY AND STATE SPRINGFIELD, MO		ELEVATION: 1268 TDZE: 1265		FACILITY IDENTIFIER: I-SGF		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 2, AMDT 18B, 07/24/2014						SUP:			
		AIRPORT NAME:										AMDT: 18A			
		SPRINGFIELD-BRANSON NATIONAL										DATED 04/02/2013			

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.29

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

NOTES, (CONT.):

CHART PROFILE NOTE: USE I-SGF DME WHEN ON THE LOCALIZER COURSE.

*LOC ONLY



CITY AND STATE

SPRINGFIELD, MO

ELEVATION: 1268

TDZE: 1265

AIRPORT NAME:

SPRINGFIELD-BRANSON NATIONAL

FACILITY
IDENTIFIER:
I-SGF

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

ILS OR LOC RWY 2, AMDT 18B, 07/24/2014

SUP:

AMDT: 18A

DATED: 04/02/2013

FLIGHT STANDARDS SERVICES - FAR PART 97.29

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[illegible]

SUP:	
AMDT:	18A
DATED:	04/02/2013

FLIGHT STANDARDS SERVICES - FAR PART 97.29

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SUSAP KSGFK3GRW02 0070030188 N37140834W093232123+0000 +0355901264000054150IISGF1

SUSAP KSGFK3IISGF1 010990RW02 N37152227W0932244250188N37141908W0932319851050 10500498300E00305401259

SUSAP KSGFK3SSG K3PN 0 2253150462531522503125 M

SUSAPNKGFK3 SG K3004040HOLW N37104876W093250189 E0030 NARCOOLE

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - FAR PART 97.29

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ARINC SUMMARY - 424-18 - ILS

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	DGD	DGD	010		IF		FB					
	DGD	COOLE	020		TF		FB				AA 03800	
	DGD	COOLE	030	IAF	PI	R	FB		153.8 ()	015.0	AA 02900	
	FORDS	FORDS	010	IAF	IF		FB					
	FORDS	ZUNDU	020		AF	R	FB		128.1 ()		AA 03500	
	JACCK	JACCK	010	IAF	IF		FB					
	JACCK	ZUNDU	020		AF	L	FB		272.0 ()		AA 03500	
	SGF	SGF	010		IF		FB					
	SGF	COOLE	020		TF		FB				AA 02900	
	SGF	COOLE	030	IAF	PI	R	FB		153.8 ()	015.0	AA 02900	
		ZUNDU	010	FACF	IF		FB				AA 03500 GI 02500	
		COOLE	020	FAF	CF		FB		019.0 ()	006.8	GI 02500 GS 02470	
		RW02	030	MAP	CF		FO		019.0 ()	003.6	AT 01318	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	SGF	040		DF		FO				AA 02900	
	SGF	050		HM	R	FO		196.0 ()	T01.0	AA 02900	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	DGD	N370124.49	W0925236.92	N3701.408	W09252.615
	SGF	N372121.41	W0932002.55	N3721.357	W09320.043
	ISGF (DME)	N371520.17	W0932241.70	N3715.336	W09322.695
	FORDS	N370914.71	W0930320.78	N3709.245	W09303.346
	JACCK	N372312.34	W0934230.26	N3723.206	W09342.504
	COOLE	N371048.61	W0932501.03	N3710.810	W09325.017
	ZUNDU	N370431.91	W0932808.67	N3704.532	W09328.145
	RW02	N371408.34	W0932321.23	N3714.139	W09323.354
	ISGF (LOC)	N371522.27	W0932244.25	N3715.371	W09322.738
	SG	N371048.76	W0932501.89	N3710.813	W09325.032

RUNWAY DATA	THRESHOLD	ELEVATION	TCH
RWY			
RW02	01264		54

CITY AND STATE
SPRINGFIELD, MOELEVATION: 1268 TDZE: 1265
AIRPORT NAME:
SPRINGFIELD-BRANSON NATIONALFACILITY
IDENTIFIER:

I-SGFPROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
ILS OR LOC RWY 2, AMDT 18B 07/24/2014SUP:
AMDT: 18A
DATED: 04/02/2013

FLIGHT STANDARDS SERVICES - FAR PART 97.25

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ARINC PACKET - 424-18 - LOC

[illegible][illegible][illegible]

TRM	WP	1	2	3	4	5	6	7	8	9	0	1	2	3
		SUSAP	KSGFK3CCOOLE	K30	R	N37104861W093250103			E0012	NAR	COOLE	LOM		
		SUSAP	KSGFK3CHEVAL	K30	R	N37124690W093240193			E0012	NAR	HEVAL			
		SUSAP	KSGFK3CZUNDU	K30	R	N37043191W093280867			E0013	NAR	ZUNDU			

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KSGFK3FL02	ADGD	010DGD	K3D 0V	IF						18000		0	NS
SUSAP KSGFK3FL02	ADGD	020COOLEK3PC0E	TF					+ 03800				0	NS
SUSAP KSGFK3FL02	ADGD	030COOLEK3PC0EE	AR	PI	ISGFK3	1988004915380150PI		+ 02900				0	NS
SUSAP KSGFK3FL02	AFORDS	010FORDSK3EA0E	A	IF	SGF K3	12810180		D		18000		0	NS
SUSAP KSGFK3FL02	AFORDS	020ZUNDUK3PC0EE	BR	AF	SGF K3	197101801281		D	+ 03500			0	NS
SUSAP KSGFK3FL02	AJACCK	010JACCKK3EA0E	A	IF	SGF K3	27200180		D		18000		0	NS
SUSAP KSGFK3FL02	AJACCK	020ZUNDUK3PC0EE	BL	AF	SGF K3	197101802720		D	+ 03500			0	NS
SUSAP KSGFK3FL02	ASGF	010SGF	K3D 0V	IF						18000		0	NS
SUSAP KSGFK3FL02	ASGF	020COOLEK3PC0E	TF					+ 02900				0	NS
SUSAP KSGFK3FL02	ASGF	030COOLEK3PC0EE	AR	PI	ISGFK3	1988004915380150PI		+ 02900				0	NS
SUSAP KSGFK3FL02	L	010ZUNDUK3PC0E	I	IF	ISGFK3	19880117		PI	+ 03500	18000		0	NS
SUSAP KSGFK3FL02	L	020COOLEK3PC0E	F	CF	ISGFK3	1988004901900068PI		+ 02500			SG	K3PN0	NS
SUSAP KSGFK3FL02	L	021HEVALK3PC0E	S	CF	ISGFK3	1988002801900021PI		+ 01760		-312		0	NS
SUSAP KSGFK3FL02	L	030RW02	K3PG0GY	M	CF	ISGFK3	1988001301900015PI		01318	-312		0	NS
SUSAP KSGFK3FL02	L	040SGF	K3D 0VYM	DF				+ 02900				0	NS
SUSAP KSGFK3FL02	L	050SGF	K3D 0VE	R	HM	1960T010		+ 02900				0	NS

SUP:	
AMDT:	18A
DATED:	04/02/2013

FLIGHT STANDARDS SERVICES - FAR PART 97.25

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[illegible]

CITY AND STATE
SPRINGFIELD, MO

ELEVATION: 1268	TDZE: 1265
AIRPORT NAME: SPRINGFIELD-BRANSON NATIONAL	

FACILITY
IDENTIFIER:
I-SGF

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
ILS OR LOC RWY 2, AMDT 18B, 7/24/2014

SUP:

AMDT: 18A

DATED: 04/02/2013

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

LOC STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - FAR PART 97.25

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ARINC SUMMARY - 424-18 - LOC

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	DGD	DGD	010		IF		FB					
	DGD	COOLE	020		TF		FB				AA 03800	
	DGD	COOLE	030	IAF	PI	R	FB		153.8 ()	015.0	AA 02900	
	FORDS	FORDS	010	IAF	IF		FB					
	FORDS	ZUNDU	020		AF	R	FB		128.1 ()		AA 03500	
	JACCK	JACCK	010	IAF	IF		FB					
	JACCK	ZUNDU	020		AF	L	FB		272.0 ()		AA 03500	
	SGF	SGF	010		IF		FB					
	SGF	COOLE	020		TF		FB				AA 02900	
	SGF	COOLE	030	IAF	PI	R	FB		153.8 ()	015.0	AA 02900	
		ZUNDU	010	FACF	IF		FB				AA 03500	
		COOLE	020	FAF	CF		FB		019.0 ()	006.8	AA 02500	
		HEVAL	021	SDF	CF		FB		019.0 ()	002.1	AA 01760	
		RW02	030	MAP	CF		FO		019.0 ()	001.5	AT 01318	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	SGF	040		DF		FO				AA 02900	
	SGF	050		HM	R	FO		196.0 ()	T01.0	AA 02900	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	DGD	N370124.49	W0925236.92	N3701.408	W09252.615
	SGF	N372121.41	W0932002.55	N3721.357	W09320.043
	ISGF (DME)	N371520.17	W0932241.70	N3715.336	W09322.695
	FORDS	N370914.71	W0930320.78	N3709.245	W09303.346
	JACCK	N372312.34	W0934230.26	N3723.206	W09342.504
	COOLE	N371048.61	W0932501.03	N3710.810	W09325.017
	HEVAL	N371246.90	W0932401.93	N3712.782	W09324.032
	ZUNDU	N370431.91	W0932808.67	N3704.532	W09328.145
	RW02	N371408.34	W0932321.23	N3714.139	W09323.354
	ISGF (LOC)	N371522.27	W0932244.25	N3715.371	W09322.738
	SG	N371048.76	W0932501.89	N3710.813	W09325.032

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW02	01264	54

CITY AND STATE
SPRINGFIELD, MO

ELEVATION: 1268 TDZE: 1265
AIRPORT NAME:
SPRINGFIELD-BRANSON NATIONAL

FACILITY
IDENTIFIER:
I-SGF

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
ILS OR LOC RWY 2, AMDT 18B, 7/24/2014

SUP:

AMDT: 18A

DATED: 04/02/2013

ILS - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.29		Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.													
TERMINAL ROUTES				MISSED APPROACH											
FROM	TO	COURSE AND DISTANCE	ALTITUDE	ILS: DA LOC: I-SSX 1.59 DME FIX CLIMB TO 1300 THEN CLIMBING LEFT TURN TO 3000 ON HEADING 040 AND BNA VORTAC R-072 TO LENON/BNA 25.13 DME AND HOLD, OR AS DIRECTED BY ATC. ALTERNATE MA: CLIMB TO 1300 THEN CLIMBING LEFT TURN TO 3000 DIRECT SYI VOR/DME AND HOLD. ADDITIONAL FLIGHT DATA: HOLD E, RT, 251.53 INBOUND. CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD S SYI VOR/DME, LT, 016.00 INBOUND. CHART FAS OBST: 715 ANT 360950N/0863832W CHART VDP AT 2.83 DME*; DISTANCE VDP TO THLD 1.24 MILES. *LOC ONLY. CHART IN PLANVIEW: SYI VOR/DME. CHART CIRCLING ICON.											
REABA/I-SSX 15.40 DME/RADAR (IAF)	WAYLN/I-SSX 12.26 DME/RADAR	201.00 / 3.14 (I-SSX)	4000												
WAYLN/I-SSX 12.26 DME/RADAR (IF)	CRAMR/I-SSX 9.12 DME/RADAR	201.00 / 3.14 (I-SSX)	3000												
CRAMR/I-SSX 9.12 DME/RADAR	JUDD/I-SSX 6.03 DME/RADAR	201.00 / 3.09 (I-SSX)	2000												
THIS IS A CORRECTED COPY OF A PROCEDURE ORIGINALLY PUBLISHED IN TL 14-15															
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF)				MAG VAR: 3W EPOCH YEAR: 2010											
2. PROFILE STARTS AT REABA															
3. FAF: <u>201.00</u> FAF: JUDD/I-SSX 6.03 DME/RADAR DIST FAF TO MAP: <u> </u> THLD: <u>4.44</u>															
4. MIN. ALT: REABA 5000, WAYLN 4000, CRAMR 3000, JUDD 2000, XIYRI/I-SSX 3.59 DME 1220*															
5. DIST TO THLD FROM OM: <u> </u> MM: <u> </u> IM: <u> </u> 150 HAT: <u> </u> 100 HAT: <u> </u> GS ANT: <u>1049</u>															
6. MIN GS INCP: <u>2000</u> GS ALT AT: JUDD 2000 OM: <u> </u> MM: <u> </u> IM: <u> </u>															
7. GS ANGLE: <u>3.00</u> TCH: <u>55.0</u>															
8. MSA FROM: BNA VORTAC 3100															
MINIMUMS															
TAKEOFF: <u>SEE FAA FORM 8260-15A FOR THIS AIRPORT</u>				ALTERNATE: <u>N A</u>		ILS: <u>STANDARD #</u>		LOC: <u>STANDARD @</u>							
CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
S-ILS 20L**	740	2400	200	740	2400	200	740	2400	200	740	2400	200			
S-LOC 20L	980	2400	440	980	2400	440	980	4000	440	980	4000	440			
CIRCLING	1100	1	501	1120	1	521	1200	1 3/4	601	1380	2 1/2	781			
NOTES: CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED WITH RWY 20R. CHART NOTE: DME REQUIRED. CHART PLANVIEW NOTE: RADAR REQUIRED. CHART NOTE: **RVR 1800 AUTHORIZED WITH THE USE OF FD OR AP OR HUD TO DA.								# CAT C 700-2, CAT D 800-2 1/2 @ CAT D 800-2 1/2							
CITY AND STATE NASHVILLE, TN		ELEVATION: 599 THRE: 540 AIRPORT NAME: NASHVILLE INTL		FACILITY IDENTIFIER: I-SSX		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC/DME RWY 20L, AMDT 6 24 JULY 2014				SUP: ILS OR LOC RWY 20L AMDT: 5A DATED 04/05/2012					

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.29

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CITY AND STATE NASHVILLE, TN	ELEVATION: 599 THRE: 540 AIRPORT NAME: NASHVILLE INTL	FACILITY IDENTIFIER: I-SSX	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC/DME RWY 20L, AMDT 6 24 JULY 2014	SUP: ILS OR LOC RWY 20L
				AMDT: 5A
				DATED: 04/05/2012

FLIGHT STANDARDS SERVICES - FAR PART 97.29

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - FAR PART 97.29

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ILS 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012

SUSAP KBNK7IISX1 010935RW20LN36063002W0864009812010N36075003W0863933121674 10490415300W00305500534

1 2 3 4 5 6 7 8 9 0 1 2 3
MSA 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012

SUSAP KBNK7SBNA K7D 0 18018003125 M

QUALITY
12
CHECKED

CITY AND STATE
NASHVILLE, TN

ELEVATION: 599 THRE: 540
AIRPORT NAME:
NASHVILLE INTL

FACILITY
IDENTIFIER:
I-SSX

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
ILS OR LOC/DME RWY 20L, AMDT 6
24 JULY 2014

SUP: ILS OR LOC RWY
20L
AMDT: 5A
DATED: 04/05/2012

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - FAR PART 97.29

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - 424-18 - ILS

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	REABA	REABA	010	IAF	IF		FB				AA 05000	
	REABA	WAYLN	020		TF		FB				AA 04000	
	REABA	CRAMR	030		CF		FB		201.0 ()	003.1	AA 03000	
		CRAMR	010	FACF	IF		FB				AA 03000	GI 02000
		JUDD	020	FAF	CF		FB		201.0 ()	003.1	GI 02000	GS 02000
		RW20L	030	MAP	CF		FO		201.0 ()	004.4	AT 00587	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		201.0 ()		AA 01300	
		050		VI	L	FB		040.0 ()			
	LENON	060		CF		FO		071.5 ()	019.0	AA 03000	
	LENON	070		HM	R	FO		251.5 ()	011.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	BNA	N360813.06	W0864105.18	N3608.218	W08641.086
	ISSX (DME)	N360630.96	W0864012.89	N3606.516	W08640.215
	LENON	N361657.51	W0861158.33	N3616.959	W08611.972
	CRAMR	N361511.02	W0863640.88	N3615.184	W08636.681
	JUDD	N361214.65	W0863751.71	N3612.244	W08637.862
	REABA	N362109.84	W0863416.50	N3621.164	W08634.275
	WAYLN	N361810.44	W0863528.74	N3618.174	W08635.479
	RW20L	N360801.01	W0863933.40	N3608.017	W08639.557
	ISSX (LOC)	N360630.02	W0864009.81	N3606.500	W08640.164

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW20L	00540	55

QUALITY
12
CHECKED

CITY AND STATE NASHVILLE, TN	ELEVATION: 599	THRE: 540	FACILITY IDENTIFIER: I-SSX	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: ILS OR LOC/DME RWY 20L, AMDT 6 24 JULY 2014	SUP: ILS OR LOC RWY 20L
	AIRPORT NAME: NASHVILLE INTL				AMDT: 5A
					DATED: 04/05/2012

FLIGHT STANDARDS SERVICES - FAR PART 97.25

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC PACKET - 424-18 - LOC

[illegible][illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KBN	AK7	FL2	0L	AREABA	010REABA	K7PC0E	A	IF				
SUSAP	KBN	AK7	FL2	0L	AREABA	020WAYLN	K7PC0E	B	TF				
SUSAP	KBN	AK7	FL2	0L	AREABA	030CRAMR	K7PC0EE		CF	ISSXK7			
SUSAP	KBN	AK7	FL2	0L	L	010CRAMR	K7PC0E	I	IF	ISSXK7			
SUSAP	KBN	AK7	FL2	0L	L	020JUUD	K7PC0E	F	CF	ISSXK7			
SUSAP	KBN	AK7	FL2	0L	L	021XIYRI	K7PC0E	S	CF	ISSXK7			
SUSAP	KBN	AK7	FL2	0L	L	030RW20	LK7PG0GY	M	CF	ISSXK7			
SUSAP	KBN	AK7	FL2	0L	L	040	0	M	CA				
SUSAP	KBN	AK7	FL2	0L	L	050	0	L	VIY				
SUSAP	KBN	AK7	FL2	0L	L	060LENON	K7EA0EY		CF	BNA K7			
SUSAP	KBN	AK7	FL2	0L	L	070LENON	K7EA0EE	R	HM				

[illegible]

CITY AND STATE
NASHVILLE, TN

ELEVATION: 599 THRE: 540
AIRPORT NAME:
NASHVILLE INTL

FACILITY
IDENTIFIER:

I-SSX

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
ILS OR LOC/DME RWY 20L, AMDT 6

24 JULY 2014

SUP:	ILS OR LOC RWY 20L
AMDT:	5A
DATED:	04/05/2012

FLIGHT STANDARDS SERVICES - FAR PART 97.25

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

[illegible]

QUALITY
12
CHECKER

CITY AND STATE NASHVILLE, TN	ELEVATION: 599 THRE: 540	FACILITY IDENTIFIER: I-SSX	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: ILS OR LOC/DME RWY 20L, AMDT 6 24 JULY 2014	SUP: ILS OR LOC RWY 20L
	AIRPORT NAME: NASHVILLE INTL			AMDT: 5A
				DATED: 04/05/2012

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

LOC STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - FAR PART 97.25

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - 424-18 - LOC

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	REABA	REABA	010	IAF	IF		FB				AA 05000	
	REABA	WAYLN	020		TF		FB				AA 04000	
	REABA	CRAMR	030		CF		FB		201.0()	003.1	AA 03000	
		CRAMR	010	FACF	IF		FB				AA 03000	
		JUDD	020	FAF	CF		FB		201.0()	003.1	AA 02000	
		XIYRI	021	SDF	CF		FB		201.0()	002.4	AA 01220	
		RW20L	030	MAP	CF		FO		201.0()	002.0	AT 00587	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		201.0()		AA 01300	
		050		VI	L	FB		040.0()			
	LENON	060		CF		FO		071.5()	019.0	AA 03000	
	LENON	070		HM	R	FO		251.5()	011.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	BNA	N360813.06	W0864105.18	N3608.218	W08641.086
	ISSX (DME)	N360630.96	W0864012.89	N3606.516	W08640.215
	LENON	N361657.51	W0861158.33	N3616.959	W08611.972
	CRAMR	N361511.02	W0863640.88	N3615.184	W08636.681
	JUDD	N361214.65	W0863751.71	N3612.244	W08637.862
	REABA	N362109.84	W0863416.50	N3621.164	W08634.275
	WAYLN	N361810.44	W0863528.74	N3618.174	W08635.479
	XIYRI	N360955.30	W0863847.60	N3609.922	W08638.793
	RW20L	N360801.01	W0863933.40	N3608.017	W08639.557
	ISSX (LOC)	N360630.02	W0864009.81	N3606.500	W08640.164

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW20L	00540	55

QUALITY
12
CHECKED

CITY AND STATE NASHVILLE, TN	ELEVATION: 599	THRE: 540	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP: ILS OR LOC RWY 20L
	AIRPORT NAME:			ILS OR LOC/DME RWY 20L, AMDT 6	AMDT: 5A
	NASHVILLE INTL		I-SSX	24 JULY 2014	DATED: 04/05/2012

[4910-13]

DEPARTMENT OF TRANSPORTATION

Federal Aviation Administration

14 CFR Part 97

[Docket No. [30965](#); Amdt. No. [3597](#)

Standard Instrument Approach Procedures, and Takeoff Minimums
and Obstacle Departure Procedures; Miscellaneous Amendments

AGENCY: Federal Aviation Administration (FAA), DOT.

ACTION: Final Rule.

SUMMARY: This rule establishes, amends, suspends, or revokes Standard Instrument Approach Procedures (SIAPs) and associated Takeoff Minimums and Obstacle Departure Procedures for operations at certain airports. These regulatory actions are needed because of the adoption of new or revised criteria, or because of changes occurring in the National Airspace System, such as the commissioning of new navigational facilities, adding new obstacles, or changing air traffic requirements. These changes are designed to provide safe and efficient use of the navigable airspace and to promote safe flight operations under instrument flight rules at the affected airports.

DATES: This rule is effective [INSERT DATE OF PUBLICATION IN THE FEDERAL REGISTER]. The compliance date for each SIAP, associated Takeoff Minimums, and ODP is specified in the amendatory provisions.

The incorporation by reference of certain publications listed in the regulations is approved by the Director of the

Federal Register as of [INSERT ² DATE OF PUBLICATION IN THE
FEDERAL REGISTER].

ADDRESSES: Availability of matters incorporated by reference in
the amendment is as follows:

For Examination-

1. FAA Rules Docket, FAA Headquarters Building,
800 Independence Avenue, SW., Washington, DC 20591;
2. The FAA Regional Office of the region in which the
affected airport is located;
3. The National Flight Procedures Office, 6500 South
MacArthur Blvd., Oklahoma City, OK 73169 or,
4. The National Archives and Records Administration
(NARA). For information on the availability of this material at
NARA, call 202-741-6030, or go to:
http://www.archives.gov/federal_register/code_of_federal_regulations/ibr_locations.html.

Availability- All SIAPs and Takeoff Minimums and ODPs are
available online free of charge. Visit <http://www.nfdc.faa.gov>
to register. Additionally, individual SIAP and Takeoff Minimums
and ODP copies may be obtained from:

1. FAA Public Inquiry Center (APA-200), FAA Headquarters
Building, 800 Independence Avenue, SW., Washington, DC 20591; or
2. The FAA Regional Office of the region in which the
affected airport is located.

FOR FURTHER INFORMATION CONTACT: Richard A. Dunham III, Flight
Procedure Standards Branch (AFS-420), Flight Technologies and
Programs Divisions, Flight Standards Service, Federal Aviation

Administration, Mike Monroney Aeronautical Center, 6500 South MacArthur Blvd. Oklahoma City, OK. 73169 (Mail Address: P.O. Box 25082, Oklahoma City, OK 73125) Telephone: (405) 954-4164.

SUPPLEMENTARY INFORMATION: This rule amends Title 14 of the Code of Federal Regulations, Part 97 (14 CFR part 97), by establishing, amending, suspending, or revoking SIAPS, Takeoff Minimums and/or ODPS. The complete regulators description of each SIAP and its associated Takeoff Minimums or ODP for an identified airport is listed on FAA form documents which are incorporated by reference in this amendment under 5 U.S.C. 552(a), 1 CFR part 51, and 14 CFR part 97.20. The applicable FAA Forms are FAA Forms 8260-3, 8260-4, 8260-5, 8260-15A, and 8260-15B when required by an entry on 8260-15A.

The large number of SIAPs, Takeoff Minimums and ODPs, in addition to their complex nature and the need for a special format make publication in the Federal Register expensive and impractical. Furthermore, airmen do not use the regulatory text of the SIAPs, Takeoff Minimums or ODPs, but instead refer to their depiction on charts printed by publishers of aeronautical materials. The advantages of incorporation by reference are realized and publication of the complete description of each SIAP, Takeoff Minimums and ODP listed on FAA forms is unnecessary. This amendment provides the affected CFR sections and specifies the types of SIAPs and the effective dates of the, associated Takeoff Minimums and ODPs. This amendment also identifies the airport and its location, the procedure, and the amendment number.

THE RULE

This amendment to 14 CFR part 97 is effective upon publication of each separate SIAP, Takeoff Minimums and ODP as contained in the transmittal. Some SIAP and Takeoff Minimums and textual ODP amendments may have been issued previously by the FAA in a Flight Data Center (FDC) Notice to Airmen (NOTAM) as an emergency action of immediate flight safety relating directly to published aeronautical charts. The circumstances which created the need for some SIAP and Takeoff Minimums and ODP amendments may require making them effective in less than 30 days. For the remaining SIAPS and Takeoff Minimums and ODPS, an effective date at least 30 days after publication is provided.

Further, the SIAPs and Takeoff Minimums and ODPS contained in this amendment are based on the criteria contained in the U.S. Standard for Terminal Instrument Procedures (TERPS). In developing these SIAPS and Takeoff Minimums and ODPS, the TERPS criteria were applied to the conditions existing or anticipated at the affected airports. Because of the close and immediate relationship between these SIAPs, Takeoff Minimums and ODPS, and safety in air commerce, I find that notice and public procedures before adopting these SIAPS, Takeoff Minimums and ODPS are impracticable and contrary to the public interest and, where applicable, that good cause exists for making some SIAPs effective in less than 30 days.

CONCLUSION

The FAA has determined that this regulation only involves an established body of technical regulations for which frequent and routine amendments are necessary to keep them operationally current. It, therefore--(1) is not a "significant regulatory action" under Executive Order 12866;(2) is not a "significant rule " under DOT Regulatory Policies and Procedures (44 FR 11034; February 26,1979) ; and (3)does not warrant preparation of a regulatory evaluation as the anticipated impact is so minimal. For the same reason, the FAA certifies that this amendment will not have a significant economic impact on a substantial number of small entities under the criteria of the Regulatory Flexibility Act.

List of Subjects in 14 CFR part 97:

Air Traffic Control, Airports, Incorporation by reference, and Navigation (Air).

Issued in Washington, DC on [JUNE 20, 2014](#).

A handwritten signature in black ink, appearing to read "John Duncan", with a long horizontal flourish extending to the right.

John Duncan
Director, Flight Standards Service

ADOPTION OF THE AMENDMENT

Accordingly, pursuant to the authority delegated to me, Title 14, Code of Federal Regulations, Part 97 (14 CFR part 97) is amended by establishing, amending, suspending, or revoking Standard Instrument Approach Procedures and/or Takeoff Minimums and/or Obstacle Departure Procedures effective at 0902 UTC on the dates specified, as follows:

Part 97—Standard Instrument Approach Procedures

1. The authority citation for part 97 continues to read as follows:

AUTHORITY: 49 U.S.C. 106(g), 40103, 40106, 40113, 40114, 40120, 44502, 44514, 44701, 44719, 44721-44722.

2. Part 97 is amended to read as follows:

Effective 24 JULY 2014

Wasilla, AK, Wasilla, RNAV (GPS) RWY 4, Amdt 1
 Wasilla, AK, Wasilla, RNAV (GPS) RWY 22, Orig
 Wasilla, AK, Wasilla, Takeoff Minimums and Obstacle DP, Amdt 2
 Geneva, AL, Geneva Muni, RNAV (GPS) RWY 11, Orig
 Geneva, AL, Geneva Muni, RNAV (GPS) RWY 29, Orig
 Geneva, AL, Geneva Muni, Takeoff Minimums and Obstacle DP, Orig
 Prescott, AZ, Ernest A. Love Field, RNAV (GPS) RWY 21L, Amdt 2A
 Boca Raton, FL, Boca Rotan, RNAV (GPS) Y RWY 23, Amdt 1
 Boca Raton, FL, Boca Rotan, RNAV (RNP) Z RWY 23, Orig
 Tampa, FL, Tampa Intl, LOC RWY 1R, Amdt 4
 Tampa, FL, Tampa Intl, RNAV (GPS) RWY 1R, Amdt 3
 Millen, GA, Millen, NDB RWY 17, Orig-B
 Chicago, IL, Chicago Midway Intl, ILS OR LOC/DME RWY 4R, Amdt 1C
 Chicago, IL, Chicago Midway Intl, ILS OR LOC/DME RWY 13C, Orig-D
 Chicago, IL, Chicago Midway Intl, ILS OR LOC/DME RWY 31C, Amdt 3
 Chicago, IL, Chicago Midway Intl, RNAV (GPS) RWY 4L, Orig-C
 Chicago, IL, Chicago Midway Intl, RNAV (GPS) RWY 13L, Orig-C
 Chicago, IL, Chicago Midway Intl, RNAV (GPS) RWY 22R, Orig-D
 Chicago, IL, Chicago Midway Intl, RNAV (GPS) RWY 31R, Orig-D
 Chicago, IL, Chicago Midway Intl, RNAV (GPS) Z RWY 4R, Amdt 3C
 Chicago, IL, Chicago Midway Intl, RNAV (GPS) Z RWY 13C, Orig-D
 Chicago, IL, Chicago Midway Intl, RNAV (GPS) Z RWY 22L, Orig-A
 Chicago, IL, Chicago Midway Intl, RNAV (GPS) Z RWY 31C, Amdt 4
 Chicago, IL, Chicago Midway Intl, RNAV (RNP) Y RWY 4R, Orig-A
 Chicago, IL, Chicago Midway Intl, RNAV (RNP) Y RWY 13C, Amdt 2A
 Chicago, IL, Chicago Midway Intl, RNAV (RNP) Y RWY 22L, Amdt 1
 Chicago, IL, Chicago Midway Intl, RNAV (RNP) Y RWY 31C, Orig-A
 Gaithersburg, MD, Montgomery County Airpark, NDB RWY 14, Amdt 2A, CANCELED
 Greenville, ME, Greenville, Takeoff Minimums and Obstacle DP, Amdt 3
 Kalispell, MT, Glacier Park Intl, VOR/DME RWY 30, Amdt 10A
 Statesville, NC, Statesville Rgnl, ILS OR LOC/DME Z RWY 28, Amdt 1
 Statesville, NC, Statesville Rgnl, RNAV (GPS) RWY 10, Amdt 1
 Statesville, NC, Statesville Rgnl, RNAV (GPS) RWY 28, Amdt 3
 Statesville, NC, Statesville Rgnl, VOR/DME RWY 10, Amdt 9
 Teterboro, NJ, Teterboro, RNAV (GPS) Y RWY 19, Orig
 Teterboro, NJ, Teterboro, RNAV (RNP) Z RWY 19, Orig-D
 New York, NY, John F. Kennedy Intl, RNAV (GPS) X RWY 31L, Amdt 1B, CANCELED
 New York, NY, John F. Kennedy Intl, RNAV (GPS) Y RWY 31L, Amdt 2
 New York, NY, John F. Kennedy Intl, RNAV (GPS) Y RWY 31R, Amdt 2
 New York, NY, John F. Kennedy Intl, RNAV (RNP) Z RWY 31L, Amdt 1
 New York, NY, John F. Kennedy Intl, RNAV (RNP) Z RWY 31R, Amdt 1
 New York, NY, La Guardia, RNAV (RNP) Z RWY 4, Amdt 1

Oklahoma City, OK, Will Rogers World, ILS OR LOC RWY 17L, Amdt 3
 Oklahoma City, OK, Will Rogers World, ILS OR LOC RWY 17R, Amdt 12
 Oklahoma City, OK, Will Rogers World, ILS OR LOC/DME RWY 35L, Amdt 2
 Oklahoma City, OK, Will Rogers World, ILS OR LOC/DME RWY 35R, ILS RWY 35R (SA CAT I),
 ILS RWY 35R (CAT II), Amdt 10
 Oklahoma City, OK, Will Rogers World, RNAV (GPS) RWY 13, Amdt 3
 Oklahoma City, OK, Will Rogers World, RNAV (GPS) Y RWY 17L, Amdt 3
 Oklahoma City, OK, Will Rogers World, RNAV (GPS) Y RWY 17R, Amdt 4
 Oklahoma City, OK, Will Rogers World, RNAV (GPS) Y RWY 35L, Amdt 4
 Oklahoma City, OK, Will Rogers World, RNAV (GPS) Y RWY 35R, Amdt 3
 Oklahoma City, OK, Will Rogers World, RNAV (RNP) Z RWY 17L, Amdt 3
 Oklahoma City, OK, Will Rogers World, RNAV (RNP) Z RWY 17R, Amdt 1
 Oklahoma City, OK, Will Rogers World, RNAV (RNP) Z RWY 35L, Amdt 1
 Oklahoma City, OK, Will Rogers World, RNAV (RNP) Z RWY 35R, Amdt 2
 Oklahoma City, OK, Will Rogers World, Takeoff Minimums and Obstacle DP, Amdt 2
 Harrisburg, PA, Capital City, ILS OR LOC RWY 8, Amdt 12
 Harrisburg, PA, Capital City, RNAV (GPS) RWY 8, Amdt 1
 Allendale, SC, Allendale County, VOR-A, Amdt 6
 Nashville, TN, Nashville Intl, RNAV (GPS) Y RWY 2C, Amdt 1B
 Blackstone, VA, Allen C Perkinson Blackstone AAF, NDB-A, Amdt 12
 Richmond, VA, Richmond Intl, RNAV (GPS) Z RWY 2, Amdt 1A
 Richmond, VA, Richmond Intl, RNAV (GPS) Z RWY 16, Amdt 1A
 Richmond, VA, Richmond Intl, RNAV (GPS) Z RWY 20, Amdt 2
 Richmond, VA, Richmond Intl, RNAV (GPS) Z RWY 34, Amdt 1A
 Richmond, VA, Richmond Intl, RNAV (RNP) Y RWY 2, Orig
 Richmond, VA, Richmond Intl, RNAV (RNP) Y RWY 16, Orig
 Richmond, VA, Richmond Intl, RNAV (RNP) Y RWY 20, Orig
 Richmond, VA, Richmond Intl, RNAV (RNP) Y RWY 34, Orig
 West Dover, VT, Mount Snow, NDB RWY 1, Amdt 1, CANCELED

Effective 21 AUGUST 2014

Graford, TX, Possum Kingdom, RNAV (GPS) RWY 2, Orig-B
 Graford, TX, Possum Kingdom, RNAV (GPS) RWY 20, Orig-B
 Lago Vista, TX, Lago Vista TX - Rusty Allen, RNAV (GPS) RWY 15, Orig-A

PAGE 1 OF 6 PAGES

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

NOTES, (CONT.):

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT HEVEB ON V436 NORTHWEST BOUND.

CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.

CHART NOTE: VDP NA WHEN USING PALMER ALTIMETER SETTING.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE PALMER ALTIMETER SETTING: INCREASE ALL DA 46 FEET AND ALL VISIBILITIES 1/4 MILE; INCREASE ALL MDA 60 FEET.

CITY AND STATE

WASILLA, AK

ELEVATION: 354

TDZE: 352

AIRPORT NAME:

WASILLA

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 4, AMDT 1

24 JULY 2014

SUP: RNAV (GPS) RWY 3

AMDT: ORIG

DATED: 01/20/2005

RNAV STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

FAS DATA BLOCK INFORMATIONDATA FIELDDATA

OPERATION TYPE 0
SBAS SERVICE PROVIDER IDENTIFIER 0
AIRPORT IDENTIFIER PAWS
RUNWAY RW04
APPROACH PERFORMANCE DESIGNATOR 0
ROUTE INDICATOR
REFERENCE PATH DATA SELECTOR 0
REFERENCE PATH IDENTIFIER (APPROACH ID) W04A
LTP/FTP LATITUDE 613407.8485N
LTP/FTP LONGITUDE 1493256.8420W
LTP/FTP ELLIPSOIDAL HEIGHT +01108
FPAP LATITUDE 613457.2215N
FPAP LONGITUDE 1493021.9035W
THRESHOLD CROSSING HEIGHT (TCH) 00045.0
TCH UNITS SELECTOR (METERS OR FEET USED) F
GLIDEPATH ANGLE (GPA) 03.00
COURSE WIDTH AT THRESHOLD 106.75
LENGTH OFFSET 1624
HORIZONTAL ALERT LIMIT (HAL) 40.0
VERTICAL ALERT LIMIT (VAL) 50.0

DBACE067

CRC REMAINDERADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE PA
LTP ORTHOMETRIC HEIGHT +01024
FPAP ORTHOMETRIC HEIGHT +01024

CITY AND STATE

WASILLA, AK

ELEVATION: 354

TDZE: 352

AIRPORT NAME:

WASILLA

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 4, AMDT 1

24 JULY 2014

SUP: RNAV (GPS) RWY 3

AMDT: ORIG

DATED: 01/20/2005

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - FAR PART 97.33

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ARINC PACKET - 424-18 - RNAV (GPS)

[illegible]

CITY AND STATE
WASILLA, AK

ELEVATION: 354
AIRPORT NAME:

TDZE: 352

WASILLA

FACILITY
IDENTIFIER:
| RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
RNAV (GPS) RWY 4, AMDT 1
 24 JULY 2014

SUP:	RNAV (GPS) RWY 3
AMDT:	ORIG
DATED:	01/20/2005

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICES - FAR PART 97.33

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[illegible]

CITY AND STATE
WASILLA, AK

ELEVATION: 354	TDZE: 352
AIRPORT NAME:	WASILLA

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
RNAV (GPS) RWY 4, AMDT 1
 24 JULY 2014

SUP:	RNAV (GPS) RWY 3
AMDT:	ORIG
DATED:	01/20/2005

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICES - FAR PART 97.33

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ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	AVERR	AVERR	010	IAF	HF	R	FO		038.0(056.0T)	004.0	AA 02500	
	HEVEB	HEVEB	010	IAF	IF		FB					
	HEVEB	AVERR	020		TF		FB	1.0	088.0(106.0T)	015.1	AA 02500	
		AVERR	010	FACF	IF		FB				AA 02500	
		FRIZL	020	FAF	TF		FB	0.5	038.0(056.0T)	005.0	AA 01900	
		ZINEV	021	SDF	TF		FB	0.3	038.1(056.1T)	003.0	AA 00960	GS 00961
		RW04	030	MAP	TF		FO	0.3	038.1(056.1T)	001.8	AT 00381	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		038.1(056.1T)		AA 01000	
	BGQ	050		DF	L	FO				AA 03000	
	BGQ	060		HM	R	FO		168.0(186.0T)	004.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	BGQ	N613410.04	W1495801.72	N6134.167	W14958.029
	AVERR	N612841.80	W1494952.78	N6128.697	W14949.880
	FRIZL	N613128.94	W1494113.56	N6131.482	W14941.226
	HEVEB	N613254.23	W1502007.18	N6132.904	W15020.120
	ZINEV	N613307.27	W1493606.55	N6133.121	W14936.109
	RW04	N613407.85	W1493256.84	N6134.131	W14932.947

RUNWAY DATA	THRESHOLD	ELEVATION	TCH
RWY			
RW04	00336		45

CITY AND STATE WASILLA, AK	ELEVATION: 354	TDZE: 352	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP: RNAV (GPS) RWY 3
	AIRPORT NAME:	WASILLA	RNAV	RNAV (GPS) RWY 4, AMDT 1	AMDT: ORIG
				24 JULY 2014	DATED: 01/20/2005

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION		RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33		Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.											
TERMINAL ROUTES				MISSED APPROACH											
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LPV: DA LNAV/VNAV: DA LNAV: RW22											
ZXTU (IAF)	ZALEG (FB)	233.26 / 11.34	6200	CLIMB TO 1000 THEN CLIMBING RIGHT TURN TO 3000 DIRECT BGQ VORTAC AND HOLD.											
ZALEG	JODBI (FB)	232.14 / 5.00	4400												
JODBI (IF)	WOKNA (FB)	227.42 / 5.96	2500												
WOKNA (FAF)	ODUWU/1.90 NM TO RW22 (FB)	218.39 / 4.09		ADDITIONAL FLIGHT DATA: HOLD N, RT, 168.00 INBOUND. CHART FAS OBST: 546 TREE 613512N/1492855W DISTANCE TO THLD FROM 250 HAT: 0.60 NM. CHART VDP AT 1.15 MILES TO RW22* *LNAV ONLY. WAAS CHANNEL # 69536 REFERENCE PATH ID: W22A CHART CIRCLING ICON LTP HAE: 116.2 M											
ODUWU/1.90 NM TO RW22	RW22 (MAP) (FO)	218.39 / 1.90													
RW22 (MAP)	1000 MSL	218.39	1000												
1000 MSL	BGQ VORTAC (FO)		3000												
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)				MAG VAR: 18E EPOCH YEAR: 2015											
2. PROFILE STARTS AT JODBI															
3. FAC: 218.39 FAF: WOKNA DIST FAF TO MAP: 5.99 THLD: 5.99															
4. MIN. ALT: JODBI 4400, WOKNA 2500, ODUWU/1.90 NM TO RW22 1060*															
5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____															
6. MIN GS INCPT: 2500 GS ALT AT: WOKNA 2500 OM: _____ MM: _____ IM: _____															
7. GS ANGLE: 3.31 TCH: 40.0 34:1 IS NOT CLEAR															
8. MSA FROM: RW22 9300															
MINIMUMS															
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT			ALTERNATE: N A		STANDARD @										
CATEGORY ==>	A		B		C	D	E								
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	604	3/4	250	604	3/4	250		NA			NA				
LNAV/VNAV DA	821	1 1/2	467	821	1 1/2	467		NA			NA				
LNAV MDA	800	1	446	800	1	446		NA			NA				
CIRCLING	1000	1	646	1000	1	646		NA			NA				
NOTES: CHART NOTE: BARO-VNAV NA WHEN USING PALMER ALTIMETER SETTING. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -25C (-13F) OR ABOVE 54C (130F). CHART NOTE: DME/DME RNP-0.3 NA. (SEE FORM 8260-10)															
CITY AND STATE		ELEVATION: 354 TDZE: 354		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:					
WASILLA, AK		AIRPORT NAME: WASILLA				RNAV (GPS) RWY 22, ORIG 24 JULY 2014				AMDT: NONE					
										DATED					

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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NOTES, (CONT.):

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT ZXTU ON V456 NORTHEAST BOUND.

CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.

CHART NOTE: VDP NA WHEN USING PALMER ALTIMETER SETTING.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE PALMER ALTIMETER SETTING: INCREASE ALL DA 46 FEET AND ALL VISIBILITIES 1/8 MILE; INCREASE ALL MDA 60 FEET.

CITY AND STATE

WASILLA, AK

ELEVATION: 354

TDZE: 354

AIRPORT NAME:

WASILLA

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 22, ORIG

24 JULY 2014

SUP:

AMDT: NONE

DATED:

**RNAV STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

FAS DATA BLOCK INFORMATION**DATA FIELD****DATA**

OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	PAWS
RUNWAY	RW22
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W22A
LTP/FTP LATITUDE	613428.0995N
LTP/FTP LONGITUDE	1493153.3225W
LTP/FTP ELLIPSOIDAL HEIGHT	+01162
FPAP LATITUDE	613338.7020N
FPAP LONGITUDE	1493428.1865W
THRESHOLD CROSSING HEIGHT (TCH)	00040.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.31
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1624
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER

5CF2DAAD

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	PA
LTP ORTHOMETRIC HEIGHT	+01077
FPAP ORTHOMETRIC HEIGHT	+01077

CITY AND STATE

WASILLA, AK

ELEVATION: 354

TDZE: 354

AIRPORT NAME:

WASILLA

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 22, ORIG

24 JULY 2014

SUP:

AMDT: NONE

DATED:

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC PACKET - 424-18 - RNAV (GPS)

[illegible][illegible][illegible][illegible][illegible][illegible]

DATED:

RNAV

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

[illegible]

CITY AND STATE
WASILLA, AK

ELEVATION: 354	TDZE: 354
AIRPORT NAME:	WASILLA

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
RNAV (GPS) RWY 22, ORIG
 24 JULY 2014

SUP:	
AMDT:	NONE
DATED:	

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICES - FAR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	ZEXTU	ZEXTU	010	IAF	IF		FB					
	ZEXTU	ZALEG	020		TF		FB	1.0	233.3 (251.3T)	011.3	AA 06200	
	ZEXTU	JODBI	030		TF		FB	1.0	232.1 (250.1T)	005.0	AA 04400	
		JODBI	010	FACF	IF		FB				AA 04400	
		WOKNA	020	FAF	TF		FB	0.5	227.4 (245.4T)	006.0	AA 02500	
		ODUWU	021	SDF	TF		FB	0.3	218.4 (236.4T)	004.1	AA 01060 GS 01061	
		RW22	030	MAP	TF		FO	0.3	218.4 (236.4T)	001.9	AT 00394	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		218.4 (236.4T)		AA 01000	
	BGQ	050		DF	R	FO				AA 03000	
	BGQ	060		HM	R	FO		168.0 (186.0T)	004.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	BGQ	N613410.04	W1495801.72	N6134.167	W14958.029
	JODBI	N614015.93	W1491004.94	N6140.266	W14910.082
	ODUWU	N613531.23	W1492834.98	N6135.521	W14928.583
	WOKNA	N613746.99	W1492126.84	N6137.783	W14921.447
	ZALEG	N614157.89	W1490012.93	N6141.965	W14900.216
	ZEXTU	N614537.79	W1483739.55	N6145.630	W14837.659
	RW22	N613428.10	W1493153.32	N6134.468	W14931.889

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW22	00354	40

CITY AND STATE WASILLA, AK	ELEVATION: 354	TDZE: 354	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 22, ORIG 24 JULY 2014	SUP:
	AIRPORT NAME: WASILLA				AMDT: NONE
					DATED:

U.S. DEPARTMENT OF TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION
TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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City, State	Airport	Effective Date	Amdt. No.
WASILLA, AK	WASILLA	24 JULY 2014	2

TAKEOFF MINIMUMS:

RWY 04, 22 STANDARD

TEXTUAL DEPARTURE PROCEDURES:

RWY 4, CLIMBING LEFT TURN DIRECT BGQ VORTAC. DO NOT EXCEED 180 KIAS UNTIL PASSING BGQ VORTAC, THENCE....

RWY 22, CLIMBING RIGHT TURN DIRECT BGQ VORTAC, THENCE....

....AIRCRAFT DEPARTING BGQ VORTAC ON RADIALS 161 CW 336 CLIMB ON COURSE. ALL OTHER AIRCRAFT CLIMB IN HOLDING PATTERN (HOLD N, RT, 174.00 INBOUND) TO CROSS BGQ VORTAC AT OR ABOVE APPROPRIATE MCA BEFORE PROCEEDING ON COURSE.

VISUAL CLIMB OVER AIRPORT:

TAKEOFF OBSTACLE NOTES:

RWY 04, TREES BEGINNING 150 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 60 FT AGL/504 FT MSL.

RWY 22, TREES BEGINNING 9 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 60 FT AGL/470 FT MSL.

CONTROLLING OBSTACLES:

OBSTACLE MANDATING ODP ROUTE DEVELOPMENT: 8205 FT MSL AAO 611826.00N/1485215.00W.

U.S. DEPARTMENT OF TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION
TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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City, State	Airport	Effective Date	Amdt. No.
WASILLA, AK	WASILLA	24 JULY 2014	2

REMARKS:

FLIGHT INSPECTED BY:

Robert Perkins 5/8/14



REQUIRED EFFECTIVE DATE:

ROUTINE

DEVELOPED BY:

ALLAN WILL AJV-354

03/05/2014



APPROVED BY:

LARRY STROUT AJV-354

JUN 06 2014 

COORDINATED WITH:

ALPA, AOPA, NBAA, ZAN ARTCC, ANC APP CON, AMGR

CHANGES:

1. AIRPORT RUNWAYS CHANGED FROM 03/21 TO 04/22.
2. CEILING/VISIBILITY AND CLIMB GRADIENT TO CLIMB-TO ALTITUDE REMOVED FROM RUNWAY 22 TAKEOFF MINIMUMS.
3. AIRSPEED RESTRICTION MOVED FROM REMARKS TO RUNWAY 04 TEXTUAL DEPARTURE PROCEDURE.
4. TAKEOFF OBSTACLES NOTES UPDATED TO INCLUDE MULTIPLE TREES.
5. CONTROLLING OBSTACLE REMOVED FOR RUNWAY 22.
6. CHART NOTE RESTRICTING CLIMB IN HOLD AIRSPEED TO 265 KNOTS REMOVED.

REASONS:

1. AIRPORT MAG VARIATION UPDATED FROM 23E TO 18E.
- 2, 4, 5. VG SURVEY DATED 08/26/2010 VERIFIES OBSTACLES ON DEPARTURE END OF BOTH RUNWAYS.
3. RESTRICTION DUE TO OBSTACLES NORTH AND SOUTH OF RUNWAY 4 EXTENDED CENTERLINE.
6. CLIMB-IN-HOLD ONLY REQUIRED FOR DEPARTURE ON ENROUTE RADIAL 054 TO MCA 5000.

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION		RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33		Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.								
TERMINAL ROUTES				MISSED APPROACH								
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LP: RW11 LNAV: RW11 CLIMB TO 2000 DIRECT VUTUC AND HOLD. ADDITIONAL FLIGHT DATA: HOLD E, RT, 291.46 INBOUND. CHART FAS OBST: 279 TREE 310353N/0855450W CHART FAS OBST: 321 TANK 310259N/0855336W WAAS CHANNEL # 70735 REFERENCE PATH ID: W11A RURAE TO RW11: 3.50/47. CHART CIRCLING ICON LTP HAE: 1.5 M								
SOVRE (IF/IAF)	RURAE (FB)	111.24 / 6.85	1800									
RURAE (FAF)	QASQO/2.10 NM TO RW11 (FB)	111.31 / 2.36										
QASQO/2.10 NM TO RW11	RW11 (MAP) (FO)	111.31 / 2.10										
RW11 (MAP)	500 MSL	111.31										
500 MSL	VUTUC (FO)		2000									
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. HOLD W SOVRE, RT, 111.24 INBOUND, 2000 FT. IN LIEU OF PT (IAF) 3. FAC: <u>111.31</u> FAF: <u>RURAE</u> DIST FAF TO MAP: <u>4.46</u> THLD: <u>4.46</u> 4. MIN. ALT: SOVRE 2000, RURAE 1800, QASQO/2.10 NM TO RW11 920 5. DIST TO THLD FROM OM: <u> </u> MM: <u> </u> IM: <u> </u> 150 HAT: <u> </u> 100 HAT: <u> </u> GS ANT: <u> </u> 6. MIN GS INCPT: <u> </u> GS ALT AT: <u> </u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u> </u> TCH: 34:1 IS NOT CLEAR 8. MSA FROM: <u> </u>				MAG VAR: 4W EPOCH YEAR: 2015								
MINIMUMS												
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT			ALTERNATE: N A ☒ X									
CATEGORY =====>	A		B		C		D		E			
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LP MDA	600	1	506	600	1	506	600	1 3/8	506	NA		
LNAV MDA	640	1	546	640	1	546	640	1 5/8	546	NA		
CIRCLING	700	1	600	720	1	620	840	2	740	NA		
NOTES: CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. CHART NOTE: PROCEDURE NA AT NIGHT. CHART NOTE: USE CAIRNS ALTIMETER SETTING. WHEN NOT RECEIVED, USE DOTHAN ALTIMETER SETTING AND INCREASE ALL MDA 40 FEET. INCREASE ALL CAT C VISIBILITIES 1/4 MILE.												
CITY AND STATE		ELEVATION: 100 THRE: 94		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:		
GENEVA, AL		AIRPORT NAME: GENEVA MUNI		RNAV		RNAV (GPS) RWY 11, ORIG 24 JULY 2014				AMDT: NONE		
											DATED	

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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TAA

	FROM	TO	ALT
1.	021/30 CW 201/30 (NOPT) 021/15 CW 201/15	021/15 CW 201/15 SOVRE (IF/IAF) (FB)	2500 2000
2.	201/30 CW 021/30 201/15 CW 021/15	201/15 CW 021/15 SOVRE (IAF) (FO)	3100 2100



CITY AND STATE GENEVA, AL	ELEVATION: 100 THRE: 94 AIRPORT NAME: GENEVA MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 11, ORIG 24 JULY 2014	SUP:
				AMDT: NONE
				DATED:

**RNAV STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	33J
RUNWAY	RW11
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W11A
LTP/FTP LATITUDE	310315.3500N
LTP/FTP LONGITUDE	0855230.1300W
LTP/FTP ELLIPSOIDAL HEIGHT	+00015
FPAP LATITUDE	310248.7100N
FPAP LONGITUDE	0855051.1300W
THRESHOLD CROSSING HEIGHT (TCH)	00047.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.50
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1528
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	0.0

<u>CRC REMAINDER</u>	85F65D1B

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+00288
FPAP ORTHOMETRIC HEIGHT	+00288

CITY AND STATE

GENEVA, AL

ELEVATION: 100

THRE: 94

AIRPORT NAME:

GENEVA MUNI

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:

RNAV (GPS) RWY 11, ORIG

24 JULY 2014

SUP:

AMDT:

NONE

DATED:

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC PACKET - 424-18 - RNAV (GPS)

[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP 33J K7FR11	ASOVRE	010SOVREK7EA0EE	AR	HF			11120040	+	02000	18000		A	JS
SUSAP 33J K7FR11	R	010SOVREK7EA0E	I	IF				+	02000	18000		A	JS
SUSAP 33J K7FR11	R	020RURAEK7EA1E	F	051TF			11120069	+	01800			A	JS
SUSAP 33J K7FR11	R	020RURAEK7EA2WALP			N	ALNAV							JS
SUSAP 33J K7FR11	R	021QASQOK7EA0E	S	031TF			11130024	V	0092000921		-350	A	JS
SUSAP 33J K7FR11	R	030RW11 K7PGOGY	M	031TF			11130021		00141		-350	A	JS
SUSAP 33J K7FR11	R	040		0 M	CA		1113	+	00500			A	JS
SUSAP 33J K7FR11	R	050VUTUCK7EA0EY		DF				+	02000			A	JS
SUSAP 33J K7FR11	R	060VUTUCK7EA0EE	R	HM			29150040	+	02000			A	JS

[illegible][illegible]

CITY AND STATE
GENEVA, AL

ELEVATION: 100	THRE: 94
AIRPORT NAME: GENEVA MUNI	

FACILITY
IDENTIFIER:
| RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
RNAV (GPS) RWY 11, ORIG
 24 JULY 2014

SUP:	
AMDT:	NONE
DATED:	

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICES - FAR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	SOVRE	SOVRE	010	IAF	HF	R	FO		111.2 (107.2T)	004.0	AA 02000	
		SOVRE	010	FACF	IF		FB				AA 02000	
		RURAE	020	FAF	TF		FB	0.5	111.2 (107.2T)	006.9	AA 01800	
		QASQO	021	SDF	TF		FB	0.3	111.3 (107.3T)	002.4	AA 00920	GS 00921
		RW11	030	MAP	TF		FO	0.3	111.3 (107.3T)	002.1	AT 00141	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		111.3 (107.3T)		AA 00500	
	VUTUC	050		DF		FO				AA 02000	
	VUTUC	060		HM	R	FO		291.5 (287.5T)	004.0	AA 02000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	QASQO	N310352.99	W0855450.16	N3103.883	W08554.836
	RURAE	N310435.30	W0855727.81	N3104.588	W08557.464
	SOVRE	N310637.56	W0860504.63	N3106.626	W08605.077
	VUTUC	N305940.12	W0853912.67	N3059.669	W08539.211
	RW11	N310315.35	W0855230.13	N3103.256	W08552.502

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW11	00094	47

CITY AND STATE
GENEVA, AL

ELEVATION: **100** THRE: **94**
 AIRPORT NAME:
GENEVA MUNI

FACILITY
 IDENTIFIER:
RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
RNAV (GPS) RWY 11, ORIG
24 JULY 2014

SUP:
 AMDT: **NONE**
 DATED:

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION		RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33		Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.							
TERMINAL ROUTES				MISSED APPROACH							
FROM		TO		COURSE AND DISTANCE		ALTITUDE		LNAV: RW29			
VUTUC (IF/IAF)		USPEC (FB)		291.46 / 6.85		1800					
USPEC (FAF)		TIYUN/2.20 NM TO RW29 (FB)		291.39 / 2.26							
TIYUN/2.20 NM TO RW29		RW29 (MAP) (FO)		291.39 / 2.20				CLIMB TO 2000 DIRECT SOVRE AND HOLD.			
RW29 (MAP)		500 MSL		291.39							
500 MSL		SOVRE (FO)				2000					
								ADDITIONAL FLIGHT DATA: HOLD W, RT, 111.24 INBOUND. CHART FAS OBST: 279 TREE 310234N/0854932W USPEC TO RW29: 3.50/47. CHART CIRCLING ICON			
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF)											
2. HOLD E VUTUC, RT, 291.46 INBOUND, 2000 FT. IN LIEU OF PT (IAF)											
3. FAC: <u>291.39</u> FAF: <u>USPEC</u> DIST FAF TO MAP: <u>4.46</u> THLD: <u>4.46</u>											
4. MIN. ALT: <u>VUTUC 2000, USPEC 1800, TIYUN/2.20 NM TO RW29 960</u>											
5. DIST TO THLD FROM OM: <u> </u> MM: <u> </u> IM: <u> </u> 150 HAT: <u> </u> 100 HAT: <u> </u> GS ANT: <u> </u>											
6. MIN GS INCPT: <u> </u> GS ALT AT: <u> </u> OM: <u> </u> MM: <u> </u> IM: <u> </u>											
7. GS ANGLE: <u> </u> TCH: <u>34:1</u> IS NOT CLEAR											
8. MSA FROM: <u> </u>											
MAG VAR: 4W EPOCH YEAR: 2015											
MINIMUMS											
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT											
ALTERNATE: N A X											
CATEGORY =====>		A		B		C		D		E	
		DH/MDA VIS HAT/HAA		DH/MDA VIS HAT/HAA		DH/MDA VIS HAT/HAA		DH/MDA VIS HAT/HAA		DH/MDA VIS HAT/HAA	
LNAV MDA		600 1 504		600 1 504		600 1 3/8 504				NA	
CIRCLING		700 1 600		720 1 620		840 2 740				NA	
NOTES: CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. CHART NOTE: PROCEDURE NA AT NIGHT. CHART NOTE: USE CAIRNS ALTIMETER SETTING. WHEN NOT RECEIVED, USE DOTHAN ALTIMETER SETTING AND INCREASE ALL MDA 40 FEET. INCREASE ALL CAT C VISIBILITIES 1/4 MILE.											
CITY AND STATE		ELEVATION: 100 THRE: 96		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:		SUP:			
GENEVA, AL		AIRPORT NAME: GENEVA MUNI				RNAV (GPS) RWY 29, ORIG 24 JULY 2014		AMDT: NONE			
DATED											

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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TAA

	FROM	TO	ALT
1.	201/30 CW 351/30 (NOPT)	201/20 CW 351/20	2500
2.	351/30 CW 021/30	351/4 CW 021/4	3100
3.	201/20 CW 351/20	VUTUC (IF/IAF) (FB)	2000
	351/4 CW 021/4	VUTUC (IF/IAF) (FB)	2000
4.	021/30 CW 088/30	VUTUC (IAF) (FO)	3100
5.	088/30 CW 201/30	VUTUC (IAF) (FO)	2500



CITY AND STATE GENEVA, AL	ELEVATION: 100	THRE: 96	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 29, ORIG 24 JULY 2014	SUP:
	AIRPORT NAME: GENEVA MUNI				AMDT: NONE
					DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICES - FAR PART 97.33

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ARINC PACKET - 424-18 - RNAV (GPS)

	1	2	3	4	5	6	7	8	9	0	1	2	3
WP	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
	SUSAEENRT	SOVRE K70	W	N31063756W086050463				W0032	NAR		SOVRE		
	SUSAEENRT	TIYUN K70	W	N31022407W085491960				W0034	NAR		TIYUN		
	SUSAEENRT	USPEC K70	W	N31014347W085464898				W0034	NAR		USPEC		
	SUSAEENRT	VUTUC K70	W	N30594012W085391267				W0035	NAR		VUTUC		

	1	2	3	4	5	6	7	8	9	0	1	2	3
AIRPORT	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
	SUSAP 33J K7A33J	0	039YHN31030945W085520820W004000100				1800018000C	MNAR	GENEVA MUNI				

	1	2	3	4	5	6	7	8	9	0	1	2	3
SEGMENT	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
	SUSAP 33J K7FR29	AVUTUC 010VUTUCK7EA0EE	AR	HF			29150040	+ 02000	18000			B JS	
	SUSAP 33J K7FR29	R	010VUTUCK7EA0E	I	IF			+ 02000	18000			B JS	
	SUSAP 33J K7FR29	R	020USPECK7EA1E	F 051TF			29150069	+ 01800				B JS	
	SUSAP 33J K7FR29	R	020USPECK7EA2WN		N	ALNAV						JS	
	SUSAP 33J K7FR29	R	021TIYUNK7EA0E	S 031TF			29140023	V 0096000960	-350			B JS	
	SUSAP 33J K7FR29	R	030RW29 K7PG0GY	M 031TF			29140022	00143	-350			B JS	
	SUSAP 33J K7FR29	R	040	0 M CA			2914	+ 00500				B JS	
	SUSAP 33J K7FR29	R	050SOVREK7EA0EY	DF				+ 02000				B JS	
	SUSAP 33J K7FR29	R	060SOVREK7EA0EE	R HM			11120040	+ 02000				B JS	

	1	2	3	4	5	6	7	8	9	0	1	2	3
RUNWAY	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
	SUSAP 33J K7GRW29	0039982914	N31030355W085514626+0000				+0001900096000047100R						

CITY AND STATE GENEVA, AL	ELEVATION: 100	THRE: 96	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME:			RNAV (GPS) RWY 29, ORIG	AMDT: NONE
	GENEVA MUNI		RNAV	24 JULY 2014	DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICES - FAR PART 97.33

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ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	VUTUC	VUTUC	010	IAP	HF	R	FO		291.5 (287.5T)	004.0	AA 02000	
		VUTUC	010	FACF	IF		FB				AA 02000	
		USPEC	020	PAF	TF		FB	0.5	291.5 (287.5T)	006.9	AA 01800	
		TIYUN	021	SDF	TF		FB	0.3	291.4 (287.4T)	002.3	AA 00960 GS 00960	
		RW29	030	MAP	TF		FO	0.3	291.4 (287.4T)	002.2	AT 00143	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		291.4 (287.4T)		AA 00500	
	SOVRE	050		DF		FO				AA 02000	
	SOVRE	060		HM	R	FO		111.2 (107.2T)	004.0	AA 02000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	SOVRE	N310637.56	W0860504.63	N3106.626	W08605.077
	TIYUN	N310224.07	W0854919.60	N3102.401	W08549.327
	USPEC	N310143.47	W0854648.98	N3101.725	W08546.816
	VUTUC	N305940.12	W0853912.67	N3059.669	W08539.211
	RW29	N310303.55	W0855146.26	N3103.059	W08551.771

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW29	00096	47

CITY AND STATE
GENEVA, AL

ELEVATION: **100** **THRE: 96**
 AIRPORT NAME:
GENEVA MUNI

FACILITY IDENTIFIER:
RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
RNAV (GPS) RWY 29, ORIG
24 JULY 2014

SUP:
 AMDT: **NONE**
 DATED:

U.S. DEPARTMENT OF TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION
TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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City, State	Airport	Effective Date	Amdt. No.
GENEVA, AL	GENEVA MUNI	24 JULY 2014	ORIG

TAKEOFF MINIMUMS:

RWY 11, 29, STANDARD.

TEXTUAL DEPARTURE PROCEDURES:

RWY 11 – CLIMB HEADING 111.35 TO 2000 BEFORE TURNING RIGHT.

RWY 29 – CLIMB HEADING 291.35 TO 1300 BEFORE TURNING LEFT.

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 11, VEHICLE ON ROAD 238 FT FROM DER, 254 FT LEFT OF COURSE, 17 FT AGL/125 FT MSL. TREES 306 FT FROM DER, 305 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/198 FT MSL. TREES 193 FT FROM DER, 168 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/196 FT MSL.

NOTE: RWY 29, TREES 407 FT FROM DER, 174 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/189 FT MSL. TREES 1393 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 100 FT AGL/236 FT MSL.

CONTROLLING OBSTACLES:

OBSTACLE MANDATING ODP ROUTE DEVELOPMENT: RWY 11 – 1049 MSL TOWER 310243.00N/0855733.00W

OBSTACLE MANDATING ODP ROUTE DEVELOPMENT: RWY 29 – 2025 MSL TOWER 305511.60N/0854429.33W



U.S. DEPARTMENT OF TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION
TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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Ceilings are in feet above airport elevation. Distances are in nautical miles. Visibilities are in statute miles or feet RVR unless otherwise indicated.

City, State	Airport	Effective Date	Amdt. No.
GENEVA, AL	GENEVA MUNI	24 JULY 2014	ORIG

REMARKS:

FLIGHT INSPECTED BY:

for *Max Sadler*
Stephen Koch

3/13/14

REQUIRED EFFECTIVE DATE:

CONCURRENT

DEVELOPED BY:

for *Max Sadler*
JACOB POWERS
(BRIAN BERUBEE) AJV-352

09/27/2013

APPROVED BY:

for *Max Sadler*
SUE CRUMB AJV-352

JUN 10 2014

COORDINATED WITH:

ALPA, AOPA, NBAA, ZJX, OZR ARAC, AMGR

CHANGES:

REASONS:

CONCURRENT WITH AIRSPACE DOCKET FAA-2012-1086, 12-ASO-40



US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION		RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33		Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.											
TERMINAL ROUTES				MISSED APPROACH											
FROM PEVYU (IF/IAF) HUMTY (FAF) ZIPAK/2.16 NM TO RW21L RW21L (MAP) 5500 MSL	TO HUMTY (FB) ZIPAK/2.16 NM TO RW21L (FB) RW21L (MAP) (FO) 5500 MSL DILLY (FO)	COURSE AND DISTANCE 208.42 / 8.33 208.36 / 6.90 208.36 / 2.16 208.36	ALTITUDE 7900 5500 9100	LPV: DA LNAV/VNAV: DA LNAV: RW21L CLIMB TO 5500 THEN CLIMBING RIGHT TURN TO 9100 DIRECT DILLY AND HOLD, CONTINUE CLIMB-IN-HOLD TO 9100. ADDITIONAL FLIGHT DATA: HOLD NW, RT, 125.92 INBOUND. CHART FAS OBST: 5080 TREE 344017N/1122457W 5740 AAO 344626N/1121706W DISTANCE TO THLD FROM 200 HAT: 0.46 NM. CHART VDP AT 1.49 MILES TO RW21L* *LNAV ONLY. WAAS CHANNEL # 40002 REFERENCE PATH ID: W21A CHART CIRCLING ICON LTP HAE: 1485 M											
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. HOLD NE PEVYU, RT, 208.42 INBOUND, 9100 FT. IN LIEU OF PT (IAF) 3. FAC: 208.36 FAF: HUMTY DIST FAF TO MAP: 9.06 THLD: 9.06 4. MIN. ALT: PEVYU 9100, HUMTY 7900, ZIPAK/2.16 NM TO RW21L 5700* 5. DIST TO THLD FROM OM: <u> </u> MM: <u> </u> IM: <u> </u> 150 HAT: <u> </u> 100 HAT: <u> </u> GS ANT: <u> </u> 6. MIN GS INCPT: 7900 GS ALT AT: HUMTY 7900 OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: 3.00 TCH: 55.0 34:1 IS CLEAR 8. MSA FROM: <u> </u>				MAG VAR: 13E EPOCH YEAR: 1995											
MINIMUMS															
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT			ALTERNATE: N A		STANDARD @										
CATEGORY =====>	A		B		C	D	E								
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
%LPV DA	5176	1/2	200	5176	1/2	200	5176	1/2	200	5176	1/2	200			
LPV DA	5276	1/2	300	5276	1/2	300	5276	1/2	300	5276	1/2	300			
LNAV/VNAV DA	5390	7/8	414	5390	7/8	414	5390	7/8	414	5390	7/8	414			
LNAV MDA	5480	1/2	504	5480	1/2	504	5480	1	504	5480	1	504			
CIRCLING	5520	1	475	5760	1	715	6080	3	1035	6680	3	1635			
NOTES: CHART NOTE: %MISSED APPROACH REQUIRES A MINIMUM CLIMB OF 345 FEET PER NM TO 7300. @ CAT C 1100-3, CAT D 1700-3 CHART NOTE: DME/DME RNP-0.3 NA. CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -11C (13F) OR ABOVE 47C (SEE FORM 8260-10)															
CITY AND STATE PRESCOTT, AZ		ELEVATION: 5045 TDZE: 4976 AIRPORT NAME: ERNEST A. LOVE FIELD		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 21L, AMDT 2A 24 JULY 2014				SUP: AMDT: 2 DATED 04/03/2014					

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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NOTES, (CONT.):

(117F).

CHART NOTE: CIRCLING TO RWY 30 NA AT NIGHT.

CHART NOTE: FOR INOPERATIVE MALSR INCREASE LPV VISIBILITY ALL CATS TO 1 MILE.

TAA

	FROM	TO	ALT
1.	118/30 CW 298/30 (NOPT)	118/10 CW 298/10	11600
2.	118/10 CW 298/10	PEVYU (IF/IAF) (FB)	9100
3.	298/30 CW 118/30	298/4 CW 118/4	10200
4.	298/4 CW 118/4	PEVYU (IF/IAF) (FO)	9100

CITY AND STATE

PRESCOTT, AZ

ELEVATION: 5045

TDZE: 4976

AIRPORT NAME:

ERNEST A. LOVE FIELD

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 21L, AMDT 2A

24 JULY 2014

SUP:

AMDT: 2

DATED: 04/03/2014

RNAV STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33

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FAS DATA BLOCK INFORMATIONDATA FIELDDATA

OPERATION TYPE 0
SBAS SERVICE PROVIDER IDENTIFIER 0
AIRPORT IDENTIFIER KPRC
RUNWAY RW21L
APPROACH PERFORMANCE DESIGNATOR 0
ROUTE INDICATOR
REFERENCE PATH DATA SELECTOR 0
REFERENCE PATH IDENTIFIER (APPROACH ID) W21A
LTP/FTP LATITUDE 343943.8800N
LTP/FTP LONGITUDE 1122440.6685W
LTP/FTP ELLIPSOIDAL HEIGHT +14850
FPAP LATITUDE 343836.8150N
FPAP LONGITUDE 1122551.9285W
THRESHOLD CROSSING HEIGHT (TCH) 00055.0
TCH UNITS SELECTOR (METERS OR FEET USED) F
GLIDEPATH ANGLE (GPA) 03.00
COURSE WIDTH AT THRESHOLD 106.75
LENGTH OFFSET 0432
HORIZONTAL ALERT LIMIT (HAL) 40.0
VERTICAL ALERT LIMIT (VAL) 35.0

CRC REMAINDER

C214DB68

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K2
LTP ORTHOMETRIC HEIGHT +15112
FPAP ORTHOMETRIC HEIGHT +15112

CITY AND STATE

PRESCOTT, AZ

ELEVATION: 5045

TDZE: 4976

AIRPORT NAME:

ERNEST A. LOVE FIELD

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:

RNAV (GPS) RWY 21L, AMDT 2A

24 JULY 2014

SUP:

AMDT: 2

DATED: 04/03/2014

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

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ARINC PACKET - 424-18 - RNAV (GPS)

[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KPRCK2FR21L	APEVYU	010PEVYUK2EA0EE	AR	HF		20840070		+ 09100	18000			A JS	
SUSAP KPRCK2FR21L	R	010PEVYUK2EA0E	I	IF				+ 09100	18000			A JS	
SUSAP KPRCK2FR21L	R	020HUMTYK2EA1E	F	051TF		20840083		+ 07900				A JS	
SUSAP KPRCK2FR21L	R	020HUMTYK2EA2WALPV			ALNAV/VNAV							JS	
SUSAP KPRCK2FR21L	R	021ZIPAKK2EA0E	S	031TF		20840069		V	0570005701		-300	A JS	
SUSAP KPRCK2FR21L	R	030RW21LK2PG0GY	M	031TF		20840022			05013		-300	A JS	
SUSAP KPRCK2FR21L	R	040		0 M	CA	2084		+ 05500				A JS	
SUSAP KPRCK2FR21L	R	050DILLYK2EA0EY	R	DF				+ 09100				A JS	
SUSAP KPRCK2FR21L	R	060DILLYK2EA0EE	R	HM		12590070		+ 09100				A JS	

[illegible][illegible]

CITY AND STATE
PRESCOTT, AZ

ELEVATION: 5045	TDZE: 4976
AIRPORT NAME: ERNEST A. LOVE FIELD	

FACILITY
IDENTIFIER:
| RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
RNAV (GPS) RWY 21L, AMDT 2A
 24 JULY 2014

SUP:	
AMDT:	2
DATED:	04/03/2014

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICES - FAR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	PEVYU	PEVYU	010	IAF	HF	R	FO		208.4 (221.4T)	007.0	AA 09100	
		PEVYU	010	FACF	IF		FB				AA 09100	
		HUMTY	020	FAF	TF		FB	0.5	208.4 (221.4T)	008.3	AA 07900	
		ZIPAK	021	SDF	TF		FB	0.3	208.4 (221.4T)	006.9	AA 05700	GS 05701
		RW21L	030	MAP	TF		FO	0.3	208.4 (221.4T)	002.2	AT 05013	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		208.4 (221.4T)		AA 05500	
	DILLY	050		DF	R	FO				AA 09100	
	DILLY	060		HM	R	FO		125.9 (138.9T)	007.0	AA 09100	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	DILLY	N344942.56	W1123647.33	N3449.709	W11236.789
	HUMTY	N344632.94	W1121725.06	N3446.549	W11217.418
	PEVYU	N345248.37	W1121043.80	N3452.806	W11210.730
	ZIPAK	N344121.41	W1122256.96	N3441.357	W11222.949
	RW21L	N343943.88	W1122440.67	N3439.731	W11224.678

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW21L	04958	55

CITY AND STATE PRESCOTT, AZ	ELEVATION: 5045	TDZE: 4976	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 21L, AMDT 2A 24 JULY 2014	SUP:
	AIRPORT NAME: ERNEST A. LOVE FIELD				AMDT: 2
					DATED: 04/03/2014

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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NOTES, (CONT.):

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE PALM BEACH INTL ALTIMETER SETTING:

INCREASE LPV AND LNAV/VNAV DA TO 306; INCREASE ALL MDA 60 FT AND LNAV CATS C/D VISIBILITY 1/8 MILE AND CIRCLING CATS C/D VISIBILITY 1/4 MILE.

CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.

CHART NOTE: IN MINIMUM VISIBILITY CONDITIONS, BRIGHT LIGHTS ON HIGHWAY 1/4 MILE NORTH OF AIRPORT MAY BE MISTAKEN AS RUNWAY LIGHTS.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT MRLIN ON BR68V NORTHEAST BOUND, BR64V EASTBOUND, AND ON BR54V-55V SOUTHEAST BOUND.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON PBI VORTAC AIRWAY RADIALS 071 CW 190.

CHART PLANVIEW NOTE AT SOBPO: MAX 210 KIAS.

CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.

CITY AND STATE

BOCA RATON, FL

ELEVATION: 13

THRE: 13

AIRPORT NAME:

BOCA RATON

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) Y RWY 23, AMDT 1

24 JULY 2014

SUP: RNAV (GPS) RWY 23

AMDT: ORIG-A

DATED: 04/07/2011

RNAV STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KBCT
RUNWAY	RW23
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	Y
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W23A
LTP/FTP LATITUDE	262302.0925N
LTP/FTP LONGITUDE	0800606.4990W
LTP/FTP ELLIPSOIDAL HEIGHT	-00221
FPAP LATITUDE	262158.1700N
FPAP LONGITUDE	0800715.8300W
THRESHOLD CROSSING HEIGHT (TCH)	00055.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0952
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

<u>CRC REMAINDER</u>	7FD7E35B

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+00038
FPAP ORTHOMETRIC HEIGHT	+00038

CITY AND STATE BOCA RATON, FL	ELEVATION: 13 THRE: 13 AIRPORT NAME: BOCA RATON	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) Y RWY 23, AMDT 1 24 JULY 2014	SUP. RNAV (GPS) RWY 23
				AMDT: ORIG-A
				DATED: 04/07/2011

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KBCTK7FR23-Y	AKISEC	010KISECK7EA0EE	AR	HF		22940040		+ 02000	18000		A	JS
SUSAP	KBCTK7FR23-Y	AMRLIN	010MRLINK7EA0E	A	IF					18000		A	JS
SUSAP	KBCTK7FR23-Y	AMRLIN	020KISECK7EA0EE	B	010TF		27830107		+ 02000			A	JS
SUSAP	KBCTK7FR23-Y	APBI	010PBI	K7D	QV					18000		A	JS
SUSAP	KBCTK7FR23-Y	APBI	020SOBPOK7EA0E	A	020TF		16230067		+ 03000	210		A-JS	
SUSAP	KBCTK7FR23-Y	APBI	030KISECK7EA0EE	B	010TF		13940056		+ 02000			A	JS
SUSAP	KBCTK7FR23-Y	R	010KISECK7EA0E	I	IF				+ 02000	18000		A	JS
SUSAP	KBCTK7FR23-Y	R	020HIVURK7EA1E	F	051TF		22940061		+ 01500		RW23	K7PGA	JS
SUSAP	KBCTK7FR23-Y	R	020HIVURK7EA2	WALPV		ALNAV/VNAV	ALNAV						JS
SUSAP	KBCTK7FR23-Y	R	030RW23	K7PG0GY	M	031TF	22940045		00068	-300		A	JS
SUSAP	KBCTK7FR23-Y	R	040	0	M	CA	2294		+ 00263			A	JS
SUSAP	KBCTK7FR23-Y	R	050TANAHK7EA0E		DF							A	JS
SUSAP	KBCTK7FR23-Y	R	060ATONEK7EA0EY		010TF		2968		+ 02000			A	JS
SUSAP	KBCTK7FR23-Y	R	070ATONEK7EA0EE	L	HM		16900040		+ 02000			A	JS

[illegible]

CITY AND STATE BOCA RATON, FL	ELEVATION: 13 AIRPORT NAME: BOCA RATON	THRE: 13 RNAV	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) Y RWY 23, AMDT 1 24 JULY 2014	SUP: RNAV (GPS) RWY 23
					AMDT: ORIG-A
					DATED: 04/07/2011

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

[illegible]

SUP:	RNAV (GPS) RWY 23
AMDT:	ORIG-A
DATED:	04/07/2011

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICES - FAR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	KISEC	KISEC	010	IAF	HF	R	FO		229.4 (224.4T)	004.0	AA 02000	
	MRLIN	MRLIN	010	IAF	IF		FB					
	MRLIN	KISEC	020		TF		FB	1.0	278.3 (273.3T)	010.7	AA 02000	
	PBI	PBI	010		IF		FB					
	PBI	SOBPO	020	IAF	TF		FB	2.0	162.3 (157.3T)	006.7	AA 03000	AB 210
	PBI	KISEC	030		TF		FB	1.0	139.4 (134.4T)	005.6	AA 02000	
		KISEC	010	FACF	IF		FB				AA 02000	
		HIVUR	020	FAF	TF		FB	0.5	229.4 (224.4T)	006.1	AA 01500	
		RW23	030	MAP	TF		FO	0.3	229.4 (224.4T)	004.5	AT 00068	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		229.4 (224.4T)		AA 00263	
	TANAH	050		DF		FB					
	ATONE	060		TF		FO	1.0	296.8 (291.8T)		AA 02000	
	ATONE	070		HM	L	FO		169.0 (164.0T)	004.0	AA 02000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	PBI	N264048.19	W0800511.42	N2640.803	W08005.190
	ATONE	N262312.14	W0802123.68	N2623.202	W08021.395
	HIVUR	N262615.64	W0800236.36	N2626.261	W08002.606
	KISEC	N263039.61	W0795749.29	N2630.660	W07957.822
	MRLIN	N263003.36	W0794557.64	N2630.056	W07945.961
	SOBPO	N263436.16	W0800218.01	N2634.603	W08002.300
	TANAH	N261911.89	W0801016.18	N2619.198	W08010.270
	RW23	N262302.09	W0800606.50	N2623.035	W08006.108

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW23	00013	55

CITY AND STATE
BOCA RATON, FL

ELEVATION: 13
AIRPORT NAME: BOCA RATON
THRE: 13

FACILITY IDENTIFIER:
RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
RNAV (GPS) Y RWY 23, AMDT 1
24 JULY 2014

SUP: RNAV (GPS) RWY 23
AMDT: ORIG-A
DATED: 04/07/2011

RNAV (RNP) - STANDARD, INSTRUMENT APPROACH PROCEDURE, TITLE 14 CFR PART 97.33				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.								
US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION												
TERMINAL ROUTES				MISSED APPROACH								
FROM	TO	COURSE AND DISTANCE	ALTITUDE	RNP: DA CLIMB TO 2000 ON TRACK 229.37 TO TACUY, RIGHT TURN TO ZILKI AND ON TRACK 303.73 TO ATONE AND HOLD. ADDITIONAL FLIGHT DATA: HOLD N, LT, 169.00 INBOUND. CHART A-291A. DISTANCE TO THLD FROM 393 HATH: 1.06 NM. CHART 49 TREE 262311N / 0800557W. CHART MINIMUM 4000 AT WEMSO AND WEPOM. ROUTE TYPE: A, H ROUTE TYPE QUALIFIER 1: F ROUTE TYPE QUALIFIER 2: S #TCH: 67.6 MSL (DO NOT CHART)								
WEMSO (IF)	RANCO (TF) (FB) (RNP 1.00)	103.50 / 4.53	2900									
RANCO	XICZO (RF) (FB) (RNP 1.00)	(2.73 NM RADIUS CW (CFVVQ))/2.03	2400									
WEPOM (IF)	ZOREK (TF) (FB) (RNP 1.00)	145.79 / 3.53	3900									
ZOREK	GECER (TF) (FB) (RNP 1.00)	145.81 / 3.00	3200									
GECER	XICZO (TF) (FB) (RNP 1.00)	146.11 / 3.00	2400									
XICZO	HIVUR (RF) (FB) (RNP 1.00)	(2.73 NM RADIUS CW (CFVVQ))/3.97	1500									
HIVUR (FAF)	RW23 (MAP) (TF) (FO)	229.37 / 4.50										
(SEE FORM 8260-10)												
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. PROFILE STARTS AT XICZO 3. FAC: 229.37 FAF: _____ DIST FAF TO MAP: _____ THLD: _____ 4. MIN. ALT: XICZO 2400, HIVUR 1500 5. DIST TO THLD FROM OM: 4.50 MM: _____ IM: 150 HAT: 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 1500 GS ALT AT: HIVUR 1500 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 55.0# 34:1 IS NOT CLEAR 8. MSA FROM: RW23 2600												
				MAG VAR: 5W EPOCH YEAR: 2000								
MINIMUMS												
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE: N A								
CATEGORY =====>				STANDARD								
	A		B		C		D		E			
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
AUTHORIZATION REQUIRED												
RNP 0.30 DA	406	1 1/4	393	406	1 1/4	393	406	1 1/4	393	406	1 1/4	393
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -15C (5F) OR ABOVE 54C (130F). CHART NOTE: NIGHT LANDING: RWY 23, OPERATIONAL VGSI REQUIRED, REMAIN ON OR ABOVE VGSI GLIDEPATH UNTIL THRESHOLD. CHART NOTE: RF REQUIRED. CHART NOTE: GPS REQUIRED. (SEE FORM 8260-10)												
CITY AND STATE		ELEVATION: 13 THRE: 13		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:			SUP:			
BOCA RATON, FL		AIRPORT NAME: BOCA RATON		RNAV		RNAV (RNP) Z RWY 23, ORIG 24 JULY 2014			AMDT: NONE			
									DATED			

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (RNP) - STANDARD,
INSTRUMENT APPROACH PROCEDURE, - TITLE 14 CFR PART 97.33

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TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
RW23 (MAP)	TACUY (TF) (FB) (RNP 1.00)	229.37 / 4.42	
TACUY	ZILKI (RF) (FB) (RNP 1.00)	(3.00 NM RADIUS CW (CFBMS) / 3.89	
ZILKI	ATONE (TF) (FO) (RNP 1.00)	303.73 / 8.04	2000

NOTES, (CONT.):

CHART PLANVIEW NOTE AT WEMSO : MAX 210 KIAS.

CHART PLANVIEW NOTE AT WEPOM : MAX 210 KIAS.

CHART PLANVIEW NOTE: RADAR REQUIRED.

CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.

CHART PROFILE NOTE: SEE PLANVIEW FOR MULTIPLE IF LOCATIONS.

CITY AND STATE
 BOCA RATON, FL

ELEVATION: 13 **THRE: 13**
AIRPORT NAME:
 BOCA RATON

FACILITY IDENTIFIER:
 RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
 RNAV (RNP) Z RWY 23, ORIG
 24 JULY 2014

SUP:
AMDT: NONE
DATED:

RNAV (RNP) STANDARD INSTRUMENT APPROACH PROCEDURE

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC PACKET - 424-18 - RNAV (RNP)

[illegible][illegible][illegible][illegible]

CITY AND STATE
BOCA RATON, FL

ELEVATION: 13 THRE: 13
AIRPORT NAME: BOCA RATON

FACILITY
IDENTIFIER:
| RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
RNAV (RNP) Z RWY 23, ORIG
24 JULY 2014

SUP:	
AMDT:	NONE
DATED:	

RNAV (RNP) STANDARD INSTRUMENT APPROACH PROCEDURE

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

[illegible]

CITY AND STATE
BOCA RATON, FL

ELEVATION: 13	THRE: 13
AIRPORT NAME:	BOCA RATON

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
RNAV (RNP) Z RWY 23, ORIG
24 JULY 2014

SUP:	
AMDT:	NONE
DATED:	

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (RNP) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICES - FAR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - 424-18 - RNAV (RNP)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	WEMSO	WEMSO	010		IF		FB				AA 04000	AB 210
	WEMSO	RANCO	020		TF		FB	1.0			AA 02900	
	WEMSO	XICZO	030		RF	R	FB	1.0		002.0	AA 02400	
	WEPOM	WEPOM	010		IF		FB				AA 04000	AB 210
	WEPOM	ZOREK	020		TF		FB	1.0			AA 03900	
	WEPOM	GECER	030		TF		FB	1.0			AA 03200	
	WEPOM	XICZO	040		TF		FB	1.0			AA 02400	
		XICZO	010	FACF	IF		FB				AA 02400	
		HIVUR	020	FAF	RF	R	FB	1.0		004.0	AA 01500	
		RW23	030	MAP	TF		FO	0.3			AT 00068	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	TACUY	040		TF		FB	1.0				
	ZILKI	050		RF	R	FB	1.0		003.9		
	ATONE	060		TF		FO	1.0			AA 02000	
	ATONE	070		HM	L	FO		169.0 (164.0T)	004.0	AA 02000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	ATONE	N262312.14	W0802123.68	N2623.202	W08021.395
	CFBMS	N262157.92	W0801156.18	N2621.965	W08011.936
	CFVVQ	N262810.50	W0800446.85	N2628.175	W08004.781
	GECER	N263214.15	W0800430.73	N2632.236	W08004.512
	HIVUR	N262615.64	W0800236.36	N2626.261	W08002.606
	RANCO	N263052.95	W0800419.75	N2630.883	W08004.329
	TACUY	N261951.86	W0800932.94	N2619.864	W08009.549
	WEMSO	N263133.33	W0800919.34	N2631.556	W08009.322
	WEPOM	N263718.87	W0800907.03	N2637.315	W08009.117
	XICZO	N262953.63	W0800224.75	N2629.894	W08002.413
	ZILKI	N261919.73	W0801332.44	N2619.329	W08013.541
	ZOREK	N263434.09	W0800637.54	N2634.568	W08006.626
	RW23	N262302.09	W0800606.50	N2623.035	W08006.108

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW23	00013	55

CITY AND STATE
BOCA RATON, FL

ELEVATION: 13 THRE: 13
 AIRPORT NAME:
 BOCA RATON

FACILITY
IDENTIFIER:
 RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
 RNAV (RNP) Z RWY 23, ORIG
 24 JULY 2014

SUP:
 AMDT: NONE
 DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION LOC STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.25								Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.								
TERMINAL ROUTES										MISSED APPROACH						
FROM		TO		COURSE AND DISTANCE				ALTITUDE		MAP: 6.80 MILES AFTER ANAZE INT/I-TWJ 8.32 DME OR AT I-TWJ 1.52 DME FIX CLIMB TO 2000 DIRECT COSME LOM AND HOLD, OR AS DIRECTED BY ATC. ALTERNATE MA: CLIMB TO 500 THEN CLIMBING RIGHT TURN TO 2000 DIRECT LAL VORTAC AND HOLD. ADDITIONAL FLIGHT DATA: HOLD N, RT, 186.73 INBOUND. CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD W LAL VORTAC, RT, 101.00 INBOUND. CHART FAS OBST: 155 BLDG 275719N/0823133W CHART 189 BLDG 275301N/0823144W CHART VDP AT 2.74 DME DISTANCE VDP TO THLD 1.21 MILES. CHART IN PLANVIEW: LAL VORTAC. CHART CIRCLING ICON. CHART KMCF IN PLAN AND PROFILE VIEWS. CHART IN PLANVIEW: LAL 31.16 DME AT MUWTY. ANAZE TO RW01R: 3.50/55.						
LAL VORTAC		MUWTY INT/I-TWJ 14.33 DME		242.19 / 31.16				3000								
MUWTY INT/I-TWJ 14.33 DME (IF/IAF)		ANAZE INT/I-TWJ 8.32 DME		006.73 / 6.01 (I-TWJ)				2600								
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD S MUWTY, RT, 006.73 INBOUND, 2600 FT. IN LIEU OF PT (IAF) 3. FAC 006.73 FAF ANAZE INT/I-TWJ 8.32 DME DIST FAF TO MAP 6.80 THLD 6.80 4. MIN. ALT ANAZE 2600, ZELTO INT/I-TWJ 4.83 DME 1300 8. MSA FROM: TP NDB 2700										MAG VAR: 5W EPOCH YEAR: 2010						
MINIMUMS																
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT								ALTERNATE: N A						@		
CATEGORY =====>		A			B			C			D			E		
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	
S-01R	1300	1 1/4	1280	1300	1 1/2	1280	1300	3	1280	1300	3	1280				
CIRCLING	1300	1 1/4	1274	1300	1 1/2	1274	1300	3	1274	1300	3	1274				
ZELTO FIX MINIMUMS (DUAL VOR RECEIVERS OR DME REQUIRED)																
S-01R	460	1	440	460	1	440	460	1 3/8	440	460	1 3/8	440				
CIRCLING	560	1	534	560	1	534	680	1 3/4	654	980	3	954				
NOTES: CHART NOTE: ADF REQUIRED. @ CAT A, B 1300-2, CAT C, D 1300-3 CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT.																
CITY AND STATE TAMPA, FL		ELEVATION: 26 TDZE: 20 AIRPORT NAME: TAMPA INTL				FACILITY IDENTIFIER: I-TWJ		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: LOC RWY 1R, AMDT 4 24 JULY 2014				SUP AMDT 3 DATE 01/13/2011				

FLIGHT STANDARDS SERVICES - FAR PART 97.25

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ARINC PACKET - 424-18 - LOC

[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3		
SUSAP	KTPAK7FL01R	ALAL	010LAL	K7D 0V	IF					18000		0	NS		
SUSAP	KTPAK7FL01R	ALAL	020MUW	TYK7PC0EY	TF				+ 03000			0	NS		
SUSAP	KTPAK7FL01R	ALAL	030MUW	TYK7PC0EE	AR	HF	PIE K7	1451012330067T010D	+ 02600			0	NS		
SUSAP	KTPAK7FL01R	L	010MUW	TYK7PC0E	I	IF	ITWJK7	18670143	PI	+ 02600	18000		0	NS	
SUSAP	KTPAK7FL01R	L	020ANAZ	EK7PC0E	F	CF	ITWJK7	1867008300700060PI	+ 02600			TP	K7PN0	NS	
SUSAP	KTPAK7FL01R	L	021ZEL	TOK7PC0E	S	CF	ITWJK7	1867004800700035PI	+ 01300			-350		0	NS
SUSAP	KTPAK7FL01R	L	030RW01	RK7PG0GY	M	CF	ITWJK7	1867001500700033PI	00073			-350		0	NS
SUSAP	KTPAK7FL01R	L	040TP	K7PN0	NYM	DF			+ 02000					0	NS
SUSAP	KTPAK7FL01R	L	050TP	K7PN0	NE R	HM		1867T010	+ 02000					0	NS

[illegible][illegible]

MSA 1 2 3 4 5 6 7 8 9 0 1 2

SUP:	
AMDT:	3
DATED:	01/13/2011

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

LOC STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - FAR PART 97.25

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SUSAP KTPAK7STP K7PN 0 18018002725 M

	1	2	3	4	5	6	7	8	9	0	1	2	3
NAVAID	1234567890123456789012345678901234567890123456789012345678901234567890123456789012												

SUSAPNKTAK7 TP	K7003680H	LW	N28050719W	082313090				W0050			NARCOSME		

QUALITY
2
CHECKEDCITY AND STATE
TAMPA, FLELEVATION: 26 TDZE: 20
AIRPORT NAME:
TAMPA INTLFACILITY
IDENTIFIER:
I-TWJPROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
LOC RWY 1R, AMDT 4
24 JULY 2014

SUP:

AMDT: 3

DATED: 01/13/2011

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

LOC STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - FAR PART 97.25

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ARINC SUMMARY - 424-18 - LOC

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	LAL	LAL	010		IF		FB					
	LAL	MUWTY	020		TF		FO				AA 03000	
	LAL	MUWTY	030	IAF	HF	R	FO		006.7 ()	T01.0	AA 02600	
		MUWTY	010	FACF	IF		FB				AA 02600	
		ANAZE	020	FAF	CF		FB		007.0 ()	006.0	AA 02600	
		ZELTO	021	SDF	CF		FB		007.0 ()	003.5	AA 01300	
		RW01R	030	MAP	CF		FO		007.0 ()	003.3	AT 00073	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	TP	040		DF		FO				AA 02000	
	TP	050		HM	R	FO		186.7 ()	T01.0	AA 02000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	LAL	N275910.25	W0820050.01	N2759.171	W08200.834
	PIE	N275427.95	W0824103.51	N2754.466	W08241.059
	ITWJ (DME)	N275922.99	W0823138.43	N2759.383	W08231.641
	ANAZE	N275102.55	W0823158.27	N2751.043	W08231.971
	MUWTY	N274501.17	W0823210.52	N2745.020	W08232.175
	ZELTO	N275432.90	W0823151.12	N2754.548	W08231.852
	RW01R	N275751.52	W0823144.37	N2757.859	W08231.740
	ITWJ (LOC)	N275923.93	W0823141.22	N2759.399	W08231.687
	TP	N280507.19	W0823130.90	N2805.120	W08231.515

RUNWAY DATA	THRESHOLD	TCH
RWY	ELEVATION	
RW01R	00018	55

QUALITY
2
CHECKED

CITY AND STATE
TAMPA, FL

ELEVATION: 26
AIRPORT NAME:
TAMPA INTL

TDZE: 20

FACILITY
IDENTIFIER:
I-TWJ

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
LOC RWY 1R, AMDT 4
24 JULY 2014

SUP:
AMDT: 3
DATED: 01/13/2011

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.											
US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION															
TERMINAL ROUTES				MISSED APPROACH											
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LPV: DA LNAV/VNAV: DA LNAV: RW01R CLIMB TO 2000 DIRECT COBOX AND HOLD. ADDITIONAL FLIGHT DATA: HOLD N, RT, 186.73 INBOUND. DISTANCE TO THLD FROM 270 HAT: 0.58 NM. CHART VDP AT 1.10 MILES TO RW01R* *LNAV ONLY. WAAS CHANNEL # 87105 REFERENCE PATH ID: W01B CHART KMCF IN PLAN AND PROFILE VIEWS. LTP HAE: -19.6 M											
LAL VORTAC	MUWTY (FO)	248.19 / 31.16	3000												
MUWTY (IF/IAF)	ANAZE (FB)	006.73 / 6.01	2600												
ANAZE (FAF)	ZELTO/3.30 NM TO RW01R (FB)	006.73 / 3.50													
ZELTO/3.30 NM TO RW01R	RW01R (MAP) (FO)	006.73 / 3.30													
RW01R (MAP)	290 MSL	006.73													
290 MSL	COBOX (FO)		2000												
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF)				MAG VAR: 5W EPOCH YEAR: 2010											
2. HOLD S MUWTY, RT, 006.73 INBOUND, 2600 FT. IN LIEU OF PT (IAF)															
3. FAC: 006.73 FAF: ANAZE DIST FAF TO MAP: 6.80 THLD: 6.80															
4. MIN. ALT: MUWTY 2600, ANAZE 2600, ZELTO/3.30 NM TO RW01R 1300*															
5. DIST TO THLD FROM OM: <u> </u> MM: <u> </u> IM: <u> </u> 150 HAT: <u> </u> 100 HAT: <u> </u> GS ANT: <u> </u>															
6. MIN GS INCPT: 2600 GS ALT AT: ANAZE 2600 OM: <u> </u> MM: <u> </u> IM: <u> </u>															
7. GS ANGLE: 3.50 TCH: 55.0 34:1 IS CLEAR															
8. MSA FROM: RW01R 2700															
MINIMUMS															
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE: N A		STANDARD @									
CATEGORY >>>>>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	290	7/8	270	290	7/8	270	290	7/8	270		NA			NA	
LNAV/VNAV DA	491	1 3/8	471	491	1 3/8	471	491	1 3/8	471		NA			NA	
LNAV MDA	440	1	420	440	1	420	440	1 1/4	420	440	1 1/4	420	440	1 1/4	420
CIRCLING	560	1	534	560	1	534	680	1 3/4	654	980	3	954	980	3	954
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW 0C (32F) OR ABOVE 54C (130F). @ CAT D, E 1000-3 CHART NOTE: DME/DME RNP-0.3 NA. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON LAL VORTAC AIRWAY RADIALS 171 CW 330. CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT. (SEE FORM 8260-10)															
CITY AND STATE		ELEVATION: 26 TDZE: 20		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:					
TAMPA, FL		AIRPORT NAME:		RNAV		RNAV (GPS) RWY 1R, AMDT 3				AMDT: 2B					
		TAMPA INTL				24 JULY 2014				DATED 07/26/2012					

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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NOTES, (CONT.):

CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED WITH RWY 1L.

CHART NOTE: LNAV PROCEDURE NA DURING SIMULTANEOUS OPERATIONS.

CHART NOTE: USE OF FD OR AP PROVIDING RNAV TRACK GUIDANCE REQUIRED DURING SIMULTANEOUS OPERATIONS.

CITY AND STATE

TAMPA, FL

ELEVATION: 26

TDZE: 20

AIRPORT NAME:

TAMPA INTL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 1R, AMDT 3

24 JULY 2014

SUP:

AMDT: 2B

DATED: 07/26/2012

**RNAV STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33**

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FAS DATA BLOCK INFORMATION**DATA FIELD****DATA**

OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KTPA
RUNWAY	RW01R
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W01B
LTP/FTP LATITUDE	275751.5170N
LTP/FTP LONGITUDE	0823144.3685W
LTP/FTP ELLIPSOIDAL HEIGHT	-00196
FPAP LATITUDE	275920.8180N
FPAP LONGITUDE	0823141.3295W
THRESHOLD CROSSING HEIGHT (TCH)	00055.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.50
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0224
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER

9F1B9B75

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+00053
FPAP ORTHOMETRIC HEIGHT	+00053

CITY AND STATE

TAMPA, FL

ELEVATION: 26

TDZE: 20

AIRPORT NAME:

TAMPA INTL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 1R, AMDT 3

24 JULY 2014

SUP:

AMDT:

2B

DATED:

07/26/2012

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KTPAK7FR01R	ALAL	010LAL	K7D	0V	IF				18000		A	JS
SUSAP	KTPAK7FR01R	ALAL	020MUWTKYK7EA0EY	020	TF		24820312	+	03000			A	JS
SUSAP	KTPAK7FR01R	ALAL	030MUWTKYK7EA0EE	AR	HF		00670070	+	02600			A	JS
SUSAP	KTPAK7FR01R	R	010MUWTKYK7EA0E	I	IF			+	02600	18000		A	JS
SUSAP	KTPAK7FR01R	R	020ANAZEK7EA1E	F	051TF		00670060	+	02600		RW01R	K7PGA	JS
SUSAP	KTPAK7FR01R	R	020ANAZEK7EA2WALPV			ALNAV/VNAV	ALNAV					JS	
SUSAP	KTPAK7FR01R	R	021ZELTOK7EA0E	S	031TF		00670035	V	0130001310		-350	A	JS
SUSAP	KTPAK7FR01R	R	030RW01RK7PG0GY	M	031TF		00670033		00073		-350	A	JS
SUSAP	KTPAK7FR01R	R	040		0 M	CA	0067	+	00290			A	JS
SUSAP	KTPAK7FR01R	R	050COBOXK7EA0EY		DF			+	02000			A	JS
SUSAP	KTPAK7FR01R	R	060COBOXK7EA0EE	R	HM		18670060	+	02000			A	JS

[illegible][illegible]

CITY AND STATE TAMPA, FL	ELEVATION: 26	TDZE: 20	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME: TAMPA INTL		RNAV	RNAV (GPS) RWY 1R, AMDT 3 24 JULY 2014	AMDT: 2B
					DATED: 07/26/2012

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICES - FAR PART 97.33

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	1	2	3	4	5	6	7	8	9	0	1	2	3
MSA	1	2	3	4	5	6	7	8	9	0	1	2	3
	2	3	4	5	6	7	8	9	0	1	2	3	4
	3	4	5	6	7	8	9	0	1	2	3	4	5
	4	5	6	7	8	9	0	1	2	3	4	5	6
	5	6	7	8	9	0	1	2	3	4	5	6	7
	6	7	8	9	0	1	2	3	4	5	6	7	8
	7	8	9	0	1	2	3	4	5	6	7	8	9
	8	9	0	1	2	3	4	5	6	7	8	9	0
	9	0	1	2	3	4	5	6	7	8	9	0	1
	0	1	2	3	4	5	6	7	8	9	0	1	2
	1	2	3	4	5	6	7	8	9	0	1	2	3
	2	3	4	5	6	7	8	9	0	1	2	3	4
	3	4	5	6	7	8	9	0	1	2	3	4	5
	4	5	6	7	8	9	0	1	2	3	4	5	6
	5	6	7	8	9	0	1	2	3	4	5	6	7
	6	7	8	9	0	1	2	3	4	5	6	7	8
	7	8	9	0	1	2	3	4	5	6	7	8	9
	8	9	0	1	2	3	4	5	6	7	8	9	0
	9	0	1	2	3	4	5	6	7	8	9	0	1
	0	1	2	3	4	5	6	7	8	9	0	1	2
	1	2	3	4	5	6	7	8	9	0	1	2	3
	2	3	4	5	6	7	8	9	0	1	2	3	4
	3	4	5	6	7	8	9	0	1	2	3	4	5
	4	5	6	7	8	9	0	1	2	3	4	5	6
	5	6	7	8	9	0	1	2	3	4	5	6	7
	6	7	8	9	0	1	2	3	4	5	6	7	8
	7	8	9	0	1	2	3	4	5	6	7	8	9
	8	9	0	1	2	3	4	5	6	7	8	9	0
	9	0	1	2	3	4	5	6	7	8	9	0	1
	0	1	2	3	4	5	6	7	8	9	0	1	2
	1	2	3	4	5	6	7	8	9	0	1	2	3
	2	3	4	5	6	7	8	9	0	1	2	3	4
	3	4	5	6	7	8	9	0	1	2	3	4	5
	4	5	6	7	8	9	0	1	2	3	4	5	6
	5	6	7	8	9	0	1	2	3	4	5	6	7
	6	7	8	9	0	1	2	3	4	5	6	7	8
	7	8	9	0	1	2	3	4	5	6	7	8	9
	8	9	0	1	2	3	4	5	6	7	8	9	0
	9	0	1	2	3	4	5	6	7	8	9	0	1
	0	1	2	3	4	5	6	7	8	9	0	1	2
	1	2	3	4	5	6	7	8	9	0	1	2	3
	2	3	4	5	6	7	8	9	0	1	2	3	4
	3	4	5	6	7	8	9	0	1	2	3	4	5
	4	5	6	7	8	9	0	1	2	3	4	5	6
	5	6	7	8	9	0	1	2	3	4	5	6	7
	6	7	8	9	0	1	2	3	4	5	6	7	8
	7	8	9	0	1	2	3	4	5	6	7	8	9
	8	9	0	1	2	3	4	5	6	7	8	9	0
	9	0	1	2	3	4	5	6	7	8	9	0	1
	0	1	2	3	4	5	6	7	8	9	0	1	2
	1	2	3	4	5	6	7	8	9	0	1	2	3
	2	3	4	5	6	7	8	9	0	1	2	3	4
	3	4	5	6	7	8	9	0	1	2	3	4	5
	4	5	6	7	8	9	0	1	2	3	4	5	6
	5	6	7	8	9	0	1	2	3	4	5	6	7
	6	7	8	9	0	1	2	3	4	5	6	7	8
	7	8	9	0	1	2	3	4	5	6	7	8	9
	8	9	0	1	2	3	4	5	6	7	8	9	0
	9	0	1	2	3	4	5	6	7	8	9	0	1
	0	1	2	3	4	5	6	7	8	9	0	1	2
	1	2	3	4	5	6	7	8	9	0	1	2	3
	2	3	4	5	6	7	8	9	0	1	2	3	4
	3	4	5	6	7	8	9	0	1	2	3	4	5
	4	5	6	7	8	9	0	1	2	3	4	5	6
	5	6	7	8	9	0	1	2	3	4	5	6	7
	6	7	8	9	0	1	2	3	4	5	6	7	8
	7	8	9	0	1	2	3	4	5	6	7	8	9
	8	9	0	1	2	3	4	5	6	7	8	9	0
	9	0	1	2	3	4	5	6	7	8	9	0	1
	0	1	2	3	4	5	6	7	8	9	0	1	2
	1	2	3	4	5	6	7	8	9	0	1	2	3
	2	3	4	5	6	7	8	9	0	1	2	3	4
	3	4	5	6	7	8	9	0	1	2	3	4	5
	4	5	6	7	8	9	0	1	2	3	4	5	6
	5	6	7	8	9	0	1	2	3	4	5	6	7
	6	7	8	9	0	1	2	3	4	5	6	7	8
	7	8	9	0	1	2	3	4	5	6	7	8	9
	8	9	0	1	2	3	4	5	6	7	8	9	0
	9	0	1	2	3	4	5	6	7	8	9	0	1
	0	1	2	3	4	5	6	7	8	9	0	1	2
	1	2	3	4	5	6	7	8	9	0	1	2	3
	2	3	4	5	6	7	8	9	0	1	2	3	4
	3	4	5	6	7	8	9	0	1	2	3	4	5
	4	5	6	7	8	9	0	1	2	3	4	5	6
	5	6	7	8	9	0	1	2	3	4	5	6	7
	6	7	8	9	0	1	2	3	4	5	6	7	8
	7	8	9	0	1	2	3	4	5	6	7	8	9
	8	9	0	1	2	3	4	5	6	7	8	9	0
	9	0	1	2	3	4	5	6	7	8	9	0	1
	0	1	2	3	4	5	6	7	8	9	0	1	2
	1	2	3	4	5	6	7	8	9	0	1	2	3
	2	3	4	5	6	7	8	9	0	1	2	3	4
	3	4	5	6	7	8	9	0	1	2	3	4	5
	4	5	6	7	8	9	0	1	2	3	4	5	6
	5	6	7	8	9	0	1	2	3	4	5	6	7
	6	7	8	9	0	1	2	3	4	5	6	7	8
	7	8	9	0	1	2	3	4	5	6	7	8	9
	8	9	0	1	2	3	4	5	6	7	8	9	0
	9	0	1	2	3	4	5	6	7	8	9	0	1
	0	1	2	3	4	5	6	7	8	9	0	1	2
	1	2	3	4	5	6	7	8	9	0	1	2	3
	2	3	4	5	6	7	8	9	0	1	2	3	4
	3	4	5	6	7	8	9	0	1	2	3	4	5
	4	5	6	7	8	9	0	1	2	3	4	5	6
	5	6	7	8	9	0	1	2	3	4	5	6	7
	6	7	8	9	0	1	2	3	4	5	6	7	8
	7	8	9	0	1	2	3	4	5	6	7	8	9
	8	9	0	1	2	3	4	5	6	7	8	9	0
	9	0	1	2	3	4	5	6	7	8	9	0	1
	0	1	2	3	4	5	6	7	8	9	0	1	2
	1	2	3	4	5	6	7	8	9	0	1	2	3
	2	3	4	5	6	7	8	9	0	1	2	3	4
	3	4	5	6	7	8	9	0	1	2	3	4	5
	4	5	6	7	8	9	0	1	2	3	4	5	6
	5	6	7	8	9	0	1	2	3	4	5	6	7
	6	7	8	9	0	1	2	3	4	5	6	7	8
	7	8	9	0	1	2	3	4	5	6	7	8	9
	8	9	0	1	2	3	4	5	6	7	8	9	0
	9	0	1	2	3	4	5	6	7	8	9	0	1
	0	1	2	3	4	5	6	7	8	9	0	1	2
	1	2	3	4	5	6	7	8	9	0	1	2	3
	2	3	4	5	6	7	8	9	0	1	2	3	4
	3	4	5	6	7	8	9	0	1	2	3	4	5
	4	5	6	7	8	9	0	1	2	3	4	5	6
	5	6	7	8	9	0	1	2	3	4	5	6	7
	6	7	8	9	0	1	2	3	4	5	6	7	8
	7	8	9	0	1	2	3	4	5	6	7	8	9
	8	9	0	1	2	3	4	5	6	7	8	9	0
	9	0	1	2	3	4	5	6	7	8	9	0	1
	0	1	2	3	4	5	6	7	8	9	0	1	2
	1	2	3	4	5	6	7	8	9	0	1	2	3
	2	3	4	5	6	7	8	9	0	1	2	3	4
	3	4	5	6	7	8	9	0	1	2	3	4	5
	4	5	6	7	8	9	0	1	2	3	4	5	6
	5	6	7	8	9	0	1	2	3	4	5	6	7
	6	7	8	9	0	1	2	3	4	5	6	7	8
	7	8	9	0	1	2	3	4	5	6	7	8	9
	8	9	0	1	2	3	4	5	6	7	8	9	0
	9	0	1	2	3	4	5	6	7	8	9	0	1
	0	1	2	3	4	5	6	7	8	9	0	1	2
	1	2											

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICES - FAR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	LAL	LAL	010		IF		FB					
	LAL	MUWTY	020		TF		FO	2.0	248.2 (243.2T)	031.2	AA 03000	
	LAL	MUWTY	030	IAF	HF	R	FO		006.7 (001.7T)	007.0	AA 02600	
		MUWTY	010	FACF	IF		FB				AA 02600	
		ANAZE	020	FAF	TF		FB	0.5	006.7 (001.7T)	006.0	AA 02600	
		ZELTO	021	SDF	TF		FB	0.3	006.7 (001.7T)	003.5	AA 01300 GS 01310	
		RW01R	030	MAP	TF		FO	0.3	006.7 (001.7T)	003.3	AT 00073	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		006.7 (001.7T)		AA 00290	
	COBOX	050		DF		FO				AA 02000	
	COBOX	060		HM	R	FO		186.7 (181.7T)	006.0	AA 02000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	LAL	N275910.25	W0820050.01	N2759.171	W08200.834
	ANAZE	N275102.55	W0823158.27	N2751.043	W08231.971
	COBOX	N281321.55	W0823112.66	N2813.359	W08231.211
	MUWTY	N274501.17	W0823210.52	N2745.020	W08232.175
	ZELTO	N275432.90	W0823151.12	N2754.548	W08231.852
	RW01R	N275751.52	W0823144.37	N2757.859	W08231.740

RUNWAY DATA	THRESHOLD	TCH
RWY	ELEVATION	
RW01R	00018	55

CITY AND STATE TAMPA, FL	ELEVATION: 26	TDZE: 20	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 1R, AMDT 3 24 JULY 2014	SUP:
	AIRPORT NAME: TAMPA INTL				AMDT: 2B
					DATED: 07/26/2012

PAGE 1 OF 1 PAGES

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION		ILS - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.29		Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.											
TERMINAL ROUTES				MISSED APPROACH											
FROM	TO	COURSE AND DISTANCE	ALTITUDE	ILS: DA LOC: I-HKH 0.18 DME FIX CLIMB TO 1100 THEN CLIMBING RIGHT TURN TO 2100 ON HEADING 230 AND ON EON VORTAC R-001 UNTIL CROSSING IGECY INT/EON 19.95 DME THEN CLIMB TO 2600 TO EON VORTAC AND HOLD, OR AS DIRECTED BY ATC. ALTERNATE MA: CLIMB TO 1100 THEN CLIMBING RIGHT TURN TO 2300 DIRECT CGT VORTAC AND HOLD. ADDITIONAL FLIGHT DATA: HOLD N, RT, 181.00 INBOUND. CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD SW CGT VORTAC, RT, 043.93 INBOUND. CHART FAS OBST: 740 POLE 414608N/0874605W CHART: 778 TANK 414423N/0874745W CHART IN PLANVIEW: CGT VORTAC. CHART CIRCLING ICON. CHART MANDATORY 2100 AT IGECY.											
BANER INT/14.17 DME/RADAR (IAF)	CADON INT/10.77 DME/RADAR	047.48 / 3.40 (I-HKH)	4000												
CADON INT/10.77 DME/RADAR (IF)	CITGO/5.61 DME	047.48 / 5.16 (I-HKH)	2400												
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. PROFILE STARTS AT BANER INT/14.17 DME/RADAR 3. FAC: <u>047.48</u> FAF: <u>CITGO/5.61 DME</u> DIST FAF TO MAP: <u> </u> THLD: <u>5.44</u> 4. MIN. ALT: BANER 5000, CADON 4000, CITGO 2400, OLOXE/2.67 DME 1460* 5. DIST TO THLD FROM OM: <u> </u> MM: <u> </u> IM: <u> </u> 150 HAT: <u> </u> 100 HAT: <u> </u> GS ANT: <u>1033</u> 6. MIN GS INCPT: <u>2400</u> GS ALT AT: <u>CITGO 2400</u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u>3.00</u> TCH: <u>49.8</u> 8. MSA FROM: CGT VORTAC 090-270 2800, 270-090 3400				MAG VAR: 4W EPOCH YEAR: 2015											
MINIMUMS															
TAKEOFF: <u>SEE FAA FORM 8260-15A FOR THIS AIRPORT</u>				ALTERNATE: <u>N A</u>		ILS: STANDARD # <u> </u>		LOC: STANDARD @ <u> </u>							
CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
S-ILS 04R	869	4000	250	869	4000	250	869	5000	250	869	5000	250			
S-LOC 04R	1000	5500	381	1000	5500	381	1000	6000	381	1000	6000	381			
CIRCLING	1120	1	500	1120	1	500	1340	2	720	1340	2 1/4	720			
NOTES: CHART PLANVIEW NOTE: RADAR REQUIRED. CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT. *LOC ONLY CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW RVR 4000 NOT AUTHORIZED. (SEE FORM 8260-10)															
CITY AND STATE CHICAGO, IL		ELEVATION: 620 TDZE: 619 AIRPORT NAME: CHICAGO MIDWAY INTL		FACILITY IDENTIFIER: I-HKH		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC/DME RWY 4R, AMDT 1C 24 JULY 2014				SUP: AMDT: 1B DATED 08/22/2013					

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.29

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

NOTES, (CONT.):

CHART NOTE: NIGHT LANDING: RWY 31R NA, RWY 4R CAT C AND D OPERATIONAL VGSI REQUIRED, REMAIN ON OR ABOVE VGSI GLIDEPATH UNTIL THRESHOLD.

CITY AND STATE

CHICAGO, IL

ELEVATION: 620

TDZE: 619

AIRPORT NAME:

CHICAGO MIDWAY INTL

FACILITY
IDENTIFIER:

I-HKH

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

ILS OR LOC/DME RWY 4R, AMDT 1C

24 JULY 2014

SUP:

AMDT:

1B

DATED:

08/22/2013

FLIGHT STANDARDS SERVICES - FAR PART 97.29

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

SUSAD	CGT	K5011420VTL	N41303602W087341757	N41303602W087341757E0020006341	NARCHICAGO HEIGHTS
SUSAD	EON	K5011320VTL	N41161068W087472779	N41161068W087472779E0020006891	NARPEOTONE
SUSAD	KMDWK5	IHKH	K5011150 IT	IHKHN41465891W087452335 006120	NARCHICAGO MIDWAY INTL

SUSAP KMDWK5AMDW	0	065YHN41470950W087450870W004000620	1800018000C	MNAR	CHICAGO MIDWAY INTL

SUSAP	KMDWK5CBANER	K50	C	N41363818W087581939	W0035	NAR	BANER
SUSAP	KMDWK5CCADON	K50	C	N41390658W087551263	W0035	NAR	CADON
SUSAP	KMDWK5CCITGO	K50	C	N41425182W087502852	W0036	NAR	CITGO
SUSAP	KMDWK5CIGECY	K50	C	N41360687W087460424	W0036	NAR	IGECY

SUSAP	KMDWK5FI04R	ABANER	010BANERK5PCOE	A	IF			+	05000	18000		0	NS	
SUSAP	KMDWK5FI04R	ABANER	020CADONK5PCOE	B	CF	IHKHK5	2275011604750034PI	+	04000			0	NS	
SUSAP	KMDWK5FI04R	I	010CADONK5PCOE	I	IF	IHKHK5	22750116	PI	J	040000240018000		0	NS	
SUSAP	KMDWK5FI04R	I	020CITGOK5PCOE	F	CF	IHKHK5	2275006504700052PI	H	0240002400		-300CGT	K5D	0	NS
SUSAP	KMDWK5FI04R	I	030RW04RK5PGOGY	M	CF	IHKHK5	2275001004700054PI		00669		-300		0	NS
SUSAP	KMDWK5FI04R	I	040	0	M	CA	0475	+	01100				0	NS
SUSAP	KMDWK5FI04R	I	050	0	R	VIY	2300						0	NS
SUSAP	KMDWK5FI04R	I	060IGECYK5PCOE		CF	EON K5	0010020018100080D		02100				0	NS
SUSAP	KMDWK5FI04R	I	070EON	K5D	OVY	TF		+	02600				0	NS
SUSAP	KMDWK5FI04R	I	080EON	K5D	OVE	HM	1810T010	+	02600				0	NS

SUSAP KMDWK5GRW04R 0064450475 N41464870W087452885-0200 +0155300619051850150IHKH1

SUSAP KMDWK5IIHKH1 011150RW04RN41473334W0874432290475N41465905W0874523620300 10330600300W00405000612

QUALITY
45889012
2
CHECKED

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U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - FAR PART 97.29

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

MSA 1 2 3 4 5 6 7 8 9 0 1 2 3
12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012

SUSAP KMDWK5SCGT K5D 0 0902700342527009002825 M

QUALITY
2
CHECKED

CITY AND STATE
CHICAGO, IL

ELEVATION: 620 TDZE: 619
AIRPORT NAME:
CHICAGO MIDWAY INTL

FACILITY
IDENTIFIER:
I-HKH

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
ILS OR LOC/DME RWY 4R, AMDT 1C
24 JULY 2014

SUP:

AMDT: 1B

DATED: 08/22/2013

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - FAR PART 97.29

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - 424-18 - ILS

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	BANER	BANER	010	IAF	IF		FB				AA 05000	
	BANER	CADON	020		CF		FB		047.5 ()	003.4	AA 04000	
		CADON	010	FACF	IF		FB				AA 04000 GI 02400	
		CITGO	020	FAF	CF		FB		047.0 ()	005.2	GI 02400 GS 02400	
		RW04R	030	MAP	CF		FO		047.0 ()	005.4	AT 00669	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		047.5 ()		AA 01100	
		050		VI	R	FB		230.0 ()			
	IGECY	060		CF		FB		181.0 ()	008.0	AT 02100	
	EON	070		TF		FO				AA 02600	
	EON	080		HM	R	FO		181.0 ()	T01.0	AA 02600	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CGT	N413036.02	W0873417.57	N4130.600	W08734.293
	EON	N411610.68	W0874727.79	N4116.178	W08747.463
	IHKH (DME)	N414658.91	W0874523.35	N4146.982	W08745.389
	BANER	N413638.18	W0875819.39	N4136.636	W08758.323
	CADON	N413906.58	W0875512.63	N4139.110	W08755.211
	CITGO	N414251.82	W0875028.52	N4142.864	W08750.475
	IGECY	N413606.87	W0874604.24	N4136.115	W08746.071
	RW04R	N414648.70	W0874528.85	N4146.812	W08745.481
	IHKH (LOC)	N414733.34	W0874432.29	N4147.556	W08744.538

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW04R	00619	50

CITY AND STATE
CHICAGO, ILELEVATION: 620 TDZE: 619
AIRPORT NAME:
CHICAGO MIDWAY INTLFACILITY
IDENTIFIER:
I-HKHPROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
ILS OR LOC/DME RWY 4R, AMDT 1C
24 JULY 2014

SUP:

AMDT: 1B

DATED: 08/22/2013

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

LOC STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - FAR PART 97.25

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC PACKET - 424-18 - LOC

1 2 3 4 5 6 7 8 9 0 1 2 3
NAVAID 1234567890123456789012345678901234567890123456789012345678901234567890123456789012

SUSAD CGT K5011420VTL N41303602W087341757 N41303602W087341757E0020006341 NARCHICAGO HEIGHTS
SUSAD EON K5011320VTL N41161068W087472779 N41161068W087472779E0020006891 NARPEOTONE
SUSAD KMDWK5 IHKH K5011150 IT IHKHN41465891W087452335 006120 NARCHICAGO MIDWAY INTL

1 2 3 4 5 6 7 8 9 0 1 2 3
AIRPORT 1234567890123456789012345678901234567890123456789012345678901234567890123456789012

SUSAP KMDWK5AMDW 0 065YHN41470950W087450870W004000620 1800018000C MNAR CHICAGO MIDWAY INTL

1 2 3 4 5 6 7 8 9 0 1 2 3
TRM WP 1234567890123456789012345678901234567890123456789012345678901234567890123456789012

SUSAP KMDWK5CBANER K50 C N41363818W087581939 W0035 NAR BANER
SUSAP KMDWK5CCADON K50 C N41390658W087551263 W0035 NAR CADON
SUSAP KMDWK5CCITGO K50 C N41425182W087502852 W0036 NAR CITGO
SUSAP KMDWK5CIGECY K50 C N41360687W087460424 W0036 NAR IGENCY
SUSAP KMDWK5COLOXE K50 C N41445978W087474674 W0036 NAR OLOXE

1 2 3 4 5 6 7 8 9 0 1 2 3
SEGMENT 1234567890123456789012345678901234567890123456789012345678901234567890123456789012

SUSAP KMDWK5FL04R ABANER 010BANERK5PC0E A IF + 05000 18000 0 DS
SUSAP KMDWK5FL04R ABANER 020CADONK5PC0E B CF IHKHK5 2275011604750034PI + 04000 0 DS
SUSAP KMDWK5FL04R L 010CADONK5PC0E I IF IHKHK5 22750116 PI + 04000 18000 0 DS
SUSAP KMDWK5FL04R L 020CITGOK5PC0E F CF IHKHK5 2275006504700052PI + 02400 CGT K5D 0 DS
SUSAP KMDWK5FL04R L 021OLOXEK5PC0E S CF IHKHK5 2275003504700029PI + 01460 -301 0 DS
SUSAP KMDWK5FL04R L 030RW04RK5PG0GY M CF IHKHK5 2275001004700025PI 00669 -301 0 DS
SUSAP KMDWK5FL04R L 040 0 M CA 0475 + 01100 0 DS
SUSAP KMDWK5FL04R L 050 0 R VIY 2300 0 DS
SUSAP KMDWK5FL04R L 060IGECYK5PC0E CF EON K5 0010020018100080D 02100 0 DS
SUSAP KMDWK5FL04R L 070EON K5D 0VY TF + 02600 0 DS
SUSAP KMDWK5FL04R L 080EON K5D 0VE R HM 1810T010 + 02600 0 DS

1 2 3 4 5 6 7 8 9 0 1 2 3
RUNWAY 1234567890123456789012345678901234567890123456789012345678901234567890123456789012

SUSAP KMDWK5GRW04R 0064450475 N41464870W087452885-0200 +01553006190518501501IHKH1

1 2 3 4 5 6 7 8 9 0 1 2 3
ILS 1234567890123456789012345678901234567890123456789012345678901234567890123456789012

CITY AND STATE
CHICAGO, IL

ELEVATION: 620 TDZE: 619
AIRPORT NAME:
CHICAGO MIDWAY INTL

FACILITY
IDENTIFIER:
I-HKH

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
ILS OR LOC/DME RWY 4R, AMDT 1C
24 JULY 2014

SUP:
AMDT: 1B
DATED: 08/22/2013

FLIGHT STANDARDS SERVICES - FAR PART 97.25

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

SUSAP KMDWK5IIHKH1 011150RW04RN41473334W0874432290475N41465905W0874523620300 10330600300W00405000612

[illegible]

SUP:	
AMDT:	1B
DATED:	08/22/2013

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

LOC STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - FAR PART 97.25

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - 424-18 - LOC

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	BANER	BANER	010	IAF	IF		FB				AA 05000	
	BANER	CADON	020		CF		FB		047.5 ()	003.4	AA 04000	
		CADON	010	FACF	IF		FB				AA 04000	
		CITGO	020	FAF	CF		FB		047.0 ()	005.2	AA 02400	
		OLOXE	021	SDF	CF		FB		047.0 ()	002.9	AA 01460	
		RW04R	030	MAP	CF		FO		047.0 ()	002.5	AT 00669	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		047.5 ()		AA 01100	
		050		VI	R	FB		230.0 ()			
	IGECY	060		CF		FB		181.0 ()	008.0	AT 02100	
	EON	070		TF		FO				AA 02600	
	EON	080		HM	R	FO		181.0 ()	T01.0	AA 02600	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CGT	N413036.02	W0873417.57	N4130.600	W08734.293
	EON	N411610.68	W0874727.79	N4116.178	W08747.463
	IHKH (DME)	N414658.91	W0874523.35	N4146.982	W08745.389
	BANER	N413638.18	W0875819.39	N4136.636	W08758.323
	CADON	N413906.58	W0875512.63	N4139.110	W08755.211
	CITGO	N414251.82	W0875028.52	N4142.864	W08750.475
	IGECY	N413606.87	W0874604.24	N4136.115	W08746.071
	OLOXE	N414459.78	W0874746.74	N4144.996	W08747.779
	RW04R	N414648.70	W0874528.85	N4146.812	W08745.481
	IHKH (LOC)	N414733.34	W0874432.29	N4147.556	W08744.538

RUNWAY DATA	THRESHOLD	TCH
RWY	ELEVATION	
RW04R	00619	50

CITY AND STATE
CHICAGO, ILELEVATION: 620 TDZE: 619
AIRPORT NAME:
CHICAGO MIDWAY INTLFACILITY
IDENTIFIER:
I-HKHPROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
ILS OR LOC/DME RWY 4R, AMDT 1C
24 JULY 2014SUP:
AMDT: 1B
DATED: 08/22/2013

ILS - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.29		Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.	
US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION			
TERMINAL ROUTES		MISSED APPROACH	
FROM DPA VOR/DME (IAF) HEBKU INT/I-MDW 10.10 DME (IF)	TO HEBKU INT/I-MDW 10.10 DME HITOB/I-MDW 4.09 DME	COURSE AND DISTANCE 084.78 / 19.10 (I-MDW) 137.55 / 6.00 (I-MDW)	ALTITUDE 2600 2000
		ILS: DA LOC: I-MDW 0.12 DME FIX	
		CLIMB TO 1100 THEN CLIMBING RIGHT TURN TO 2100 ON HEADING 280 AND ON EON VORTAC R-001 UNTIL CROSSING IGECY INT/EON 19.95 DME, THEN CLIMB TO 2600 TO EON VORTAC AND HOLD.	
		ADDITIONAL FLIGHT DATA: HOLD N, RT, 181.00 INBOUND. CHART FAS OBST: 757 T-L TWR 414831N/0874655W CHART CIRCLING ICON. CHART IN PROFILE VIEW: I-MDW DME ANTENNA CHART MANDATORY 2100 AT IGECY.	
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF)			
2. PROFILE STARTS AT HEBKU INT/I-MDW 10.10 DME			
3. FAC: <u>137.55</u> FAF: HITOB/I-MDW 4.09 DME DIST FAF TO MAP: <u> </u> THLD: <u>4.17</u>			
4. MIN. ALT: HEBKU 2600, HITOB 2000			
5. DIST TO THLD FROM OM: <u> </u> - <u> </u> MM: <u> </u> - <u> </u> IM: <u> </u> 150 HAT: <u> </u> - 100 HAT: <u> </u> - GS ANT: 871			
6. MIN GS INCPT: 2000 GS ALT AT: HITOB 2000 OM: <u> </u> - <u> </u> MM: <u> </u> - <u> </u> IM: <u> </u>			
7. GS ANGLE: <u>3.00</u> TCH: 45.9			
8. MSA FROM: CGT VORTAC 090-270 2800, 270-090 3400			
		MAG VAR: 4W EPOCH YEAR: 2015	
MINIMUMS			
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT		ALTERNATE: N A ILS: STANDARD # LOC: STANDARD @	
CATEGORY =====>	A		B
DH/MDA	VIS	HAT/HAA	DH/MDA
VIS	HAT/HAA	DH/MDA	VIS
HAT/HAA	DH/MDA	VIS	HAT/HAA
DH/MDA	VIS	HAT/HAA	DH/MDA
VIS	HAT/HAA	DH/MDA	VIS
HAT/HAA	DH/MDA	VIS	HAT/HAA
DH/MDA	VIS	HAT/HAA	DH/MDA
VIS	HAT/HAA	DH/MDA	VIS
HAT/HAA	DH/MDA	VIS	HAT/HAA
DH/MDA	VIS	HAT/HAA	DH/MDA
VIS	HAT/HAA	DH/MDA	VIS
HAT/HAA	DH/MDA	VIS	HAT/HAA
DH/MDA	VIS	HAT/HAA	DH/MDA
VIS	HAT/HAA	DH/MDA	VIS
HAT/HAA	DH/MDA	VIS	HAT/HAA
DH/MDA	VIS	HAT/HAA	DH/MDA
VIS	HAT/HAA	DH/MDA	VIS
HAT/HAA	DH/MDA	VIS	HAT/HAA
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VIS	HAT/HAA	DH/MDA	VIS
HAT/HAA	DH/MDA	VIS	HAT/HAA
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HAT/HAA	DH/MDA	VIS	HAT/HAA
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VIS	HAT/HAA	DH/MDA	VIS
HAT/HAA	DH/MDA	VIS	HAT/HAA
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VIS	HAT/HAA	DH/MDA	VIS
HAT/HAA	DH/MDA	VIS	HAT/HAA
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VIS	HAT/HAA	DH/MDA	VIS
HAT/HAA	DH/MDA	VIS	HAT/HAA
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HAT/HAA	DH/MDA	VIS	HAT/HAA
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DH/MDA	VIS	HAT/HAA	DH/MDA
VIS	HAT/HAA	DH/MDA	VIS
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VIS	HAT/HAA	DH/MDA	VIS
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VIS	HAT/HAA	DH/MDA	VIS
HAT/HAA	DH/MDA	VIS	HAT/HAA
DH/MDA	VIS	HAT/HAA	DH/MDA
VIS	HAT/HAA	DH/MDA	VIS
HAT/HAA	DH/MDA	VIS	HAT/HAA
DH/MDA	VIS	HAT/HAA	DH/MDA
VIS	HAT/HAA	DH/MDA	VIS
HAT/HAA	DH/MDA	VIS	HAT/HAA
DH/MDA	VIS	HAT/HAA	DH/MDA
VIS	HAT/HAA	DH/MDA	VIS
HAT/HAA	DH/MDA	VIS	HAT/HAA
DH/MDA	VIS	HAT/HAA	DH/MDA
VIS	HAT/HAA	DH/MDA	VIS
HAT/HAA	DH/MDA	VIS	HAT/HAA
DH/MDA	VIS	HAT/HAA	DH/MDA
VIS	HAT/HAA	DH/MDA	VIS
HAT/HAA	DH/MDA	VIS	HAT/HAA
DH/MDA	VIS	HAT/HAA	DH/MDA
VIS	HAT/HAA	DH/MDA	VIS
HAT/HAA	DH/MDA	VIS	HAT/HAA
DH/MDA	VIS	HAT/HAA	DH/MDA
VIS	HAT/HAA	DH/MDA	VIS
HAT/HAA	DH/MDA	VIS	HAT/HAA
DH/MDA			

FLIGHT STANDARDS SERVICES - FAR PART 97.29

Page 2 of 7 Pages

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - FAR PART 97.29

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

MSA 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012

SUSAP KMDWK5SCGT K5D 0 0902700342527009002825 M

QUALITY
2
CHECKED

CITY AND STATE CHICAGO, IL	ELEVATION: 620	TDZE: 611	FACILITY IDENTIFIER: I-MDW	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: ILS OR LOC/DME RWY 13C, ORIG-D 24 JULY 2014	SUP:
	AIRPORT NAME: CHICAGO MIDWAY INTL	AMDT: ORIG-C			
	DATED: 08/22/2013				

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - FAR PART 97.29

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - 424-18 - ILS

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	DPA	DPA	010	IAF	FC		FB		084.8()	017.1	AA 02600	
	DPA	HEBKU	020		CF		FB		084.8()	002.0	AA 02600	
		HEBKU	010	FACF	IF		FB				AA 02600 GI 02000	
		HITOB	020	FAF	CF		FB		138.0()	006.0	GI 02000 GS 02000	
		RW13C	030	MAP	CF		FO		138.0()	004.2	AT 00654	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		137.6()		AA 01100	
		050		VI	R	FB		280.0()			
	IGECY	060		CF	L	FB		181.0()	008.0	AT 02100	
	EON	070		TF		FO				AA 02600	
	EON	080		HM	R	FO		181.0()	T01.0	AA 02600	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CGT	N413036.02	W0873417.57	N4130.600	W08734.293
	DPA	N415325.31	W0882100.62	N4153.422	W08821.010
	EON	N411610.68	W0874727.79	N4116.178	W08747.463
	HEBKU	N415426.96	W0875528.06	N4154.449	W08755.468
	HITOB	N415019.09	W0874938.29	N4150.318	W08749.638
	IGECY	N413606.87	W0874604.24	N4136.115	W08746.071
	RW13C	N414726.51	W0874535.42	N4147.442	W08745.590
	IMDW (LOC)	N414643.58	W0874435.10	N4146.726	W08744.585

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW13C	00608	46

QUALITY
2
CHECKED

CITY AND STATE
CHICAGO, IL

ELEVATION: 620 TDZE: 611
AIRPORT NAME:
CHICAGO MIDWAY INTL

FACILITY
IDENTIFIER:
I-MDW

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
ILS OR LOC/DME RWY 13C, ORIG-D
24 JULY 2014

SUP:
AMDT: ORIG-C
DATED: 08/22/2013

FLIGHT STANDARDS SERVICES - FAR PART 97.25

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[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KMDWK5FL13C	ADPA	010DPA	K5D 0V	A	FC DPA K5	0000000008480171D	+	02600	18000		0	DS
SUSAP	KMDWK5FL13C	ADPA	020HEBKUK5PC0EE	B	CF	IMDWK5	3176011208480020PI	+	02600			0	DS
SUSAP	KMDWK5FL13C	L	010HEBKUK5PC0E	I	IF	IMDWK5	31760112	PI	+	02600	18000		0 DS
SUSAP	KMDWK5FL13C	L	020HIT0BK5PC0E	F	CF	IMDWK5	3176005213800060PI	+	02000		CGT	K5D	0 DS
SUSAP	KMDWK5FL13C	L	030RW13CK5PG0GY	M	CF	IMDWK5	3176001013800042PI		00654	-304			0 DS
SUSAP	KMDWK5FL13C	L	040	0	M	CA	1376	+	01100				0 DS
SUSAP	KMDWK5FL13C	L	050	0	R	VIY	2800						0 DS
SUSAP	KMDWK5FL13C	L	060IGECYK5PC0E	L	CFYEON	K5	0010020018100080D		02100				0 DS
SUSAP	KMDWK5FL13C	L	070EON	K5D 0VY	TF			+	02600				0 DS
SUSAP	KMDWK5FL13C	L	080EON	K5D 0VE	R	HM	1810T010	+	02600				0 DS

[illegible][illegible]

CITY AND STATE CHICAGO, IL	ELEVATION: 620	TDZE: 611	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME:			ILS OR LOC/DME RWY 13C, ORIG-D	AMDT: ORIG-C
	CHICAGO MIDWAY INTL		I-MDW	24 JULY 2014	DATED: 08/22/2013

FLIGHT STANDARDS SERVICES - FAR PART 97.25

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

[illegible]

SUSAP KMDWK5SCGT K5D

0 0902700342527009002825

M

SUP:	
AMDT:	ORIG-C
DATED:	08/22/2013

Page 6 of 7 Pages

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

LOC STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - FAR PART 97.25

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - 424-18 - LOC

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	DPA	DPA	010	IAF	FC		FB		084.8()	017.1	AA 02600	
	DPA	HEBKU	020		CF		FB		084.8()	002.0	AA 02600	
		HEBKU	010	FACF	IF		FB				AA 02600	
		HITOB	020	FAF	CF		FB		138.0()	006.0	AA 02000	
		RW13C	030	MAP	CF		FO		138.0()	004.2	AT 00654	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		137.6()		AA 01100	
		050		VI	R	FB		280.0()			
	IGECY	060		CF	L	FB		181.0()	008.0	AT 02100	
	EON	070		TF		FO				AA 02600	
	EON	080		HM	R	FO		181.0()	001.0	AA 02600	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CGT	N413036.02	W0873417.57	N4130.600	W08734.293
	DPA	N415325.31	W0882100.62	N4153.422	W08821.010
	EON	N411610.68	W0874727.79	N4116.178	W08747.463
	HEBKU	N415426.96	W0875528.06	N4154.449	W08755.468
	HITOB	N415019.09	W0874938.29	N4150.318	W08749.638
	IGECY	N413606.87	W0874604.24	N4136.115	W08746.071
	RW13C	N414726.51	W0874535.42	N4147.442	W08745.590
	IMDW (LOC)	N414643.58	W0874435.10	N4146.726	W08744.585

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW13C	00608	46

CITY AND STATE
CHICAGO, ILELEVATION: 620 TDZE: 611
AIRPORT NAME:
CHICAGO MIDWAY INTLFACILITY
IDENTIFIER:
I-MDWPROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
ILS OR LOC/DME RWY 13C, ORIG-D
24 JULY 2014SUP:
AMDT: ORIG-C
DATED: 08/22/2013

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.29

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	ILS: DA LOC: I-MXT 0.97 DME FIX
HILLS INT/14.59 DME (IAF)	GLEAM INT/11.45 DME	317.57 / 3.14 (I-MXT)	4000	CLIMB TO 1100, THEN CLIMBING LEFT TURN TO 2100 ON HEADING 150 AND ON EON VORTAC R-001 UNTIL CROSSING IGECY INT/EON 19.95 DME, THEN CLIMB TO 2600 TO EON VORTAC AND HOLD, OR AS DIRECTED BY ATC. ALTERNATE MA: CLIMB TO 1100, THEN CLIMBING LEFT TURN TO 2300 DIRECT CGT VORTAC AND HOLD. ADDITIONAL FLIGHT DATA: HOLD N, RT, 181.00 INBOUND. CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD SW CGT VORTAC, RT, 043.93 INBOUND. CHART FAS OBST: 744 STACK 414531N/0874310W OBST: 864 AAO 414417N/0874117W CHART VDP AT 2.05 DME* DISTANCE VDP TO THLD 1.08 MILES. *LOC ONLY. CHART IN PLANVIEW: CGT VORTAC. CHART CIRCLING ICON. CHART MANDATORY 5000 AT HILLS. CHART MANDATORY 2100 AT IGECY.
GLEAM INT/11.45 DME (IF)	RUNTS/6.74 DME	317.57 / 4.71 (I-MXT)	2500	
RUNTS/6.74 DME	HOBEL/4.23 DME	317.57 / 2.51 (I-MXT)	1700	

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- PROFILE STARTS AT HILLS INT/14.59 DME
- FAC: 317.57 FAF: HOBEL/4.23 DME DIST FAF TO MAP: THLD: 3.27
- MIN. ALT: HILLS 5000, GLEAM 4000, RUNTS 2500, HOBEL 1700
- DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT: 900
- MIN GS INCPT: 1700 GS ALT AT: HOBEL 1700 OM: MM: IM:
- GS ANGLE: 3.00 TCH: 47.9
- MSA FROM: CGT VORTAC 090-270 2800, 270-090 3400

MAG VAR: 4W EPOCH YEAR: 2015

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT							ALTERNATE: N A		ILS: STANDARD #		LOC: STANDARD @				
CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
S-ILS 31C	863	4000	250	863	4000	250	863	4000	250	863	4000	250			
S-LOC 31C	1020	5500	407	1020	5500	407	1020	6000	407	1020	6000	407			
CIRCLING	1120	1	500	1120	1	500	1340	2	720	1340	2 1/4	720			

NOTES:
CHART PLANVIEW NOTE: RADAR REQUIRED.
CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT.
CHART NOTE: NIGHT LANDING: RWY 31R NA.

CAT C 800-2, CAT D 800-2 1/4
@ CAT D 800-2 1/4

CITY AND STATE CHICAGO, IL	ELEVATION: 620 TDZE: 613 AIRPORT NAME: CHICAGO MIDWAY INTL	FACILITY IDENTIFIER: I-MXT	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC/DME RWY 31C, AMDT 3 24 JULY 2014	SUP: AMDT: 2 DATED 06/27/2013

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.29

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

CITY AND STATE CHICAGO, IL	ELEVATION: 620 TDZE: 613 AIRPORT NAME: CHICAGO MIDWAY INTL	FACILITY IDENTIFIER: I-MXT	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: ILS OR LOC/DME RWY 31C, AMDT 3 24 JULY 2014	SUP:
				AMDT: 2
				DATED: 06/27/2013

FLIGHT STANDARDS SERVICES - FAR PART 97.29

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ARINC PACKET - 424-18 - ILS

SUSAD	CGT	K5011420VTL	N41303602W087341757	N41303602W087341757E0020006341	NARCHICAGO HEIGHTS
SUSAD	EON	K5011320VTL	N41161068W087472779	N41161068W087472779E0020006891	NARPEOTONE
SUSAD	KMDWK5 IMXT	K5010990 IT	IMXTN41473295W087453616	006070	NARCHICAGO MIDWAY INTL

SUSAP KMDWK5AMDW	0	065YHN41470950W087450870W004000620	1800018000C	MNAR	CHICAGO MIDWAY INTL

SUSAP	KMDWK5CGLEAM	K50	C	N41393561W087343583	W0038	NAR	GLEAM
SUSAP	KMDWK5CHILLS	K50	C	N41372540W087313418	W0038	NAR	HILLS
SUSAP	KMDWK5CHOBEL	K50	C	N41443481W087413443	W0037	NAR	HOBEL
SUSAP	KMDWK5CIGECY	K50	C	N41360687W087460424	W0036	NAR	IGECY
SUSAP	KMDWK5CRUNTS	K50	C	N41425079W087390871	W0038	NAR	RUNTS

SUSAP	KMDWK5FI31C	AHILLS	010HILLSK5PC0E	A	IF			05000	18000		0	NS	
SUSAP	KMDWK5FI31C	AHILLS	020GLEAMK5PC0E	B	TF			+ 04000			0	NS	
SUSAP	KMDWK5FI31C	AHILLS	030RUNTSK5PC0EE		CF	IMXTK5	1376006831760047PI	+ 02500			0	NS	
SUSAP	KMDWK5FI31C	I	010RUNTSK5PC0E	I	IF	IMXTK5	13760068	PI	J	025000170018000	0	NS	
SUSAP	KMDWK5FI31C	I	020HOBELK5PC0E	F	CF	IMXTK5	13760043318000025PI	H	0170001700	-300CGT	K5D	0	NS
SUSAP	KMDWK5FI31C	I	030RW31CK5PGOGY	M	CF	IMXTK5	13760010318000033PI		00660	-300		0	NS
SUSAP	KMDWK5FI31C	I	040	0	M	CA	3176	+ 01100				0	NS
SUSAP	KMDWK5FI31C	I	050		L	VIY	1500					0	NS
SUSAP	KMDWK5FI31C	I	060IGECYK5PC0E		CF	EON K5	0010020018100080D		02100			0	NS
SUSAP	KMDWK5FI31C	I	070EON	K5D	OVY	TF		+ 02600				0	NS
SUSAP	KMDWK5FI31C	I	080EON	K5D	OVE	R	HM	1810T010	+ 02600			0	NS

SUSAP KMDWK5GRW31C 0065223176 N41465000W087444412-0100 +0153100612069648150IIMXT1

456789012
QUALITY
2
CHECKED
456789012

SUP:	
AMDT:	2
DATED:	06/27/2013

FLIGHT STANDARDS SERVICES - FAR PART 97.29

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

SUSAP KMDWK5IIMXT1 010990RW31CN41473144W0874542343176N41465349W0874456100261 09000600300W00404800611

[illegible]

QUALITY
2
CHECKED

SUP:	
AMDT:	2
DATED:	06/27/2013

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - FAR PART 97.29

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - 424-18 - ILS

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	HILLS	HILLS	010	IAF	IF		FB				AT 05000	
	HILLS	GLEAM	020		TF		FB				AA 04000	
	HILLS	RUNTS	030		CF		FB		317.6 ()	004.7	AA 02500	
		RUNTS	010	FACF	IF		FB				AA 02500 GI 01700	
		HOBEL	020	FAF	CF		FB		318.0 ()	002.5	GI 01700 GS 01700	
		RW31C	030	MAP	CF		FO		318.0 ()	003.3	AT 00660	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		317.6 ()		AA 01100	
		050		VI	L	FB		150.0 ()			
	IGECY	060		CF		FB		181.0 ()	008.0	AT 02100	
	EON	070		TF		FO				AA 02600	
	EON	080		HM	R	FO		181.0 ()	T01.0	AA 02600	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CGT	N413036.02	W0873417.57	N4130.600	W08734.293
	EON	N411610.68	W0874727.79	N4116.178	W08747.463
	IMXT (DME)	N414732.95	W0874536.16	N4147.549	W08745.603
	GLEAM	N413935.61	W0873435.83	N4139.594	W08734.597
	HILLS	N413725.40	W0873134.18	N4137.423	W08731.570
	HOBEL	N414434.81	W0874134.43	N4144.580	W08741.574
	IGECY	N413606.87	W0874604.24	N4136.115	W08746.071
	RUNTS	N414250.79	W0873908.71	N4142.847	W08739.145
	RW31C	N414650.00	W0874444.12	N4146.833	W08744.735
	IMXT (LOC)	N414731.44	W0874542.34	N4147.524	W08745.706

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW31C	00612	48

CITY AND STATE
CHICAGO, ILELEVATION: 620 TDZE: 613
AIRPORT NAME:
CHICAGO MIDWAY INTLFACILITY
IDENTIFIER:
I-MXTPROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
ILS OR LOC/DME RWY 31C, AMDT 3
24 JULY 2014SUP:
AMDT: 2
DATED: 06/27/2013

FLIGHT STANDARDS SERVICES - FAR PART 97.25

Page 6 of 8 Pages

FLIGHT STANDARDS SERVICES - FAR PART 97.25

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

SUSAP KMDWK5IIMXT1 010990RW31CN41473144W0874542343176N41465349W0874456100261 09000600300W00404800611

[illegible]

2

SUP:	
AMDT:	2
DATED:	06/27/2013

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

LOC STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - FAR PART 97.25

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ARINC SUMMARY - 424-18 - LOC

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	HILLS	HILLS	010	IAF	IF		FB				AT 05000	
	HILLS	GLEAM	020		TF		FB				AA 04000	
	HILLS	RUNTS	030		CF		FB		317.6 ()	004.7	AA 02500	
		RUNTS	010	FACF	IF		FB				AA 02500	
		HOBEL	020	FAF	CF		FB		318.0 ()	002.5	AA 01700	
		RW31C	030	MAP	CF		FO		318.0 ()	003.3	AT 00660	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		317.6 ()		AA 01100	
		050		VI	L	FB		150.0 ()			
	IGECY	060		CF		FB		181.0 ()	008.0	AT 02100	
	EON	070		TF		FO				AA 02600	
	EON	080		HM	R	FO		181.0 ()	T01.0	AA 02600	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CGT	N413036.02	W0873417.57	N4130.600	W08734.293
	EON	N411610.68	W0874727.79	N4116.178	W08747.463
	IMXT (DME)	N414732.95	W0874536.16	N4147.549	W08745.603
	GLEAM	N413935.61	W0873435.83	N4139.594	W08734.597
	HILLS	N413725.40	W0873134.18	N4137.423	W08731.570
	HOBEL	N414434.81	W0874134.43	N4144.580	W08741.574
	IGECY	N413606.87	W0874604.24	N4136.115	W08746.071
	RUNTS	N414250.79	W0873908.71	N4142.847	W08739.145
	RW31C	N414650.00	W0874444.12	N4146.833	W08744.735
	IMXT (LOC)	N414731.44	W0874542.34	N4147.524	W08745.706

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW31C	00612	48

CITY AND STATE CHICAGO, IL	ELEVATION: 620	TDZE: 613	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME:			ILS OR LOC/DME RWY 31C, AMDT 3	AMDT: 2
	CHICAGO MIDWAY INTL		I-MXT	24 JULY 2014	DATED: 06/27/2013

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.			
TERMINAL ROUTES				MISSED APPROACH			
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LNAV: RW04L			
CGT VORTAC	PAKLE (FB)	299.70 / 13.02	2400	CLIMBING RIGHT TURN TO 2400 DIRECT PAKLE AND HOLD.			
EON VORTAC	TASUE (FB)	339.82 / 21.77	2300				
JOT VORTAC	TASUE (FB)	081.52 / 15.18	2300	ADDITIONAL FLIGHT DATA: HOLD NW, RT, 317.52 INBOUND. FAS OBST: 839 AAO 414415N/0874930W CHART: 853 TOWER 414403N/0875024W HADGI TO RW04L: 3.03/55. CHART CIRCLING ICON			
PAKLE (IAF)	JERNU (FB)	317.52 / 5.00	2300				
TASUE (IAF)	JERNU (FB)	047.31 / 5.00	2300				
JERNU (IF)	HADGI (FB)	047.35 / 5.00	2300				
HADGI (FAF)	RW04L (MAP) (FO)	047.41 / 5.04					
(SEE FORM 8260-10)							

1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF)			
2. PROFILE STARTS AT JERNU			
3. FAC: <u>047.41</u> FAF: <u>HADGI</u>		DIST FAF TO MAP: <u>5.04</u> THLD: <u>5.04</u>	
4. MIN. ALT: JERNU 2300, HADGI 2300			
5. DIST TO THLD FROM OM: <u> </u> MM: <u> </u> IM: <u> </u> 150 HAT: <u> </u> 100 HAT: <u> </u> GS ANT: <u> </u>			
6. MIN GS INCPT: <u> </u> GS ALT AT: <u> </u> OM: <u> </u> MM: <u> </u> IM: <u> </u>			
7. GS ANGLE: <u> </u> TCH: 34:1 IS NOT CLEAR			
8. MSA FROM: RW04L 3400		MAG VAR: 4W EPOCH YEAR: 2015	

MINIMUMS															
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT							ALTERNATE: N A		STANDARD @						
CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LNAV MDA	1100	1	483	1100	1	483	1100	1 3/8	483	1100	1 3/8	483			
CIRCLING	1120	1	500	1120	1	500	1340	2	720	1340	2 1/4	720			

NOTES:
 CHART NOTE: DME/DME RNP-0.3 NA. @ CAT D 800-2 1/4
 CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT.
 CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.
 CHART NOTE: NIGHT LANDING: RWY 31R NA.

CITY AND STATE CHICAGO, IL	ELEVATION: 620 TDZE: 617 AIRPORT NAME: CHICAGO MIDWAY INTL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 4L, ORIG-C 24 JULY 2014	SUP: <u> </u> AMDT: <u> </u> ORIG-B DATED 08/22/2013

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
RW04L (MAP)	1020 MSL	047.41	
1020 MSL	PAKLE (FO)		2400

CITY AND STATE

CHICAGO, IL

ELEVATION: 620

TDZE: 617

AIRPORT NAME:

CHICAGO MIDWAY INTL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 4L, ORIG-C
24 JULY 2014

SUP:

AMDT: ORIG-B

DATED: 08/22/2013.

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - FAR PART 97.33

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ARINC PACKET - 424-18 - RNAV (GPS)

[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KMDWK5FR04L	ACGT	010CGT	K5D	0V	IF					18000		B	JS
SUSAP KMDWK5FR04L	ACGT	020PAKLEK5EA0E	A	020TF			29970130	+	02400			B	JS
SUSAP KMDWK5FR04L	ACGT	030JERNUK5EA0EE	B	010TF			31750050	+	02300			B	JS
SUSAP KMDWK5FR04L	AEON	010EON	K5D	0V	IF					18000		B	JS
SUSAP KMDWK5FR04L	AEON	020TASUEK5EA0E	A	020TF			33980218	+	02300			B	JS
SUSAP KMDWK5FR04L	AEON	030JERNUK5EA0EE	B	010TF			04730050	+	02300			B	JS
SUSAP KMDWK5FR04L	AJOT	010JOT	K5D	0V	IF					18000		B	JS
SUSAP KMDWK5FR04L	AJOT	020TASUEK5EA0E	A	020TF			08150152	+	02300			B	JS
SUSAP KMDWK5FR04L	AJOT	030JERNUK5EA0EE	B	010TF			04730050	+	02300			B	JS
SUSAP KMDWK5FR04L	R	010JERNUK5EA0E	I	IF						18000		B	JS
SUSAP KMDWK5FR04L	R	020HADGIK5EA1E	F	051TF			04740050	+	02300		RW04L	K5PGB	JS
SUSAP KMDWK5FR04L	R	020HADGIK5EA2WN			N	ALNAV							JS
SUSAP KMDWK5FR04L	R	030RW04LK5PGOGY	M	031TF			04740050		00672	-303		B	JS
SUSAP KMDWK5FR04L	R	040	0	M	CA		0474	+	01020			B	JS
SUSAP KMDWK5FR04L	R	050PAKLEK5EA0EY	R	DF					02400			B	JS
SUSAP KMDWK5FR04L	R	060PAKLEK5EA0EE	R	HM			31750040	+	02400			B	JS

[illegible]

CITY AND STATE
CHICAGO, IL

ELEVATION: 620	TDZE: 617
AIRPORT NAME: CHICAGO MIDWAY INTL	

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
RNAV (GPS) RWY 4L, ORIG-C
 24 JULY 2014

SUP:	
AMDT:	ORIG-B
DATED:	08/22/2013

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

[illegible]

CITY AND STATE CHICAGO, IL	ELEVATION: 620	TDZE: 617	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME:			RNAV (GPS) RWY 4L, ORIG-C	AMDT: ORIG-B
	CHICAGO MIDWAY INTL		RNAV	24 JULY 2014	DATED: 08/22/2013

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICES - FAR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	CGT	CGT	010		IF		FB					
	CGT	PAKLE	020	IAF	TF		FB	2.0	299.7(295.7T)	013.0	AA 02400	
	CGT	JERNU	030		TF		FB	1.0	317.5(313.5T)	005.0	AA 02300	
	EON	EON	010		IF		FB					
	EON	TASUE	020	IAF	TF		FB	2.0	339.8(335.8T)	021.8	AA 02300	
	EON	JERNU	030		TF		FB	1.0	047.3(043.3T)	005.0	AA 02300	
	JOT	JOT	010		IF		FB					
	JOT	TASUE	020	IAF	TF		FB	2.0	081.5(077.5T)	015.2	AA 02300	
	JOT	JERNU	030		TF		FB	1.0	047.3(043.3T)	005.0	AA 02300	
		JERNU	010	FACF	IF		FB				AA 02300	
		HADGI	020	FAF	TF		FB	0.5	047.4(043.4T)	005.0	AA 02300	
		RW04L	030	MAP	TF		FO	0.3	047.4(043.4T)	005.0	AT 00672	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		047.4(043.4T)		AA 01020	
	PAKLE	050		DF	R	FO				AA 02400	
	PAKLE	060		HM	R	FO		317.5(313.5T)	004.0	AA 02400	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CGT	N413036.02	W0873417.57	N4130.600	W08734.293
	EON	N411610.68	W0874727.79	N4116.178	W08747.463
	JOT	N413247.10	W0881906.28	N4132.785	W08819.105
	HADGI	N414318.74	W0875011.08	N4143.312	W08750.185
	JERNU	N413940.52	W0875446.24	N4139.675	W08754.771
	PAKLE	N413614.01	W0874956.14	N4136.234	W08749.936
	TASUE	N413602.20	W0875920.77	N4136.037	W08759.346
	RW04L	N414658.36	W0874533.42	N4146.973	W08745.557

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW04L	00617	55

CITY AND STATE CHICAGO, IL	ELEVATION: 620	TDZE: 617	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME: CHICAGO MIDWAY INTL		RNAV	RNAV (GPS) RWY 4L, ORIG-C 24 JULY 2014	AMDT: ORIG-B
	DATED: 08/22/2013				

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.											
US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION															
TERMINAL ROUTES				MISSED APPROACH											
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LNAV: RW13L CLIMBING RIGHT TURN TO 2100 DIRECT IGEY THEN CLIMB TO 2600 ON TRACK 187.02 TO EON VORTAC AND HOLD. ADDITIONAL FLIGHT DATA: HOLD N, RT, 181.00 INBOUND. FAS OBST: 819 AAO 414959N/0874853W EXEKE TO RW13L: 3.05/55. CHART MANDATORY 2100 AT IGEY. CHART CIRCLING ICON.											
CGT VORTAC	KANLE (FB)	320.72 / 27.74	2300												
EON VORTAC	KANLE (FB)	349.14 / 35.77	2400												
JOT VORTAC	KANLE (FB)	042.81 / 23.10	2300												
KANLE (IAF)	HANOD (FB)	047.51 / 5.00	2300												
HANOD (IF)	EXEKE (FB)	137.44 / 5.00	2300												
EXEKE (FAF)	RW13L (MAP) (FO)	137.50 / 5.07													
RW13L (MAP)	1020 MSL	137.50													
(SEE FORM 8260-10)															
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF)															
2. PROFILE STARTS AT HANOD															
3. FAC: 137.50 FAF: EXEKE DIST FAF TO MAP: 5.07 THLD: 5.07															
4. MIN. ALT: HANOD 2300, EXEKE 2300															
5. DIST TO THLD FROM OM: <u> </u> MM: <u> </u> IM: <u> </u> 150 HAT: <u> </u> 100 HAT: <u> </u> GS ANT: <u> </u>															
6. MIN GS INCPT: <u> </u> GS ALT AT: <u> </u> OM: <u> </u> MM: <u> </u> IM: <u> </u>															
7. GS ANGLE: <u> </u> TCH: 34:1 IS NOT CLEAR															
8. MSA FROM: RW13L 3400															
				MAG VAR: 4W EPOCH YEAR: 2015											
MINIMUMS															
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE: N A		STANDARD @									
CATEGORY ==>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LNAV MDA	1080	1	471	1080	1	471	1080	1 3/8	471	1080	1 3/8	471			
CIRCLING	1120	1	500	1120	1	500	1340	2	720	1340	2 1/4	720			
NOTES: CHART NOTE: DME/DME RNP-0.3 NA. @ CAT D 800-2 1/4 CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. CHART NOTE: NIGHT LANDING: RWY 13L CAT C AND D, RWY 31R NA.															
CITY AND STATE		ELEVATION: 620 TDZE: 609		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:					
CHICAGO, IL		AIRPORT NAME:				RNAV (GPS) RWY 13L, ORIG-C				AMDT: ORIG-B					
		CHICAGO MIDWAY INTL				24 JULY 2014				DATED 08/22/2013					

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
1020 MSL	IGECY (FB)		2100
IGECY	EON VORTAC (FO)	187.02 / 19.95	2600

CITY AND STATE

CHICAGO, IL

ELEVATION: 620

TDZE: 609

AIRPORT NAME:

CHICAGO MIDWAY INTL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 13L, ORIG-C

24 JULY 2014

SUP:

AMDT: ORIG-B

DATED: 08/22/2013

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KMDWK5FR13L	ACGT	010CGT	K5D 0V	IF					18000		B JS	
SUSAP	KMDWK5FR13L	ACGT	020KANLEK5EA0E	A	020TF		32070277	+	02300			B JS	
SUSAP	KMDWK5FR13L	ACGT	030HANODK5EA0EE	B	010TF		04750050	+	02300			B JS	
SUSAP	KMDWK5FR13L	AEON	010EON	K5D 0V	IF					18000		B JS	
SUSAP	KMDWK5FR13L	AEON	020KANLEK5EA0E	A	020TF		34910358	+	02400			B JS	
SUSAP	KMDWK5FR13L	AEON	030HANODK5EA0EE	B	010TF		04750050	+	02300			B JS	
SUSAP	KMDWK5FR13L	AJOT	010JOT	K5D 0V	IF					18000		B JS	
SUSAP	KMDWK5FR13L	AJOT	020KANLEK5EA0E	A	020TF		04280231	+	02300			B JS	
SUSAP	KMDWK5FR13L	AJOT	030HANODK5EA0EE	B	010TF		04750050	+	02300			B JS	
SUSAP	KMDWK5FR13L	R	010HANODK5EA0E	I	IF			+	02300	18000		B JS	
SUSAP	KMDWK5FR13L	R	020EXEKEK5EA1E	F	051TF		13740050	+	02300		RW13L K5PGB	JS	
SUSAP	KMDWK5FR13L	R	020EXEKEK5EA2WN			N	ALNAV					JS	
SUSAP	KMDWK5FR13L	R	030RW13LK5PGOGY	M	031TF		13750051		00661	-305		B JS	
SUSAP	KMDWK5FR13L	R	040	0	M	CA	1375	+	01020			B JS	
SUSAP	KMDWK5FR13L	R	050IGECYK5EA0E	R	DF				02100			B JS	
SUSAP	KMDWK5FR13L	R	060EON	K5D 0VY	010TF		1870	+	02600			B JS	
SUSAP	KMDWK5FR13L	R	070EON	K5D 0VE	R	HM	18100040	+	02600			B JS	

[illegible]Page 3 of 5 Pages

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

SUSAP KMDWK5GRW13L 0051411375 N41472722W087452139+0000 +0151300606075255150R

[illegible]

CITY AND STATE
CHICAGO, IL

ELEVATION: 620	TDZE: 609
AIRPORT NAME:	
CHICAGO MIDWAY INTL	

FACILITY
IDENTIFIER:
| RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
RNAV (GPS) RWY 13L, ORIG-C
24 JULY 2014

SUP:	
AMDT:	ORIG-B
DATED:	08/22/2013

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICES - FAR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	CGT	CGT	010		IF		FB					
	CGT	KANLE	020	IAF	TF		FB	2.0	320.7 (316.7T)	027.7	AA 02300	
	CGT	HANOD	030		TF		FB	1.0	047.5 (043.5T)	005.0	AA 02300	
	EON	EON	010		IF		FB					
	EON	KANLE	020	IAF	TF		FB	2.0	349.1 (345.1T)	035.8	AA 02400	
	EON	HANOD	030		TF		FB	1.0	047.5 (043.5T)	005.0	AA 02300	
	JOT	JOT	010		IF		FB					
	JOT	KANLE	020	IAF	TF		FB	2.0	042.8 (038.8T)	023.1	AA 02300	
	JOT	HANOD	030		TF		FB	1.0	047.5 (043.5T)	005.0	AA 02300	
		HANOD	010	FACF	IF		FB				AA 02300	
		EXEKE	020	FAF	TF		FB	0.5	137.4 (133.4T)	005.0	AA 02300	
		RW13L	030	MAP	TF		FO	0.3	137.5 (133.5T)	005.1	AT 00661	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		137.5 (133.5T)		AA 01020	
	IGECY	050		DF	R	FB				AT 02100	
	EON	060		TF		FO	1.0	187.0 (183.0T)		AA 02600	
	EON	070		HM	R	FO		181.0 (177.0T)	004.0	AA 02600	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CGT	N413036.02	W0873417.57	N4130.600	W08734.293
	EON	N411610.68	W0874727.79	N4116.178	W08747.463
	JOT	N413247.10	W0881906.28	N4132.785	W08819.105
	EXEKE	N415056.80	W0875016.39	N4150.947	W08750.273
	HANOD	N415423.28	W0875507.85	N4154.388	W08755.131
	IGECY	N413606.87	W0874604.24	N4136.115	W08746.071
	KANLE	N415045.77	W0875944.36	N4150.763	W08759.739
	RW13L	N414727.22	W0874521.39	N4147.454	W08745.357

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW13L	00606	55

CITY AND STATE CHICAGO, IL	ELEVATION: 620	TDZE: 609	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME: CHICAGO MIDWAY INTL		RNAV	RNAV (GPS) RWY 13L, ORIG-C 24 JULY 2014	AMDT: ORIG-B
				DATED: 08/22/2013	

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.											
TERMINAL ROUTES				MISSED APPROACH											
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LNAV: RW22R CLIMB TO 2100 DIRECT IGCY THEN CLIMB TO 3000 ON TRACK 187.02 TO EON VORTAC AND HOLD. ADDITIONAL FLIGHT DATA: HOLD N, RT, 181.00 INBOUND. CHART FAS OBST: 762 TOWER 414718N/0874419W CHART: 967 CHY 414944N/0874325W CHART VDP AT 1.19 MILES TO RW22R. RUGGO TO RW22R: 3.07/55. CHART MANDATORY 2100 AT IGCY. CHART: 2325 BLDG 415244N/0873809W CHART CIRCLING ICON.											
CGT VORTAC	JABRI (FB)	014.33 / 22.60	3000												
EON VORTAC	JABRI (FB)	024.75 / 39.21	3000												
JABRI (IAF)	HAXOM (FB)	317.52 / 5.00	3000												
HAXOM (IF)	RUGGO (FB)	227.59 / 5.01	3000												
RUGGO (FAF)	CIDIG/2.40 NM TO RW22R (FB)	227.54 / 4.80													
CIDIG/2.40 NM TO RW22R (SEE FORM 8260-10)	RW22R (MAP) (FO)	227.54 / 2.40													
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. PROFILE STARTS AT HAXOM 3. FAC: <u>227.54</u> FAF: <u>RUGGO</u> DIST FAF TO MAP: <u>7.19</u> THLD: <u>7.19</u> 4. MIN. ALT: HAXOM 3000, RUGGO 3000, CIDIG/2.40 NM TO RW22R 1440 5. DIST TO THLD FROM OM: <u> </u> MM: <u> </u> IM: <u> </u> 150 HAT: <u> </u> 100 HAT: <u> </u> GS ANT: <u> </u> 6. MIN GS INCPT: <u> </u> GS ALT AT: <u> </u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u> </u> TCH: 34:1 IS NOT CLEAR 8. MSA FROM: RW22R 3400				MAG VAR: 4W EPOCH YEAR: 2015											
MINIMUMS															
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE: N A		STANDARD @									
CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LNAV MDA	1020	1	406	1020	1	406	1020	1 1/8	406	1020	1 1/8	406			
CIRCLING	1120	1	500	1120	1	500	1340	2	720	1340	2 1/4	720			
NOTES: CHART NOTE: DME/DME RNP-0.3 NA. CHART PROFILE NOTE: VGSi AND DESCENT ANGLES NOT COINCIDENT. CHART NOTE: NIGHT LANDING: RWY 31R NA. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.															
CITY AND STATE		ELEVATION: 620 TDZE: 614		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:					
CHICAGO, IL		AIRPORT NAME:		RNAV		RNAV (GPS) RWY 22R, ORIG-D				AMDT: ORIG-C					
		CHICAGO MIDWAY INTL				24 JULY 2014				DATED 08/22/2013					

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
RW22R (MAP)	1020 MSL	227.54	
1020 MSL	IGECY (FB)		2100
IGECY	EON VORTAC (FO)	187.02 / 19.95	3000

CITY AND STATE

CHICAGO, IL

ELEVATION: 620

TDZE: 614

AIRPORT NAME:

CHICAGO MIDWAY INTL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 22R, ORIG-D

24 JULY 2014

SUP:

AMDT: ORIG-C

DATED: 08/22/2013

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC PACKET - 424-18 - RNAV (GPS)

[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KMDWK5FR22R	ACGT	010CGT	K5D OV	IF					18000		B JS	
SUSAP	KMDWK5FR22R	ACGT	020JABRIK5EA0E	A	020TF		01430226	+	03000			B JS	
SUSAP	KMDWK5FR22R	ACGT	030HAXOMK5EA0EE	B	010TF		31750050	+	03000			B JS	
SUSAP	KMDWK5FR22R	AEON	010EON	K5D OV	IF					18000		B JS	
SUSAP	KMDWK5FR22R	AEON	020JABRIK5EA0E	A	020TF		02480392	+	03000			B JS	
SUSAP	KMDWK5FR22R	AEON	030HAXOMK5EA0EE	B	010TF		31750050	+	03000			B JS	
SUSAP	KMDWK5FR22R	R	010HAXOMK5EA0E	I	IF			+	03000	18000		B JS	
SUSAP	KMDWK5FR22R	R	020RUGGOK5EA1E	F	051TF		22760050	+	03000		RW22R	K5PGB	JS
SUSAP	KMDWK5FR22R	R	020RUGGOK5EA2WN			N	ALNAV						JS
SUSAP	KMDWK5FR22R	R	021CIDIGK5EA0E	S	031TF		22750048	V	0144001446		-307		B JS
SUSAP	KMDWK5FR22R	R	030RW22RK5PGOGY	M	031TF		22750024		00661		-307		B JS
SUSAP	KMDWK5FR22R	R	040		CA		2275	+	01020				B JS
SUSAP	KMDWK5FR22R	R	050IGECYK5EA0E		DF			+	02100				B JS
SUSAP	KMDWK5FR22R	R	060EON	K5D OVY	010TF		1870	+	03000				B JS
SUSAP	KMDWK5FR22R	R	070EON	K5D OVE	R HM		18100040	+	03000				B JS

[illegible]

CITY AND STATE CHICAGO, IL	ELEVATION: 620	TDZE: 614	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 22R, ORIG-D 24 JULY 2014	SUP:
	AIRPORT NAME: CHICAGO MIDWAY INTL		RNAV		AMDT: ORIG-C
					DATED: 08/22/2013

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

[illegible]

CITY AND STATE
CHICAGO, IL

ELEVATION: 620	TDZE: 614
AIRPORT NAME: CHICAGO MIDWAY INTL	

FACILITY
IDENTIFIER:
| RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
RNAV (GPS) RWY 22R, ORIG-D
 24 JULY 2014

SUP:	
AMDT:	ORIG-C
DATED:	08/22/2013

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICES - FAR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	CGT	CGT	010		IF		FB					
	CGT	JABRI	020	IAF	TF		FB	2.0	014.3(010.3T)	022.6	AA 03000	
	CGT	HAXOM	030		TF		FB	1.0	317.5(313.5T)	005.0	AA 03000	
	EON	EON	010		IF		FB					
	EON	JABRI	020	IAF	TF		FB	2.0	024.8(020.8T)	039.2	AA 03000	
	EON	HAXOM	030		TF		FB	1.0	317.5(313.5T)	005.0	AA 03000	
		HAXOM	010	FACF	IF		FB				AA 03000	
		RUGGO	020	FAF	TF		FB	0.5	227.6(223.6T)	005.0	AA 03000	
		CIDIG	021	SDF	TF		FB	0.3	227.5(223.5T)	004.8	AA 01440 GS 01446	
		RW22R	030	MAP	TF		FO	0.3	227.5(223.5T)	002.4	AT 00661	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		227.5(223.5T)		AA 01020	
	IGECY	050		DF		FB				AA 02100	
	EON	060		TF		FO	1.0	187.0(183.0T)		AA 03000	
	EON	070		HM	R	FO		181.0(177.0T)	004.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CGT	N413036.02	W0873417.57	N4130.600	W08734.293
	EON	N411610.68	W0874727.79	N4116.178	W08747.463
	CIDIG	N414910.64	W0874245.76	N4149.177	W08742.763
	HAXOM	N415617.04	W0873343.49	N4156.284	W08733.725
	IGECY	N413606.87	W0874604.24	N4136.115	W08746.071
	JABRI	N415250.45	W0872852.02	N4152.841	W08728.867
	RUGGO	N415239.34	W0873820.72	N4152.656	W08738.345
	RW22R	N414726.12	W0874458.27	N4147.435	W08744.971

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW22R	00606	55

CITY AND STATE
CHICAGO, IL

ELEVATION: 620 TDZE: 614
AIRPORT NAME:
CHICAGO MIDWAY INTL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
RNAV (GPS) RWY 22R, ORIG-D
24 JULY 2014

SUP:
AMDT: ORIG-C
DATED: 08/22/2013

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.											
TERMINAL ROUTES								MISSED APPROACH							
FROM		TO		COURSE AND DISTANCE		ALTITUDE		LNAV: RW31R CLIMBING LEFT TURN TO 2300 DIRECT IGECY THEN CLIMB TO 2600 ON TRACK 187.02 TO EON VORTAC AND HOLD. ADDITIONAL FLIGHT DATA: HOLD N, RT, 181.00 INBOUND. CHART FAS OBST: 762 TOWER 414718N/0874419W FANEK TO RW31R: 3.05/55. CHART CIRCLING ICON CHART MANDATORY 2300 AT IGECY.							
EON VORTAC		PANUE (FB)		020.45 / 21.05		2400									
JOT VORTAC		PANUE (FB)		086.89 / 29.93		2400									
ORD VOR/DME		IDUDE (FB)		132.57 / 23.88		3400									
CGT VORTAC (IAF)		HAKBO (FB)		001.14 / 9.41		2300									
IDUDE (IAF)		HAKBO (FB)		228.05 / 6.00		2300									
PANUE (IAF)		HAKBO (FB)		047.52 / 5.00		2300									
HAKBO (IF)		FANEK (FB)		317.68 / 5.01		2300									
(SEE FORM 8260-10)															
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. PROFILE STARTS AT HAKBO 3. FAC: 317.62 FAF: FANEK DIST FAF TO MAP: 5.06 THLD: 5.06 4. MIN. ALT: HAKBO 2300, FANEK 2300, CENAP/1.80 NM TO RW31R 1240 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: _____ GS ALT AT: _____ OM: _____ MM: _____ IM: _____ 7. GS ANGLE: _____ TCH: 34:1 IS NOT CLEAR 8. MSA FROM: RW31R 3400								MAG VAR: 4W EPOCH YEAR: 2015							
MINIMUMS															
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE: N A		STANDARD @									
CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LNAV MDA	1060	1	450	1060	1	450	1060	1 3/8	450	1060	1 3/8	450			
CIRCLING	1120	1	500	1120	1	500	1340	2	720	1340	2 1/4	720			
NOTES: CHART NOTE: DME/DME RNP-0.3 NA. CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. CHART NOTE: NIGHT LANDING RWY 31R NA.															
CITY AND STATE CHICAGO, IL				ELEVATION: 620 TDZE: 610 AIRPORT NAME: CHICAGO MIDWAY INTL				FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 31R, ORIG-D 24 JULY 2014				SUP: AMDT: ORIG-C DATED 08/22/2013	

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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TERMINAL ROUTES, (CONT.):

<u>FROM</u>	<u>TO</u>	<u>COURSE AND DISTANCE</u>	<u>ALTITUDE</u>
FANEK (FAF)	CENAP/1.80 NM TO RW31R (FB)	317.62 / 3.26	
CENAP/1.80 NM TO RW31R	RW31R (MAP) (FO)	317.62 / 1.80	
RW31R (MAP)	1020 MSL	317.62	
1020 MSL	IGECY (FB)		2300
IGECY	EON VORTAC (FO)	187.02 / 19.95	2600

CITY AND STATE
 CHICAGO, IL

ELEVATION: 620 **TDZE:** 610
AIRPORT NAME:
 CHICAGO MIDWAY INTL

FACILITY IDENTIFIER:
 RNAV

PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:
 RNAV (GPS) RWY 31R, ORIG-D
 24 JULY 2014

SUP:
AMDT: ORIG-C
DATED: 08/22/2013

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC PACKET - 424-18 - RNAV (GPS)

NAVAID	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAD	CGT	K5011420VTL	N41303602W087341757	N41303602W087341757E0020006341	NARCHICAGO	HEIGHTS							
SUSAD	EON	K5011320VTL	N41161068W087472779	N41161068W087472779E0020006891	NARPEOTONE								
SUSAD	JOT	K5011230VTH	N41324710W088190628	N41324710W088190628E0020005922	NARJOLIET								
SUSAD	ORD	K5011390VDLA	N41591568W087541735	N41591568W087541735E0020006491	NARCHICAGO	O'HARE							

[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KMDWK5FR31R	ACGT	010CGT	K5D 0V	A	IF				18000		B	JS
SUSAP	KMDWK5FR31R	ACGT	020HAKBOK5EA0EE	B	010TF		00110094	+	02300			B	JS
SUSAP	KMDWK5FR31R	AEON	010EON	K5D 0V		IF				18000		B	JS
SUSAP	KMDWK5FR31R	AEON	020PANUEK5EA0E	A	020TF		02050211	+	02400			B	JS
SUSAP	KMDWK5FR31R	AEON	030HAKBOK5EA0EE	B	010TF		04750050	+	02300			B	JS
SUSAP	KMDWK5FR31R	AJOT	010JOT	K5D 0V		IF				18000		B	JS
SUSAP	KMDWK5FR31R	AJOT	020PANUEK5EA0E	A	020TF		08690299	+	02400			B	JS
SUSAP	KMDWK5FR31R	AJOT	030HAKBOK5EA0EE	B	010TF		04750050	+	02300			B	JS
SUSAP	KMDWK5FR31R	AORD	010ORD	K5D 0V	R	IF				18000		B	JS
SUSAP	KMDWK5FR31R	AORD	020IDUDEK5EA0E	AR	020TFY		13260239	+	03400			B	JS
SUSAP	KMDWK5FR31R	AORD	030HAKBOK5EA0EE	B	010TF		22810060	+	02300			B	JS
SUSAP	KMDWK5FR31R	R	010HAKBOK5EA0E	I	IF			+	02300	18000		B	JS
SUSAP	KMDWK5FR31R	R	020FANEKK5EA1E	F	010TF		31770050	+	02300		RW31R	K5PGB	JS
SUSAP	KMDWK5FR31R	R	020FANEKK5EA2WN			N	ALNAV					JS	
SUSAP	KMDWK5FR31R	R	021CENAPK5EA0E	S	031TF		31760033	V	0124001249		-305	B	JS
SUSAP	KMDWK5FR31R	R	030RW31RK5PGOGY	M	031TF		31760018		00663		-305	B	JS
SUSAP	KMDWK5FR31R	R	040	0	M	CA	3176	+	01020			B	JS
SUSAP	KMDWK5FR31R	R	050IGECYK5EA0E	L	DF				02300			B	JS

CITY AND STATE CHICAGO, IL	ELEVATION: 620	TDZE: 610	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME:			RNAV (GPS) RWY 31R, ORIG-D	AMDT: ORIG-C
	CHICAGO MIDWAY INTL		RNAV	24 JULY 2014	DATED: 08/22/2013

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICES - FAR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

SUSAP KMDWK5FR31R R 060E0N K5D 0VY 010TF
SUSAP KMDWK5FR31R R 070E0N K5D 0VE R HM

1870 + 02600
18100040 + 02600

B JS
B JS

1 2 3 4 5 6 7 8 9 0 1 2 3
RUNWAY 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012

SUSAP KMDWK5GRW31R 0051413175 N41465736W087443939+0000 +0152000608000055150R

1 2 3 4 5 6 7 8 9 0 1 2 3
MSA 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012

SUSAP KMDWK5SRW31RK5PG 0 18018003425

M

CITY AND STATE
CHICAGO, IL

ELEVATION: 620 TDZE: 610
AIRPORT NAME:
CHICAGO MIDWAY INTL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
RNAV (GPS) RWY 31R, ORIG-D
24 JULY 2014

SUP:
AMDT: ORIG-C
DATED: 08/22/2013

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICES - FAR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	CGT	CGT	010	IAF	IF		FB					
	CGT	HAKBO	020		TF		FB	1.0	001.1(357.1T)	009.4	AA 02300	
	EON	EON	010		IF		FB					
	EON	PANUE	020	IAF	TF		FB	2.0	020.5(016.5T)	021.1	AA 02400	
	EON	HAKBO	030		TF		FB	1.0	047.5(043.5T)	005.0	AA 02300	
	JOT	JOT	010		IF		FB					
	JOT	PANUE	020	IAF	TF		FB	2.0	086.9(082.9T)	029.9	AA 02400	
	JOT	HAKBO	030		TF		FB	1.0	047.5(043.5T)	005.0	AA 02300	
	ORD	ORD	010		IF	R	FB					
	ORD	IDUDE	020	IAF	TF	R	FB	2.0	132.6(128.6T)	023.9	AA 03400	
	ORD	HAKBO	030		TF		FB	1.0	228.1(224.1T)	006.0	AA 02300	
		HAKBO	010	FACF	IF		FB				AA 02300	
		FANEK	020	FAF	TF		FB	1.0	317.7(313.7T)	005.0	AA 02300	
		CENAP	021	SDF	TF		FB	0.3	317.6(313.6T)	003.3	AA 01240	GS 01249
		RW31R	030	MAP	TF		FO	0.3	317.6(313.6T)	001.8	AT 00663	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		317.6(313.6T)		AA 01020	
	IGECY	050		DF	L	FB				AT 02300	
	EON	060		TF		FO	1.0	187.0(183.0T)		AA 02600	
	EON	070		HM	R	FO		181.0(177.0T)	004.0	AA 02600	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CGT	N413036.02	W0873417.57	N4130.600	W08734.293
	EON	N411610.68	W0874727.79	N4116.178	W08747.463
	JOT	N413247.10	W0881906.28	N4132.785	W08819.105
	ORD	N415915.68	W0875417.35	N4159.261	W08754.289
	CENAP	N414542.86	W0874254.83	N4145.714	W08742.914
	FANEK	N414327.79	W0873945.49	N4143.463	W08739.758
	HAKBO	N414000.20	W0873455.15	N4140.003	W08734.919
	IDUDE	N414419.15	W0872921.11	N4144.319	W08729.352
	IGECY	N413606.87	W0874604.24	N4136.115	W08746.071
	PANUE	N413622.64	W0873930.78	N4136.377	W08739.513
	RW31R	N414657.36	W0874439.39	N4146.956	W08744.657

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW31R	00608	55

CITY AND STATE CHICAGO, IL	ELEVATION: 620	TDZE: 610	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME: CHICAGO MIDWAY INTL		RNAV	RNAV (GPS) RWY 31R, ORIG-D	AMDT: ORIG-C
				24 JULY 2014	DATED: 08/22/2013

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.											
TERMINAL ROUTES				MISSED APPROACH											
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LPV: DA LNAV/VNAV: DA LNAV: RW04R CLIMB TO 1100 THEN CLIMBING RIGHT TURN TO 2600 DIRECT EON VORTAC AND HOLD. ADDITIONAL FLIGHT DATA: HOLD N, RT, 181.00 INBOUND. CHART FAS OBST: 811 STACK 414606N/0874537W DISTANCE TO THLD FROM 250 HAT: 0.63 NM. WAAS CHANNEL # 65614 REFERENCE PATH ID: W04A CHART CIRCLING ICON. LTP HAE: 155.3 M											
JOT VORTAC (IAF)	BANER (FB)	080.02 / 16.06	5000												
WUPOR (IAF)	BANER (FB)	047.18 / 16.00	5000												
BANER (IF)	CADON (FB)	047.34 / 3.40	4000												
CADON	CITGO (FB)	047.37 / 5.16	2400												
CITGO (FAF)	OLOXE/2.50 NM TO RW04R (FB)	047.43 / 2.94													
OLOXE/2.50 NM TO RW04R (SEE FORM 8260-10)	RW04R (MAP) (FO)	047.43 / 2.50													
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. PROFILE STARTS AT BANER 3. FAC: 047.43 FAF: CITGO DIST FAF TO MAP: 5.44 THLD: 5.44 4. MIN. ALT: BANER 5000, CADON 4000, CITGO 2400, OLOXE/2.50 NM TO RW04R 1460* 5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT: 6. MIN GS INCPT: 2400 GS ALT AT: CITGO 2400 OM: MM: IM: 7. GS ANGLE: 3.00 TCH: 49.8 34:1 IS NOT CLEAR 8. MSA FROM: RW04R 3400				MAG VAR: 4W EPOCH YEAR: 2015											
MINIMUMS															
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE: N A		STANDARD @									
CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	869	4000	250	869	4000	250	869	5000	250	869	5000	250			
LNAV/VNAV DA	1097	1 5/8	478	1097	1 5/8	478	1097	1 5/8	478	1097	1 5/8	478			
LNAV MDA	1080	5500	461	1080	5500	461	1080	1 3/8	461	1080	1 3/8	461			
CIRCLING	1120	1	500	1120	1	500	1340	2	720	1340	2 1/4	720			
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -19C (-2F) OR ABOVE 54C @ CAT D 800-2 1/4 (130F). CHART NOTE: DME/DME RNP-0.3 NA. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT JOT VORTAC ON V8 WESTBOUND. (SEE FORM 8260-10)															
CITY AND STATE CHICAGO, IL			ELEVATION: 620 TDZE: 619 AIRPORT NAME: CHICAGO MIDWAY INTL			FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) Z RWY 4R, AMDT 3C 24 JULY 2014					SUP: AMDT: 3B DATED 06/27/2013		

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
RW04R (MAP)	1100 MSL	047.43	1100
1100 MSL	EON VORTAC (FO)		2600

NOTES, (CONT.):

CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.

*LNAV ONLY

CHART PLANVIEW NOTE: RADAR REQUIRED FOR PROCEDURE ENTRY AT WUPOR.

CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW RVR 4000 NOT AUTHORIZED.

CHART NOTE: NIGHT LANDING: RWY 31R NA, RWY 4R CAT C AND D OPERATIONAL VGSI REQUIRED, REMAIN ON OR ABOVE VGSI GLIDEPATH UNTIL THRESHOLD.

CITY AND STATE
CHICAGO, IL

ELEVATION: 620 TDZE: 619
AIRPORT NAME:
CHICAGO MIDWAY INTL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) Z RWY 4R, AMDT 3C
24 JULY 2014

SUP:
AMDT: 3B
DATED: 06/27/2013

RNAV STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

FAS DATA BLOCK INFORMATIONDATA FIELDDATA

OPERATION TYPE 0
SBAS SERVICE PROVIDER IDENTIFIER 0
AIRPORT IDENTIFIER KMDW
RUNWAY RW04R
APPROACH PERFORMANCE DESIGNATOR 0
ROUTE INDICATOR Z
REFERENCE PATH DATA SELECTOR 0
REFERENCE PATH IDENTIFIER (APPROACH ID) W04A
LTP/FTP LATITUDE 414648.6980N
LTP/FTP LONGITUDE 0874528.8450W
LTP/FTP ELLIPSOIDAL HEIGHT +01553
FPAP LATITUDE 414753.3705N
FPAP LONGITUDE 0874406.8735W
THRESHOLD CROSSING HEIGHT (TCH) 00049.8
TCH UNITS SELECTOR (METERS OR FEET USED) F
GLIDEPATH ANGLE (GPA) 03.00
COURSE WIDTH AT THRESHOLD 106.75
LENGTH OFFSET 0944
HORIZONTAL ALERT LIMIT (HAL) 40.0
VERTICAL ALERT LIMIT (VAL) 50.0

CRC REMAINDER

78F13BB7

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K5
LTP ORTHOMETRIC HEIGHT +01887
FPAP ORTHOMETRIC HEIGHT +01887

CITY AND STATE

CHICAGO, IL

ELEVATION: 620

TDZE: 619

AIRPORT NAME:

CHICAGO MIDWAY INTL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) Z RWY 4R, AMDT 3C

24 JULY 2014

SUP:

AMDT: 3B

DATED: 06/27/2013

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC PACKET - 424-18 - RNAV (GPS)

[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KMDWK5FR04RZ	AJOT	010JOT	K5D	0V	A	IF				18000		A	JS
SUSAP KMDWK5FR04RZ	AJOT	020BANERK5EA0EE	B	010TF			08000161	+	05000			A	JS
SUSAP KMDWK5FR04RZ	AWUPOR	010WUPORK5EA0EE	A	IF						18000		A	JS
SUSAP KMDWK5FR04RZ	AWUPOR	020BANERK5EA0EE	B	010TF			04720160	+	05000			A	JS
SUSAP KMDWK5FR04RZ	R	010BANERK5EA0E	I	IF				+	05000	18000		A	JS
SUSAP KMDWK5FR04RZ	R	011CADONK5EA0E	S	051TF			04730034	+	04000			A	JS
SUSAP KMDWK5FR04RZ	R	020CITGOK5EA1E	F	051TF			04740052	+	02400		RW04R	K5PGA	JS
SUSAP KMDWK5FR04RZ	R	020CITGOK5EA2WALPV			ALNAV/VNAV	ALNAV							JS
SUSAP KMDWK5FR04RZ	R	021LOXEK5EA0E	S	031TF			04740029	V	0146001465		-300	A	JS
SUSAP KMDWK5FR04RZ	R	030RW04RK5PGOGY	M	031TF			04740025		00669		-300	A	JS
SUSAP KMDWK5FR04RZ	R	040	0	M	CA		0474	+	01100			A	JS
SUSAP KMDWK5FR04RZ	R	050EON	K5D	0VY	R	DF		+	02600			A	JS
SUSAP KMDWK5FR04RZ	R	060EON	K5D	0VE	R	HM	18100040	+	02600			A	JS

[illegible][illegible]

CITY AND STATE
CHICAGO, IL

ELEVATION: 620	TDZE: 619
AIRPORT NAME: CHICAGO MIDWAY INTL	

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
RNAV (GPS) Z RWY 4R, AMDT 3C
 24 JULY 2014

SUP:	
AMDT:	3B
DATED:	06/27/2013

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

[illegible]

SUP:	
AMDT:	3B
DATED:	06/27/2013

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
 FLIGHT STANDARDS SERVICES - FAR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
JOT		JOT	010	IAF	IF		FB					
JOT		BANER	020		TF		FB	1.0	080.0(076.0T)	016.1	AA 05000	
WUPOR		WUPOR	010	IAF	IF		FB					
WUPOR		BANER	020		TF		FB	1.0	047.2(043.2T)	016.0	AA 05000	
		BANER	010	FACF	IF		FB				AA 05000	
		CADON	011	SDF	TF		FB	0.5	047.3(043.3T)	003.4	AA 04000	
		CITGO	020	FAF	TF		FB	0.5	047.4(043.4T)	005.2	AA 02400	
		OLOXE	021	SDF	TF		FB	0.3	047.4(043.4T)	002.9	AA 01460 GS 01465	
		RW04R	030	MAP	TF		FO	0.3	047.4(043.4T)	002.5	AT 00669	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		047.4(043.4T)		AA 01100	
	EON	050		DF	R	FO				AA 02600	
	EON	060		HM	R	FO		181.0(177.0T)	004.0	AA 02600	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	EON	N411610.68	W0874727.79	N4116.178	W08747.463
	JOT	N413247.10	W0881906.28	N4132.785	W08819.105
	BANER	N413638.18	W0875819.39	N4136.636	W08758.323
	CADON	N413906.58	W0875512.63	N4139.110	W08755.211
	CITGO	N414251.82	W0875028.52	N4142.864	W08750.475
	OLOXE	N414459.78	W0874746.74	N4144.996	W08747.779
	WUPOR	N412458.67	W0881255.08	N4124.978	W08812.918
	RW04R	N414648.70	W0874528.85	N4146.812	W08745.481

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW04R	00619	50

CITY AND STATE CHICAGO, IL	ELEVATION: 620	TDZE: 619	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME: CHICAGO MIDWAY INTL		RNAV	RNAV (GPS) Z RWY 4R, AMDT 3C	AMDT: 3B
				24 JULY 2014	DATED: 06/27/2013

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

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TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
DPA VOR/DME (IAF)	HEBKU (FB)	090.78 / 19.10	2600	LNAV/VNAV: DA LNAV: RW13C
HEBKU (IF)	HITOB (FB)	137.44 / 6.00	2000	CLIMB TO 2100 DIRECT WIGTO AND ON TRACK 192.81 TO IGENCY, THEN CLIMB TO 2600 ON TRACK 187.02 TO EON VORTAC AND HOLD.
HITOB (FAF)	RW13C (MAP) (FO)	137.50 / 4.17		
RW13C (MAP)	1020 MSL	137.50		
1020 MSL	WIGTO (FB)			
WIGTO	IGECY (FB)	192.81 / 10.29	2100	ADDITIONAL FLIGHT DATA: HOLD N, RT, 181.00 INBOUND. CHART FAS OBST: 757 WATER TWR 414818N/0874621W CHART: 786 TANK 415043N/0874827W DISTANCE TO THLD FROM 434 HAT: 1.22 NM. CHART CIRCLING ICON. CHART MANDATORY 2100 AT IGENCY.
IGECY	EON VORTAC (FO)	187.02 / 19.95	2600	

1. PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)
2. PROFILE STARTS AT HEBKU					
3. FAC: 137.50		FAF: HITOB		DIST FAF TO MAP:	4.17 THLD: 4.17
4. MIN. ALT: HEBKU 2600, HITOB 2000					
5. DIST TO THLD FROM OM:		MM:	IM:	150 HAT:	100 HAT: GS ANT:
6. MIN GS INCPT: 2000		GS ALT AT: HITOB 2000		OM:	MM: IM:
7. GS ANGLE: 3.00		TCH: 45.9 34:1 IS NOT CLEAR			
8. MSA FROM: RW13C 3400					

MAG VAR: 4W

EPOCH YEAR: 2015

[illegible]

@ CAT D 800-2 1/4

**CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW RVR 4000 NOT AUTHORIZED.
(SEE FORM 8260-10)**

ELEVATION: 620	TDZE: 611
AIRPORT NAME:	
CHICAGO MIDWAY INTL	

**FACILITY
IDENTIFIER:
RNAV**

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) Z RWY 13C, ORIG-D
 24 JULY 2014

SUP:	
AMDT:	ORIG-C
DATED	08/22/2013

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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NOTES, (CONT.):

CHART NOTE: NIGHT LANDING: RWY 31R NA, RWY 13C CAT C AND D OPERATIONAL VGSI REQUIRED, REMAIN ON OR ABOVE VGSI GLIDEPATH UNTIL THRESHOLD.

CITY AND STATE
CHICAGO, IL

ELEVATION: 620 TDZE: 611
AIRPORT NAME:
CHICAGO MIDWAY INTL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:
RNAV (GPS) Z RWY 13C, ORIG-D
24 JULY 2014

SUP:
AMDT: ORIG-C
DATED: 08/22/2013

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC PACKET - 424-18 - RNAV (GPS)

[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KMDWK5FR13CZ ADPA	010DPA	K5D	0V	A	IF					18000		A	JS
SUSAP KMDWK5FR13CZ ADPA	020HEBKUK5EA0EE	B	010TF			09080191		+	02600			A	JS
SUSAP KMDWK5FR13CZ R	010HEBKUK5EA0E	I	IF					+	02600	18000		A	JS
SUSAP KMDWK5FR13CZ R	020HITOBK5EA1E	F	051TF			13740060		+	02000		RW13C	K5PGA	JS
SUSAP KMDWK5FR13CZ R	020HITOBK5EA2WN			ALNAV/VNAV	ALNAV								JS
SUSAP KMDWK5FR13CZ R	030RW13CK5PG0GY	M	031TF			13750042			00654	-300		A	JS
SUSAP KMDWK5FR13CZ R	040	0	M	CA		1375		+	01020			A	JS
SUSAP KMDWK5FR13CZ R	050WIGTOK5EA0E		DF									A	JS
SUSAP KMDWK5FR13CZ R	060IGECYK5EA0E		010TF			1928			02100			A	JS
SUSAP KMDWK5FR13CZ R	070EON	K5D	0VY	010TF		1870		+	02600			A	JS
SUSAP KMDWK5FR13CZ R	080EON	K5D	0VE	R	HM	18100040		+	02600			A	JS

[illegible][illegible]

CITY AND STATE CHICAGO, IL	ELEVATION: 620	TDZE: 611	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) Z RWY 13C, ORIG-D 24 JULY 2014	SUP:
	AIRPORT NAME: CHICAGO MIDWAY INTL	FACILITY IDENTIFIER: RNAV		AMDT: ORIG-C
				DATED: 08/22/2013

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICES - FAR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	DPA	DPA	010	IAP	IF		FB					
	DPA	HEBKU	020		TF		FB	1.0	090.8(086.8T)	019.1	AA 02600	
		HEBKU	010	FACF	IF		FB				AA 02600	
		HITOB	020	FAF	TF		FB	0.5	137.4(133.4T)	006.0	AA 02000	
		RW13C	030	MAP	TF		FO	0.3	137.5(133.5T)	004.2	AT 00654	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		137.5(133.5T)		AA 01020	
	WIGTO	050		DF		FB					
	IGECY	060		TF		FB	1.0	192.8(188.8T)		AT 02100	
	EON	070		TF		FO	1.0	187.0(183.0T)		AA 02600	
	EON	080		HM	R	FO		181.0(177.0T)	004.0	AA 02600	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	DPA	N415325.31	W0882100.62	N4153.422	W08821.010
	EON	N411610.68	W0874727.79	N4116.178	W08747.463
	HEBKU	N415426.96	W0875528.06	N4154.449	W08755.468
	HITOB	N415019.09	W0874938.29	N4150.318	W08749.638
	IGECY	N413606.87	W0874604.24	N4136.115	W08746.071
	WIGTO	N414617.27	W0874358.14	N4146.288	W08743.969
	RW13C	N414726.51	W0874535.42	N4147.442	W08745.590

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW13C	00608	46



CITY AND STATE CHICAGO, IL	ELEVATION: 620	TDZE: 611	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) Z RWY 13C, ORIG-D 24 JULY 2014	SUP:
	AIRPORT NAME: CHICAGO MIDWAY INTL				AMDT: ORIG-C
					DATED: 08/22/2013

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION		RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33		Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.											
TERMINAL ROUTES				MISSED APPROACH											
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LP: HINSN LNAV: HINSN CLIMB TO 1300 THEN CLIMBING LEFT TURN TO 2600 DIRECT EON VORTAC AND HOLD.											
STERE (IAF)	TACTT (FB)	274.05 / 5.00	3000												
TACTT	SAILZ (FB)	273.97 / 5.00	3000												
SAILZ (IF)	KEEEL (FB)	270.48 / 4.38	2400												
KEEEL (FAF)	ZUDVI/1.60 NM TO HINSN (FB)	237.55 / 3.63													
ZUDVI/1.60 NM TO HINSN	HINSN (MAP) (FO)	237.55 / 1.60		ADDITIONAL FLIGHT DATA: HOLD N, RT, 181.00 INBOUND. CHART FAS OBST: 682 TREE 414808N/0874300W CHART FAS OBST: 762 ANT 414718N/0874419W CHART: 1047 STACK 415103N/0873912W CHART: 745 CHY 414818N/0874246W WAAS CHANNEL # 87132 REFERENCE PATH ID: W22A CHART MANDATORY 3000 AT SAILZ. KEEEL TO HINSN: 3.00/50. CHART TDZE 611.0 CHART CIRCLING ICON. FAC CROSSES RWY C/L EXTENDED 1500 FROM THLD. CHART PLANVIEW NOTE: FINAL APPROACH COURSE OFFSET 10.07 DEGREES. LTP HAE: 151.3 M											
HINSN (MAP)	1300 MSL	237.55	1300												
1300 MSL	EON VORTAC (FO)		2600												
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. PROFILE STARTS AT SAILZ 3. FAC: 237.55 FAF: KEEEL DIST FAF TO MAP: 5.23 THLD: 5.48 4. MIN. ALT: SAILZ 3000, KEEEL 2400, ZUDVI/1.60 NM TO HINSN 1240 5. DIST TO THLD FROM OM: <u> </u> MM: <u> </u> IM: <u> </u> 150 HAT: <u> </u> 100 HAT: <u> </u> GS ANT: <u> </u> 6. MIN GS INCPT: <u> </u> GS ALT AT: <u> </u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u> </u> TCH: 34:1 IS NOT CLEAR 8. MSA FROM: HINSN 3400															
MINIMUMS				MAG VAR: 4W EPOCH YEAR: 2015											
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT			ALTERNATE: N A		STANDARD @										
CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LP MDA	940	1	329	940	1	329	940	1	329	940	1	329			
LNAV MDA	1020	1	409	1020	1	409	1020	1 1/8	409	1020	1 1/8	409			
CIRCLING	1120	1	500	1120	1	500	1340	2	720	1340	2 1/4	720			
NOTES: CHART NOTE: DME/DME RNP-0.3 NA. @ CAT D 800-2 1/4 CHART PLANVIEW NOTE: RADAR REQUIRED. CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT. CHART NOTE: WHEN RWY 22L VGSI INOP, STRAIGHT-IN AND CIRCLING RWY 22L NA AT NIGHT. (SEE FORM 8260-10)															
CITY AND STATE		ELEVATION: 620 TDZE: 611		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:						SUP:			
CHICAGO, IL		AIRPORT NAME:		RNAV		RNAV (GPS) Z RWY 22L, ORIG-A						AMDT: ORIG			
		CHICAGO MIDWAY INTL				24 JULY 2014						DATED 02/06/2014			

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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NOTES, (CONT.):

CHART NOTE: NIGHT LANDING: RWY 31R NA.

CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.

CHART PLANVIEW NOTE AT KEEEL: MAX 170 KIAS.



CITY AND STATE

CHICAGO, IL

ELEVATION: 620

TDZE: 611

AIRPORT NAME:

CHICAGO MIDWAY INTL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:

RNAV (GPS) Z RWY 22L, ORIG-A

24 JULY 2014

SUP:

AMDT: ORIG

DATED: 02/06/2014

**RNAV STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33**

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FAS DATA BLOCK INFORMATION**DATA FIELD****DATA**

OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KMDW
RUNWAY	RW22L
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	Z
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W22A
LTP/FTP LATITUDE	414728.7000N
LTP/FTP LONGITUDE	0874442.8300W
LTP/FTP ELLIPSOIDAL HEIGHT	+01513
FPAP LATITUDE	414635.6460N
FPAP LONGITUDE	0874618.5350W
THRESHOLD CROSSING HEIGHT (TCH)	00050.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0000
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	0.0

CRC REMAINDER

712644F7

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+01847
FPAP ORTHOMETRIC HEIGHT	+01847

QUALITY
2
CHECKED

CITY AND STATE

CHICAGO, IL

ELEVATION: 620

TDZE: 611

AIRPORT NAME:

CHICAGO MIDWAY INTL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) Z RWY 22L, ORIG-A

24 JULY 2014

SUP:

AMDT: ORIG

DATED: 02/06/2014

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KMDWK5FR22LZ	ASTERE	010STEREK5EA0E	A	IF					18000		A JS	
SUSAP	KMDWK5FR22LZ	ASTERE	020TACTTK5EA0E		010TF		27410050	+	03000			A JS	
SUSAP	KMDWK5FR22LZ	ASTERE	030SAILZK5EA0EE	B	010TF		27400050		03000			A JS	
SUSAP	KMDWK5FR22LZ	R	010SAILZK5EA0E	I	IF				03000	18000		A JS	
SUSAP	KMDWK5FR22LZ	R	020KEEELK5EA1E	F	051TF		27050044	+	02400		HINSN K5EAA	JS	
SUSAP	KMDWK5FR22LZ	R	020KEEELK5EA2WALP			N	ALNAV					JS	
SUSAP	KMDWK5FR22LZ	R	021ZUDVIK5EA0E	S	031TF		23760036	V	0124001243		-300	A JS	
SUSAP	KMDWK5FR22LZ	R	030HINSNK5EA0EY	M	031TF		23760016		00733		-300	A JS	
SUSAP	KMDWK5FR22LZ	R	040		0 M	CA	2376	+	01300			A JS	
SUSAP	KMDWK5FR22LZ	R	050EON	K5D	0VY	L	DF		02600			A JS	
SUSAP	KMDWK5FR22LZ	R	060EON	K5D	0VE	R	HM	18100040	+	02600		A JS	

[illegible][illegible]

CITY AND STATE CHICAGO, IL	ELEVATION: 620	TDZE: 611	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME:			RNAV (GPS) Z RWY 22L, ORIG-A	AMDT: ORIG
	CHICAGO MIDWAY INTL		RNAV	24 JULY 2014	DATED: 02/06/2014

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

[illegible]

SUP:	
AMDT:	ORIG
DATED:	02/06/2014

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICES - FAR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	STERE	STERE	010	IAF	IF		FB					
	STERE	TACTT	020		TF		FB	1.0	274.1(270.1T)	005.0	AA 03000	
	STERE	SAILZ	030		TF		FB	1.0	274.0(270.0T)	005.0	AT 03000	
		SAILZ	010	FACF	IF		FB				AT 03000	
		KEEEL	020	FAF	TF		FB	0.5	270.5(266.5T)	004.4	AA 02400	
		ZUDVI	021	SDP	TF		FB	0.3	237.6(233.6T)	003.6	AA 01240	GS 01243
		HINSN	030	MAP	TF		FO	0.3	237.6(233.6T)	001.6	AT 00733	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		237.6(233.6T)		AA 01300	
	EON	050		DF	L	FO				AA 02600	
	EON	060		HM	R	FO		181.0(177.0T)	004.0	AA 02600	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	EON	N411610.68	W0874727.79	N4116.178	W08747.463
	HINSN	N414737.40	W0874427.15	N4147.623	W08744.453
	KEEEL	N415044.19	W0873849.51	N4150.737	W08738.825
	SAILZ	N415100.49	W0873258.19	N4151.008	W08732.970
	STERE	N415100.76	W0871935.35	N4151.013	W08719.589
	TACTT	N415100.82	W0872616.77	N4151.014	W08726.280
	ZUDVI	N414834.31	W0874243.75	N4148.572	W08742.729
	RW22L	N414726.64	W0874440.78	N4147.444	W08744.680

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW22L	00606	50

CITY AND STATE CHICAGO, IL	ELEVATION: 620	TDZE: 611	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME: CHICAGO MIDWAY INTL		RNAV	RNAV (GPS) Z RWY 22L, ORIG-A	AMDT: ORIG
				24 JULY 2014	DATED: 02/06/2014

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.											
TERMINAL ROUTES										MISSED APPROACH					
FROM	TO			COURSE AND DISTANCE			ALTITUDE			LPV: DA LNAV/VNAV: DA LNAV: RW31C CLIMB TO 1100 THEN CLIMBING LEFT TURN TO 2600 DIRECT EON VORTAC AND HOLD. ADDITIONAL FLIGHT DATA: HOLD N, RT, 181.00 INBOUND. CHART FAS OBST: 762 TOWER 414718N/0874419W CHART: 838 TOWER 414415N/0874201W DISTANCE TO THLD FROM 250 HAT: 0.63 NM. CHART VDP AT 1.08 MILES TO RW31C* *LNAV ONLY. WAAS CHANNEL # 50512 REFERENCE PATH ID: W31A CHART CIRCLING ICON. CHART MANDATORY 5000 AT HILLS. LTP HAE: 153.1 M					
HILLS (IAF)	GLEAM (FB)			317.72 / 3.14			4000								
GLEAM (IF)	RUNTS (FB)			317.68 / 4.71			2500								
RUNTS	HOBEL (FB)			317.63 / 2.51			1700								
HOBEL (FAF)	RW31C (MAP) (FO)			317.61 / 3.27			1100								
RW31C (MAP)	1100 MSL			317.61			2600								
1100 MSL	EON VORTAC (FO)														
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. PROFILE STARTS AT HILLS 3. FAC: <u>317.61</u> FAF: <u>HOBEL</u> DIST FAF TO MAP: <u>3.27</u> THLD: <u>3.27</u> 4. MIN. ALT: <u>HILLS 5000, GLEAM 4000, RUNTS 2500, HOBEL 1700</u> 5. DIST TO THLD FROM OM: <u> </u> MM: <u> </u> IM: <u> </u> 150 HAT: <u> </u> 100 HAT: <u> </u> GS ANT: <u> </u> 6. MIN GS INCPT: <u>1700</u> GS ALT AT: <u>HOBEL 1700</u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u>3.00</u> TCH: <u>47.9</u> 34:1 IS NOT CLEAR 8. MSA FROM: <u>RW31C 3400</u>										MAG VAR: 4W EPOCH YEAR: 2015					
MINIMUMS															
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT								ALTERNATE: N A		STANDARD @					
CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	863	4000	250	863	4000	250	863	4000	250	863	4000	250			
LNAV/VNAV DA	953	6000	340	953	6000	340	953	6000	340	953	6000	340			
LNAV MDA	1020	5500	407	1020	5500	407	1020	6000	407	1020	6000	407			
CIRCLING	1120	1	500	1120	1	500	1340	2	720	1340	2 1/4	720			
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -19C (-2F) OR ABOVE 54C @ CAT D 800-2 1/4 (130F). CHART NOTE: DME/DME RNP-0.3 NA. CHART PLANVIEW NOTE: RADAR REQUIRED. (SEE FORM 8260-10)															
CITY AND STATE		ELEVATION: 620 TDZE: 613		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:					
CHICAGO, IL		AIRPORT NAME: CHICAGO MIDWAY INTL				RNAV (GPS) Z RWY 31C, AMDT 4 24 JULY 2014				AMDT: 3					
										DATED 06/27/2013					

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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NOTES, (CONT.):

CHART PROFILE NOTE: VGSi AND RNAV GLIDEPATH NOT COINCIDENT.

CHART NOTE: NIGHT LANDING: RWY 31R NA.



CITY AND STATE CHICAGO, IL	ELEVATION: 620	TDZE: 613	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) Z RWY 31C, AMDT 4 24 JULY 2014	SUP:
	AIRPORT NAME:				AMDT: 3
	CHICAGO MIDWAY INTL				DATED: 06/27/2013

RNAV STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

FAS DATA BLOCK INFORMATIONDATA FIELDDATA

OPERATION TYPE 0
SBAS SERVICE PROVIDER IDENTIFIER 0
AIRPORT IDENTIFIER KMDW
RUNWAY RW31C
APPROACH PERFORMANCE DESIGNATOR 0
ROUTE INDICATOR Z
REFERENCE PATH DATA SELECTOR 0
REFERENCE PATH IDENTIFIER (APPROACH ID) W31A
LTP/FTP LATITUDE 414650.0035N
LTP/FTP LONGITUDE 0874444.1175W
LTP/FTP ELLIPSOIDAL HEIGHT +01531
FPAP LATITUDE 414751.4300N
FPAP LONGITUDE 0874610.4300W
THRESHOLD CROSSING HEIGHT (TCH) 00047.9
TCH UNITS SELECTOR (METERS OR FEET USED) F
GLIDEPATH ANGLE (GPA) 03.00
COURSE WIDTH AT THRESHOLD 106.75
LENGTH OFFSET 0976
HORIZONTAL ALERT LIMIT (HAL) 40.0
VERTICAL ALERT LIMIT (VAL) 50.0

CRC REMAINDER

8C5F30A4

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K5
LTP ORTHOMETRIC HEIGHT +01865
FPAP ORTHOMETRIC HEIGHT +01865

CITY AND STATE

CHICAGO, IL

ELEVATION: 620

TDZE: 613

AIRPORT NAME:

CHICAGO MIDWAY INTL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) Z RWY 31C, AMDT 4

24 JULY 2014

SUP:

AMDT: 3

DATED: 06/27/2013

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KMDWK5FR31CZ AHILLS	010HILLSK5EA0E	A	IF					05000	18000			A JS	
SUSAP KMDWK5FR31CZ AHILLS	020GLEAMK5EA0EE	B	010TF			31770031	+	04000				A JS	
SUSAP KMDWK5FR31CZ R	010GLEAMK5EA0E	I	IF				+	04000	18000			A JS	
SUSAP KMDWK5FR31CZ R	011RUNTSK5EA0E	S	051TF			31770047	+	02500				A JS	
SUSAP KMDWK5FR31CZ R	020HOBELK5EA1E	F	051TF			31760025	+	01700			RW31C K5PGA	JS	
SUSAP KMDWK5FR31CZ R	020HOBELK5EA2WALPV			ALNAV/VNAV	ALNAV							JS	
SUSAP KMDWK5FR31CZ R	030RW31CK5PG0GY	M	031TF			31760033		00660		-300		A JS	
SUSAP KMDWK5FR31CZ R	040	0	M	CA		3176	+	01100				A JS	
SUSAP KMDWK5FR31CZ R	050EON	K5D	0VY	L	DF			+	02600			A JS	
SUSAP KMDWK5FR31CZ R	060EON	K5D	0VE	R	HM	18100040		+	02600			A JS	

[illegible][illegible]

SUP:	
AMDT:	3
DATED:	06/27/2013

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICES - FAR PART 97.33

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MSA 1234567890123456789012345678901234567890123456789012345678901234567890123456789012

SUSAP KMDWK5SRW31CK5PG 0 18018003425 M

CITY AND STATE CHICAGO, IL	ELEVATION: 620	TDZE: 613	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) Z RWY 31C, AMDT 4 24 JULY 2014	SUP:
	AIRPORT NAME: CHICAGO MIDWAY INTL	AMDT: 3			
	DATED: 06/27/2013				

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICES - FAR PART 97.33

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ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	HILLS	HILLS	010	IAF	IF		FB				AT 05000	
	HILLS	GLEAM	020		TF		FB	1.0	317.7(313.7T)	003.1	AA 04000	
		GLEAM	010	FACF	IF		FB				AA 04000	
		RUNTS	011	SDF	TF		FB	0.5	317.7(313.7T)	004.7	AA 02500	
		HOBEL	020	FAF	TF		FB	0.5	317.6(313.6T)	002.5	AA 01700	
		RW31C	030	MAP	TF		FO	0.3	317.6(313.6T)	003.3	AT 00660	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		317.6(313.6T)		AA 01100	
	EON	050		DF	L	FO				AA 02600	
	EON	060		HM	R	FO		181.0(177.0T)	004.0	AA 02600	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	EON	N411610.68	W0874727.79	N4116.178	W08747.463
	GLEAM	N413935.61	W0873435.83	N4139.594	W08734.597
	HILLS	N413725.40	W0873134.18	N4137.423	W08731.570
	HOBEL	N414434.81	W0874134.43	N4144.580	W08741.574
	RUNTS	N414250.79	W0873908.71	N4142.847	W08739.145
	RW31C	N414650.00	W0874444.12	N4146.833	W08744.735

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW31C	00612	48

CITY AND STATE CHICAGO, IL	ELEVATION: 620	TDZE: 613	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) Z RWY 31C, AMDT 4 24 JULY 2014	SUP:
	AIRPORT NAME: CHICAGO MIDWAY INTL				AMDT: 3
					DATED: 06/27/2013

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (RNP) - STANDARD,
INSTRUMENT APPROACH PROCEDURE, - TITLE 14 CFR PART 97.33

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TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
HILND	YIPEE (RF) (FB) (RNP 0.60)	(2.44 NM RADIUS CW (CFBDJ)/3.83	1700
YIPEE (FAF)	RW04R (MAP) (TF) (FO)	047.45 / 3.24	
RW04R (MAP)	1100 MSL (CA)	047.45	1100
1100 MSL	EON VORTAC (DF) (FO)		2600

NOTES, (CONT.):

CHART PLANVIEW NOTE ADJACENT TO OLCYK IAF: RF REQUIRED.

CHART PLANVIEW NOTE AT OLCYK: (RNP 0.60).

CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.

CHART PROFILE NOTE: SEE PLANVIEW FOR MULTIPLE IF LOCATIONS.

CHART NOTE: WHEN RWY 4R VGSI INOPERATIVE, PROCEDURE NA AT NIGHT.

QUALITY
2
CHECKED

CITY AND STATE

CHICAGO, IL

ELEVATION: 620

TDZE: 619

AIRPORT NAME:

CHICAGO MIDWAY INTL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:

RNAV (RNP) Y RWY 4R, ORIG-A

24 JULY 2014

SUP:

AMDT: ORIG

DATED: 06/27/2013

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (RNP) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICES - FAR PART 97.33

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ARINC PACKET - 424-18 - RNAV (RNP)

	1	2	3	4	5	6	7	8	9	0	1	2	3
NAVAID	1234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAD	EON	K5011320VTL	N41161068W087472779	N41161068W087472779	E0020006891	NARPEOTONE							

	1	2	3	4	5	6	7	8	9	0	1	2	3
AIRPORT	1234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP	KMDWK5AMDW	0	065YHN41470950W087450870W004000620	1800018000C	MNAR	CHICAGO MIDWAY INTL							

	1	2	3	4	5	6	7	8	9	0	1	2	3
TRM WP	1234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP	KMDWK5CBANER	K50	C	N41363818W087581939				W0035	NAR		BANER		
SUSAP	KMDWK5CCADON	K50	C	N41390658W087551263				W0035	NAR		CADON		
SUSAP	KMDWK5CCFBDJ	K50	A	N41424690W087460552				W0037	NAR		CNF (CFBDJ)		
SUSAP	KMDWK5CCITGO	K50	C	N41425182W087502852				W0036	NAR		CITGO		
SUSAP	KMDWK5CHILND	K50	W	N41410060W087481992				W0036	NAR		HILND		
SUSAP	KMDWK5COLCYK	K50	W	N41322469W087361606				W0038	NAR		OLCYK		
SUSAP	KMDWK5CSAVRD	K50	W	N41382363W087443907				W0037	NAR		SAVRD		
SUSAP	KMDWK5CYIPEE	K50	W	N41442763W087482741				W0036	NAR		YIPEE		

	1	2	3	4	5	6	7	8	9	0	1	2	3
SEGMENT	1234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP	KMDWK5FH04RY	ABANER	010BANERK5PC0E	A	IF				+ 05000	18000		A	FS
SUSAP	KMDWK5FH04RY	ABANER	020CADONK5PC0E	B	010TF				+ 04000			A	FS
SUSAP	KMDWK5FH04RY	ABANER	030CITGOK5PC0E		010TF				+ 02400			A	FS
SUSAP	KMDWK5FH04RY	ABANER	040YIPEEK5PC0EE		010TF				+ 01700			A	FS
SUSAP	KMDWK5FH04RY	AOLCYK	010OLCYKK5PC0E	A	IF				+ 04000	18000		A	FS
SUSAP	KMDWK5FH04RY	AOLCYK	020SAVRDK5PC0E	B	010TF				04000			A	FS
SUSAP	KMDWK5FH04RY	AOLCYK	030HILNDK5PC0E		010TF				+ 02700	210		A	FS
SUSAP	KMDWK5FH04RY	AOLCYK	040YIPEEK5PC0EE	R061RF		0024403175	04750038		+ 01700		CFBDJ K5PCA	FS	
SUSAP	KMDWK5FH04RY	H	020YIPEEK5PC1E	F	IF				+ 01700	18000	RW04R K5PGA	FS	
SUSAP	KMDWK5FH04RY	H	020YIPEEK5PC2W							A031A182		FS	
SUSAP	KMDWK5FH04RY	H	030RW04RK5PG0GY	M	031TF				00669	-300		A	FS
SUSAP	KMDWK5FH04RY	H	040	0	M	CA	0475		+ 01100			A	FS
SUSAP	KMDWK5FH04RY	H	050EON	K5D	OVY	R	DF		+ 02600			A	FS
SUSAP	KMDWK5FH04RY	H	060EON	K5D	OVE	R	HM	18100040	+ 02600			A	FS

	1	2	3	4	5	6	7	8	9	0	1	2	3
RUNWAY	1234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP	KMDWK5GRW04R	0064450475	N41464870W087452885-0200	+0155300619051850150IIHKH1									

QUALITY
CHECKED

CITY AND STATE CHICAGO, IL	ELEVATION: 620 AIRPORT NAME: CHICAGO MIDWAY INTL	TDZE: 619	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (RNP) Y RWY 4R, ORIG-A 24 JULY 2014	SUP: AMDT: ORIG DATED: 06/27/2013

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (RNP) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICES - FAR PART 97.33

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	1	2	3	4	5	6	7	8	9	0	1	2	3
MSA	1	2	3	4	5	6	7	8	9	0	1	2	3
	2	3	4	5	6	7	8	9	0	1	2	3	4
	5	6	7	8	9	0	1	2	3	4	5	6	7
	6	7	8	9	0	1	2	3	4	5	6	7	8
	7	8	9	0	1	2	3	4	5	6	7	8	9
	8	9	0	1	2	3	4	5	6	7	8	9	0
	9	0	1	2	3	4	5	6	7	8	9	0	1
	0	1	2	3	4	5	6	7	8	9	0	1	2
	1	2	3	4	5	6	7	8	9	0	1	2	3
	2	3	4	5	6	7	8	9	0	1	2	3	4
	3	4	5	6	7	8	9	0	1	2	3	4	5
	4	5	6	7	8	9	0	1	2	3	4	5	6
	5	6	7	8	9	0	1	2	3	4	5	6	7
	6	7	8	9	0	1	2	3	4	5	6	7	8
	7	8	9	0	1	2	3	4	5	6	7	8	9
	8	9	0	1	2	3	4	5	6	7	8	9	0
	9	0	1	2	3	4	5	6	7	8	9	0	1
	0	1	2	3	4	5	6	7	8	9	0	1	2
	1	2	3	4	5	6	7	8	9	0	1	2	3
	2	3	4	5	6	7	8	9	0	1	2	3	4
	3	4	5	6	7	8	9	0	1	2	3	4	5
	4	5	6	7	8	9	0	1	2	3	4	5	6
	5	6	7	8	9	0	1	2	3	4	5	6	7
	6	7	8	9	0	1	2	3	4	5	6	7	8
	7	8	9	0	1	2	3	4	5	6	7	8	9
	8	9	0	1	2	3	4	5	6	7	8	9	0
	9	0	1	2	3	4	5	6	7	8	9	0	1
	0	1	2	3	4	5	6	7	8	9	0	1	2
	1	2	3	4	5	6	7	8	9	0	1	2	3
	2	3	4	5	6	7	8	9	0	1	2	3	4
	3	4	5	6	7	8	9	0	1	2	3	4	5
	4	5	6	7	8	9	0	1	2	3	4	5	6
	5	6	7	8	9	0	1	2	3	4	5	6	7
	6	7	8	9	0	1	2	3	4	5	6	7	8
	7	8	9	0	1	2	3	4	5	6	7	8	9
	8	9	0	1	2	3	4	5	6	7	8	9	0
	9	0	1	2	3	4	5	6	7	8	9	0	1
	0	1	2	3	4	5	6	7	8	9	0	1	2
	1	2	3	4	5	6	7	8	9	0	1	2	3
	2	3	4	5	6	7	8	9	0	1	2	3	4
	3	4	5	6	7	8	9	0	1	2	3	4	5
	4	5	6	7	8	9	0	1	2	3	4	5	6
	5	6	7	8	9	0	1	2	3	4	5	6	7
	6	7	8	9	0	1	2	3	4	5	6	7	8
	7	8	9	0	1	2	3	4	5	6	7	8	9
	8	9	0	1	2	3	4	5	6	7	8	9	0
	9	0	1	2	3	4	5	6	7	8	9	0	1
	0	1	2	3	4	5	6	7	8	9	0	1	2
	1	2	3	4	5	6	7	8	9	0	1	2	3
	2	3	4	5	6	7	8	9	0	1	2	3	4
	3	4	5	6	7	8	9	0	1	2	3	4	5
	4	5	6	7	8	9	0	1	2	3	4	5	6
	5	6	7	8	9	0	1	2	3	4	5	6	7
	6	7	8	9	0	1	2	3	4	5	6	7	8
	7	8	9	0	1	2	3	4	5	6	7	8	9
	8	9	0	1	2	3	4	5	6	7	8	9	0
	9	0	1	2	3	4	5	6	7	8	9	0	1
	0	1	2	3	4	5	6	7	8	9	0	1	2
	1	2	3	4	5	6	7	8	9	0	1	2	3
	2	3	4	5	6	7	8	9	0	1	2	3	4
	3	4	5	6	7	8	9	0	1	2	3	4	5
	4	5	6	7	8	9	0	1	2	3	4	5	6
	5	6	7	8	9	0	1	2	3	4	5	6	7
	6	7	8	9	0	1	2	3	4	5	6	7	8
	7	8	9	0	1	2	3	4	5	6	7	8	9
	8	9	0	1	2	3	4	5	6	7	8	9	0
	9	0	1	2	3	4	5	6	7	8	9	0	1
	0	1	2	3	4	5	6	7	8	9	0	1	2
	1	2	3	4	5	6	7	8	9	0	1	2	3
	2	3	4	5	6	7	8	9	0	1	2	3	4
	3	4	5	6	7	8	9	0	1	2	3	4	5
	4	5	6	7	8	9	0	1	2	3	4	5	6
	5	6	7	8	9	0	1	2	3	4	5	6	7
	6	7	8	9	0	1	2	3	4	5	6	7	8
	7	8	9	0	1	2	3	4	5	6	7	8	9
	8	9	0	1	2	3	4	5	6	7	8	9	0
	9	0	1	2	3	4	5	6	7	8	9	0	1
	0	1	2	3	4	5	6	7	8	9	0	1	2
	1	2	3	4	5	6	7	8	9	0	1	2	3
	2	3	4	5	6	7	8	9	0	1	2	3	4
	3	4	5	6	7	8	9	0	1	2	3	4	5
	4	5	6	7	8	9	0	1	2	3	4	5	6
	5	6	7	8	9	0	1	2	3	4	5	6	7
	6	7	8	9	0	1	2	3	4	5	6	7	8
	7	8	9	0	1	2	3	4	5	6	7	8	9
	8	9	0	1	2	3	4	5	6	7	8	9	0
	9	0	1	2	3	4	5	6	7	8	9	0	1
	0	1	2	3	4	5	6	7	8	9	0	1	2
	1	2	3	4	5	6	7	8	9	0	1	2	3
	2	3	4	5	6	7	8	9	0	1	2	3	4
	3	4	5	6	7	8	9	0	1	2	3	4	5
	4	5	6	7	8	9	0	1	2	3	4	5	6
	5	6	7	8	9	0	1	2	3	4	5	6	7
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	7	8	9	0	1	2	3	4	5	6	7	8	9
	8	9	0	1	2	3	4	5	6	7	8	9	0
	9	0	1	2	3	4	5	6	7	8	9	0	1
	0	1	2	3	4	5	6	7	8	9	0	1	2
	1	2	3	4	5	6	7	8	9	0	1	2	3
	2	3	4	5	6	7	8	9	0	1	2	3	4
	3	4	5	6	7	8	9	0	1	2	3	4	5
	4	5	6	7	8	9	0	1	2	3	4	5	6
	5	6	7	8	9	0	1	2	3	4	5	6	7
	6	7	8	9	0	1	2	3	4	5	6	7	8
	7	8	9	0	1	2	3	4	5	6	7	8	9
	8	9	0	1	2	3	4	5	6	7	8	9	0
	9	0	1	2	3	4	5	6	7	8	9	0	1
	0	1	2	3	4	5	6	7	8	9	0	1	2
	1	2	3	4	5	6	7	8	9	0	1	2	3
	2	3	4	5	6	7	8	9	0	1	2	3	4
	3	4	5	6	7	8	9	0	1	2	3	4	5
	4	5	6	7	8	9	0	1	2	3	4	5	6
	5	6	7	8	9	0	1	2	3	4	5	6	7
	6	7	8	9	0	1	2	3	4	5	6	7	8
	7	8	9	0	1	2	3	4	5	6	7	8	9
	8	9	0	1	2	3	4	5	6	7	8	9	0
	9	0	1	2	3	4	5	6	7	8	9	0	1
	0	1	2	3	4	5	6	7	8	9	0	1	2
	1	2	3	4	5	6	7	8	9	0	1	2	3
	2	3	4	5	6	7	8	9	0	1	2	3	4
	3	4	5	6	7	8	9	0	1	2	3	4	5
	4	5	6	7	8	9	0	1	2	3	4	5	6
	5	6	7	8	9	0	1	2	3	4	5	6	7
	6	7	8	9	0	1	2	3	4	5	6	7	8
	7	8	9	0	1	2	3	4	5	6	7	8	9
	8	9	0	1	2	3	4	5	6	7	8	9	0
	9	0	1	2	3	4	5	6	7	8	9	0	1
	0	1	2	3	4	5	6	7	8	9	0	1	2
	1	2	3	4	5	6	7	8	9	0	1	2	3
	2	3	4	5	6	7	8	9	0	1	2	3	4
	3	4	5	6	7	8	9	0	1	2	3	4	5
	4	5	6	7	8	9	0	1	2	3	4	5	6
	5	6	7	8	9	0	1	2	3	4	5	6	7
	6	7	8	9	0	1	2	3	4	5	6	7	8
	7	8	9	0	1	2	3	4	5	6	7	8	9
	8	9	0	1	2	3	4	5	6	7	8	9	0
	9	0	1	2	3	4	5	6	7	8	9	0	1
	0	1	2	3	4	5	6	7	8	9	0	1	2
	1	2	3	4	5	6	7	8	9	0	1	2	3
	2	3	4	5	6	7	8	9	0	1	2	3	4
	3	4											

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (RNP) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICES - FAR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - 424-18 - RNAV (RNP)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	BANER	BANER	010	IAF	IF		FB				AA 05000	
	BANER	CADON	020		TF		FB	1.0			AA 04000	
	BANER	CITGO	030		TF		FB	1.0			AA 02400	
	BANER	YIPEE	040		TF		FB	1.0			AA 01700	
	OLCYK	OLCYK	010	IAF	IF		FB				AA 04000	
	OLCYK	SAVRD	020		TF		FB	1.0			AT 04000	
	OLCYK	HILND	030		TF		FB	1.0			AA 02700	AB 210
	OLCYK	YIPEE	040		RF	R	FB	0.6		003.8	AA 01700	
		YIPEE	020	FAF	IF		FB				AA 01700	
		RW04R	030	MAP	TF		FO	0.3			AT 00669	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		047.5 (043.5T)		AA 01100	
	EON	050		DF	R	FO				AA 02600	
	EON	060		HM	R	FO		181.0 (177.0T)	004.0	AA 02600	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	EON	N411610.68	W0874727.79	N4116.178	W08747.463
	BANER	N413638.18	W0875819.39	N4136.636	W08758.323
	CADON	N413906.58	W0875512.63	N4139.110	W08755.211
	CFBDJ	N414246.90	W0874605.52	N4142.782	W08746.092
	CITGO	N414251.82	W0875028.52	N4142.864	W08750.475
	HILND	N414100.60	W0874819.92	N4141.010	W08748.332
	OLCYK	N413224.69	W0873616.06	N4132.412	W08736.268
	SAVRD	N413823.63	W0874439.07	N4138.394	W08744.651
	YIPEE	N414427.63	W0874827.41	N4144.461	W08748.457
	RW04R	N414648.70	W0874528.85	N4146.812	W08745.481

RUNWAY DATA	THRESHOLD		TCH
	RWY	ELEVATION	
	RW04R	00619	50

QUALITY
2
CHECKED

CITY AND STATE CHICAGO, IL	ELEVATION: 620	TDZE: 619	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (RNP) Y RWY 4R, ORIG-A 24 JULY 2014	SUP:
	AIRPORT NAME: CHICAGO MIDWAY INTL				AMDT: ORIG
					DATED: 06/27/2013

RNAV (RNP) - STANDARD, INSTRUMENT APPROACH PROCEDURE, TITLE 14 CFR PART 97.33				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.											
US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION															
TERMINAL ROUTES				MISSED APPROACH											
FROM	TO	COURSE AND DISTANCE	ALTITUDE	RNP: DA											
ZABNU (IAF)	TOYUL (TF) (FB) (RNP 1.00)	052.20 / 14.94	2500	CLIMB TO 1100 THEN CLIMBING RIGHT TURN TO 2600 DIRECT EON VORTAC AND HOLD.											
TOYUL (IF)	GIKLE (TF) (FB) (RNP 1.00)	052.36 / 5.15	2500												
GIKLE	JUPIR (TF) (FB) (RNP 1.00)	057.46 / 5.95	2000												
JUPIR	NIDEE (RF) (FB) (RNP 1.00)	(2.44 NM RADIUS CW (CFCUO))/2.18	2000												
TINLY (IF)	OOPLA (TF) (FB) (RNP 1.00)	320.03 / 9.48	4000	ADDITIONAL FLIGHT DATA: HOLD N, RT, 181.00 INBOUND. CHART FAS OBST: 673 TREE 414751N/0874556W CHART FAS OBST: 757 WATER TWR 414818N/0874621W CHART FAS OBST: 712 SIGN 414827N/0874632W CHART: 644 TREE 414731N/0874548W CHART: 756 TANK 414818N/0874620W ROUTE TYPE: A, H ROUTE TYPE QUALIFIER 1: F ROUTE TYPE QUALIFIER 2: S DISTANCE TO THLD FROM 280 HAT: 0.73 NM. CHART MANDATORY 2000 AT JUPIR. CHART MANDATORY 4000 AT ZABNU. CHART MANDATORY 3000 AT YUCAN. CHART MANDATORY 4000 AT OOPLA. CHART MANDATORY 4000 AT PLOPP. (SEE FORM 8260-10)											
(SEE FORM 8260-10)															
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)				(SEE FORM 8260-10)											
2. PROFILE STARTS AT JUPIR															
3. FAC: * FAF: *SEE TERMINAL ROUTES FROM NIDEE DIST FAF TO MAP: _____ THLD: _____															
4. MIN. ALT: JUPIR 2000, NIDEE 2000															
5. DIST TO THLD FROM OM: 4.23 MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____															
6. MIN GS INCPT: 2000 GS ALT AT: NIDEE 2000, DULTE 1609 OM: _____ MM: _____ IM: _____															
7. GS ANGLE: 3.00 TCH: #46.0 34:1 IS NOT CLEAR															
8. MSA FROM: RW13C 3400															
MINIMUMS															
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE: N A											
				STANDARD											
CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
AUTHORIZATION REQUIRED															
RNP 0.11 DA	891	5000	280	891	5000	280	891	5000	280	891	5000	280			
RNP 0.18 DA	997	1 1/4	386	997	1 1/4	386	997	1 1/4	386	997	1 1/4	386			
RNP 0.30 DA	1049	1 1/2	438	1049	1 1/2	438	1049	1 1/2	438	1049	1 1/2	438			
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -19C (-2F) OR ABOVE 54C (130F). CHART PLANVIEW NOTE: RADAR REQUIRED. CHART NOTE: RF REQUIRED. (SEE FORM 8260-10)															
CITY AND STATE		ELEVATION: 620 TDZE: 611		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:						SUP:			
CHICAGO, IL		AIRPORT NAME:		RNAV		RNAV (RNP) Y RWY 13C, AMDT 2A 24 JULY 2014						AMDT: 2			
		CHICAGO MIDWAY INTL										DATED 06/27/2013			

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (RNP) - STANDARD,
INSTRUMENT APPROACH PROCEDURE, - TITLE 14 CFR PART 97.33

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TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
OOPLA	GIKLE (RF) (FB) (RNP 1.00)	(4.02 NM RADIUS CW (CFBDP))/6.84	2500
PLOPP (IF)	YUCAN (TF) (FB) (RNP 1.00)	317.50 / 3.47	3000
YUCAN	JUPIR (RF) (FB) (RNP 1.00)	(2.44 NM RADIUS CW (CFCUO))/4.26	2000
NIDEE (FAF)	*DULTE (RF) (FB)	(2.44 NM RADIUS CW (CFCUO))/1.23	
DULTE	*RW13C (MAP) (TF) (FO)	137.52 / 3.00	
RW13C (MAP)	1100 MSL (CA)	137.52	1100
1100 MSL	EON VORTAC (DF) (FO)		2600

ADDITIONAL FLIGHT DATA, (CONT.):
 CHART MANDATORY 2500 AT GIKLE.
 #TCH 654.1 (DO NOT CHART)

NOTES, (CONT.):

CHART NOTE: GPS REQUIRED.
 CHART PLANVIEW NOTE AT PLOPP : MAX 210 KIAS.
 CHART PLANVIEW NOTE AT JUPIR : MAX 210 KIAS.
 CHART PROFILE NOTE: SEE PLANVIEW FOR MULTIPLE IF LOCATIONS.
 CHART NOTE: NIGHT LANDING: RWY 13C CAT C AND D OPERATIONAL VGSI REQUIRED, REMAIN ON OR ABOVE VGSI GLIDEPATH UNTIL THRESHOLD.

CITY AND STATE
 CHICAGO, IL

ELEVATION: 620 **TDZE:** 611
AIRPORT NAME:
 CHICAGO MIDWAY INTL

FACILITY IDENTIFIER:
 RNAV

PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:
 RNAV (RNP) Y RWY 13C, AMDT 2A
 24 JULY 2014

SUP:
AMDT: 2
DATED: 06/27/2013

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

[illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KMDWK5FH13CY	APLOPP	010PLOPPK5PC0E	B	IF				04000	18000210		A-FS	
SUSAP	KMDWK5FH13CY	APLOPP	020YUCANK5PC0E		010TF				03000			A FS	
SUSAP	KMDWK5FH13CY	APLOPP	030JUPIRK5PC0EE	R010RF		0024403175	05750043		02000	210	CFCUO	K5PCA-FS	
SUSAP	KMDWK5FH13CY	ATINLY	010TINLYK5PC0E	B	IF					18000		A FS	
SUSAP	KMDWK5FH13CY	ATINLY	020OOPLAK5PC0E		010TF				04000			A FS	
SUSAP	KMDWK5FH13CY	ATINLY	030GIKLEK5PC0E	R010RF		0040203200	05750068		02500		CFBDP	K5PCA FS	
SUSAP	KMDWK5FH13CY	ATINLY	040JUPIRK5PC0EE		010TF				02000	210		A-FS	
SUSAP	KMDWK5FH13CY	AZABNU	010ZABNUK5PC0E	A	IF				04000	18000		A FS	
SUSAP	KMDWK5FH13CY	AZABNU	020TOYULK5PC0E	B	010TF			+	02500			A FS	
SUSAP	KMDWK5FH13CY	AZABNU	030GIKLEK5PC0E		010TF				02500			A FS	
SUSAP	KMDWK5FH13CY	AZABNU	040JUPIRK5PC0EE		010TF				02000	210		A-FS	
SUSAP	KMDWK5FH13CY	H	010JUPIRK5PC0E	I	IF				02000	18000210	RW13C	K5PGA-FS	
SUSAP	KMDWK5FH13CY	H	020NIDEEK5PC1E	FR010RF		0024400575	10870022	+	02000		CFCUO	K5PCA FS	
SUSAP	KMDWK5FH13CY	H	020NIDEEK5PC2W							A031A182A112		FS	
SUSAP	KMDWK5FH13CY	H	021DULTEK5PC0E	R031RF		0024401087	13750012			-300CFCUO	K5PCA FS		

QUALITY
2
CHECKED

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

SUSAP	KMDWK5FH13CY	H	030RW13CK5PG0GY	M	031TF		
SUSAP	KMDWK5FH13CY	H	040	0	M	CA	
SUSAP	KMDWK5FH13CY	H	050EON	KSD	OVY	DF	
SUSAP	KMDWK5FH13CY	H	060EON	KSD	OVE	R	HM

	00654	-300	A FS
1375	+ 01100		A FS
	+ 02600		A FS
18100040	+ 02600		A FS

[illegible]

SUSAP KMDWK5GRW13C 0065221376 N41472651W087453542+0100 +0151900608046346150IIMDW1

[illegible]

SUSAP KMDWK5SRW13CK5PG 0 18018003425

M

ELEVATION: 620	TDZE: 611
AIRPORT NAME: CHICAGO MIDWAY INTL	

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
RNAV (RNP) Y RWY 13C, AMDT 2A
24 JULY 2014

SUP:	
AMDT:	2
DATED:	06/27/2013

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U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (RNP) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICES - FAR PART 97.33

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ARINC SUMMARY - 424-18 - RNAV (RNP)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	PLOPP	PLOPP	010		IF		FB				AT 04000	AB 210
	PLOPP	YUCAN	020		TF		FB	1.0			AT 03000	
	PLOPP	JUPIR	030		RF	R	FB	1.0		004.3	AT 02000	AB 210
	TINLY	TINLY	010		IF		FB					
	TINLY	OOPLA	020		TF		FB	1.0			AT 04000	
	TINLY	GIKLE	030		RF	R	FB	1.0		006.8	AT 02500	
	TINLY	JUPIR	040		TF		FB	1.0			AT 02000	AB 210
	ZABNU	ZABNU	010	IAF	IF		FB				AT 04000	
	ZABNU	TOYUL	020		TF		FB	1.0			AA 02500	
	ZABNU	GIKLE	030		TF		FB	1.0			AT 02500	
	ZABNU	JUPIR	040		TF		FB	1.0			AT 02000	AB 210
		JUPIR	010	FACF	IF		FB				AT 02000	AB 210
		NIDEE	020	FAF	RF	R	FB	1.0		002.2	AA 02000	
		DULTE	021		RF	R	FB	0.3		001.2		
		RW13C	030	MAP	TF		FO	0.3			AT 00654	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		137.5 (133.5T)		AA 01100	
	EON	050		DF		FO				AA 02600	
	EON	060		HM	R	FO		181.0 (177.0T)	004.0	AA 02600	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	EON	N411610.68	W0874727.79	N4116.178	W08747.463
	CFBDP	N414255.85	W0875553.02	N4142.931	W08755.884
	CFCUO	N414744.32	W0875044.69	N4147.739	W08750.745
	DULTE	N414930.55	W0874829.92	N4149.509	W08748.499
	GIKLE	N414609.63	W0875904.66	N4146.161	W08759.078
	JUPIR	N414942.11	W0875241.04	N4149.702	W08752.684
	NIDEE	N415005.99	W0874955.01	N4150.100	W08749.917
	OOPLA	N414008.20	W0875944.29	N4140.137	W08759.738
	PLOPP	N414334.64	W0874937.44	N4143.577	W08749.624
	TINLY	N413319.08	W0875057.56	N4133.318	W08750.959
	TOYUL	N414244.18	W0880413.55	N4142.736	W08804.226
	YUCAN	N414558.04	W0875259.33	N4145.967	W08752.989
	ZABNU	N413247.40	W0881905.83	N4132.790	W08819.097
	RW13C	N414726.51	W0874535.42	N4147.442	W08745.590

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH

QUALITY
2
2013

CITY AND STATE CHICAGO, IL	ELEVATION: 620	TDZE: 611	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME: CHICAGO MIDWAY INTL		RNAV	RNAV (RNP) Y RWY 13C, AMDT 2A	AMDT: 2
				24 JULY 2014	DATED: 06/27/2013

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (RNP) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICES - FAR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

RW13C 00608 46

CITY AND STATE
CHICAGO, IL

ELEVATION: 620 TDZE: 611
AIRPORT NAME:
CHICAGO MIDWAY INTL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
RNAV (RNP) Y RWY 13C, AMDT 2A
24 JULY 2014

SUP:
AMDT: 2
DATED: 06/27/2013

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION						RNAV (RNP) - STANDARD, INSTRUMENT APPROACH PROCEDURE, TITLE 14 CFR PART 97.33						Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.							
TERMINAL ROUTES										MISSED APPROACH									
FROM		TO			COURSE AND DISTANCE				ALTITUDE		RNP: DA								
STERE (IAF)		TACTT (TF) (FB) (RNP 1.00)			274.05 / 5.00				3000		CLIMB TO 1300 THEN CLIMBING LEFT TURN TO 2600 DIRECT EON VORTAC AND HOLD. ADDITIONAL FLIGHT DATA: HOLD N, RT, 181.00 INBOUND. CHART FAS OBST: 708 TOWER 414808N/0874410W DISTANCE TO THLD FROM 340 HATH: 0.93 NM. CHART MANDATORY 3000 AT TACTT. CHART MANDATORY 3000 AT SAILZ. CHART MANDATORY 4000 AT FENCK. CHART MANDATORY 4000 AT MIING. CHART MINIMUM 3000 AT STERE. ROUTE TYPE: A, H ROUTE TYPE QUALIFIER 1: F ROUTE TYPE QUALIFIER 2: S #TCH 656.0 (DO NOT CHART) CHART TDZE 611.0								
TACTT		SAILZ (TF) (FB) (RNP 1.00)			273.97 / 5.00				3000										
SAILZ (IF)		KEEEL (TF) (FB) (RNP 0.90)			270.48 / 4.38				2400										
KEEEL		JIBBB (TF) (FB) (RNP 0.30)			250.83 / 1.66				1900										
JIBBB		YACHT (RF) (FB) (RNP 0.30)			(3.10 NM RADIUS CCW (CFBDN) / 1.26				1500										
(SEE FORM 8260-10)																			
1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)																			
2. PROFILE STARTS AT YACHT																			
3. FAC: 227.51 FAF: DIST FAF TO MAP: THLD:																			
4. MIN. ALT: YACHT 1500																			
5. DIST TO THLD FROM OM: 2.65 MM: IM: 150 HAT: 100 HAT: GS ANT:																			
6. MIN GS INCPT: 1500 GS ALT AT: YACHT 1500 OM: MM: IM:																			
7. GS ANGLE: 3.00 TCH: 50.0# 34:1 IS NOT CLEAR																			
8. MSA FROM: RW22L 3400										MAG VAR: 4W EPOCH YEAR: 2015									
MINIMUMS																			
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT										ALTERNATE: NA		STANDARD							
CATEGORY =====>	A			B			C			D			E						
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA				
AUTHORIZATION REQUIRED																			
RNP 0.18 DA	951	1 1/8	340	951	1 1/8	340	951	1 1/8	340	951	1 1/8	340							
RNP 0.30 DA	1001	1 1/4	390	1001	1 1/4	390	1001	1 1/4	390	1001	1 1/4	390							
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -19C (-2F) OR ABOVE 54C (130F). CHART NOTE: RF REQUIRED. CHART NOTE: GPS REQUIRED. (SEE FORM 8260-10)																			
CITY AND STATE CHICAGO, IL			ELEVATION: 620 TDZE: 611 AIRPORT NAME: CHICAGO MIDWAY INTL			FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (RNP) Y RWY 22L, AMDT 1 24 JULY 2014						SUP: AMDT: ORIG DATED 02/06/2014					

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
**RNAV (RNP) - STANDARD,
 INSTRUMENT APPROACH PROCEDURE, - TITLE 14 CFR PART 97.33**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
MIING (IF)	FENCK (TF) (FB) (RNP 1.00)	090.44 / 3.00	4000
FENCK	ZASIV (RF) (FB) (RNP 1.00)	(2.60 NM RADIUS CCW (CFBDK) / 3.98	2900
ZASIV	EGLUQ (RF) (FB) (RNP 0.90)	(1.89 NM RADIUS CCW (CFBDL) / 2.98	1900
EGLUQ	YACHT (RF) (FB) (RNP 0.40)	(1.89 NM RADIUS CCW (CFBDM) / 1.48	1500
YACHT (FAF)	RW22L (MAP) (TF) (FO)	227.51 / 2.65	
RW22L (MAP)	1300 MSL (CA)	227.51	1300
1300 MSL	EON VORTAC (DF) (FO)		2600

NOTES, (CONT.):

CHART PLANVIEW NOTE AT SAILZ : MAX 210 KIAS.
 CHART PLANVIEW NOTE AT MIING : MAX 210 KIAS.
 CHART PLANVIEW NOTE AT ZASIV : MAX 180 KIAS.
 CHART PLANVIEW NOTE AT STERE: (RNP 0.30).
 CHART PLANVIEW NOTE AT MIING: (RNP 0.40).
 CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.
 CHART PROFILE NOTE: SEE PLANVIEW FOR MULTIPLE IF LOCATIONS.

QUALITY
2
CHECKED

CITY AND STATE CHICAGO, IL	ELEVATION: 620 TDZE: 611 AIRPORT NAME: CHICAGO MIDWAY INTL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (RNP) Y RWY 22L, AMDT 1 24 JULY 2014	SUP:
				AMDT: ORIG
				DATED: 02/06/2014

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[illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KMDWK5FH22LY	AMIING	010MIINGK5PC0E	B	IF				04000	18000210		A-FS	
SUSAP	KMDWK5FH22LY	AMIING	020FENCKK5PC0E		010TF				04000			A FS	
SUSAP	KMDWK5FH22LY	AMIING	030ZASIVK5PC0E	L010RF		0026000904	00280040		+ 02900	180	CFBDK	K5PCA	FS
SUSAP	KMDWK5FH22LY	AMIING	040EGLUQK5PC0E	L091RF		0018900028	27250030		+ 01900		CFBDL	K5PCA	FS
SUSAP	KMDWK5FH22LY	AMIING	050YACHTK5PC0EE	L041RF		0018902725	22750015		+ 01500		CFBDM	K5PCA	FS
SUSAP	KMDWK5FH22LY	ASTERE	010STEREK5PC0E	A	IF				+ 03000	18000		A FS	
SUSAP	KMDWK5FH22LY	ASTERE	020TACTTK5PC0E		010TF				03000			A FS	
SUSAP	KMDWK5FH22LY	ASTERE	030SAILZK5PC0E	B	010TF				03000	210		A-FS	
SUSAP	KMDWK5FH22LY	ASTERE	040KEEELK5PC0E		091TF				+ 02400			A FS	
SUSAP	KMDWK5FH22LY	ASTERE	050J1BBBK5PC0E		031TF				+ 01900			A FS	
SUSAP	KMDWK5FH22LY	ASTERE	060YACHTK5PC0EE	L031RF		0031002508	22750013		+ 01500		CFBDN	K5PCA	FS
SUSAP	KMDWK5FH22LY	H	020YACHTK5PC1E	F	IF				+ 01500	18000	RW22L	K5PGA	FS
SUSAP	KMDWK5FH22LY	H	020YACHTK5PC2W							A031A182		FS	

QUALITY
2
CHECKED

CITY AND STATE CHICAGO, IL	ELEVATION: 620 AIRPORT NAME: CHICAGO MIDWAY INTL	TDZE: 611 RNAV	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (RNP) Y RWY 22L, AMDT 1 24 JULY 2014	SUP:	
					AMDT:	ORIG
					DATED:	02/06/2014

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SUSAP	KMDWK5FH22LY	H	030RW22LK5PG0GY	M	031TF
SUSAP	KMDWK5FH22LY	H	040	0	M CA
SUSAP	KMDWK5FH22LY	H	050EON	K5D 0VY	DF
SUSAP	KMDWK5FH22LY	H	060EON	K5D 0VE	R HM

	00656	-300	A FS
2275	+ 01300		A FS
	+ 02600		A FS
18100040	+ 02600		A FS

[illegible]

SUSAP KMDWK5GRW22L 0064452275 N41472664W087444078+0200 +0151300606063550150R

[illegible]

SUSAP KMDWK5SRW22LK5PG 0 18018003425 M

QUALITY
2
CHECKS

CITY AND STATE CHICAGO, IL	ELEVATION: 620 AIRPORT NAME: CHICAGO MIDWAY INTL	TDZE: 611 RNAV	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (RNP) Y RWY 22L, AMDT 1 24 JULY 2014	SUP:
					AMDT: ORIG
					DATED: 02/06/2014

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (RNP) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICES - FAR PART 97.33

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ARINC SUMMARY - 424-18 - RNAV (RNP)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	MIING	MIING	010		IF		FB				AT 04000	AB 210
	MIING	FENCK	020		TF		FB	1.0			AT 04000	
	MIING	ZASIV	030		RF	L	FB	1.0		004.0	AA 02900	AB 180
	MIING	EGLUQ	040		RF	L	FB	0.9		003.0	AA 01900	
	MIING	YACHT	050		RF	L	FB	0.4		001.5	AA 01500	
	STERE	STERE	010	IAF	IF		FB				AA 03000	
	STERE	TACTT	020		TF		FB	1.0			AT 03000	
	STERE	SAILZ	030		TF		FB	1.0			AT 03000	AB 210
	STERE	KEEEL	040		TF		FB	0.9			AA 02400	
	STERE	JIBBB	050		TF		FB	0.3			AA 01900	
	STERE	YACHT	060		RF	L	FB	0.3		001.3	AA 01500	
		YACHT	020	FAF	IF		FB				AA 01500	
		RW22L	030	MAP	TF		FO	0.3			AT 00656	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		227.5 (223.5T)		AA 01300	
	EON	050		DF		FO				AA 02600	
	EON	060		HM	R	FO		181.0 (177.0T)	004.0	AA 02600	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	EON	N411610.68	W0874727.79	N4116.178	W08747.463
	CFBDK	N414803.01	W0874121.43	N4148.050	W08741.357
	CFBDL	N414803.94	W0874024.46	N4148.066	W08740.408
	CFBDM	N414803.94	W0874024.45	N4148.066	W08740.408
	CFBDN	N414713.89	W0873914.07	N4147.232	W08739.235
	EGLUQ	N414957.35	W0874028.35	N4149.956	W08740.473
	FENCK	N414527.21	W0874108.64	N4145.454	W08741.144
	JIBBB	N415004.97	W0874052.00	N4150.083	W08740.867
	KEEEL	N415044.19	W0873849.51	N4150.737	W08738.825
	MIING	N414516.10	W0874508.68	N4145.268	W08745.145
	SAILZ	N415100.49	W0873258.19	N4151.008	W08732.970
	STERE	N415100.76	W0871935.35	N4151.013	W08719.589
	TACTT	N415100.82	W0872616.77	N4151.014	W08726.280
	YACHT	N414922.06	W0874214.42	N4149.368	W08742.240
	ZASIV	N414806.37	W0873752.87	N4148.106	W08737.881
	RW22L	N414726.64	W0874440.78	N4147.444	W08744.680

RUNWAY DATA	THRESHOLD	TCH
RWY	ELEVATION	

QUALITY
2
CHECKED

CITY AND STATE CHICAGO, IL	ELEVATION: 620	TDZE: 611	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (RNP) Y RWY 22L, AMDT 1 24 JULY 2014	SUP:
	AIRPORT NAME: CHICAGO MIDWAY INTL				AMDT: ORIG
					DATED: 02/06/2014

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (RNP) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICES - FAR PART 97.33

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RW22L 00606 50

QUALITY
2
CHECKED

CITY AND STATE CHICAGO, IL	ELEVATION: 620	TDZE: 611	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (RNP) Y RWY 22L, AMDT 1 24 JULY 2014	SUP:
	AIRPORT NAME: CHICAGO MIDWAY INTL	AMDT: ORIG			
	DATED: 02/06/2014				

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION				RNAV (RNP) - STANDARD, INSTRUMENT APPROACH PROCEDURE, TITLE 14 CFR PART 97.33				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.								
TERMINAL ROUTES										MISSED APPROACH						
FROM		TO		COURSE AND DISTANCE				ALTITUDE		RNP: DA						
HILLS (IAF)		GLEAM (TF) (FB) (RNP 1.00)		317.72 / 3.14				4000		CLIMB TO 1100 THEN CLIMBING LEFT TURN TO 2600 DIRECT EON VORTAC AND HOLD.						
GLEAM (IF)		RUNTS (TF) (FB) (RNP 1.00)		317.68 / 4.71				2500								
RUNTS		HOBEL (TF) (FB) (RNP 1.00)		317.63 / 2.51				1700								
KEMPZ (IAF)		TWEEN (TF) (FB) (RNP 1.00)		046.19 / 7.69				4000								
TWEEN (IF)		PRIUS (TF) (FB) (RNP 1.00)		046.29 / 3.70				2900								
(SEE FORM 8260-10)										ADDITIONAL FLIGHT DATA: HOLD N, RT, 181.00 INBOUND. ROUTE TYPE: A, H ROUTE TYPE QUALIFIER 1: F ROUTE TYPE QUALIFIER 2: S DISTANCE TO THLD FROM 348 HAT: 0.94 NM. CHART MANDATORY 5000 AT HILLS. CHART MANDATORY 5000 AT KEMPZ. #TCH 659.8 (DO NOT CHART)						
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)										MAG VAR: 4W EPOCH YEAR: 2015						
2. PROFILE STARTS AT HOBEL																
3. FAC: 317.61 FAF: _____ DIST FAF TO MAP: _____ THLD: _____																
4. MIN. ALT: HOBEL 1700																
5. DIST TO THLD FROM OM: 3.27 MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____																
6. MIN GS INCPT: 1700 GS ALT AT: HOBEL 1700 OM: _____ MM: _____ IM: _____																
7. GS ANGLE: 3.00 TCH: #47.9 34:1 IS NOT CLEAR																
8. MSA FROM: RW31C 3400																
MINIMUMS																
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT								ALTERNATE: N A		STANDARD						
CATEGORY =====>		A			B			C			D			E		
		DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
AUTHORIZATION REQUIRED																
RNP 0.30 DA		961	5800	348	961	5800	348	961	5800	348	961	5800	348			
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -19C (-2F) OR ABOVE 54C (130F). CHART NOTE: GPS REQUIRED. CHART PLANVIEW NOTE AT PRIUS : MAX 210 KIAS. (SEE FORM 8260-10)																
CITY AND STATE		ELEVATION: 620 TDZE: 613			FACILITY IDENTIFIER: RNAV			PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:				
CHICAGO, IL		AIRPORT NAME:						RNAV (RNP) Y RWY 31C, ORIG-A				AMDT: ORIG				
		CHICAGO MIDWAY INTL						24 JULY 2014				DATED 06/27/2013				

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
**RNAV (RNP) - STANDARD,
 INSTRUMENT APPROACH PROCEDURE, - TITLE 14 CFR PART 97.33**

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TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
PRIUS	HOBEL (RF) (FB) (RNP 1.00)	(2.44 NM RADIUS CCW (CFBKN)/3.78	1700
HOBEL (FAF)	RW31C (MAP) (TF) (FO)	317.61 / 3.27	
RW31 (MAP)	1100 MSL (CA)	317.61	1100
1100 MSL	EON VORTAC (DF) (FO)		2600

NOTES, (CONT.):

CHART PLANVIEW NOTE AT KEMPZ : MAX 210 KIAS.

CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.

CHART PLANVIEW NOTE ADJACENT TO KEMPZ: RF REQUIRED.

CHART NOTE: SEE PLANVIEW FOR MULTIPLE IF LOCATIONS.

QUALITY
2
CHECKED

CITY AND STATE
CHICAGO, IL

ELEVATION: 620 **TDZE:** 613
AIRPORT NAME:
 CHICAGO MIDWAY INTL

**FACILITY
IDENTIFIER:**
RNAV

PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:
 RNAV (RNP) Y RWY 31C, ORIG-A
 24 JULY 2014

SUP:
AMDT: ORIG
DATED: 06/27/2013

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC PACKET - 424-18 - RNAV (RNP)

[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KMDWK5FH31CY AHILLS 010HILLSK5PC0E A IF								05000	18000			A FS	
SUSAP KMDWK5FH31CY AHILLS 020GLEAMK5PC0E B 010TF								+ 04000				A FS	
SUSAP KMDWK5FH31CY AHILLS 030RUNTSK5PC0E 010TF								+ 02500				A FS	
SUSAP KMDWK5FH31CY AHILLS 040HOBELK5PC0EE 010TF								+ 01700				A FS	
SUSAP KMDWK5FH31CY AKEMPZ 010KEMPZK5PC0E A IF								05000	18000210			A-FS	
SUSAP KMDWK5FH31CY AKEMPZ 020TWEENK5PC0E B 010TF								+ 04000				A FS	
SUSAP KMDWK5FH31CY AKEMPZ 030PRIUSK5PC0E 010TF								+ 02900	210			A-FS	
SUSAP KMDWK5FH31CY AKEMPZ 040HOBELK5PC0EE L010RF						0024400463	31760038	+ 01700			CFBKN K5PCA	FS	
SUSAP KMDWK5FH31CY H 020HOBELK5PC1E F IF								+ 01700	18000		RW31C K5PGA	FS	
SUSAP KMDWK5FH31CY H 020HOBELK5PC2W									A031			FS	
SUSAP KMDWK5FH31CY H 030RW31CK5PG0GY M 031TF								00660		-300		A FS	
SUSAP KMDWK5FH31CY H 040 0 M CA							3176	+ 01100				A FS	
SUSAP KMDWK5FH31CY H 050EON K5D 0VY L DF								+ 02600				A FS	
SUSAP KMDWK5FH31CY H 060EON K5D 0VE R HM							18100040	+ 02600				A FS	

[illegible]

QUALITY
578012
02
CHECKED

CITY AND STATE CHICAGO, IL	ELEVATION: 620	TDZE: 613	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME:			RNAV (RNP) Y RWY 31C, ORIG-A	AMDT: ORIG
	CHICAGO MIDWAY INTL		RNAV	24 JULY 2014	DATED: 06/27/2013

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

[illegible]

QUALITY
2
CHECKED

CITY AND STATE CHICAGO, IL	ELEVATION: 620	TDZE: 613	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME: CHICAGO MIDWAY INTL			RNAV (RNP) Y RWY 31C, ORIG-A	AMDT: ORIG
			RNAV	24 JULY 2014	DATED: 06/27/2013

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (RNP) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICES - FAR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - 424-18 - RNAV (RNP)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	HILLS	HILLS	010	IAF	IF		FB				AT 05000	
	HILLS	GLEAM	020		TF		FB	1.0			AA 04000	
	HILLS	RUNTS	030		TF		FB	1.0			AA 02500	
	HILLS	HOBEL	040		TF		FB	1.0			AA 01700	
	KEMPZ	KEMPZ	010	IAF	IF		FB				AT 05000	AB 210
	KEMPZ	TWEEN	020		TF		FB	1.0			AA 04000	
	KEMPZ	PRIUS	030		TF		FB	1.0			AA 02900	AB 210
	KEMPZ	HOBEL	040		RF	L	FB	1.0		003.8	AA 01700	
		HOBEL	020	FAF	IF		FB				AA 01700	
		RW31C	030	MAP	TF		FO	0.3			AT 00660	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		317.6 (313.6T)		AA 01100	
	EON	050		DF	L	FO				AA 02600	
	EON	060		HM	R	FO		181.0 (177.0T)	004.0	AA 02600	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	EON	N411610.68	W0874727.79	N4116.178	W08747.463
	CFBKN	N414248.75	W0874349.24	N4142.813	W08743.821
	GLEAM	N413935.61	W0873435.83	N4139.594	W08734.597
	HILLS	N413725.40	W0873134.18	N4137.423	W08731.570
	HOBEL	N414434.81	W0874134.43	N4144.580	W08741.574
	KEMPZ	N413244.27	W0875137.14	N4132.738	W08751.619
	PRIUS	N414110.16	W0874124.73	N4141.169	W08741.412
	RUNTS	N414250.79	W0873908.71	N4142.847	W08739.145
	TWEEN	N413826.06	W0874443.90	N4138.434	W08744.732
	RW31C	N414650.00	W0874444.12	N4146.833	W08744.735

RUNWAY DATA	THRESHOLD	TCH
RWY	ELEVATION	
RW31C	00612	48

QUALITY
2
CHECKED

CITY AND STATE CHICAGO, IL	ELEVATION: 620	TDZE: 613	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (RNP) Y RWY 31C, ORIG-A 24 JULY 2014	SUP:
	AIRPORT NAME: CHICAGO MIDWAY INTL				AMDT: ORIG
					DATED: 06/27/2013

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION NDB STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.27										Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.									
TERMINAL ROUTES										MISSED APPROACH									
FROM			TO			COURSE AND DISTANCE				ALTITUDE									
										ADDITIONAL FLIGHT DATA:									
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)																			
2. _____																			
3. FAC _____ FAF _____ DIST FAF TO MAP _____ THLD _____																			
4. MIN. ALT _____																			
8. MSA FROM: _____										MAG VAR: _____ EPOCH YEAR: _____									
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT										ALTERNATE: N A _____									
CATEGORY =====>		A			B			C			D			E					
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA				
NOTES:																			
PROCEDURE CANCELED EFFECTIVE 24 JULY 2014																			
CITY AND STATE GAITHERSBURG, MD				ELEVATION: 539 TDZE: 520 AIRPORT NAME: MONTGOMERY COUNTY AIRPARK				FACILITY IDENTIFIER: GAI		PROCEDURE NO./AMD'T NO./EFFECTIVE DATE: NDB RWY 14, AMDT 2A, 02/16/2006					SUP AMD'T 1 DATE 10/05/2000				

U.S. DEPARTMENT OF TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION
TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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Ceilings are in feet above airport elevation. Distances are in nautical miles. Visibilities are in statute miles or feet RVR unless otherwise indicated.

City, State	Airport	Effective Date	Amdt. No.
GREENVILLE, ME	GREENVILLE	24 JULY 2014	3

TAKEOFF MINIMUMS:

SEA LANE 14, STANDARD WITH MINIMUM CLIMB OF 849 FT PER NM TO 2200 OR 500-2 ½ WITH MINIMUM CLIMB OF 280 FT PER NM TO 2600 OR 3900-3 FOR CLIMB IN VISUAL CONDITIONS.
SEA LANE 18, STANDARD WITH MINIMUM CLIMB OF 370 FT PER NM TO 2800 OR 3900-3 FOR CLIMB IN VISUAL CONDITIONS.
SEA LANE 32, STANDARD WITH MINIMUM CLIMB OF 685 FT PER NM TO 2500 OR 700-1 ½ WITH MINIMUM CLIMB OF 300 FT PER NM TO 4000 OR 3900-3 FOR CLIMB IN VISUAL CONDITIONS.
SEA LANE 36, STANDARD WITH MINIMUM CLIMB OF 270 FT PER NM TO 3300 OR 3900-3 FOR CLIMB IN VISUAL CONDITIONS.

TEXTUAL DEPARTURE PROCEDURES:

SEA LANE 14 - CLIMB ON HEADING 140 TO 3300 BEFORE PROCEEDING ON COURSE OR FOR CLIMB IN VISUAL CONDITIONS: CROSS GREENVILLE AT OR ABOVE 3800 FT MSL BEFORE PROCEEDING ON COURSE.
SEA LANE 18 - CLIMB HEADING 180 TO 2800 BEFORE PROCEEDING ON COURSE OR FOR CLIMB IN VISUAL CONDITIONS: CROSS GREENVILLE AT OR ABOVE 3800 FT MSL BEFORE PROCEEDING ON COURSE.
SEA LANE 32 - CLIMB ON HEADING 335 TO 4000 BEFORE PROCEEDING ON COURSE OR FOR CLIMB IN VISUAL CONDITIONS: CROSS GREENVILLE AT OR ABOVE 3800 FT MSL BEFORE PROCEEDING ON COURSE.
SEA LANE 36 - CLIMB HEADING 360 TO 3600 BEFORE PROCEEDING ON COURSE OR FOR CLIMB IN VISUAL CONDITIONS: CROSS GREENVILLE AT OR ABOVE 3800 FT MSL BEFORE PROCEEDING ON COURSE.

TAKEOFF OBSTACLE NOTES:

NOTE: SEA LANE 14, TREES BEGINNING 4116 FT PRIOR TO DER, 296 FT LEFT OF CENTERLINE, UP TO 80 FT AGL/1119 FT MSL. TREES BEGINNING 3063 FT PRIOR TO DER, 191 FT RIGHT OF CENTERLINE, UP TO 80 FT AGL/1159 FT MSL. BOATS BEGINNING AT DER, FROM 500 FT LEFT TO 500 FT RIGHT OF CENTERLINE, UP TO 20 FT AGL/1048 FT MSL. TREES BEGINNING 2 FT FROM DER, 167 FT LEFT OF CENTERLINE, UP TO 80 FT AGL/1179 FT MSL.

NOTE: SEA LANE 18, TREES BEGINNING 2274 FT PRIOR TO DER, 370 FT LEFT OF CENTERLINE, UP TO 80 FT AGL/1119 FT MSL. BOATS BEGINNING AT DER, FROM 500 FT LEFT TO 500 FT RIGHT OF CENTERLINE, UP TO 20 FT AGL/1048 FT MSL. TREES BEGINNING 711 FT FROM DER, 621 FT RIGHT OF CENTERLINE, UP TO 80 FT AGL/1179 FT MSL. TREES BEGINNING 1212 FT FROM DER, 783 FT LEFT OF CENTERLINE, UP TO 80 FT AGL/1139 FT MSL.

NOTE: SEA LANE 32, TREES BEGINNING 3390 FT PRIOR TO DER, 191 FT LEFT OF CENTERLINE, UP TO 80 FT AGL/1159 FT MSL. TREES BEGINNING 2976 FT PRIOR TO DER, 296 FT RIGHT OF CENTERLINE, UP TO 80 FT AGL/1119 FT MSL. BOATS BEGINNING AT DER, FROM 500 FT LEFT TO 500 FT RIGHT OF CENTERLINE, UP TO 20 FT AGL/1048 FT MSL. TREES BEGINNING 2328 FT FROM DER, 1082 FT RIGHT OF CENTERLINE, UP TO 80 FT AGL/1179 FT MSL.

NOTE: SEA LANE 36, TREES BEGINNING 2755 FT PRIOR TO DER, 370 FT RIGHT OF CENTERLINE, UP TO 80 FT AGL/1119 FT MSL. TREES BEGINNING 571 FT PRIOR TO DER, 290 FT LEFT OF CENTERLINE, UP TO 80 FT AGL/1119 FT MSL. BOATS BEGINNING AT DER, FROM 500 FT LEFT TO 500 FT RIGHT OF CENTERLINE, UP TO 20 FT AGL/1048 FT MSL. TREES BEGINNING 694 FT FROM DER, 381 FT LEFT OF CENTERLINE, UP TO 80 FT AGL/1179 FT MSL. TREES BEGINNING 2440 FT FROM DER, 650 FT RIGHT OF CENTERLINE, UP TO 80 FT AGL/1119 FT MSL.

CONTROLLING OBSTACLES:

SEA LANE 14: 1499 FT MSL TREE 452724.75N/0693311.75W. 1479 FT MSL TREE 452720.30N/0693305.20W. 1199 FT MSL TREE 452815.85N/0693523.00W. 2860 FT MSL AAO 452459.20N/0692205.80W. 1619 FT MSL AAO 452712.93N/0693107.23W. 1759 FT MSL AAO 452654.64N/0692950.96W.

SEA LANE 18: 1379 FT MSL TREE 452643.95N/0693546.10W. 3462 FT MSL AAO 452917.80N/0694235.90W.

SEA LANE 32: 1659 FT MSL TREE 452915.25N/0693836.75W.

SEA LANE 36: 1242 FT MSL TREE 454942.35N/0693656.85W. 3462 FT MSL AAO 452917.80N/0694235.90W.

SEA LANE 14, 18, 32, 36 (VCOA): 2499 FT MSL AAO 452650.95N/0694109.70W, 3462 FT MSL AAO 452917.80N/0694235.90W

OBSTACLES MANDATING ODP ROUTE DEVELOPMENT ALL SEA LANES: 3462 FT MSL AAO 452917.80N/0694235.90W.

QUALITY
CHECKED

U.S. DEPARTMENT OF TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION
TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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City, State	Airport	Effective Date	Amdt. No.
GREENVILLE, ME	GREENVILLE	24 JULY 2014	3

REMARKS:

XQA NDB HAS LONG-TERM OUTAGE SO REMOVED FROM ODP.
SEA LANE 32 CLIMB TO ALTITUDE 2500 WITH 685 FT PER NM AND CLIMB TO ALTITUDE 4000 WITH 300 FT PER NM CHOSEN TO ENSURE AIRCRAFT CAN PROCEED ON COURSE PRIOR TO 10 NM OF DEAD RECKONING.

FLIGHT INSPECTED BY:

REQUIRED EFFECTIVE DATE:

Michael Wilson

3-19-14

ROUTINE

DEVELOPED BY:

DONALD SMITH
(KYLE THOMPSON) AJV-352

4/26/2011

APPROVED BY:

DARRYL ADAMS AJV-352

APR 10 2014

COORDINATED WITH:

ALPA, AOPA, NBAA, ZBW, BGR FSS, APT MGR

CHANGES:

- 1) REMOVED TAKE-OFF MINIMUMS AND DEPARTURE PROCEDURES FOR NORTH/SOUTH.
- 2) ADDED TAKE-OFF OBSTACLES FOR ALL SEA LANES.
- 3) ADDED CLIMB GRADIENTS FOR ALL SEA LANES.
- 4) ADDED CLIMB TO ALTITUDES FOR SEA LANES 18 AND 36.
- 5) ADDED ROUTES FOR SEA LANES 14 AND 32.

REASONS:

- 1) SEA LANES ARE IDENTIFIED.
- 2, 3, 4, 5) NEW OBSTACLES.

4/12/12: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 4/26/11.

1. CHANGED TAKEOFF MINIMUMS SEA LANE 14 FROM "...280 FT PER NM TO 2200..." TO "...280 FT PER NM TO 2600..."
2. CHANGED TAKEOFF MINIMUMS SEA LANE 32 FROM "...685 FT PER NM TO 2100..." TO "...685 FT PER NM TO 2500..." AND "...300 FT PER NM TO 2100..." TO "...300 FT PER NM TO 4000..."
3. CHANGED TEXTURAL DP SEA LANE 14 FROM "CLIMB ON XQA NDB BEARING 151 TO 3300 BEFORE..." TO "CLIMB ON HEADING 140 TO 3300 BEFORE..."
4. CHANGED TEXTURAL DP SEA LANE 32 FROM "CLIMB DIRECT XQA NDB THEN ON XQA BEARING 334 TO 4000..." TO "CLIMB ON HEADING 335 TO 4000..."
5. ADDED REMARK "XQA NDB HAS LONG-TERM OUTAGE SO REMOVED FROM ODP".
6. ADDED REMARK "SEA LANE 32 CLIMB TO ALTITUDE 2500 WITH 685 FT PER NM AND CLIMB TO ALTITUDE 4000 WITH 300 FT PER NM CHOSEN TO ENSURE AIRCRAFT CAN PROCEED ON COURSE PRIOR TO 10 NM OF DEAD RECKONING".
7. DELETED SEA LANE 14 CONTROLLING OBSTACLES 1732 FT TOWER AND 1879 FT AAO, ADDED 1199 FT TREE, 2860 FT AAO, 1619 FT AAO, AND 1759 FT AAO.
8. DELETED SEA LANE 32 CONTROLLING OBSTACLES 1839 FT AAO.
9. MADE 3642 FT AAO REASON FOR MANDATING ODP ROUTE DEVELOPMENT FOR ALL SEA LANES.



U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION VOR/DME STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.23								Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.											
TERMINAL ROUTES										MISSED APPROACH									
FROM		TO		COURSE AND DISTANCE				ALTITUDE		MAP: RW30 OR AT 6.50 DME FIX									
KIVVE/14.80 DME CW (IAF)		ITONE/14.80 DME		14.80 DME ARC				9200		CLIMB TO 4000 THEN CLIMBING LEFT TURN TO 9300 VIA HEADING 130 AND FCA VOR/DME R-150 TO ITONE/14.80 DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 9300.									
VAILL/14.80 DME CCW (IAF)		ITONE/14.80 DME		14.80 DME ARC				9200											
ITONE/14.80 DME (IF)		GUBKE/8.00 DME		330.41 / 6.80 (FCA R-150)				7200											
GUBKE/8.00 DME		FCA VOR/DME		330.41 / 8.00				5100											
ADDITIONAL FLIGHT DATA: HOLD SE, LT, 330.41 INBOUND. CHART FAS OBST: 3199 TREE 481436N/1141235W CHART FCA R-093 AT KIVVE. CHART FCA R-215 AT VAILL.																			
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF)																			
2. PROFILE STARTS AT ITONE																			
3. FAC <u>315.54</u> FAF <u>FCA VOR/DME</u> DIST FAF TO MAP <u> </u> THLD <u>6.50</u>																			
4. MIN. ALT <u>ITONE 9200, GUBKE 7200, FCA VOR/DME 5100</u>																			
8. MSA FROM: FCA VOR/DME 090-180 9600, 180-270 8000, 270-360 8800, 360-090 11400														MAG VAR: 18E				EPOCH YEAR:1990	
MINIMUMS																			
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT										ALTERNATE: N A		STANDARD							
CATEGORY =====>		A			B			C			D			E					
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA				
S-30	3480	1	506	3480	1	506	3480	1 1/2	506	3480	1 1/2	506							
CIRCLING	3520	1	543	3520	1	543	3640	1 3/4	663	3640	2	663							
NOTES: CHART PROFILE NOTE: DESCENT ANGLE NA CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED CHART NOTE: WHEN VGS1 INOPERATIVE, STRAIGHT-IN MINIMUMS NOT AUTHORIZED AT NIGHT																			
CITY AND STATE				ELEVATION: 2977 TDZE: 2974				FACILITY IDENTIFIER:				PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP			
KALISPELL, MT				AIRPORT NAME:				FCA				VOR/DME RWY 30, AMDT 10A				AMDT 10			
				GLACIER PARK INTL												DATE 08/03/2006			

ILS - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.29				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.											
US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION															
TERMINAL ROUTES				MISSED APPROACH											
FROM BZM VOR/DME GSO VORTAC (IAF) PEGTE INT/I-SVH 13.19 DME (IF/IAF)	TO PEGTE INT/I-SVH 13.19 DME PEGTE INT/I-SVH 13.19 DME (NOPT) HESAB/I-SVH 6.20 DME	COURSE AND DISTANCE 112.17 / 27.47 245.78 / 39.76 284.84 / 7.00 (I-SVH)	ALTITUDE 3500 3400 2600	ILS: DA LOC: I-SVH 1.20 DME FIX CLIMB TO 1700 THEN CLIMBING LEFT TURN TO 3400 ON HEADING 105 AND CLT VOR/DME R-025 TO PEGTE INT/I-SVH 13.19 DME AND HOLD, OR AS DIRECTED BY ATC. ALTERNATE MA: CLIMB TO 1700 THEN CLIMBING RIGHT TURN TO 4000 DIRECT BZM VOR/DME AND HOLD. ADDITIONAL FLIGHT DATA: CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD NE BZM VOR/DME, RT, 244.00 INBOUND. CHART FAS OBST: 1029 T-L TWR 354553N/0805502W CHART: 1045 TREE 354533N/0805344W CHART VDP AT 2.03 DME* DISTANCE VDP TO THLD 0.83 MILES. *LOC ONLY. CHART CIRCLING ICON.											
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF)				MAG VAR: 8W EPOCH YEAR: 2015											
2. HOLD E PEGTE, RT, 284.84 INBOUND, 3400 FT. IN LIEU OF PT (IAF)															
3. FAC: <u>284.84</u> FAF: <u>HESAB/I-SVH 6.20 DME</u> DIST FAF TO MAP: <u>-</u> THLD: <u>4.99</u>															
4. MIN. ALT: PEGTE 3400, HESAB 2600, ICENU/I-SVH 3.60 DME 1760*															
5. DIST TO THLD FROM OM: <u>-</u> MM: <u>-</u> IM: <u>-</u> 150 HAT: <u>-</u> 100 HAT: <u>-</u> GS ANT: <u>887</u>															
6. MIN GS INCPT: <u>2600</u> GS ALT AT: <u>HESAB 2600</u> OM: <u>-</u> MM: <u>-</u> IM: <u>-</u>															
7. GS ANGLE: <u>3.00</u> TCH: <u>49.8</u>															
8. MSA FROM: BZM VOR/DME 5800															
MINIMUMS															
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE: N A		ILS: STANDARD #		LOC: STANDARD @							
CATEGORY =====>	A		B		C		D		E						
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
S-ILS 28	1160	1/2	200	1160	1/2	200	1160	1/2	200	1160	1/2	200			
S-LOC 28	1280	1/2	320	1280	1/2	320	1280	1/2	320	1280	1/2	320			
CIRCLING	1420	1	452	1540	1	572	1540	1 1/2	572	1560	2	592			
NOTES: CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON GSO VORTAC AIRWAY RADIALS 193 CW 283. CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT. CHART IN PLANVIEW ADJACENT TO PEGTE: GSO DME 39.76 CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE LINCOLNTON ALTIMETER SETTING AND (SEE FORM 8260-10)															
CITY AND STATE STATESVILLE, NC		ELEVATION: 968 THRE: 960 AIRPORT NAME: STATESVILLE RGNL		FACILITY IDENTIFIER: I-SVH		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC/DME Z RWY 28, AMDT 1 24 JULY 2014				SUP: ILS OR LOC/DME RWY 28 AMDT: ORIG-B DATED 10/22/2008					

QUALITY
 6
 CHECKED

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.29

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NOTES, (CONT.):

INCREASE ILS DA TO 1219 AND ALL MDA 60 FEET; INCREASE S-LOC 28 CATS C/D VISIBILITY 1/8 MILE AND CIRCLING CAT C VISIBILITY 1/4 MILE.

CHART NOTE: VDP NA WHEN USING LINCOLNTON ALTIMETER SETTING.

CHART NOTE: FOR INOPERATIVE MALSR WHEN USING LINCOLNTON ALTIMETER SETTING, INCREASE S-ILS 28 ALL CATS VISIBILITY TO 7/8 MILE AND S-LOC 28 CATS C/D VISIBILITY TO 1 MILE.



CITY AND STATE STATESVILLE, NC	ELEVATION: 968 THRE: 960 AIRPORT NAME: STATESVILLE RGNL	FACILITY IDENTIFIER: I-SVH	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: ILS OR LOC/DME Z RWY 28, AMDT 1 24 JULY 2014	SUP: ILS OR LOC/DME RWY 28
				AMDT: ORIG-B
				DATED: 10/22/2008

FLIGHT STANDARDS SERVICES - FAR PART 97.29

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ARINC PACKET - 424-18 - ILS

NAVAID	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAD	BZM	K7011080V	N35520787W	081142590	N35520787W	081142590	W0060018801	NARBARRETTS MOUNTAIN					
SUSAD	CLT	K7011500V	N35112504W	080570631	N35112504W	080570631	W0050007321	NARCHARLOTTE					
SUSAD	GSO	K7011620V	N36024449W	079583495	N36024449W	079583495	W0030009092	NARGREENSBORO					
SUSAD KSVHK7	ISVH	K7011175 IT	ISVHN35455656W		080580682	009670		NARSTATESVILLE RGNL					

[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3	
SUSAP	KSVHK7FI28-Z	ABZM	010BZM	K7D 0V	IF					18000		0	NS	
SUSAP	KSVHK7FI28-Z	ABZM	020PEGTEK7EA0EY	TF					+ 03500			0	NS	
SUSAP	KSVHK7FI28-Z	ABZM	030PEGTEK7EA0EE	AR	HF	ISVHK7	104801322848T010PI		+ 03400			0	NS	
SUSAP	KSVHK7FI28-Z	AGSO	010GSO	K7D 0V A	FC	GSO K7	0000000024580378D		+ 03400	18000		0	NS	
SUSAP	KSVHK7FI28-Z	AGSO	020PEGTEK7EA0EE	B	CF	ISVHK7	1048013224580020PI		+ 03400			0	NS	
SUSAP	KSVHK7FI28-Z	I	010PEGTEK7EA0E	I	IF	ISVHK7	10480132	PI	J	034000260018000		0	NS	
SUSAP	KSVHK7FI28-Z	I	020HESABK7PC0E	F	CF	ISVHK7	1048006228500070PI	H	0260002600		-300BZM	K7D	0	NS
SUSAP	KSVHK7FI28-Z	I	030RW28	K7PG0GY M	CF	ISVHK7	1048001228500050PI		01010		-300		0	NS
SUSAP	KSVHK7FI28-Z	I	040	0 M	CA		2848		+ 01700				0	NS
SUSAP	KSVHK7FI28-Z	I	050	0	L	VIY	1050						0	NS
SUSAP	KSVHK7FI28-Z	I	060PEGTEK7EA0EY		CF	CLT K7	0254035202540030D		+ 03400				0	NS
SUSAP	KSVHK7FI28-Z	I	070PEGTEK7EA0EE	R	HM		2848T010		+ 03400				0	NS

[illegible]

SUP:	ILS OR LOC/DME RWY 28
AMDT:	ORIG-B
DATED:	10/22/2008

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - FAR PART 97.29

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

	1	2	3	4	5	6	7	8	9	0	1	2	3	
ILS	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012													

SUSAP	KSVHK7IISVH1	011175RW28	N35455923W0805807692848N35454860W0805649600952	08870600300W00805000955										

	1	2	3	4	5	6	7	8	9	0	1	2	3	
MSA	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012													

SUSAP	KSVHK7SBZM	K7D	0	18018005825										M

CITY AND STATE
STATESVILLE, NC

ELEVATION: **968** THRE: **960**
AIRPORT NAME:
STATESVILLE RGNL

FACILITY
IDENTIFIER:
I-SVH

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
ILS OR LOC/DME Z RWY 28, AMDT 1
24 JULY 2014

SUP: ILS OR LOC/DME
RWY 28
AMDT: ORIG-B
DATED: 10/22/2008

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - FAR PART 97.29

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - 424-18 - ILS

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	BZM	BZM	010		IF		FB					
	BZM	PEGTE	020		TF		FO				AA 03500	
	BZM	PEGTE	030	IAF	HF	R	FO		284.8 ()	T01.0	AA 03400	
	GSO	GSO	010	IAF	FC		FB		245.8 ()	037.8	AA 03400	
	GSO	PEGTE	020		CF		FB		245.8 ()	002.0	AA 03400	
		PEGTE	010	FACF	IF		FB				AA 03400	GI 02600
		HESAB	020	FAF	CF		FB		285.0 ()	007.0	GI 02600	GS 02600
		RW28	030	MAP	CF		FO		285.0 ()	005.0	AT 01010	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		284.8 ()		AA 01700	
		050		VI	L	FB		105.0 ()			
	PEGTE	060		CF		FO		025.4 ()	003.0	AA 03400	
	PEGTE	070		HM	R	FO		284.8 ()	T01.0	AA 03400	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	BZM	N355207.87	W0811425.90	N3552.131	W08114.432
	CLT	N351125.04	W0805706.31	N3511.417	W08057.105
	GSO	N360244.49	W0795834.95	N3602.742	W07958.583
	ISVH (DME)	N354556.56	W0805806.82	N3545.943	W08058.114
	PEGTE	N354423.81	W0804201.05	N3544.397	W08042.018
	HESAB	N354514.61	W0805032.93	N3545.244	W08050.549
	RW28	N354550.51	W0805638.48	N3545.842	W08056.641
	ISVH (LOC)	N354559.23	W0805807.69	N3545.987	W08058.128

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW28	00960	50

CITY AND STATE
STATESVILLE, NC

ELEVATION: 968 THRE: 960
AIRPORT NAME:
STATESVILLE RGNL

FACILITY
IDENTIFIER:
I-SVH

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
ILS OR LOC/DME Z RWY 28, AMDT 1
24 JULY 2014

SUP: ILS OR LOC/DME
RWY 28
AMDT: ORIG-B
DATED: 10/22/2008

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

[illegible]

CITY AND STATE STATESVILLE, NC	ELEVATION: 968	THRE: 960	FACILITY IDENTIFIER: I-SVH	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: ILS OR LOC/DME Z RWY 28, AMDT 1 24 JULY 2014	SUP: ILS OR LOC/DME RWY 28
	AIRPORT NAME: STATESVILLE RGNL				AMDT: ORIG-B
					DATED: 10/22/2008

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

LOC STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - FAR PART 97.25

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

SUSAP KSVHK7GRW28 0070052848 N35455051W080563848+0000 +0260500960055250100IISVH1

	1	2	3	4	5	6	7	8	9	0	1	2	3
ILS	1234567890123456789012345678901234567890123456789012345678901234567890123456789012												

SUSAP KSVHK7IISVH1 011175RW28 N35455923W0805807692848N35454860W0805649600952 08870600300W00805000955

	1	2	3	4	5	6	7	8	9	0	1	2	3
MSA	1234567890123456789012345678901234567890123456789012345678901234567890123456789012												

SUSAP KSVHK7SBZM K7D 0 18018005825 M

CITY AND STATE
STATESVILLE, NCELEVATION: 968 THRE: 960
AIRPORT NAME:
STATESVILLE RGNLFACILITY
IDENTIFIER:
I-SVHPROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
ILS OR LOC/DME Z RWY 28, AMDT 1
24 JULY 2014SUP: ILS OR LOC/DME
RWY 28
AMDT: ORIG-B
DATED: 10/22/2008

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

LOC STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - FAR PART 97.25

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - 424-18 - LOC

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
BZM		BZM	010		IF		FB					
BZM		PEGTE	020		TF		FO				AA 03500	
BZM		PEGTE	030	IAF	HF	R	FO		284.8 ()	T01.0	AA 03400	
GSO		GSO	010	IAF	FC		FB		245.8 ()	037.8	AA 03400	
GSO		PEGTE	020		CF		FB		245.8 ()	002.0	AA 03400	
		PEGTE	010	FACF	IF		FB				AA 03400	
		HESAB	020	FAF	CF		FB		285.0 ()	007.0	AA 02600	
		ICENU	021	SDF	CF		FB		285.0 ()	002.6	AA 01760	
		RW28	030	MAP	CF		FO		285.0 ()	002.4	AT 01010	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		284.8 ()		AA 01700	
		050		VI	L	FB		105.0 ()			
	PEGTE	060		CF		FO		025.4 ()	003.0	AA 03400	
	PEGTE	070		HM	R	FO		284.8 ()	T01.0	AA 03400	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	BZM	N355207.87	W0811425.90	N3552.131	W08114.432
	CLT	N351125.04	W0805706.31	N3511.417	W08057.105
	GSO	N360244.49	W0795834.95	N3602.742	W07958.583
	ISVH (DME)	N354556.56	W0805806.82	N3545.943	W08058.114
	PEGTE	N354423.81	W0804201.05	N3544.397	W08042.018
	HESAB	N354514.61	W0805032.93	N3545.244	W08050.549
	ICENU	N354533.30	W0805342.81	N3545.555	W08053.714
	RW28	N354550.51	W0805638.48	N3545.842	W08056.641
	ISVH (LOC)	N354559.23	W0805807.69	N3545.987	W08058.128

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW28	00960	50

CITY AND STATE
STATESVILLE, NC

ELEVATION: 968 THRE: 960
AIRPORT NAME:
STATESVILLE RGNL

FACILITY
IDENTIFIER:
I-SVH

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
ILS OR LOC/DME Z RWY 28, AMDT 1
24 JULY 2014

SUP: ILS OR LOC/DME
RWY 28
AMDT: ORIG-B
DATED: 10/22/2008

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION		RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33		Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.											
TERMINAL ROUTES				MISSED APPROACH											
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LPV: DA LNAV/VNAV: DA LNAV: RW10 CLIMB TO 1440 THEN CLIMBING LEFT TURN TO 3400 DIRECT SANFI AND HOLD. ADDITIONAL FLIGHT DATA: HOLD W, RT, 071.25 INBOUND. CHART FAS OBST: 1173 POLE 354615N/0805937W OBST: 1239 AAO 354621N/0810356W DISTANCE TO THLD FROM 250 HATH: 0.60 NM. WAAS CHANNEL # 99435 REFERENCE PATH ID: W10A CHART CIRCLING ICON. LTP HAE: 259 M											
BZM VOR/DME (IAF)	UVAXE (FB)	159.38 / 5.56	3500												
ALDOH (IAF)	UVAXE (FB)	057.96 / 7.29	3500												
UVAXE (IF)	TEMKY (FB)	104.70 / 6.02	2600												
TEMKY (FAF)	USCOB/2.40 NM TO RW10 (FB)	104.77 / 2.58													
USCOB/2.40 NM TO RW10	RW10 (MAP) (FO)	104.77 / 2.40													
RW10 (MAP)	1440 MSL	104.77	1440												
1440 MSL	SANFI (FO)		3400												
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. PROFILE STARTS AT UVAXE 3. FAC: <u>104.77</u> FAF: <u>TEMKY</u> DIST FAF TO MAP: <u>4.98</u> THLD: <u>4.98</u> 4. MIN. ALT: <u>UVAXE 3500, TEMKY 2600, USCOB/2.40 NM TO RW10 1760*</u> 5. DIST TO THLD FROM OM: <u> </u> MM: <u> </u> IM: <u> </u> 150 HAT: <u> </u> 100 HAT: <u> </u> GS ANT: <u> </u> 6. MIN GS INCPT: <u>2600</u> GS ALT AT: <u>TEMKY 2600</u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u>3.00</u> TCH: <u>60.0</u> 34:1 IS NOT CLEAR 8. MSA FROM: <u>RW10 3900</u>				MAG VAR: 8W EPOCH YEAR: 2015											
MINIMUMS															
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT			ALTERNATE: N A		STANDARD @										
CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	1205	1	250	1205	1	250	1205	1	250	1205	1	250			
LNAV/VNAV DA	1373	1 3/8	418	1373	1 3/8	418	1373	1 3/8	418	1373	1 3/8	418			
LNAV MDA	1440	1	485	1440	1	485	1440	1 3/8	485	1440	1 3/8	485			
CIRCLING	1440	1	472	1540	1	572	1540	1 1/2	572	1560	2	592			
NOTES: CHART NOTE: BARO-VNAV NA WHEN USING LINCOLN TON ALTIMETER SETTING. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C (4F) OR ABOVE 54C (130F). CHART NOTE: DME/DME RNP-0.3 NA. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON BZM VOR/DME AIRWAY RADIALS 071 CW 203 AND T203 (SEE FORM 8260-10)															
CITY AND STATE STATESVILLE, NC		ELEVATION: 968 THRE: 955 AIRPORT NAME: STATESVILLE RGNL		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 10, AMDT 1 24 JULY 2014				SUP: AMDT: ORG DATED 10/27/2005					

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

NOTES, (CONT.):
NORTHBOUND.

*LNAV ONLY

CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE LINCOLNTON ALTIMETER SETTING AND INCREASE LPV DA TO 1263, LNAV/VNAV DA TO 1431, AND ALL MDA 60 FEET; INCREASE LNAV/VNAV ALL CATS, LNAV CATS C/D, AND CIRCLING CAT C VISIBILITY 1/4 MILE.

CHART NOTE: NIGHT LANDING: RWY 10 OPERATIONAL VGSI REQUIRED, REMAIN ON OR ABOVE VGSI GLIDEPATH UNTIL THRESHOLD.

CITY AND STATE
STATESVILLE, NC

ELEVATION: 968 THRE: 955
AIRPORT NAME:
STATESVILLE RGNL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 10, AMDT 1
24 JULY 2014

SUP:
AMDT: ORIG
DATED: 10/27/2005

**RNAV STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KSVH
RUNWAY	RW10
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W10A
LTP/FTP LATITUDE	354556.9305N
LTP/FTP LONGITUDE	0805744.2005W
LTP/FTP ELLIPSOIDAL HEIGHT	+02590
FPAP LATITUDE	354546.3050N
FPAP LONGITUDE	0805555.4955W
THRESHOLD CROSSING HEIGHT (TCH)	00060.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0920
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

<u>CRC REMAINDER</u>	63FEBD92

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+02910
FPAP ORTHOMETRIC HEIGHT	+02910

CITY AND STATE

STATESVILLE, NC

ELEVATION: 968

THRE: 955

AIRPORT NAME:

STATESVILLE RGNL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 10, AMDT 1

24 JULY 2014

SUP:

AMDT: ORIG

DATED: 10/27/2005

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

[illegible][illegible][illegible][illegible][illegible][illegible]

CITY AND STATE STATESVILLE, NC	ELEVATION: 968 THRE: 955	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME: STATESVILLE RGNL	RNAV	RNAV (GPS) RWY 10, AMDT 1	AMDT: ORIG
			24 JULY 2014	DATED: 10/27/2005

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICES - FAR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

SUSAP KSVHK7PR10 RW10 002E +02910+02910LPV 99435

	1	2	3	4	5	6	7	8	9	0	1	2	3
MSA	12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												

	SUSAP KSVHK7SRW10 K7PG			0	18018003925							M	

QUALITY
4
CHECKED

CITY AND STATE STATESVILLE, NC	ELEVATION: 968	THRE: 955	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 10, AMDT 1 24 JULY 2014	SUP:
	AIRPORT NAME: STATESVILLE RGNL				AMDT: ORIG
					DATED: 10/27/2005

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICES - FAR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	ALDOH	ALDOH	010	IAF	IF		FB					
	ALDOH	UVAXE	020		TF		FB	1.0	058.0 (050.0T)	007.3	AA 03500	
	BZM	BZM	010	IAF	IF		FB					
	BZM	UVAXE	020		TF		FB	1.0	159.4 (151.4T)	005.6	AA 03500	
		UVAXE	010	FACF	IF		FB				AA 03500	
		TEMKY	020	FAF	TF		FB	0.5	104.7 (096.7T)	006.0	AA 02600	
		USCOB	021	SDF	TF		FB	0.3	104.8 (096.8T)	002.6	AA 01760 GS 01779	
		RW10	030	MAP	TF		FO	0.3	104.8 (096.8T)	002.4	AT 01015	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		104.8 (096.8T)		AA 01440	
	SANFI	050		DF	L	FO				AA 03400	
	SANFI	060		HM	R	FO		071.3 (063.3T)	004.0	AA 03400	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	BZM	N355207.87	W0811425.90	N3552.131	W08114.432
	ALDOH	N354233.18	W0811801.31	N3542.553	W08118.022
	USCOB	N354614.05	W0810039.90	N3546.234	W08100.665
	SANFI	N355741.48	W0805933.44	N3557.691	W08059.557
	TEMKY	N354632.35	W0810348.66	N3546.539	W08103.811
	UVAXE	N354714.80	W0811109.67	N3547.247	W08111.161
	RW10	N354556.93	W0805744.20	N3545.949	W08057.737

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW10	00955	60

QUALITY
4
CHECKED

CITY AND STATE STATESVILLE, NC	ELEVATION: 968	THRE: 955	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME:	STATESVILLE RGNL	RNAV	RNAV (GPS) RWY 10, AMDT 1	AMDT: ORIG
				24 JULY 2014	DATED: 10/27/2005

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.											
TERMINAL ROUTES				MISSED APPROACH											
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LPV: DA LNAV/VNAV: DA LNAV: RW28 CLIMB TO 1380 THEN CLIMBING RIGHT TURN TO 3400 DIRECT SANFI AND HOLD. ADDITIONAL FLIGHT DATA: HOLD W, RT, 071.25 INBOUND. CHART FAS OBST: 1030 TREE 354546N/0805646W CHART: 1045 TREE 354533N/0805344W DISTANCE TO THLD FROM 200 HATH: 0.47 NM. CHART VDP AT 0.82 MILES TO RW28* *LNAV ONLY. WAAS CHANNEL # 60903 REFERENCE PATH ID: W28A CHART CIRCLING ICON. LTP HAE: 260.5 M											
JOTTA	DUNRE (FB)	150.69 / 13.20	3500												
MOPEL	OSOG (FB)	073.81 / 10.16	3400												
DUNRE (IAF)	PEGTE (NOPT) (FB)	194.99 / 6.00	3400												
OSOG (IAF)	PEGTE (NOPT) (FB)	014.97 / 6.00	3400												
PEGTE (IF/IAF)	HESAB (FB)	284.98 / 7.00	2600												
HESAB (FAF)	ICENU/2.40 NM TO RW28 (FB)	284.90 / 2.59													
(SEE FORM 8260-10)															
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. HOLD E PEGTE, RT, 284.98 INBOUND, 3400 FT. IN LIEU OF PT (IAF) 3. FAC: <u>284.90</u> FAF: <u>HESAB</u> DIST FAF TO MAP: <u>4.99</u> THLD: <u>4.99</u> 4. MIN. ALT: PEGTE 3400, HESAB 2600, ICENU/2.40 NM TO RW28 1760* 5. DIST TO THLD FROM OM: <u> </u> MM: <u> </u> IM: <u> </u> 150 HAT: <u> </u> 100 HAT: <u> </u> GS ANT: <u> </u> 6. MIN GS INCPT: <u>2600</u> GS ALT AT: HESAB 2600 OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u>3.00</u> TCH: <u>49.8</u> 34:1 IS CLEAR 8. MSA FROM: RW28 3900															
				MAG VAR: 8W EPOCH YEAR: 2015											
MINIMUMS															
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE: N A		STANDARD @									
CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	1160	1/2	200	1160	1/2	200	1160	1/2	200	1160	1/2	200			
LNAV/VNAV DA	1211	1/2	251	1211	1/2	251	1211	1/2	251	1211	1/2	251			
LNAV MDA	1280	1/2	320	1280	1/2	320	1280	1/2	320	1280	1/2	320			
CIRCLING	1420	1	452	1540	1	572	1540	1 1/2	572	1560	2	592			
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C (4F) OR ABOVE 54C (130F). @ NA WHEN LOCAL WEATHER NOT AVAILABLE. CHART NOTE: DME/DME RNP-0.3 NA. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT JOTTA ON V20 SOUTHWEST BOUND AND T201 NORTHBOUND. (SEE FORM 8260-10)															
CITY AND STATE		ELEVATION: 968 THRE: 960		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:					
STATESVILLE, NC		AIRPORT NAME:		RNAV		RNAV (GPS) RWY 28, AMDT 3 24 JULY 2014				AMDT: 2					
		STATESVILLE RGNL								DATED 06/08/2006					

QUALITY
 7
 CHECKED

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
ICENU/2.40 NM TO RW28	RW28 (MAP) (FO)	284.90 / 2.40	
RW28 (MAP)	1380 MSL	284.90	1380
1380 MSL	SANFI (FO)		3400

NOTES, (CONT.):

CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE LINCOLNTON ALTIMETER SETTING AND INCREASE LPV DA TO 1218, LNAV/VNAV DA TO 1269, AND ALL MDA 60 FEET; INCREASE LNAV/VNAV ALL CATS AND LNAV CATS C/D VISIBILITY 1/8, AND CIRCLING CAT C 1/4 MILE.

CHART NOTE: VDP AND BARO-VNAV NA WHEN USING LINCOLNTON ALTIMETER SETTING.

CHART NOTE: FOR INOPERATIVE MALSR, INCREASE LNAV/VNAV ALL CATS AND LNAV CATS C/D VISIBILITY TO 7/8 MILE.

CHART NOTE: FOR INOPERATIVE MALSR WHEN USING LINCOLNTON ALTIMETER SETTING, INCREASE LNAV/VNAV ALL CATS AND LNAV CATS C/D VISIBILITY TO 1 MILE.

QUALITY
7
CHECKED

CITY AND STATE
STATESVILLE, NC

ELEVATION: 968 THRE: 960
 AIRPORT NAME:
 STATESVILLE RGNL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:
 RNAV (GPS) RWY 28, AMDT 3
 24 JULY 2014

SUP:
 AMDT: 2
 DATED: 06/08/2006

RNAV STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

FAS DATA BLOCK INFORMATIONDATA FIELDDATA

OPERATION TYPE 0
SBAS SERVICE PROVIDER IDENTIFIER 0
AIRPORT IDENTIFIER KSVH
RUNWAY RW28
APPROACH PERFORMANCE DESIGNATOR 0
ROUTE INDICATOR
REFERENCE PATH DATA SELECTOR 0
REFERENCE PATH IDENTIFIER (APPROACH ID) W28A
LTP/FTP LATITUDE 354550.5095N
LTP/FTP LONGITUDE 0805638.4835W
LTP/FTP ELLIPSOIDAL HEIGHT +02605
FPAP LATITUDE 354601.1240N
FPAP LONGITUDE 0805827.1920W
THRESHOLD CROSSING HEIGHT (TCH) 00049.8
TCH UNITS SELECTOR (METERS OR FEET USED) F
GLIDEPATH ANGLE (GPA) 03.00
COURSE WIDTH AT THRESHOLD 106.75
LENGTH OFFSET 0784
HORIZONTAL ALERT LIMIT (HAL) 40.0
VERTICAL ALERT LIMIT (VAL) 35.0

CRC REMAINDER

218D045A

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K7
LTP ORTHOMETRIC HEIGHT +02925
FPAP ORTHOMETRIC HEIGHT +02925

QUALITY
6
CHECKED

CITY AND STATE

STATESVILLE, NC

ELEVATION: 968

THRE: 960

AIRPORT NAME:

STATESVILLE RGNL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 28, AMDT 3

24 JULY 2014

SUP:

AMDT:

2

DATED:

06/08/2006

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

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ARINC PACKET - 424-18 - RNAV (GPS)

[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KSVHK7FR28	AJOTTA	010JOTTAK7EA0E	IF						18000		A JS	
SUSAP	KSVHK7FR28	AJOTTA	020DUNREK7EA0E	A 020TF		15070132		+ 03500				A JS	
SUSAP	KSVHK7FR28	AJOTTA	030PEGTEK7EA0EE	B 010TF		19500060		+ 03400				A JS	
SUSAP	KSVHK7FR28	AMOPED	010MOPEDK7EA0E	IF						18000		A JS	
SUSAP	KSVHK7FR28	AMOPED	020OSOG EK7EA0E	A 020TF		07380102		+ 03400				A JS	
SUSAP	KSVHK7FR28	AMOPED	030PEGTEK7EA0EE	B 010TF		01500060		+ 03400				A JS	
SUSAP	KSVHK7FR28	APEGTE	010PEGTEK7EA0EE	AR HF		28500040		+ 03400		18000		A JS	
SUSAP	KSVHK7FR28	R	010PEGTEK7EA0E	I IF				+ 03400		18000		A JS	
SUSAP	KSVHK7FR28	R	020HESABK7EA1E	F 051TF		28500070		+ 02600			RW28	K7PGA JS	
SUSAP	KSVHK7FR28	R	020HESABK7EA2WALPV		ALNAV/VNAV ALNAV							JS	
SUSAP	KSVHK7FR28	R	0211CENUK7EA0E	S 031TF		28490026		V 0176001774		-300		A JS	
SUSAP	KSVHK7FR28	R	030RW28 K7PGOGY	M 031TF		28490024		01010		-300		A JS	
SUSAP	KSVHK7FR28	R	040	0 M CA		2849		+ 01380				A JS	
SUSAP	KSVHK7FR28	R	050SANFIK7EA0EY	R DF				+ 03400				A JS	
SUSAP	KSVHK7FR28	R	060SANFIK7EA0EE	R HM		07130040		+ 03400				A JS	

[illegible][illegible]

CITY AND STATE STATESVILLE, NC	ELEVATION: 968 THRE: 960	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 28, AMDT 3	SUP:
	AIRPORT NAME: STATESVILLE RGNL	RNAV	24 JULY 2014	AMDT: 2
				DATED: 06/08/2006

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
 FLIGHT STANDARDS SERVICES - FAR PART 97.33

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SUSAP KSVHK7PR28	RW28	001	0000W28A0N3545505095W08056384835+026050300N3546011240W08058271920106750784000498F400350218D045A
SUSAP KSVHK7PR28	RW28	002E	+02925+02925LPV 60903

[illegible]

CHERIE

CITY AND STATE STATESVILLE, NC	ELEVATION: 968 AIRPORT NAME: STATESVILLE RGNL	THRE: 960 RNAV	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 28, AMDT 3 24 JULY 2014	SUP:
					AMDT: 2
					DATED: 06/08/2006

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICES - FAR PART 97.33

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ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	JOTTA	JOTTA	010		IF		FB					
	JOTTA	DUNRE	020	IAF	TF		FB	2.0	150.7 (142.7T)	013.2	AA 03500	
	JOTTA	PEGTE	030		TF		FB	1.0	195.0 (187.0T)	006.0	AA 03400	
	MOPED	MOPED	010		IF		FB					
	MOPED	OSOGE	020	IAF	TF		FB	2.0	073.8 (065.8T)	010.2	AA 03400	
	MOPED	PEGTE	030		TF		FB	1.0	015.0 (007.0T)	006.0	AA 03400	
	PEGTE	PEGTE	010	IAF	HF	R	FO		285.0 (277.0T)	004.0	AA 03400	
	PEGTE	PEGTE	010	FACF	IF		FB				AA 03400	
	HESAB	020		FAF	TF		FB	0.5	285.0 (277.0T)	007.0	AA 02600	
	ICENU	021		SDF	TF		FB	0.3	284.9 (276.9T)	002.6	AA 01760 GS 01774	
	RW28	030		MAP	TF		FO	0.3	284.9 (276.9T)	002.4	AT 01010	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		284.9 (276.9T)		AA 01380	
	SANFI	050		DF	R	FO				AA 03400	
	SANFI	060		HM	R	FO		071.3 (063.3T)	004.0	AA 03400	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	DUNRE	N355021.67	W0804107.24	N3550.361	W08041.121
	HESAB	N354514.61	W0805032.93	N3545.244	W08050.549
	ICENU	N354533.30	W0805342.81	N3545.555	W08053.714
	JOTTA	N360053.03	W0805057.79	N3600.884	W08050.963
	MOPED	N353416.24	W0805417.02	N3534.271	W08054.284
	OSOGE	N353825.94	W0804254.72	N3538.432	W08042.912
	PEGTE	N354423.81	W0804201.05	N3544.397	W08042.018
	SANFI	N355741.48	W0805933.44	N3557.691	W08059.557
	RW28	N354550.51	W0805638.48	N3545.842	W08056.641

RUNWAY DATA	THRESHOLD	ELEVATION	TCH
RWY			
RW28	00960		50

CITY AND STATE STATESVILLE, NC	ELEVATION: 968	THRE: 960	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME: STATESVILLE RGNL		RNAV	RNAV (GPS) RWY 28, AMDT 3	AMDT: 2
				24 JULY 2014	DATED: 06/08/2006

VOR/DME STANDARD INSTRUMENT APPROACH PROCEDURE

Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
BZM VOR/DME (IAF)	ERIES/BZM 4.00 DME	120.96 / 4.00	3500	MAP: NEPUE/BZM 14.45 DME FIX
ERIES/BZM 4.00 DME (IF)	GAGEC/BZM 7.00 DME	120.96 / 3.00 (BZM R-121)	3200	
GAGEC/BZM 7.00 DME	HEITH/BZM 10.00 DME	120.96 / 3.00 (BZM R-121)	2600	CLIMB TO 3500 ON BZM VOR/DME R-118 TO OWALT/BZM 18.88 DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3500.
				ADDITIONAL FLIGHT DATA:
				HOLD SE, RT, 298.16 INBOUND. CHART FAS OBST: 1230 TOWER 354710N/0805920W HEITH TO RW10: 3.00/60. CHART CIRCLING ICON. FAC CROSSES RWY C/L EXTENDED 3000 FROM THLD.

1. PT	NA	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)
2.	PROFILE STARTS AT ERIES/BZM 4.00 DME					
3. FAC	120.96	FAF	HEITH/BZM 10.00 DME	DIST FAF TO MAP		THLD 4.92
4. MIN. ALT	ERIES 3500, GAGEC 3200, HEITH 2600, WEVUG/BZM 12.00 DME 1940					
8. MSA FROM:	BZM VOR/DME 5800					

MAG VAR: 6W

EPOCH YEAR:1990

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT							ALTERNATE: N A			STANDARD @					
CATEGORY =====>	A			B			C			D			E		
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA
S-10	1480	1	525	1480	1	525	1480	1 1/2	525	1480	1 1/2	525			
CIRCLING	1480	1	512	1540	1	572	1540	1 1/2	572	1560	2	592			

NOTES:

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON BZM VOR/DME AIRWAY RADIALS 071 CW 143.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE LINCOLNTON ALTIMETER SETTING AND INCREASE ALL MDA 60 FEET; INCREASE S-10 CATS C/D AND CIRCLING CAT C VISIBILITY 1/4 MILE.
CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.
CHART NOTE: WHEN RWY 10 VGSI INOPERATIVE, STRAIGHT-IN AND CIRCLING TO RWY 10 NA AT NIGHT.

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY
6
CHECKED

CITY AND STATE STATESVILLE, NC	ELEVATION: 968	THRE: 955	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: VOR/DME RWY 10, AMDT 9 24 JULY 2014	SUP	
	AIRPORT NAME:			AMDT	8
	STATESVILLE RGNL			DATE	01/18/2007

FAA FORM 8260 - 3 / April 2006 (computer generated) PAGE 1 OF 5 PAGES

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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NOTES, (CONT.):

CHART NOTE: CIRCLING NA FOR CATS B, C, AND D NW OF RWYS 6 AND 19.

CHART NOTE: NIGHT LANDING: RWY 1, 24 NA.

CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.

CHART PLANVIEW NOTE: LIMIT MISSED APPROACH TO 225 KIAS.

CITY AND STATE

TETERBORO, NJ

ELEVATION: 8

TDZE: 6

AIRPORT NAME:

TETERBORO

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:

RNAV (GPS) Y RWY 19, ORIG

24 JULY 2014

SUP:

AMDT: NONE

DATED:

RNAV STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33

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FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KTEB
RUNWAY	RW19
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	Y
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W19A
LTP/FTP LATITUDE	405120.6860N
LTP/FTP LONGITUDE	0740332.8025W
LTP/FTP ELLIPSOIDAL HEIGHT	-00301
FPAP LATITUDE	404951.6705N
FPAP LONGITUDE	0740339.3555W
THRESHOLD CROSSING HEIGHT (TCH)	00054.8
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0856
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0

<u>CRC REMAINDER</u>	9C5DC017

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+00017
FPAP ORTHOMETRIC HEIGHT	+00017

CITY AND STATE TETERBORO, NJ	ELEVATION: 8 AIRPORT NAME: TETERBORO	TDZE: 6	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) Y RWY 19, ORIG 24 JULY 2014	SUP:
					AMDT: NONE
					DATED:

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[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KTEBK6FR19-Y R			010WULVIK6EA0E	I	IF				+ 02000	18000		A JS	
SUSAP KTEBK6FR19-Y R			020NYGTSK6EA1E	F	051TF		19520062		+ 01500		RW19	K6PGA JS	
SUSAP KTEBK6FR19-Y R			020NYGTSK6EA2WALPV			ALNAV/VNAV	ALNAV					JS	
SUSAP KTEBK6FR19-Y R			030RW19 K6PG0GY M	031TF			19520045		00060		-300	A JS	
SUSAP KTEBK6FR19-Y R			040	0	M	CA	1952		+ 00420			A JS	
SUSAP KTEBK6FR19-Y R			050MORNSK6EA0EY	R	DF				+ 03000		225	A-JS	
SUSAP KTEBK6FR19-Y R			060MORNSK6EA0EE	R	HM		06130040		+ 03000			A JS	

[illegible][illegible][illegible]

CITY AND STATE TETERBORO, NJ	ELEVATION: 8 AIRPORT NAME: TETERBORO	TDZE: 6 RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) Y RWY 19, ORIG 24 JULY 2014	SUP:
				AMDT: NONE
				DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICES - FAR PART 97.33

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ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		WULVI	010	FACF	IF		FB				AA 02000	
		NYGTS	020	FAF	TF		FB	0.5	195.2(183.2T)	006.2	AA 01500	
		RW19	030	MAP	TF		FO	0.3	195.2(183.2T)	004.5	AT 00060	
MISSED APPROACH		FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
			040		CA		FB		195.2(183.2T)		AA 00420	
		MORNS	050		DF	R	FO				AA 03000	AB 225
		MORNS	060		HM	R	FO		061.3(049.3T)	004.0	AA 03000	
POINT DATA		WAYPOINT		LAT IN SECS		LONG IN SECS		LAT IN MINS		LONG IN MINS		
		MORNS		N405021.48		W0741912.70		N4050.358		W07419.212		
		NYGTS		N405551.58		W0740312.83		N4055.860		W07403.214		
		WULVI		N410203.82		W0740245.31		N4102.064		W07402.755		
		RW19		N405120.69		W0740332.80		N4051.345		W07403.547		
RUNWAY DATA				THRESHOLD								
		RWY		ELEVATION		TCH						
		RW19		00006		55						

CITY AND STATE
TETERBORO, NJ

ELEVATION: 8 TDZE: 6
AIRPORT NAME:
TETERBORO

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
RNAV (GPS) Y RWY 19, ORIG
24 JULY 2014

SUP:
AMDT: NONE
DATED:

QUALITY
CHECKED

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
**RNAV (RNP) - STANDARD,
 INSTRUMENT APPROACH PROCEDURE, - TITLE 14 CFR PART 97.33**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
COMOK (IF)	HOOTH (TF) (FB) (RNP 0.30)	155.13 / 6.00	2000
HOOTH	ALSIW (TF) (FB) (RNP 0.30)	180.18 / 3.00	1500
ALSIW (FAF)	JAPIR (MAP) (TF) (FB)	195.19 / 3.76	
JAPIR (MAP)	FOXIB (RF) (FB) (RNP 0.50)	(4.69 NM RADIUS CW (CFBMM)/9.05	1500
FOXIB	MORNS (TF) (FO) (RNP1.00)	305.72 / 5.85	3000

NOTES, (CONT.):

NORTHBOUND.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON SBJ VOR/DME AIRWAY RADIALS 028 CW 117.

CHART PLANVIEW NOTE AT STW VOR/DME, SBJ VOR/DME, COATE: (RNP 0.30).

CHART NOTE: MISSED APPROACH REQUIRES RNP LESS THAN 1.0.

CITY AND STATE

TETERBORO, NJ

ELEVATION: 8

TDZE: 6

AIRPORT NAME:

TETERBORO

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (RNP) Z RWY 19, ORIG-D
24 JULY 2014

SUP: RNAV (RNP) RWY 19

AMDT: ORIG-C

DATED: 06/27/2013

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

[illegible][illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KTEBK6FH19-Z	ACOATE	010COATEK6EA0E		IF					18000		A	FS
SUSAP	KTEBK6FH19-Z	ACOATE	020LELMEK6PC0E	A	010TF				+ 03000			A	FS
SUSAP	KTEBK6FH19-Z	ACOATE	030COMOKK6PC0E	B	051TF				+ 03000			A	FS
SUSAP	KTEBK6FH19-Z	ACOATE	040HOOTHK6PC0EE		031TF				+ 02000			A	FS
SUSAP	KTEBK6FH19-Z	ASBJ	010SBJ K6D 0V		IF					18000		A	FS
SUSAP	KTEBK6FH19-Z	ASBJ	020SHOTTK6EA0E		010TF				+ 03000			A	FS
SUSAP	KTEBK6FH19-Z	ASBJ	030LELMEK6PC0E	A	010TF				+ 03000			A	FS
SUSAP	KTEBK6FH19-Z	ASBJ	040COMOKK6PC0E	B	051TF				+ 03000			A	FS
SUSAP	KTEBK6FH19-Z	ASBJ	050HOOTHK6PC0EE		031TF				+ 02000			A	FS
SUSAP	KTEBK6FH19-Z	ASTW	010STW K6D 0V		IF					18000		A	FS
SUSAP	KTEBK6FH19-Z	ASTW	020LELMEK6PC0E	A	010TF				+ 03000			A	FS
SUSAP	KTEBK6FH19-Z	ASTW	030COMOKK6PC0E	B	051TF				+ 03000			A	FS

CITY AND STATE TETERBORO, NJ	ELEVATION: 8 AIRPORT NAME: TETERBORO	TDZE: 6	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (RNP) Z RWY 19, ORIG-D 24 JULY 2014	SUP: RNAV (RNP) RWY 19	
					AMDT:	ORIG-C
					DATED:	06/27/2013

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (RNP) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICES - FAR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

SUSAP KTEBK6FH19-Z ASTW	040HOOTHK6PC0EE	031TF		+ 02000		A FS
SUSAP KTEBK6FH19-Z H	010HOOTHK6PC0E	I IF		+ 02000	18000	A FS
SUSAP KTEBK6FH19-Z H	020ALSIWK6PC1E	F 031TF		+ 01500		RW19 K6PGA FS
SUSAP KTEBK6FH19-Z H	020ALSIWK6PC2W				A011	FS
SUSAP KTEBK6FH19-Z H	030JAPIRK6PC0E	M 011TF		00283	-300	A FS
SUSAP KTEBK6FH19-Z H	040FOXIBK6PC0E	M R051RF	0046901952	+ 01500		CFBMM K6PCA FS
SUSAP KTEBK6FH19-Z H	050MORNSK6EA0EY	010TF		+ 03000		A FS
SUSAP KTEBK6FH19-Z H	060MORNSK6EA0EE	R HM		06130040	+ 03000	A FS

	1	2	3	4	5	6	7	8	9	0	1	2	3
RUNWAY	1234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP KTEBK6GRW19	0070001952 N40512069W074033280+0042 -0030100006077055150IITJL1												

	1	2	3	4	5	6	7	8	9	0	1	2	3
MSA	1234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP KTEBK6SRW19 K6PG	0 18018003025 M												

CITY AND STATE TETERBORO, NJ	ELEVATION: 8	TDZE: 6	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP: RNAV (RNP) RWY 19
	AIRPORT NAME: TETERBORO		RNAV	RNAV (RNP) Z RWY 19, ORIG-D	AMDT: ORIG-C
				24 JULY 2014	DATED: 06/27/2013

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (RNP) STANDARD INSTRUMENT APPROACH PROCEDURE
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ARINC SUMMARY - 424-18 - RNAV (RNP)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	COATE	COATE	010		IF		FB					
	COATE	LELME	020	IAF	TF		FB	1.0			AA 03000	
	COATE	COMOK	030		TF		FB	0.5			AA 03000	
	COATE	HOOTH	040		TF		FB	0.3			AA 02000	
	SBJ	SBJ	010		IF		FB					
	SBJ	SHOTT	020		TF		FB	1.0			AA 03000	
	SBJ	LELME	030	IAF	TF		FB	1.0			AA 03000	
	SBJ	COMOK	040		TF		FB	0.5			AA 03000	
	SBJ	HOOTH	050		TF		FB	0.3			AA 02000	
	STW	STW	010		IF		FB					
	STW	LELME	020	IAF	TF		FB	1.0			AA 03000	
	STW	COMOK	030		TF		FB	0.5			AA 03000	
	STW	HOOTH	040		TF		FB	0.3			AA 02000	
		HOOTH	010	FACF	IF		FB				AA 02000	
		ALSIW	020	FAF	TF		FB	0.3			AA 01500	
		JAPIR	030	MAP	TF		FB	0.1			AT 00283	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	FOXIB	040		RF	R	FB	0.5		009.1	AA 01500	
	MORNS	050		TF		FO	1.0			AA 03000	
	MORNS	060		HM	R	FO		061.3 (049.3T)	004.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	SBJ	N403458.96	W0744430.46	N4034.983	W07444.508
	STW	N405944.95	W0745208.51	N4059.749	W07452.142
	COATE	N410810.42	W0744142.60	N4108.174	W07441.710
	MORNS	N405021.48	W0741912.70	N4050.358	W07419.212
	SHOTT	N405156.91	W0743037.43	N4051.949	W07430.624
	ALSIW	N405548.21	W0740313.15	N4055.804	W07403.219
	CFBMM	N405218.18	W0740940.09	N4052.303	W07409.668
	COMOK	N410332.76	W0740846.99	N4103.546	W07408.783
	FOXIB	N404800.34	W0741209.09	N4048.006	W07412.152
	HOOTH	N405844.50	W0740401.79	N4058.742	W07404.030
	JAPIR	N405202.67	W0740329.73	N4052.045	W07403.496
	LELME	N410205.63	W0742431.61	N4102.094	W07424.527
	RW19	N405120.69	W0740332.80	N4051.345	W07403.547

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH



CITY AND STATE TETERBORO, NJ	ELEVATION: 8	TDZE: 6	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP: RNAV (RNP) RWY 19
	AIRPORT NAME:	TETERBORO	RNAV	RNAV (RNP) Z RWY 19, ORIG-D	AMDT: ORIG-C
				24 JULY 2014	DATED: 06/27/2013

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (RNP) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICES - FAR PART 97.33

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RW19 00006 55

CITY AND STATE
TETERBORO, NJ

ELEVATION: 8 TDZE: 6
AIRPORT NAME:
TETERBORO

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
RNAV (RNP) Z RWY 19, ORIG-D
24 JULY 2014

SUP: RNAV (RNP) RWY 19

AMDT: ORIG-C

DATED: 06/27/2013

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.33

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TERMINAL ROUTES

MISSED APPROACH

FROM	TO	COURSE AND DISTANCE	ALTITUDE

ADDITIONAL FLIGHT DATA:

1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)
 2. _____
 3. FAC: _____ FAF: _____ DIST FAF TO MAP: _____ THLD: _____
 4. MIN. ALT: _____
 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____
 6. MIN GS INCPT: _____ GS ALT AT: _____ OM: _____ MM: _____ IM: _____
 7. GS ANGLE: _____ TCH: _____
 8. MSA FROM: _____

MAG VAR: _____ EPOCH YEAR: _____

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT							ALTERNATE: N A									
CATEGORY =====>	A			B			C			D			E			
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	

NOTES:

PROCEDURE CANCELED EFFECTIVE 24 JULY 2014

CITY AND STATE NEW YORK, NY	ELEVATION: 14	TDZE: 14	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) X RWY 31L, AMDT 1B, 03/10/2011	SUP:
	AIRPORT NAME:				AMDT: 1A
	JOHN F KENNEDY INTL				DATED 09/25/2008

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION		RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33		Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.											
TERMINAL ROUTES				MISSED APPROACH											
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LPV: DA LNAV/VNAV: DA LNAV: RW31L CLIMB TO 500 THEN CLIMBING LEFT TURN TO 3000 DIRECT FRNKY AND ON TRACK 202.63 TO CHANT AND HOLD. ADDITIONAL FLIGHT DATA: HOLD S, RT, 012.00 INBOUND. CHART FAS OBST: 340 ROD ON OL ATCT 403833N/0734653W DISTANCE TO THLD FROM 200 HAT: 0.47 NM. CHART VDP AT 1.63 MILES TO RW31L* *LNAV ONLY. WAAS CHANNEL # 50119 REFERENCE PATH ID: W31A CHART CIRCLING ICON. LTP HAE: -28.1 M											
DPK VOR/DME	SESKE (FB)	230.01 / 10.00	2400												
CHANT	RISSY (FB)	071.79 / 9.20	2000												
SESKE (IAF)	ZACHS (FB)	229.92 / 9.47	2000												
RISSY (IAF)	ZACHS (FB)	024.98 / 8.00	2000												
ZACHS (IF)	CUVKU (FB)	314.91 / 6.69	1800												
CUVKU	RW31L (MAP) (FO)	314.83 / 5.45													
RW31L (MAP)	500 MSL	314.83	500												
(SEE FORM 8260-10)															
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. PROFILE STARTS AT ZACHS 3. FAC: <u>314.83</u> FAF: <u>CUVKU</u> DIST FAF TO MAP: <u>5.45</u> THLD: <u>5.45</u> 4. MIN. ALT: ZACHS 2000, CUVKU 1800 5. DIST TO THLD FROM OM: <u> </u> MM: <u> </u> IM: <u>150</u> HAT: <u>100</u> HAT: <u> </u> GS ANT: <u> </u> 6. MIN GS INCPT: <u>1800</u> GS ALT AT: <u>CUVKU 1800</u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u>3.00</u> TCH: <u>51.0</u> 34:1 IS CLEAR 8. MSA FROM: <u>RW31L 2900</u>															
				MAG VAR: 14W EPOCH YEAR: 2000											
MINIMUMS															
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE: N A											
				STANDARD											
CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	213	4000	200	213	4000	200	213	4000	200	213	4000	200			
LNAV/VNAV DA	541	1 3/4	528	541	1 3/4	528	541	1 3/4	528	541	1 3/4	528			
LNAV MDA	600	5500	587	600	5500	587	600	1 3/4	587	600	1 3/4	587			
CIRCLING	640	1	627	640	1	627	640	1 3/4	627	660	2	647			
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -12C (11F) OR ABOVE 54C (130F). CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED WITH RWY RWY 31R. CHART NOTE: DME/DME RNP-0.3 NA. (SEE FORM 8260-10)															
CITY AND STATE NEW YORK, NY		ELEVATION: 13 TDZE: 13 AIRPORT NAME: JOHN F KENNEDY INTL		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMD T NO./EFFECTIVE DATE: RNAV (GPS) Y RWY 31L, AMDT 2 24 JULY 2014						SUP: AMDT: 1B DATED 03/10/2011			

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
500 MSL	FRNKY (FB)		
FRNKY	CHANT (FO)	202.63 / 5.88	3000

NOTES, (CONT.):

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON DPK VOR/DME AIRWAY RADIALS 221 CW 258.

CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.

CHART NOTE: USE OF FD OR AP PROVIDING RNAV TRACK GUIDANCE REQUIRED DURING SIMULTANEOUS OPERATIONS.

CHART NOTE: LNAV PROCEDURE NA DURING SIMULTANEOUS OPERATIONS.

CHART PLANVIEW NOTE AT CHANT: RADAR REQUIRED FOR PROCEDURE ENTRY AT CHANT.

CITY AND STATE
NEW YORK, NY

ELEVATION: 13 TDZE: 13
AIRPORT NAME:
JOHN F KENNEDY INTL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:
RNAV (GPS) Y RWY 31L, AMDT 2
24 JULY 2014

SUP:
AMDT: 1B
DATED: 03/10/2011

RNAV STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

FAS DATA BLOCK INFORMATIONDATA FIELDDATA

OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KJFK
RUNWAY	RW31L
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	Y
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W31A
LTP/FTP LATITUDE	403757.2760N
LTP/FTP LONGITUDE	0734654.7820W
LTP/FTP ELLIPSOIDAL HEIGHT	-00281
FPAP LATITUDE	403854.1020N
FPAP LONGITUDE	0734900.1730W
THRESHOLD CROSSING HEIGHT (TCH)	00051.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0000
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0

CRC REMAINDER

2B5B57B7

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+00038
FPAP ORTHOMETRIC HEIGHT	+00038

CITY AND STATE
NEW YORK, NY

ELEVATION: 13 TDZE: 13
AIRPORT NAME:
JOHN F KENNEDY INTL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:
RNAV (GPS) Y RWY 31L, AMDT 2
24 JULY 2014

SUP:	
AMDT:	1B
DATED:	03/10/2011

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[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KJFKK6FR31LY	ACHANT	010CHANTK6EA0E	IF						18000		A JS	
SUSAP	KJFKK6FR31LY	ACHANT	020RISSYK6EA0E	A 020TF			07180092	+	02000			A JS	
SUSAP	KJFKK6FR31LY	ACHANT	030ZACHSK6EA0EE	B 010TF			02500080	+	02000			A JS	
SUSAP	KJFKK6FR31LY	ADPK	010DPK K6D 0V	IF						18000		A JS	
SUSAP	KJFKK6FR31LY	ADPK	020SESKEK6EA0E	A 020TF			23000100	+	02400			A JS	
SUSAP	KJFKK6FR31LY	ADPK	030ZACHSK6EA0EE	B 010TF			22990095	+	02000			A JS	
SUSAP	KJFKK6FR31LY	R	010ZACHSK6EA0E	I IF				+	02000	18000		A JS	
SUSAP	KJFKK6FR31LY	R	020CUVKUK6EA1E	F 051TF			31490067	+	01800		RW31L K6PGA	JS	
SUSAP	KJFKK6FR31LY	R	020CUVKUK6EA2WALPV		ALNAV/VNAV	ALNAV						JS	
SUSAP	KJFKK6FR31LY	R	030RW31LK6PG0GY	M 031TF			31480055		00064	-300		A JS	
SUSAP	KJFKK6FR31LY	R	040	0 M CA			3148	+	00500			A JS	
SUSAP	KJFKK6FR31LY	R	050FRNKYK6EA0E	L DF								A JS	
SUSAP	KJFKK6FR31LY	R	060CHANTK6EA0EY	010TF			2026	+	03000			A JS	
SUSAP	KJFKK6FR31LY	R	070CHANTK6EA0EE	R HM			01200040	+	03000			A JS	

[illegible]

CITY AND STATE NEW YORK, NY	ELEVATION: 13 AIRPORT NAME: JOHN F KENNEDY INTL	TDZE: 13	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) Y RWY 31L, AMDT 2 24 JULY 2014	SUP:
					AMDT: 1B
					DATED: 03/10/2011

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICES - FAR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

PP 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012

SUSAP KJFKK6PR31LY RW31L001Y0000W31A0N4037572760W07346547820-002810300N4038541020W07349001730106750000000510F4003502B5B57B7
SUSAP KJFKK6PR31LY RW31L002E +00038+00038LPV 50119

1 2 3 4 5 6 7 8 9 0 1 2 3
MSA 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012

SUSAP KJFKK6SRW31LK6PG 0 18018002925 M

CITY AND STATE
NEW YORK, NY

ELEVATION: 13 TDZE: 13
AIRPORT NAME:
JOHN F KENNEDY INTL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
RNAV (GPS) Y RWY 31L, AMDT 2
24 JULY 2014

SUP:
AMDT: 1B
DATED: 03/10/2011

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
 FLIGHT STANDARDS SERVICES - FAR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	CHANT	CHANT	010		IF		FB					
	CHANT	RISSY	020	IAF	TF		FB	2.0	071.8 (057.8T)	009.2	AA 02000	
	CHANT	ZACHS	030		TF		FB	1.0	025.0 (011.0T)	008.0	AA 02000	
	DPK	DPK	010		IF		FB					
	DPK	SESKE	020	IAF	TF		FB	2.0	230.0 (216.0T)	010.0	AA 02400	
	DPK	ZACHS	030		TF		FB	1.0	229.9 (215.9T)	009.5	AA 02000	
		ZACHS	010	FACF	IF		FB				AA 02000	
		CUVKU	020	FAF	TF		FB	0.5	314.9 (300.9T)	006.7	AA 01800	
		RW31L	030	MAP	TF		FO	0.3	314.8 (300.8T)	005.5	AT 00064	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		314.8 (300.8T)		AA 00500	
	FRNKY	050		DF	L	FB					
	CHANT	060		TF		FO	1.0	202.6 (188.6T)		AA 03000	
	CHANT	070		HM	R	FO		012.0 (358.0T)	004.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	DPK	N404730.30	W0731813.17	N4047.505	W07318.220
	CHANT	N401858.29	W0734524.99	N4018.972	W07345.417
	CUVKU	N403509.67	W0734045.76	N4035.161	W07340.763
	FRNKY	N402447.64	W0734415.73	N4024.794	W07344.262
	RISSY	N402352.17	W0733513.79	N4023.870	W07335.230
	SESKE	N403924.46	W0732556.65	N4039.408	W07325.944
	ZACHS	N403143.69	W0733313.91	N4031.728	W07333.232
	RW31L	N403757.28	W0734654.78	N4037.955	W07346.913

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW31L	00013	51

CITY AND STATE NEW YORK, NY	ELEVATION: 13	TDZE: 13	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) Y RWY 31L, AMDT 2 24 JULY 2014	SUP:
	AIRPORT NAME: JOHN F KENNEDY INTL				AMDT: 1B
					DATED: 03/10/2011

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION		RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33		Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.											
TERMINAL ROUTES				MISSED APPROACH											
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LPV: DA LNAV/VNAV: DA LNAV: RW31R CLIMB TO 1800 THEN CLIMBING LEFT TURN TO 4000 DIRECT COL VOR/DME AND HOLD. ADDITIONAL FLIGHT DATA: HOLD N, RT, 193.00 INBOUND. FAS OBST: 209 AAO (085-2380) 403605N/0734006W DISTANCE TO THLD FROM 200 HAT: 0.47 NM. CHART VDP AT 1.25 MILES TO RW31R* *LNAV ONLY. WAAS CHANNEL # 45519 REFERENCE PATH ID: W31B CHART CIRCLING ICON. LTP HAE: -28.2 M											
DPK VOR/DME	PZULU (FB)	216.30 / 11.07	3000												
CAMRN	VIDIO (FB)	045.64 / 26.51	3000												
PZULU (IAF)	CATOD (FB)	248.09 / 8.00	3000												
VIDIO (IAF)	CATOD (FB)	019.99 / 9.00	3000												
CATOD (IF)	IGIDE (FB)	314.94 / 6.22	1900												
IGIDE (FAF)	RW31R (MAP) (FO)	314.84 / 5.78													
RW31R (MAP)	1800 MSL	314.84	1800												
1800 MSL	COL VOR/DME (FO)		4000												
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. PROFILE STARTS AT CATOD <u> </u> 3. FAC: <u>314.84</u> FAF: IGIDE <u> </u> DIST FAF TO MAP: <u>5.78</u> THLD: <u>5.78</u> 4. MIN. ALT: CATOD 3000, IGIDE 1900 5. DIST TO THLD FROM OM: <u> </u> MM: <u> </u> IM: <u> </u> 150 HAT: <u> </u> 100 HAT: <u> </u> GS ANT: <u> </u> 6. MIN GS INCPT: <u>1900</u> GS ALT AT: IGIDE 1900 <u> </u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u>3.00</u> TCH: <u>48.6</u> 34:1 IS CLEAR 8. MSA FROM: RW31R 2900															
				MAG VAR: 14W EPOCH YEAR: 2000											
MINIMUMS															
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT			ALTERNATE: N A												
CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	212	2400	200	212	2400	200	212	2400	200	212	2400	200			
LNAV/VNAV DA	369	3500	357	369	3500	357	369	3500	357	369	3500	357			
LNAV MDA	460	2400	448	460	2400	448	460	4500	448	460	4500	448			
CIRCLING	640	1	627	640	1	627	640	1 3/4	627	660	2	647			
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -12C (11F) OR ABOVE 54C (130F). CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED WITH RWY 31L. CHART NOTE: DME/DME RNP-0.3 NA. (SEE FORM 8260-10)															
CITY AND STATE		ELEVATION: 13 TDZE: 12		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:						SUP:			
NEW YORK, NY		AIRPORT NAME:		JOHN F KENNEDY INTL		RNAV (GPS) Y RWY 31R, AMDT 2 24 JULY 2014						AMDT: 1B			
												DATED 03/10/2011			

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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NOTES, (CONT.):

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON DPK VOR/DME AIRWAY RADIAL 258.

CHART NOTES: MINIMUM ALTITUDE AT CATOD 2000 WHEN AUTHORIZED BY ATC

CHART NOTE: USE OF FD OR AP PROVIDING RNAV TRACK GUIDANCE REQUIRED DURING SIMULTANEOUS OPERATIONS.

CHART NOTE: LNAV PROCEDURE NA DURING SIMULTANEOUS OPERATIONS.

CITY AND STATE

NEW YORK, NY

ELEVATION: 13

TDZE: 12

AIRPORT NAME:

JOHN F KENNEDY INTL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:

RNAV (GPS) Y RWY 31R, AMDT 2

24 JULY 2014

SUP:

AMDT:

1B

DATED:

03/10/2011

RNAV STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33

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FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KJFK
RUNWAY	RW31R
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	Y
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W31B
LTP/FTP LATITUDE	403842.6105N
LTP/FTP LONGITUDE	0734544.8530W
LTP/FTP ELLIPSOIDAL HEIGHT	-00282
FPAP LATITUDE	403928.2110N
FPAP LONGITUDE	0734725.4460W
THRESHOLD CROSSING HEIGHT (TCH)	00048.6
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0016
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0

<u>CRC REMAINDER</u>	3A89FA9E

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+00037
FPAP ORTHOMETRIC HEIGHT	+00037

CITY AND STATE

NEW YORK, NY

ELEVATION: 13

TDZE: 12

AIRPORT NAME:

JOHN F KENNEDY INTL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) Y RWY 31R, AMDT 2

24 JULY 2014

SUP:

AMDT:

1B

DATED:

03/10/2011

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KJFKK6FR31RY	ACAMRN	010CAMRNNK6EA0E	IF						18000		A JS	
SUSAP	KJFKK6FR31RY	ACAMRN	020VIDI0K6EA0E	A 020TF		04560265		+ 03000				A JS	
SUSAP	KJFKK6FR31RY	ACAMRN	030CATODK6EA0EE	B 010TF		02000090		+ 03000				A JS	
SUSAP	KJFKK6FR31RY	ADPK	010DPK K6D 0V	IF						18000		A JS	
SUSAP	KJFKK6FR31RY	ADPK	020PZULUK6EA0E	A 020TF		21630111		+ 03000				A JS	
SUSAP	KJFKK6FR31RY	ADPK	030CATODK6EA0EE	B 010TF		24810080		+ 03000				A JS	
SUSAP	KJFKK6FR31RY	R	010CATODK6EA0E	I IF				+ 03000		18000		A JS	
SUSAP	KJFKK6FR31RY	R	020IGIDEK6EA1E	F 051TF		31490062		+ 01900			RW31R K6PGA	JS	
SUSAP	KJFKK6FR31RY	R	020IGIDEK6EA2WALPV		ALNAV/VNAV	ALNAV						JS	
SUSAP	KJFKK6FR31RY	R	030RW31RK6PG0GY	M 031TF		31480058		00061		-300		A JS	
SUSAP	KJFKK6FR31RY	R	040	0 M	CA	3148		+ 01800				A JS	
SUSAP	KJFKK6FR31RY	R	050COL	K6D 0VY	L DF			+ 04000				A JS	
SUSAP	KJFKK6FR31RY	R	060COL	K6D 0VE	R HM	19300040		+ 04000				A JS	

[illegible][illegible]

CITY AND STATE NEW YORK, NY	ELEVATION: 13 AIRPORT NAME: JOHN F KENNEDY INTL	TDZE: 12 RNAV	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) Y RWY 31R, AMDT 2 24 JULY 2014	SUP:
					AMDT: 1B
					DATED: 03/10/2011

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICES - FAR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

SUSAP KJFKK6PR31RY RW31R001Y0000W31B0N4038426105W07345448530-002820300N4039282110W07347254460106750016000486F4003503A89FA9E
SUSAP KJFKK6PR31RY RW31R002E +00037+00037LPV 45519

	1	2	3	4	5	6	7	8	9	0	1	2	3
MSA	12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												

SUSAP KJFKK6SRW31RK6PG				0	18018002925							M	

CITY AND STATE
NEW YORK, NY

ELEVATION: **13** TDZE: **12**
AIRPORT NAME:
JOHN F KENNEDY INTL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
RNAV (GPS) Y RWY 31R, AMDT 2
24 JULY 2014

SUP:
AMDT: **1B**
DATED: **03/10/2011**

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
 FLIGHT STANDARDS SERVICES - FAR PART 97.33

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ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	CAMRN	CAMRN	010		IF		FB					
	CAMRN	VIDIO	020	IAF	TF		FB	2.0	045.6(031.6T)	026.5	AA 03000	
	CAMRN	CATOD	030		TF		FB	1.0	020.0(006.0T)	009.0	AA 03000	
	DPK	DPK	010		IF		FB					
	DPK	PZULU	020	IAF	TF		FB	2.0	216.3(202.3T)	011.1	AA 03000	
	DPK	CATOD	030		TF		FB	1.0	248.1(234.1T)	008.0	AA 03000	
		CATOD	010	FACF	IF		FB				AA 03000	
		IGIDE	020	FAF	TF		FB	0.5	314.9(300.9T)	006.2	AA 01900	
		RW31R	030	MAP	TF		FO	0.3	314.8(300.8T)	005.8	AT 00061	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		314.8(300.8T)		AA 01800	
	COL	050		DF	L	FO				AA 04000	
	COL	060		HM	R	FO		193.0(179.0T)	004.0	AA 04000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	COL	N401841.88	W0740935.02	N4018.698	W07409.584
	DPK	N404730.30	W0731813.17	N4047.505	W07318.220
	CAMRN	N400102.29	W0735139.81	N4001.038	W07351.664
	CATOD	N403233.38	W0733214.04	N4032.556	W07332.234
	IGIDE	N403545.02	W0733913.97	N4035.750	W07339.233
	PZULU	N403715.39	W0732344.07	N4037.257	W07323.735
	VIDIO	N402335.96	W0733327.92	N4023.599	W07333.465
	RW31R	N403842.61	W0734544.85	N4038.710	W07345.748

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW31R	00012	49

CITY AND STATE NEW YORK, NY	ELEVATION: 13	TDZE: 12	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) Y RWY 31R, AMDT 2 24 JULY 2014	SUP:
	AIRPORT NAME: JOHN F KENNEDY INTL				AMDT: 1B
					DATED: 03/10/2011

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION				RNAV (RNP) - STANDARD, INSTRUMENT APPROACH PROCEDURE, TITLE 14 CFR PART 97.33				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.							
TERMINAL ROUTES										MISSED APPROACH					
FROM		TO		COURSE AND DISTANCE				ALTITUDE		RNP: DA					
DPK VOR/DME		SESKE (TF) (FB) (RNP 2.00)		230.01 / 10.00				2400		CLIMB TO 500 THEN CLIMBING LEFT TURN TO 3000 DIRECT FRNKY AND ON TRACK 202.63 TO CHANT AND HOLD.					
CHANT		RISSY (TF) (FB) (RNP 2.00)		071.79 / 9.20				2000							
SESKE (IAF)		ZACHS (TF) (FB) (RNP 1.00)		229.92 / 9.47				2000							
RISSY (IAF)		ZACHS (TF) (FB) (RNP 1.00)		024.98 / 8.00				2000							
ZACHS (IF)		CUVKU (TF) (FB) (RNP 1.00)		314.91 / 6.69				1800							
(SEE FORM 8260-10)										ADDITIONAL FLIGHT DATA: HOLD S, RT, 012.00 INBOUND. CHART FAS OBST: 69 TREE 403758N/0734540W DISTANCE TO THLD FROM 397 HATH: 1.09 NM. ROUTE TYPE QUALIFIER 1:F # TCH 63.5 MSL (DO NOT CHART) ROUTE TYPE QUALIFIER 2:S ROUTE TYPE: A,H					
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)										MAG VAR: 14W EPOCH YEAR: 2000					
2. PROFILE STARTS AT ZACHS															
3. FAC: 314.83 FAF: _____ DIST FAF TO MAP: _____ THLD: _____															
4. MIN. ALT: ZACHS 2000, CUVKU 1800															
5. DIST TO THLD FROM OM: 5.45 MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____															
6. MIN GS INCPT: 1800 GS ALT AT: CUVKU 1800 OM: _____ MM: _____ IM: _____															
7. GS ANGLE: 3.00 TCH: 51.0# 34:1 IS CLEAR															
8. MSA FROM: RW31L 2900															
MINIMUMS															
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT								ALTERNATE: N A		STANDARD					
CATEGORY =====>		A		B		C		D		E					
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
AUTHORIZATION REQUIRED															
RNP 0.30 DA	410	1 3/8	397	410	1 3/8	397	410	1 3/8	397	410	1 3/8	397			
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -12C (11F) OR ABOVE 54C (130F). CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED WITH RWY 31R. CHART NOTE: GPS REQUIRED. (SEE FORM 8260-10)															
CITY AND STATE NEW YORK, NY		ELEVATION: 13 TDZE: 13 AIRPORT NAME: JOHN F KENNEDY INTL		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (RNP) Z RWY 31L, AMDT 1 24 JULY 2014						SUP: AMDT: ORIG-A DATED 07/28/2011			

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (RNP) - STANDARD,
INSTRUMENT APPROACH PROCEDURE, - TITLE 14 CFR PART 97.33

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TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
CUVKU (FAF)	RW31L (MAP) (TF) (FO)	314.83 / 5.45	
RW31L (MAP)	500 MSL (CA)	314.83	500
500 MSL	FRNKY (DF) (FB)		
FRNKY (DF)	CHANT (TF) (FO) (RNP 1.00)	202.63 / 5.88	3000

NOTES, (CONT.):

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON DPK VOR/DME AIRWAY RADIALS 221 CW 258.

CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.

CHART NOTE: USE OF FD OR AP PROVIDING RNAV TRACK GUIDANCE REQUIRED DURING SIMULTANEOUS OPERATIONS.

CHART PLANVIEW NOTE AT CHANT: RADAR REQUIRED.

CHART SPEED ICON IN PLANVIEW AT ZACHS: MAX 210 KIAS..

CITY AND STATE
NEW YORK, NY

ELEVATION: 13 TDZE: 13
AIRPORT NAME:
JOHN F KENNEDY INTL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:
RNAV (RNP) Z RWY 31L, AMDT 1
24 JULY 2014

SUP:
AMDT: ORIG-A
DATED: 07/28/2011

RNAV (RNP) STANDARD INSTRUMENT APPROACH PROCEDURE

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ARINC PACKET - 424-18 - RNAV (RNP)

[illegible][illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KJFKK6FH31LZ	ACHANT	010	CHANTK6PC0E	IF					18000		A	FS
SUSAP	KJFKK6FH31LZ	ACHANT	020	RISYK6PC0E	A 020TF			+ 02000				A	FS
SUSAP	KJFKK6FH31LZ	ACHANT	030	ZACHSK6EA0EE	B 010TF			+ 02000		210		A	FS
SUSAP	KJFKK6FH31LZ	ADPK	010	DPK K6D 0V	IF					18000		A	FS
SUSAP	KJFKK6FH31LZ	ADPK	020	SESKEK6PC0E	A 020TF			+ 02400				A	FS
SUSAP	KJFKK6FH31LZ	ADPK	030	ZACHSK6EA0EE	B 010TF			+ 02000		210		A	FS
SUSAP	KJFKK6FH31LZ	H	010	ZACHSK6EA0E	I IF			+ 02000		18000210		A	FS
SUSAP	KJFKK6FH31LZ	H	020	CUVKUK6PC1E	F 010TF			+ 01800			RW31L K6PGA	FS	
SUSAP	KJFKK6FH31LZ	H	020	CUVKUK6PC2W					A031			FS	
SUSAP	KJFKK6FH31LZ	H	030	RW31LK6PG0GY	M 031TF			00064		-300		A	FS
SUSAP	KJFKK6FH31LZ	H	040		0 M CA		3148	+ 00500				A	FS
SUSAP	KJFKK6FH31LZ	H	050	FRNKYK6PC0E	L DF							A	FS
SUSAP	KJFKK6FH31LZ	H	060	CHANTK6PC0EY	010TF			+ 03000				A	FS
SUSAP	KJFKK6FH31LZ	H	070	CHANTK6PC0EE	R HM		01200040	+ 03000				A	FS

[illegible]

CITY AND STATE
NEW YORK, NY

ELEVATION: 13	TDZE: 13
AIRPORT NAME: JOHN F KENNEDY INTL	

FACILITY
IDENTIFIER:
| RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
RNAV (RNP) Z RWY 31L, AMDT 1
24 JULY 2014

SUP:	
AMDT:	ORIG-A
DATED:	07/28/2011

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

SUSAP KJFKK6GRW31L 0145113148 N40375728W073465478+0000 -0028100013326351200IIMOH1

[illegible]

CITY AND STATE NEW YORK, NY	ELEVATION: 13	TDZE: 13	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (RNP) Z RWY 31L, AMDT 1 24 JULY 2014	SUP:
	AIRPORT NAME: JOHN F KENNEDY INTL				AMDT: ORIG-A
					DATED: 07/28/2011

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (RNP) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICES - FAR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - 424-18 - RNAV (RNP)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	CHANT	CHANT	010		IF		FB					
	CHANT	RISSY	020	IAF	TF		FB	2.0			AA 02000	
	CHANT	ZACHS	030		TF		FB	1.0			AA 02000	AB 210
	DPK	DPK	010		IF		FB					
	DPK	SESKE	020	IAF	TF		FB	2.0			AA 02400	
	DPK	ZACHS	030		TF		FB	1.0			AA 02000	AB 210
		ZACHS	010	FACF	IF		FB				AA 02000	AB 210
		CUVKU	020	FAF	TF		FB	1.0			AA 01800	
		RW31L	030	MAP	TF		FO	0.3			AT 00064	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		314.8(300.8T)		AA 00500	
	FRNKY	050		DF	L	FB					
	CHANT	060		TF		FO	1.0			AA 03000	
	CHANT	070		HM	R	FO		012.0(358.0T)	004.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	DPK	N404730.30	W0731813.17	N4047.505	W07318.220
	ZACHS	N403143.69	W0733313.91	N4031.728	W07333.232
	CHANT	N401858.29	W0734524.99	N4018.972	W07345.417
	CUVKU	N403509.67	W0734045.76	N4035.161	W07340.763
	FRNKY	N402447.64	W0734415.73	N4024.794	W07344.262
	RISSY	N402352.17	W0733513.79	N4023.870	W07335.230
	SESKE	N403924.46	W0732556.65	N4039.408	W07325.944
	RW31L	N403757.28	W0734654.78	N4037.955	W07346.913

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW31L	00013	51

CITY AND STATE NEW YORK, NY	ELEVATION: 13	TDZE: 13	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (RNP) Z RWY 31L, AMDT 1 24 JULY 2014	SUP:
	AIRPORT NAME: JOHN F KENNEDY INTL				AMDT: ORIG-A
					DATED: 07/28/2011

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION				RNAV (RNP) - STANDARD, INSTRUMENT APPROACH PROCEDURE, TITLE 14 CFR PART 97.33				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.							
TERMINAL ROUTES										MISSED APPROACH					
FROM		TO		COURSE AND DISTANCE				ALTITUDE		RNP: DA					
DPK VOR/DME		PZULU (TF) (FB) (RNP 2.00)		216.30 / 11.07				3000		CLIMB TO 1800 THEN CLIMBING LEFT TURN TO 4000 DIRECT COL VOR/DME AND HOLD.					
CAMRN		VIDIO (TF) (FB) (RNP 2.00)		045.64 / 26.51				3000							
PZULU (IAF)		CATOD (TF) (FB) (RNP 1.00)		248.09 / 8.00				3000							
VIDIO (IAF)		CATOD (TF) (FB) (RNP 1.00)		019.99 / 9.00				3000							
CATOD (IF)		IGIDE (TF) (FB) (RNP 1.00)		314.94 / 6.22				1900							
(SEE FORM 8260-10)										ADDITIONAL FLIGHT DATA: HOLD N, RT, 193.00 INBOUND. CHART FAS OBST: 134 STACK 403750N/0734430W DISTANCE TO THLD FROM 446 HAT: 1.25 NM. ROUTE TYPE: A,H ROUTE TYPE QUALIFIER 2:S # TCH 60.7 MSL (DO NOT CHART) ROUTE TYPE QUALIFIER 1:F					
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)										MAG VAR: 14W EPOCH YEAR: 2000					
2. PROFILE STARTS AT IGIDE															
3. FAC: 314.84 FAF: _____ DIST FAF TO MAP: _____ THLD: _____															
4. MIN. ALT: CATOD 3000, IGIDE 1900															
5. DIST TO THLD FROM OM: 5.78 MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____															
6. MIN GS INCPT: 1900 GS ALT AT IGIDE 1900 OM: _____ MM: _____ IM: _____															
7. GS ANGLE: 3.00 TCH: 48.6# 34:1 IS CLEAR															
8. MSA FROM: RW31R 2900															
MINIMUMS															
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT								ALTERNATE: N A		STANDARD					
CATEGORY =====>		A		B		C		D		E					
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
AUTHORIZATION REQUIRED															
RNP 0.30 DA	458	5000	446	458	5000	446	458	5000	446	458	5000	446			
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -12C (09F) OR ABOVE 54C (130F). CHART NOTE: FOR INOPERATIVE MALSR, INCREASE RNP 0.30 DA ALL CATS VISIBILITY TO 1 1/2 MILE. CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED WITH RWY 31L. (SEE FORM 8260-10)															
CITY AND STATE NEW YORK, NY		ELEVATION: 13 TDZE: 12 AIRPORT NAME: JOHN F KENNEDY INTL		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (RNP) Z RWY 31R, AMDT 1 24 JULY 2014						SUP: AMDT: ORIG-B DATED 07/28/2011			

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (RNP) - STANDARD,
INSTRUMENT APPROACH PROCEDURE, - TITLE 14 CFR PART 97.33

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TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
IGIDE (FAF)	RW31R (MAP) (TF) (FO)	314.84 / 5.78	
RW31R (MAP)	1800 MSL (CA)	314.84	1800
1800 MSL	COL VOR/DME (DF) (FO)		4000

NOTES, (CONT.):

CHART NOTE: GPS REQUIRED.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON DPK VOR/DME AIRWAY RADIAL 258.

CHART NOTE: USE OF FD OR AP PROVIDING RNAV TRACK GUIDANCE REQUIRED DURING SIMULTANEOUS OPERATIONS.

CHART SPEED ICON IN PLANVIEW AT CATOD: MAX 210 KIAS.

CITY AND STATE
NEW YORK, NY

ELEVATION: 13 TDZE: 12
AIRPORT NAME:
JOHN F KENNEDY INTL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:
RNAV (RNP) Z RWY 31R, AMDT 1
24 JULY 2014

SUP:
AMDT: ORIG-B
DATED: 07/28/2011

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

[illegible][illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KJFKK6FH31RZ	ACAMRN	010CAMRNK6EA0E		IF					18000		A	FS
SUSAP	KJFKK6FH31RZ	ACAMRN	020VIDIOK6PC0E	A	020TF			+ 03000				A	FS
SUSAP	KJFKK6FH31RZ	ACAMRN	030CATODK6PC0EE	B	010TF			+ 03000		210		A-FS	
SUSAP	KJFKK6FH31RZ	ADPK	010DPK	K6D	0V					18000		A	FS
SUSAP	KJFKK6FH31RZ	ADPK	020PZULUK6PC0E	A	020TF			+ 03000				A	FS
SUSAP	KJFKK6FH31RZ	ADPK	030CATODK6PC0EE	B	010TF			+ 03000		210		A-FS	
SUSAP	KJFKK6FH31RZ	H	010CATODK6PC0E	I	IF			+ 03000		18000210		A-FS	
SUSAP	KJFKK6FH31RZ	H	020IGIDEK6PC1E	F	010TF			+ 01900			RW31R	K6PGA	FS
SUSAP	KJFKK6FH31RZ	H	020IGIDEK6PC2W						A031				FS
SUSAP	KJFKK6FH31RZ	H	030RW31RK6PG0GY	M	031TF			00061		-300		A	FS
SUSAP	KJFKK6FH31RZ	H	040	0	M	CA		3148		+ 01800		A	FS
SUSAP	KJFKK6FH31RZ	H	050COL	K6D	0VY	DF				+ 04000		A	FS
SUSAP	KJFKK6FH31RZ	H	060COL	K6D	0VE	R	HM	19300040		+ 04000		A	FS

[illegible]

CITY AND STATE NEW YORK, NY	ELEVATION: 13 AIRPORT NAME: JOHN F KENNEDY INTL	TDZE: 12 RNAV	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (RNP) Z RWY 31R, AMDT 1 24 JULY 2014	SUP:
					AMDT: ORIG-B
					DATED: 07/28/2011

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

[illegible]

CITY AND STATE NEW YORK, NY	ELEVATION: 13 AIRPORT NAME: JOHN F KENNEDY INTL	TDZE: 12 RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (RNP) Z RWY 31R, AMDT 1 24 JULY 2014	SUP:
				AMDT: ORIG-B
				DATED: 07/28/2011

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (RNP) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICES - FAR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - 424-18 - RNAV (RNP)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	CAMRN	CAMRN	010		IF		FB					
	CAMRN	VIDIO	020	IAF	TF		FB	2.0			AA 03000	
	CAMRN	CATOD	030		TF		FB	1.0			AA 03000	AB 210
	DPK	DPK	010		IF		FB					
	DPK	PZULU	020	IAF	TF		FB	2.0			AA 03000	
	DPK	CATOD	030		TF		FB	1.0			AA 03000	AB 210
		CATOD	010	FACF	IF		FB				AA 03000	AB 210
		IGIDE	020	FAF	TF		FB	1.0			AA 01900	
		RW31R	030	MAP	TF		FO	0.3			AT 00061	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		314.8(300.8T)		AA 01800	
	COL	050		DF		FO				AA 04000	
	COL	060		HM	R	FO		193.0(179.0T) 004.0		AA 04000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	COL	N401841.88	W0740935.02	N4018.698	W07409.584
	DPK	N404730.30	W0731813.17	N4047.505	W07318.220
	CAMRN	N400102.29	W0735139.81	N4001.038	W07351.664
	CATOD	N403233.38	W0733214.04	N4032.556	W07332.234
	IGIDE	N403545.02	W0733913.97	N4035.750	W07339.233
	PZULU	N403715.39	W0732344.07	N4037.257	W07323.735
	VIDIO	N402335.96	W0733327.92	N4023.599	W07333.465
	RW31R	N403842.61	W0734544.85	N4038.710	W07345.748

RUNWAY DATA	THRESHOLD	
	RWY	ELEVATION TCH
RW31R	00012	42

CITY AND STATE NEW YORK, NY	ELEVATION: 13	TDZE: 12	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (RNP) Z RWY 31R, AMDT 1 24 JULY 2014	SUP:
	AIRPORT NAME: JOHN F KENNEDY INTL				AMDT: ORIG-B
					DATED: 07/28/2011

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION				RNAV (RNP) - STANDARD, INSTRUMENT APPROACH PROCEDURE, TITLE 14 CFR PART 97.33				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.								
TERMINAL ROUTES										MISSED APPROACH						
FROM		TO		COURSE AND DISTANCE				ALTITUDE		RNP: DA						
GRITY (IAF)		TICKL (TF) (FB) (RNP 1.00)		084.91 / 10.75				3000		CLIMB TO 2000 ON TRACK 044.14 TO GREKO AND HOLD.						
MINKS (IAF)		RENUE (TF) (FB) (RNP 1.00)		056.14 / 12.02				3000								
RENUE		TICKL (TF) (FB) (RNP 1.00)		044.85 / 3.54				3000		ADDITIONAL FLIGHT DATA: HOLD NE, LT, 223.00 INBOUND. DISTANCE TO THLD FROM 322 HAT: 0.82 NM. ROUTE TYPE QUALIFIER 1: F ROUTE TYPE QUALIFIER 2: S #TCH 74.3 MSL (DO NOT CHART) ROUTE TYPE: A,H						
TICKL (IF)		DNNIS (TF) (FB) (RNP 1.00)		044.62 / 9.35				1700								
DNNIS (FAF)		RW04 (MAP) (TF) (FO)		044.09 / 4.94												
RW04 (MAP)		GREKO (TF) (FO) (RNP 1.00)		044.14 / 6.82				2000								
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. PROFILE STARTS AT TICKL 3. FAC: 044.09 FAF: _____ DIST FAF TO MAP: _____ THLD: _____ 4. MIN. ALT: TICKL 3000, DNNIS 1700 5. DIST TO THLD FROM OM: 4.94 MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 1700 GS ALT AT: DNNIS 1700 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.10 TCH: 53.7# 34:1 IS NOT CLEAR 8. MSA FROM: RW04 2900																
										MAG VAR: 12W		EPOCH YEAR: 1980				
MINIMUMS																
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT								ALTERNATE: N A		X						
CATEGORY ==>		A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	
AUTHORIZATION REQUIRED																
RNP 0.18 DA	343	5000	322	343	5000	322	343	5000	322	343	5000	322				
RNP 0.30 DA	474	5000	453	474	5000	453	474	5000	453	474	5000	453				
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -10C (14F) OR ABOVE 47C (118F). CHART NOTE: GPS REQUIRED. CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT. (SEE FORM 8260-10)																
CITY AND STATE		ELEVATION: 21 TDZE: 21		AIRPORT NAME:		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:				
NEW YORK, NY				LA GUARDIA		RNAV		RNAV (RNP) Z RWY 4, AMDT 1 24 JULY 2014				AMDT: ORIG-A				
												DATED 06/30/2011				

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
**RNAV (RNP) - STANDARD,
INSTRUMENT APPROACH PROCEDURE, - TITLE 14 CFR PART 97.33**

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NOTES, (CONT.):

CHART NOTE: FOR INOPERATIVE MALSR, INCREASE RNP 0.30 ALL CATS VISIBILITY TO 1 1/2.

CHART PLANVIEW NOTE: RADAR REQUIRED.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT GRITY ON V433 WESTBOUND.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT MINKS ON V123-157 SOUTHWEST BOUND.

CITY AND STATE
NEW YORK, NY

ELEVATION: 21 TDZE: 21
AIRPORT NAME:
LA GUARDIA

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (RNP) Z RWY 4, AMDT 1
24 JULY 2014

SUP:
AMDT: ORIG-A
DATED: 06/30/2011

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KLGA6FH04-Z	AGRITY	010GRITYK6EA0E	A	IF					18000		A	FS
SUSAP	KLGA6FH04-Z	AGRITY	020TICKLK6EA0EE	B	010TF			+ 03000				A	FS
SUSAP	KLGA6FH04-Z	AMINKS	010MINKSK6EA0E	A	IF					18000		A	FS
SUSAP	KLGA6FH04-Z	AMINKS	020RENUEK6EA0E		010TF			+ 03000				A	FS
SUSAP	KLGA6FH04-Z	AMINKS	030TICKLK6EA0EE	B	010TF			+ 03000				A	FS
SUSAP	KLGA6FH04-Z	H	010TICKLK6EA0E	I	IF			+ 03000		18000		A	FS
SUSAP	KLGA6FH04-Z	H	020DNNISK6PC1E	F	010TF			+ 01700			RW04	K6PGA	FS
SUSAP	KLGA6FH04-Z	H	020DNNISK6PC2W						A031A182				FS
SUSAP	KLGA6FH04-Z	H	030RW04 K6PG0GY	M	031TF				00074		-310	A	FS
SUSAP	KLGA6FH04-Z	H	040GREKOK6PC0EYM		010TF			+ 02000				A	FS
SUSAP	KLGA6FH04-Z	H	050GREKOK6PC0EE	L	HM		22300040	+ 02000				A	FS

[illegible][illegible]

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QUALITY
CHECKED

FAA FORM 8260 - 10 / April 2006 (Computer Generated)

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (RNP) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICES - FAR PART 97.33

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ARINC SUMMARY - 424-18 - RNAV (RNP)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	GRITY	GRITY	010	IAF	IF		FB					
	GRITY	TICKL	020		TF		FB	1.0			AA 03000	
	MINKS	MINKS	010	IAF	IF		FB					
	MINKS	RENUE	020		TF		FB	1.0			AA 03000	
	MINKS	TICKL	030		TF		FB	1.0			AA 03000	
		TICKL	010	FACF	IF		FB				AA 03000	
		DNNIS	020	FAF	TF		FB	1.0			AA 01700	
		RW04	030	MAP	TF		FO	0.3			AT 00074	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	GREKO	040		TF		FO	1.0			AA 02000	
	GREKO	050		HM	L	FO		223.0 (211.0T)	004.0	AA 02000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	GRITY	N403056.12	W0741636.95	N4030.935	W07416.616
	MINKS	N402229.54	W0741637.10	N4022.492	W07416.618
	RENUE	N403106.72	W0740538.72	N4031.112	W07405.645
	TICKL	N403405.06	W0740307.69	N4034.084	W07403.128
	DNNIS	N404157.77	W0735630.09	N4041.963	W07356.502
	GREKO	N405155.66	W0734815.87	N4051.928	W07348.265
	RW04	N404608.99	W0735302.83	N4046.150	W07353.047

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW04	00021	54

QUALITY
CHECKED

CITY AND STATE NEW YORK, NY	ELEVATION: 21	TDZE: 21	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME:			RNAV (RNP) Z RWY 4, AMDT 1	AMDT: ORIG-A
	LA GUARDIA	RNAV	24 JULY 2014	DATED: 06/30/2011	

ILS - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.29				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.											
TERMINAL ROUTES				MISSED APPROACH											
FROM	TO	COURSE AND DISTANCE	ALTITUDE	ILS: DA LOC: 5.20 MILES AFTER HANGS INT/I-EXR 4.99 DME OR AT I-EXR 0.21 DME FIX CLIMB TO 5000 ON HEADING 180 AND ON IRW VORTAC R-168 TO JAVXE INT/IRW 11.58 DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 5000. ADDITIONAL FLIGHT DATA: HOLD S, RT, 348.01 INBOUND. CHART FAS OBST: 1368 TOWER 352546N/0973540W CHART: ASR. CHART CIRCLING ICON. CHART I-EXR DME ANTENNA IN PROFILE.											
IFI VORTAC (IAF)	ATREC INT/I-EXR 12.49 DME (NOPT)	109.96 / 23.19	5000												
ATREC INT/I-EXR 12.49 DME (IF)	GOLFS INT/I-EXR 8.99 DME	174.96 / 3.50 (I-EXR)	4000												
GOLFS INT/I-EXR 8.99 DME	HANGS INT/I-EXR 4.99 DME	174.96 / 4.00 (I-RGR)	3000												
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. HOLD N ATREC, LT, 174.96 INBOUND, 5000 FT. IN LIEU OF PT (IAF) 3. FAC: <u>174.96</u> FAF: HANGS INT/I-EXR 4.99 DME DIST FAF TO MAP: <u>5.20</u> THLD: <u>5.20</u> 4. MIN. ALT: ATREC 5000, GOLFS 4000, HANGS 3000, RURIQ/I-EXR 1.09 DME 1740* 5. DIST TO THLD FROM OM: <u> </u> - MM: <u> </u> - IM: <u> </u> 150 HAT: <u> </u> - 100 HAT: <u> </u> - GS ANT: <u>1120</u> 6. MIN GS INCPT: <u>3000</u> GS ALT AT: HANGS 3000 OM: <u> </u> - MM: <u> </u> - IM: <u> </u> 7. GS ANGLE: <u>3.00</u> TCH: <u>58.7</u> 8. MSA FROM: IRW VORTAC 060-240 3100, 240-060 3800				MAG VAR: 5E EPOCH YEAR: 2010											
MINIMUMS															
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE: N A		ILS: STANDARD #		LOC: STANDARD @							
CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
S-ILS 17L**	1486	2400	200	1486	2400	200	1486	2400	200	1486	2400	200	1486	2400	200
S-LOC 17L	1740	2400	454	1740	2400	454	1740	4500	454	1740	4500	454	1740	4500	454
CIRCLING	1740	1	445	1760	1	465	1960	1 3/4	665	2000	2 1/4	705	2240	3	945
RURIQ FIX MINIMUMS															
S-LOC 17L	1680	2400	394	1680	2400	394	1680	3500	394	1680	3500	394	1680	3500	394
CIRCLING	1740	1	445	1760	1	465	1960	1 3/4	665	2000	2 1/4	705	2240	3	945
NOTES: CHART NOTE: **RVR 1800 AUTHORIZED WITH USE OF FD OR AP OR HUD TO DA. CHART NOTE: FOR INOPERATIVE MALSR, INCREASE S-ILS 17L CAT E VISIBILITY TO RVR 4000 AND S-LOC 17L CAT E VISIBILITY TO 1 3/8, AND RURIQ FIX MINIMUMS S-LOC 17L CAT E VISIBILITY TO RVR 6000. CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED WITH RWY 17R. (SEE FORM 8260-10)															
CITY AND STATE				ELEVATION: 1295 THRE: 1286		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:			
OKLAHOMA CITY, OK				AIRPORT NAME: WILL ROGERS WORLD		I-EXR		ILS OR LOC RWY 17L, AMDT 3 24 JULY 2014				AMDT: 2			
												DATED 08/25/2011			

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.29

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

NOTES, (CONT.):

CHART NOTE: ADF OR DME REQUIRED.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT IFI VORTAC ON V140 SOUTHWEST BOUND.

***LOC ONLY**

CHART PROFILE NOTE: USE I-EXR DME WHEN ON LOCALIZER COURSE.

CITY AND STATE

OKLAHOMA CITY, OK

ELEVATION: 1295

THRE: 1286

AIRPORT NAME:

WILL ROGERS WORLD

**FACILITY
IDENTIFIER:**

I-EXR

PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:

ILS OR LOC RWY 17L, AMDT 3

24 JULY 2014

SUP:

AMDT: 2

DATED: 08/25/2011

FLIGHT STANDARDS SERVICES - FAR PART 97.29

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KOKCK4FI17L	AATREC	010ATRECK4PC0E	AL	HF		1750T010	+	05000	18000			0	NS
SUSAP KOKCK4FI17L	AATREC	020GOLFSK4PC0EE		CF IEXRK4	355001101	7500035PI	+	04000				0	NS
SUSAP KOKCK4FI17L	AIFI	010IFI K4D 0V	A	IF					18000			0	NS
SUSAP KOKCK4FI17L	AIFI	020ATRECK4PC0E	B	TF			+	05000				0	NS
SUSAP KOKCK4FI17L	AIFI	030GOLFSK4PC0EE		CF IEXRK4	355001101	7500035PI	+	04000				0	NS
SUSAP KOKCK4FI17L	I	010GOLFSK4PC0E	I	IF IEXRK4	35500110		PI	J	04000030001	18000		0	NS
SUSAP KOKCK4FI17L	I	020HANGSK4PC0E	F	CF IEXRK4	355000701	75000040PI	H	0300003000			-300IRW	K4D	0 NS
SUSAP KOKCK4FI17L	I	030RW17LK4PG0GY	M	CF IEXRK4	355000181	75000052PI		01345			-300		0 NS
SUSAP KOKCK4FI17L	I	040	0 M	VI		1800							0 NS
SUSAP KOKCK4FI17L	I	050JAVXEK4PC0EY		CF IRW K4	168001161	68000072D	+	05000					0 NS
SUSAP KOKCK4FI17L	I	060JAVXEK4PC0EE	R	HM		3480T010	+	05000					0 NS

[illegible][illegible]

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
ILS OR LOC RWY 17L, AMDT 3
24 JULY 2014

SUP:	
AMDT:	2
DATED:	08/25/2011

FLIGHT STANDARDS SERVICES - FAR PART 97.29

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

[illegible]

SUP:	
AMDT:	2
DATED:	08/25/2011

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - FAR PART 97.29

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - 424-18 - ILS

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	ATREC	ATREC	010	IAF	HF	L	FO		175.0()	T01.0	AA 05000	
	ATREC	GOLFS	020		CF		FB		175.0()	003.5	AA 04000	
	IFI	IFI	010	IAF	IF		FB					
	IFI	ATREC	020		TF		FB				AA 05000	
	IFI	GOLFS	030		CF		FB		175.0()	003.5	AA 04000	
		GOLFS	010	FACF	IF		FB				AA 04000	GI 03000
		HANGS	020	FAF	CF		FB		175.0()	004.0	GI 03000	GS 03000
		RW17L	030	MAP	CF		FO		175.0()	005.2	AT 01345	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		VI		FB		180.0()			
	JAVXE	050		CF		FO		168.0()	007.2	AA 05000	
	JAVXE	060		HM	R	FO		348.0()	T01.0	AA 05000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	IFI	N354818.96	W0980014.10	N3548.316	W09800.235
	IRW	N352130.95	W0973633.22	N3521.516	W09736.554
	IEXR (DME)	N352430.95	W0973522.95	N3524.516	W09735.383
	ATREC	N353701.52	W0973520.85	N3537.025	W09735.348
	GOLFS	N353331.21	W0973520.67	N3533.520	W09735.345
	HANGS	N352930.84	W0973520.47	N3529.514	W09735.341
	JAVXE	N350957.47	W0973519.47	N3509.958	W09735.325
	RW17L	N352418.57	W0973520.20	N3524.310	W09735.337
	IEXR (LOC)	N352230.27	W0973520.11	N3522.505	W09735.335

RUNWAY DATA	THRESHOLD	
RWY	ELEVATION	TCH
RW17L	01286	59

CITY AND STATE
OKLAHOMA CITY, OK

ELEVATION: 1295 THRE: 1286
AIRPORT NAME:
WILL ROGERS WORLD

FACILITY
IDENTIFIER:
I-EXR

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
ILS OR LOC RWY 17L, AMDT 3
24 JULY 2014

SUP:
AMDT: 2
DATED: 08/25/2011

FLIGHT STANDARDS SERVICES - FAR PART 97.25

ARINC PACKET - 424-18 - LOC

[illegible]

Page 6 of 8 Pages

FLIGHT STANDARDS SERVICES - FAR PART 97.25

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

SUSAP KOKCK4IIEXR1 011090RW17LN35223027W0973520111750N35240750W0973514091150 11200366300E00505901279

[illegible]

SUP:	
AMDT:	2
DATED:	08/25/2011

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

LOC STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - FAR PART 97.25

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - 424-18 - LOC

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	ATREC	ATREC	010	IAF	HF	L	FO		175.0 ()	T01.0	AA 05000	
	ATREC	GOLFS	020		CF		FB		175.0 ()	003.5	AA 04000	
	IFI	IFI	010	IAF	IF		FB				AA 05000	
	IFI	ATREC	020		TF		FB				AA 05000	
	IFI	GOLFS	030		CF		FB		175.0 ()	003.5	AA 04000	
		GOLFS	010	FACF	IF		FB				AA 04000	
		HANGS	020	FAF	CF		FB		175.0 ()	004.0	AA 03000	
		RURIQ	021	SDF	CF		FB		175.0 ()	003.9	AA 01740	
		RW17L	030	MAP	CF		FO		175.0 ()	001.3	AT 01345	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		VI		FB		180.0 ()			
	JAVXE	050		CF		FO		168.0 ()	007.2	AA 05000	
	JAVXE	060		HM	R	FO		348.0 ()	T01.0	AA 05000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	IFI	N354818.96	W0980014.10	N3548.316	W09800.235
	IRW	N352130.95	W0973633.22	N3521.516	W09736.554
	IEXR (DME)	N352430.95	W0973522.95	N3524.516	W09735.383
	ATREC	N353701.52	W0973520.85	N3537.025	W09735.348
	GOLFS	N353331.21	W0973520.67	N3533.520	W09735.345
	HANGS	N352930.84	W0973520.47	N3529.514	W09735.341
	JAVXE	N350957.47	W0973519.47	N3509.958	W09735.325
	RURIQ	N352536.69	W0973520.27	N3525.612	W09735.338
	RW17L	N352418.57	W0973520.20	N3524.310	W09735.337
	IEXR (LOC)	N352230.27	W0973520.11	N3522.505	W09735.335

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW17L	01286	59

CITY AND STATE
OKLAHOMA CITY, OK

ELEVATION: 1295 THRE: 1286
AIRPORT NAME:
WILL ROGERS WORLD

FACILITY
IDENTIFIER:
I-EXR

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
ILS OR LOC RWY 17L, AMDT 3
24 JULY 2014

SUP:
AMDT: 2
DATED: 08/25/2011

ILS - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.29		Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.	
US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION			
TERMINAL ROUTES		MISSED APPROACH	
FROM	TO	COURSE AND DISTANCE	ALTITUDE
IFI VORTAC (IAF)	FILUM INT/I-OKC 14.54 DME (NOPT)	110.87 / 22.45	5000
FILUM INT/I-OKC 14.54 DME (IF/IAF)	ROHAA INT/I-OKC 11.04 DME	174.96 / 3.50 (I-OKC)	4000
ROHAA INT/I-OKC 11.04 DME	IVEYI INT/I-OKC 7.06 DME	174.96 / 3.98 (I-OKC)	3000
		ILS: DA LOC: 5.22 MILES AFTER IVEYI INT/I-OKC 7.06 DME OR AT I-OKC 1.84 DME FIX CLIMB TO 2000 THEN CLIMBING RIGHT TURN TO 3000 ON HEADING 310 AND ON PWA VOR/DME R-216 TO JESKE INT/PWA 14.53 DME AND HOLD, OR AS DIRECTED BY ATC. ALTERNATE MA: CLIMB TO 2000 THEN CLIMBING RIGHT TURN TO 3100 ON IRW VORTAC R-263 TO JESKE INT/IRW 11.98 DME AND HOLD. ADDITIONAL FLIGHT DATA: HOLD SW, RT, 036.15 INBOUND. CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD W JESKE INT/IRW 11.98 DME, RT, 083.10 INBOUND. CHART FAS OBST: 1335 BLDG 352422N/0973631W CHART 1536 TOWER 352847N/0973630W. CHART: ASR. CHART CIRCLING ICON. CHART VDP AT 2.78 DME* DISTANCE VDP TO THLD 0.94 MILES. *LOC ONLY.	
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. HOLD N FILUM, RT, 174.96 INBOUND, 5000 FT. IN LIEU OF PT (IAF) 3. FAC: <u>174.96</u> FAF: IVEYI INT/I-OKC 7.06 DME DIST FAF TO MAP: <u>5.22</u> THLD: <u>5.22</u> 4. MIN. ALT: FILUM 5000, ROHAA 4000, IVEYI 3000, COTOX/3.34 DME 1800* 5. DIST TO THLD FROM OM: <u> </u> MM: <u> </u> IM: <u> </u> 150 HAT: <u> </u> 100 HAT: <u> </u> GS ANT: <u>1150</u> 6. MIN GS INCPT: <u>3000</u> GS ALT AT: IVEYI 3000 OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u>3.00</u> TCH: <u>55.0</u> 8. MSA FROM: IRW VORTAC 060-240 3100, 240-060 3800			
		MAG VAR: 5E EPOCH YEAR: 2010	
MINIMUMS			
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT		ALTERNATE: N A ILS: STANDARD # LOC: STANDARD @	
CATEGORY =====>	A	B	C
DH/MDA	VIS	HAT/HAA	DH/MDA
S-ILS 17R**	1482	2400	200
S-LOC 17R	1800	2400	518
CIRCLING	1800	1	505
COTOX FIX MINIMUMS			
S-LOC 17R	1640	2400	358
CIRCLING	1740	1	445
NOTES: CHART NOTE: **RVR 1800 AUTHORIZED WITH USE OF FD OR AP OR HUD TO DA. CHART NOTE: FOR INOPERATIVE MALSR, INCREASE S-ILS 17R CAT E VISIBILITY TO RVR 4000 AND S-LOC 17R, CATS C/D/E VISIBILITY TO 1 3/8; INCREASE COTOX FIX MINIMUMS S-LOC 17R ALL CATS VISIBILITY TO RVR 5500. (SEE FORM 8260-10)			
CITY AND STATE OKLAHOMA CITY, OK		ELEVATION: 1295 THRE: 1282 AIRPORT NAME: WILL ROGERS WORLD	
FACILITY IDENTIFIER: I-OKC		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 17R, AMDT 12 24 JULY 2014	
SUP: AMDT: 11A DATED 04/05/2012			

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.29

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NOTES, (CONT.):

CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED WITH RWY 17L.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT IFI VORTAC ON V140 SOUTHWEST BOUND.

CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT.

CHART PROFILE VIEW NOTE: USE I-OKC DME WHEN ON LOCALIZER COURSE.

QUALITY
3
CHECKED

CITY AND STATE OKLAHOMA CITY, OK	ELEVATION: 1295 THRE: 1282 AIRPORT NAME: WILL ROGERS WORLD	FACILITY IDENTIFIER: I-OKC	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 17R, AMDT 12 24 JULY 2014	SUP:
				AMDT: 11A
				DATED: 04/05/2012

FLIGHT STANDARDS SERVICES - FAR PART 97.29

ARINC PACKET - 424-18 - ILS

[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KOKCK4FI17R	AFILUM	010FILUMK4PC0EE	AR	HF	IOCKK4	355001451750T010PI	+	05000	18000			0	NS
SUSAP KOKCK4FI17R	AIPI	010IFI K4D 0V A		IF					18000			0	NS
SUSAP KOKCK4FI17R	AIPI	020FILUMK4PC0E	B	TF				+	05000			0	NS
SUSAP KOKCK4FI17R	AIPI	030ROHAAK4PC0EE		CF	IOCKK4	3550011017500035PI	+	04000				0	NS
SUSAP KOKCK4FI17R	I	010ROHAAK4PC0E	I	IF	IOCKK4	35500110	PI	J	040000300018000			0	NS
SUSAP KOKCK4FI17R	I	020IVEYIK4PC0E	F	CF	IOCKK4	3550007017500040PI	H	0300003000		-300IRW	K4D	0	NS
SUSAP KOKCK4FI17R	I	030RW17RK4PG0GY	M	CF	IOCKK4	3550001817500052PI		01337		-300		0	NS
SUSAP KOKCK4FI17R	I	040	0 M	CA		1750	+	02000				0	NS
SUSAP KOKCK4FI17R	I	050	0 R	VIY		3100						0	NS
SUSAP KOKCK4FI17R	I	060JESKEK4PC0EY	L	CFYPWA	K4	2161014521610080D	+	03000				0	NS
SUSAP KOKCK4FI17R	I	070JESKEK4PC0EE	R	HM		0362T010	+	03000				0	NS

[illegible][illegible]

12
CHECKED

CITY AND STATE OKLAHOMA CITY, OK	ELEVATION: 1295 THRE: 1282 AIRPORT NAME: WILL ROGERS WORLD	FACILITY IDENTIFIER: I-OKC	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: ILS OR LOC RWY 17R, AMDT 12 24 JULY 2014	SUP:
				AMDT: 11A
				DATED: 04/05/2012

FLIGHT STANDARDS SERVICES - FAR PART 97.29

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SUSAP KOKCK4IIOKC1 011070RW17RN35223194W0973620511750N35241004W0973626651270 11500362300E00505501277

[illegible]

SUSAP KOKCK4SIRW K4D

0

0602400382524006003125

1

SUP:	
AMDT:	11A
DATED:	04/05/2012

QUALITY
12
CHECKED

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - FAR PART 97.29

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - 424-18 - ILS

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	FILUM	FILUM	010	IAF	HF	R	FO		175.0()	T01.0	AA 05000	
	IFI	IFI	010	IAF	IF		FB					
	IFI	FILUM	020		TF		FB				AA 05000	
	IFI	ROHAA	030		CF		FB		175.0()	003.5	AA 04000	
		ROHAA	010	FACF	IF		FB				AA 04000	GI 03000
		IVEYI	020	FAF	CF		FB		175.0()	004.0	GI 03000	GS 03000
		RW17R	030	MAP	CF		FO		175.0()	005.2	AT 01337	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		175.0()		AA 02000	
		050		VI	R	FB		310.0()			
	JESKE	060		CF	L	FO		216.1()	008.0	AA 03000	
	JESKE	070		HM	R	FO		036.2()	T01.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	IFI	N354818.96	W0980014.10	N3548.316	W09800.235
	IRW	N352130.95	W0973633.22	N3521.516	W09736.554
	PWA	N353158.60	W0973849.84	N3531.977	W09738.831
	IOKC (DME)	N352230.82	W0973617.90	N3522.514	W09736.298
	FILUM	N353704.59	W0973621.26	N3537.077	W09736.354
	IVEYI	N352935.25	W0973620.87	N3529.588	W09736.348
	JESKE	N352131.36	W0975112.35	N3521.523	W09751.206
	ROHAA	N353334.27	W0973621.08	N3533.571	W09736.351
	RW17R	N352421.42	W0973620.60	N3524.357	W09736.343
	IOKC (LOC)	N352231.94	W0973620.51	N3522.532	W09736.342

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW17R	01282	55

QUALITY
12
CHECKED

CITY AND STATE
OKLAHOMA CITY, OK

ELEVATION: 1295 THRE: 1282
AIRPORT NAME:
WILL ROGERS WORLD

FACILITY
IDENTIFIER:
I-OKC

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
ILS OR LOC RWY 17R, AMDT 12
24 JULY 2014

SUP:
AMDT: 11A
DATED: 04/05/2012

FLIGHT STANDARDS SERVICES - FAR PART 97.25

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ARINC PACKET - 424-18 - LOC

[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KOKCK4FL17R	AFILUM	010FILUMK4PC0EE	AR	HF	IOKCK4	355001451750T010PI	+	05000	18000			0	NS
SUSAP KOKCK4FL17R	AIFI	010IFI	K4D 0V A	IF					18000			0	NS
SUSAP KOKCK4FL17R	AIFI	020FILUMK4PC0E	B	TF				+	05000			0	NS
SUSAP KOKCK4FL17R	AIFI	030ROHAAK4PC0EE		CF	IOKCK4	3550011017500035PI	+	04000				0	NS
SUSAP KOKCK4FL17R	L	010ROHAAK4PC0E	I	IF	IOKCK4	35500110		PI	+	04000	18000	0	NS
SUSAP KOKCK4FL17R	L	020IVEYIK4PC0E	F	CF	IOKCK4	3550007017500040PI	+	03000			IRW	K4D	0 NS
SUSAP KOKCK4FL17R	L	021COTOXK4PC0E	S	CF	IOKCK4	3550003317500037PI	+	01800			-301		0 NS
SUSAP KOKCK4FL17R	L	030RW17RK4PG0GY	M	CF	IOKCK4	3550001817500015PI					-301		0 NS
SUSAP KOKCK4FL17R	L	040	0 M	CA		1750	+	02000					0 NS
SUSAP KOKCK4FL17R	L	050	0 R	VIY		3100							0 NS
SUSAP KOKCK4FL17R	L	060JESKEK4PC0EY	L	CFYPWA	K4	2161014521610080D	+	03000					0 NS
SUSAP KOKCK4FL17R	L	070JESKEK4PC0EE	R	HM		0362T010	+	03000					0 NS

[illegible]

QUALITY
3 12
CHECKED

CITY AND STATE OKLAHOMA CITY, OK	ELEVATION: 1295 THRE: 1282 AIRPORT NAME: WILL ROGERS WORLD	FACILITY IDENTIFIER: I-OKC	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: ILS OR LOC RWY 17R, AMDT 12 24 JULY 2014	SUP:
				AMDT: 11A
				DATED: 04/05/2012

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

LOC STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - FAR PART 97.25

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ILS 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012

SUSAP KOKCK4IIOKC1 011070RW17RN35223194W0973620511750N35241004W0973626651270 11500362300E00505501277

MSA 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012

SUSAP KOKCK4SIRW K4D 0 0602400382524006003125 M

QUALITY
12
CHECKED

CITY AND STATE
OKLAHOMA CITY, OK

ELEVATION: 1295 THRE: 1282
AIRPORT NAME:
WILL ROGERS WORLD

FACILITY
IDENTIFIER:
I-OKC

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
ILS OR LOC RWY 17R, AMDT 12
24 JULY 2014

SUP:
AMDT: 11A
DATED: 04/05/2012

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

LOC STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - FAR PART 97.25

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ARINC SUMMARY - 424-18 - LOC

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	FILUM	FILUM	010	IAF	HF	R	FO		175.0()	T01.0	AA 05000	
	IFI	IFI	010	IAF	IF		FB					
	IFI	FILUM	020		TF		FB				AA 05000	
	IFI	ROHAA	030		CF		FB		175.0()	003.5	AA 04000	
		ROHAA	010	FACF	IF		FB				AA 04000	
		IVEYI	020	FAF	CF		FB		175.0()	004.0	AA 03000	
		COTOX	021	SDF	CF		FB		175.0()	003.7	AA 01800	
		RW17R	030	MAP	CF		FO		175.0()	001.5	AT 01337	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		175.0()		AA 02000	
		050		VI	R	FB		310.0()			
	JESKE	060		CF	L	FO		216.1()	008.0	AA 03000	
	JESKE	070		HM	R	FO		036.2()	T01.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	IFI	N354818.96	W0980014.10	N3548.316	W09800.235
	IRW	N352130.95	W0973633.22	N3521.516	W09736.554
	PWA	N353158.60	W0973849.84	N3531.977	W09738.831
	IOKC (DME)	N352230.82	W0973617.90	N3522.514	W09736.298
	COTOX	N352551.56	W0973620.68	N3525.859	W09736.345
	FILUM	N353704.59	W0973621.26	N3537.077	W09736.354
	IVEYI	N352935.25	W0973620.87	N3529.588	W09736.348
	JESKE	N352131.36	W0975112.35	N3521.523	W09751.206
	ROHAA	N353334.27	W0973621.08	N3533.571	W09736.351
	RW17R	N352421.42	W0973620.60	N3524.357	W09736.343
	IOKC (LOC)	N352231.94	W0973620.51	N3522.532	W09736.342

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW17R	01282	55

QUALITY
12
CHECKED

CITY AND STATE
OKLAHOMA CITY, OK

ELEVATION: 1295 THRE: 1282
AIRPORT NAME:
WILL ROGERS WORLD

FACILITY
IDENTIFIER:
I-OKC

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
ILS OR LOC RWY 17R, AMDT 12
24 JULY 2014

SUP:
AMDT: 11A
DATED: 04/05/2012

ILS - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.29				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.											
TERMINAL ROUTES				MISSED APPROACH											
FROM	TO	COURSE AND DISTANCE	ALTITUDE	ILS: DA LOC: I-LIK 0.23 DME FIX CLIMB TO 2000 THEN CLIMBING LEFT TURN TO 3000 ON HEADING 290 AND ON PWA VOR/DME R-216 TO JESKE INT/PWA 14.53 DME AND HOLD, OR AS DIRECTED BY ATC. ALTERNATE MA: CLIMB TO 2000 THEN CLIMBING LEFT TURN TO 3100 ON HEADING 180 AND ON IRW VORTAC R-263 TO JESKE INT/IRW 11.98 DME AND HOLD. ADDITIONAL FLIGHT DATA: HOLD SW, RT, 036.15 INBOUND. CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD W JESKE INT/IRW 11.98 DME, RT, 083.10 INBOUND. CHART FAS OBST: 1289 TREE 352226N/0973612W CHART: ASR. CHART CIRCLING ICON. CHART I-LIK DME ANTENNA IN PROFILE.											
IRW VORTAC	CUBTU INT/IRW 11.58 DME	172.09 / 11.58	5000												
CUBTU INT/I-LIK 12.57 DME (IF/IAF)	NUTRE INT/I-LIK 9.07 DME	354.96 / 3.50 (I-LIK)	4000												
NUTRE INT/I-LIK 9.07 DME	BRIGE/5.07 DME	354.96 / 4.00 (I-LIK)	3000												
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD S CUBTU, LT, 354.96 INBOUND, 5000 FT. IN LIEU OF PT (IAF) 3. FAC: 354.96 FAF: BRIGE/5.07 DME DIST FAF TO MAP: _____ THLD: 5.30 4. MIN. ALT: CUBTU 5000, NUTRE 4000, BRIGE 3000, ZOPRO/1.17 DME 1740* 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: 950 6. MIN GS INCPT: 3000 GS ALT AT: BRIGE 3000 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 49.1 8. MSA FROM: IRW VORTAC 060-240 3100, 240-060 3800				MAG VAR: 5E EPOCH YEAR: 2010											
MINIMUMS															
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE: N A		ILS: STANDARD #		LOC: STANDARD @							
CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
S-ILS 35L**	1463	2400	200	1463	2400	200	1463	2400	200	1463	2400	200	1463	2400	200
S-LOC 35L	1640	2400	377	1640	2400	377	1640	3500	377	1640	3500	377	1640	3500	377
CIRCLING	1740	1	445	1760	1	465	1960	1 3/4	665	2000	2 1/4	705	2240	3	945
NOTES: CHART NOTE: **RVR 1800 AUTHORIZED WITH USE OF FD OR AP OR HUD TO DA. CHART NOTE: FOR INOPERATIVE MALSR, INCREASE S-ILS 35L CAT E VISIBILITY TO RVR 4000 AND S-LOC 35L ALL CATS VISIBILITY TO RVR 5500. CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED WITH RWY 35R. (SEE FORM 8260-10)															
CITY AND STATE				ELEVATION: 1295 THRE: 1263		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:			
OKLAHOMA CITY, OK				AIRPORT NAME:		I-LIK		ILS OR LOC/DME RWY 35L, AMDT 2				AMDT: 1A			
				WILL ROGERS WORLD				24 JULY 2014				DATED 04/05/2012			

 QUALITY
 2
 CHECKED

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.29

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NOTES, (CONT.):

CHART PLANVIEW NOTE: ADF OR DME REQUIRED.

*LOC ONLY

CHART PROFILE NOTE: USE I-LIK DME WHEN ON LOCALIZER COURSE.

QUALITY
3
CHECKED

CITY AND STATE OKLAHOMA CITY, OK	ELEVATION: 1295	THRE: 1263	FACILITY IDENTIFIER: I-LIK	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC/DME RWY 35L, AMDT 2 24 JULY 2014	SUP:
	AIRPORT NAME: WILL ROGERS WORLD				AMDT: 1A
					DATED: 04/05/2012

FLIGHT STANDARDS SERVICES - FAR PART 97.29

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

[illegible]

CITY AND STATE OKLAHOMA CITY, OK	ELEVATION: 1295 THRE: 1263 AIRPORT NAME: WILL ROGERS WORLD	FACILITY IDENTIFIER: I-LIK	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: ILS OR LOC/DME RWY 35L, AMDT 2 24 JULY 2014	SUP:
				AMDT: 1A
				DATED: 04/05/2012

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - FAR PART 97.29

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ILS 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012

SUSAP KOKCK4IILIK1 011070RW35LN35243289W0973620603550N35225389W0973625651160 09500366300E00504901263

1 2 3 4 5 6 7 8 9 0 1 2 3
MSA 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012

SUSAP KOKCK4SIRW K4D 0 0602400382524006003125 M

CITY AND STATE
OKLAHOMA CITY, OK

ELEVATION: 1295 THRE: 1263
AIRPORT NAME:
WILL ROGERS WORLD

FACILITY
IDENTIFIER:
I-LIK

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
ILS OR LOC/DME RWY 35L, AMDT 2
24 JULY 2014

SUP:
AMDT: 1A
DATED: 04/05/2012

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - FAR PART 97.29

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ARINC SUMMARY - 424-18 - ILS

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
IRW	IRW	IRW	010		IF		FB					
IRW	CUBTU	CUBTU	020		TF		FO				AA 05000	
IRW	CUBTU	CUBTU	030	IAF	HF	L	FO		355.0 ()	T01.0	AA 05000	
IRW	NUTRE	NUTRE	040		CF		FB		355.0 ()	003.5	AA 04000	
	NUTRE	NUTRE	010	FACF	IF		FB				AA 04000	GI 03000
	BRIGE	BRIGE	020	FAF	CF		FB		355.0 ()	004.0	GI 03000	GS 03000
	RW35L	RW35L	030	MAP	CF		FO		355.0 ()	005.3	AT 01313	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		355.0 ()		AA 02000	
		050		VI		FB		290.0 ()			
	JESKE	060		CF		FO		216.2 ()	011.0	AA 03000	
	JESKE	070		HM	R	FO		036.2 ()	T01.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	IRW	N352130.95	W0973633.22	N3521.516	W09736.554
	ILIK (DME)	N352230.82	W0973617.90	N3522.514	W09736.298
	NUTRE	N351325.70	W0973620.09	N3513.428	W09736.335
	BRIGE	N351726.08	W0973620.24	N3517.435	W09736.337
	CUBTU	N350955.37	W0973619.83	N3509.923	W09736.331
	JESKE	N352131.36	W0975112.35	N3521.523	W09751.206
	RW35L	N352244.50	W0973620.51	N3522.742	W09736.342
	ILIK (LOC)	N352432.89	W0973620.60	N3524.548	W09736.343

RUNWAY DATA	THRESHOLD	ELEVATION	TCH
RWY			
RW35L	01263		49

CITY AND STATE
OKLAHOMA CITY, OK

ELEVATION: 1295 THRE: 1263
AIRPORT NAME:
WILL ROGERS WORLD

FACILITY
IDENTIFIER:
I-LIK

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
ILS OR LOC/DME RWY 35L, AMDT 2
24 JULY 2014

SUP:
AMDT: 1A
DATED: 04/05/2012

FLIGHT STANDARDS SERVICES - FAR PART 97.25

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[illegible][illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KOKCK4FL35L	AIRW	010IRW	K4D	OV	IF					18000		0	DS
SUSAP KOKCK4FL35L	AIRW	020CUBTUK4PC0EY			TF							0	DS
SUSAP KOKCK4FL35L	AIRW	030CUBTUK4PC0E	AL		HF		3550T010			+ 05000		0	DS
SUSAP KOKCK4FL35L	AIRW	040NUTREK4EA0EE			CF ILIKK4	1750011135500035PI				+ 04000		0	DS
SUSAP KOKCK4FL35L	L	010NUTREK4EA0E	I		IF ILIKK4	17500111				PI + 04000	18000	0	DS
SUSAP KOKCK4FL35L	L	020BRIGEK4PC0E	F		CF ILIKK4	1750007135500040PI				+ 03000		IRW	K4D 0 DS
SUSAP KOKCK4FL35L	L	021ZOPROK4PC0E	S		CF ILIKK4	1750003235500039PI				+ 01740	-301	0	DS
SUSAP KOKCK4FL35L	L	030RW35LK4PGOGY	M		CF ILIKK4	1750001835500014PI				01313	-301	0	DS
SUSAP KOKCK4FL35L	L	040	0	M	CA	3550				+ 02000		0	DS
SUSAP KOKCK4FL35L	L	050	0		VI	2900						0	DS
SUSAP KOKCK4FL35L	L	060JESKEK4PC0EY			CF IRW K4	2631012021620110D				+ 03000		0	DS
SUSAP KOKCK4FL35L	L	070JESKEK4PC0EE	R		HM	0362T010				+ 03000		0	DS

[illegible]

CITY AND STATE OKLAHOMA CITY, OK	ELEVATION: 1295 THRE: 1263 AIRPORT NAME: WILL ROGERS WORLD	FACILITY IDENTIFIER: I-LIK	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: ILS OR LOC/DME RWY 35L, AMDT 2 24 JULY 2014	SUP:
				AMDT: 1A
				DATED: 04/05/2012

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

LOC STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - FAR PART 97.25

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

	1	2	3	4	5	6	7	8	9	0	1	2	3
ILS	1234567890123456789012345678901234567890123456789012345678901234567890123456789012												

SUSAP KOKCK4IILIK1	011070RW35LN35243289W0973620603550N35225389W0973625651160	09500366300E00504901263											

	1	2	3	4	5	6	7	8	9	0	1	2	3
MSA	1234567890123456789012345678901234567890123456789012345678901234567890123456789012												

SUSAP KOKCK4SIRW K4D	0	0602400382524006003125										M	

CITY AND STATE
OKLAHOMA CITY, OK

ELEVATION: 1295 THRE: 1263
AIRPORT NAME:
WILL ROGERS WORLD

FACILITY
IDENTIFIER:

I-LIK

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
ILS OR LOC/DME RWY 35L, AMDT 2
24 JULY 2014

SUP:
AMDT: 1A
DATED: 04/05/2012

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

LOC STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - FAR PART 97.25

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - 424-18 - LOC

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
IRW		IRW	010		IF		FB					
IRW		CUBTU	020		TF		FO				AA 05000	
IRW		CUBTU	030	IAF	HF	L	FO		355.0 ()	T01.0	AA 05000	
IRW		NUTRE	040		CF		FB		355.0 ()	003.5	AA 04000	
		NUTRE	010	FACF	IF		FB				AA 04000	
		BRIGE	020	FAF	CF		FB		355.0 ()	004.0	AA 03000	
		ZOPRO	021	SDF	CF		FB		355.0 ()	003.9	AA 01740	
		RW35L	030	MAP	CF		FO		355.0 ()	001.4	AT 01313	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		355.0 ()		AA 02000	
		050		VI		FB		290.0 ()			
	JESKE	060		CF		FO		216.2 ()	011.0	AA 03000	
	JESKE	070		HM	R	FO		036.2 ()	T01.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	IRW	N352130.95	W0973633.22	N3521.516	W09736.554
	ILIK (DME)	N352230.82	W0973617.90	N3522.514	W09736.298
	NUTRE	N351325.70	W0973620.09	N3513.428	W09736.335
	BRIGE	N351726.08	W0973620.24	N3517.435	W09736.337
	CUBTU	N350955.37	W0973619.83	N3509.923	W09736.331
	JESKE	N352131.36	W0975112.35	N3521.523	W09751.206
	ZOPRO	N352120.37	W0973620.44	N3521.340	W09736.341
	RW35L	N352244.50	W0973620.51	N3522.742	W09736.342
	ILIK (LOC)	N352432.89	W0973620.60	N3524.548	W09736.343

RUNWAY DATA	THRESHOLD	ELEVATION	TCH
RWY			
RW35L	01263		49

CITY AND STATE
OKLAHOMA CITY, OK

ELEVATION: 1295 THRE: 1263
AIRPORT NAME:
WILL ROGERS WORLD

FACILITY
IDENTIFIER:
I-LIK

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
ILS OR LOC/DME RWY 35L, AMDT 2
24 JULY 2014

SUP:
AMDT: 1A
DATED: 04/05/2012

ILS - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.29				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.											
TERMINAL ROUTES				MISSED APPROACH											
FROM	TO	COURSE AND DISTANCE	ALTITUDE	ILS: DA LOC: I-RGR 1.82 DME FIX CLIMB TO 5000 ON HEADING 355 AND ON IRW VORTAC R-357 TO ATREC INT/IRW 15.52 DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 5000. ADDITIONAL FLIGHT DATA: HOLD N, LT, 176.63 INBOUND. FAS OBST: 1379 AAO 351925N/0973447W CHART: 1420 TOWER 351743N/0973537W CHART: ASR. CHART CIRCLING ICON. CHART GALLY LOM HALF-TONE. CHART VDP AT 2.77 DME*; DISTANCE VDP TO THLD 0.95 MILES. *LOC ONLY. CHART I-RGR 14.54 DME AT JAVXE.											
IRW VORTAC	JAVXE INT/IRW 11.58 DME	168.01 / 11.58	5000												
JAVXE INT/I-RGR 14.54 DME (IF/IAF)	CROPE INT/I-RGR 11.04 DME	354.96 / 3.50 (I-RGR)	4000												
CROPE INT/I-RGR 11.04 DME	OVDIE/ I-RGR 6.89 DME	354.96 / 4.14 (I-RGR)	2900												
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. HOLD S JAVXE, RT, 354.96 INBOUND, 5000 FT. IN LIEU OF PT (IAF) 3. FAC: <u>354.96</u> FAF: <u>OVDIE/ 6.89 DME</u> DIST FAF TO MAP: <u> </u> THLD: <u>5.07</u> 4. MIN. ALT: JAVXE 5000, CROPE 4000, OVDIE 2900 5. DIST TO THLD FROM OM: <u> </u> MM: <u> </u> IM: <u>1033</u> 150 HAT: <u>1855</u> 100 HAT: <u>868</u> GS ANT: <u>1088</u> 6. MIN GS INCPT: <u>2900</u> GS ALT AT: <u>OVDIE 2900</u> OM: <u> </u> MM: <u> </u> IM: <u>1394</u> 7. GS ANGLE: <u>2.90</u> TCH: <u>56.0</u> 8. MSA FROM: IRW VORTAC 060-240 3100, 240-060 3800				MAG VAR: 5E EPOCH YEAR: 2010											
MINIMUMS															
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE: N A		ILS: STANDARD #		LOC: STANDARD @							
CATEGORY ==>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
S-ILS 35R	1483	1800	200	1483	1800	200	1483	1800	200	1483	1800	200	1483	1800	200
S-LOC 35R	1640	2400	357	1640	2400	357	1640	3000	357	1640	3000	357	1640	3000	357
CIRCLING	1740	1	445	1760	1	465	1960	1 3/4	665	2000	2 1/4	705	2240	3	945
NOTES: SA CATEGORY I ILS SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED S-ILS 35R: CAT A, B, C, D, RA 178, RVR 1400, HATh 150, DA 1433 MSL. CATEGORY II ILS SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED S-ILS 35R: CAT A, B, C, D, RA 121, RVR 1200, HATh 100, DA 1383 MSL. (SEE FORM 8260-10)															
CITY AND STATE OKLAHOMA CITY, OK		ELEVATION: 1295 THRE: 1283 AIRPORT NAME: WILL ROGERS WORLD		FACILITY IDENTIFIER: I-RGR		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC/DME RWY 35R, AMDT 10 ILS RWY 35R (SA CAT I) ILS RWY 35R (CAT II) 24 JULY 2014				SUP: ILS OR LOC RWY 35R					
										AMDT: 9					
										DATED 08/25/2011					

QUALITY
 2
 CHECKED

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.29

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NOTES, (CONT.):

CHART NOTE: FOR INOPERATIVE ALSF, INCREASE S-ILS 35R CAT E VISIBILITY TO RVR 4000 AND S-LOC 35R CATS C/D/E VISIBILITY TO RVR 5500.

CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED WITH RWY 35L.

CHART PLANVIEW NOTE: ADF OR DME REQUIRED.

SA CAT I CHART NOTE: REQUIRES SPECIFIC OPSPEC, MSPEC, OR LOA APPROVAL AND USE OF HUD TO DH.

CHART PROFILE NOTE: USE I-RGR DME WHEN ON LOCALIZER COURSE.

QUALITY
3
CHECKED

CITY AND STATE OKLAHOMA CITY, OK	ELEVATION: 1295 THRE: 1283 AIRPORT NAME: WILL ROGERS WORLD	FACILITY IDENTIFIER: I-RGR	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: ILS OR LOC/DME RWY 35R, AMDT 10 ILS RWY 35R (SA CAT I) ILS RWY 35R (CAT II) 24 JULY 2014	SUP: ILS OR LOC RWY 35R
				AMDT: 9
				DATED: 08/25/2011

FLIGHT STANDARDS SERVICES - FAR PART 97.29

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KOKCK4FI35R	AIRW	010IRW	K4D 0V	IF						18000		0	NS
SUSAP KOKCK4FI35R	AIRW	020JAVXEK4PC0EY	TF					+ 05000				0	NS
SUSAP KOKCK4FI35R	AIRW	030JAVXEK4PC0E	AR	HF			3550T010	+ 05000				0	NS
SUSAP KOKCK4FI35R	AIRW	040CROPEK4PC0EE	CF	IRGRK4	1750011035500035PI			+ 04000				0	NS
SUSAP KOKCK4FI35R	I	010CROPEK4PC0E	I	IF	IRGRK4	17500110	PI	J	040000290018000			0	NS
SUSAP KOKCK4FI35R	I	020OVDIEK4PC0E	F	CF	IRGRK4	1750006935500041PI	H	02900002900		-290IRW	K4D	0	NS
SUSAP KOKCK4FI35R	I	030RW35RK4PG0GY	M	CF	IRGRK4	1750001835500051PI		01339		-290		0	NS
SUSAP KOKCK4FI35R	I	040	0 M	VI		3550						0	NS
SUSAP KOKCK4FI35R	I	050ATRECK4PC0EY	CF	IRW	K4	3566015535660030D		+ 05000				0	NS
SUSAP KOKCK4FI35R	I	060ATRECK4PC0EE	L	HM		1766T010		+ 05000				0	NS

[illegible][illegible]

1	2	3	4	5	6	7	8	9	0	1	2	3

CITY AND STATE OKLAHOMA CITY, OK	ELEVATION: 1295 THRE: 1283	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP: ILS OR LOC RWY 35R
	AIRPORT NAME: WILL ROGERS WORLD	I-RGR	ILS OR LOC/DME RWY 35R, AMDT 10	AMDT: 9
			ILS RWY 35R (SA CAT I) ILS RWY 35R (CAT II) 24 JULY 2014	DATED: 08/25/2011

FLIGHT STANDARDS SERVICES - FAR PART 97.29

[illegible]Page 4 of 8 Pages

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - FAR PART 97.29

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ARINC SUMMARY - 424-18 - ILS

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
IRW		IRW	010		IF		FB					
IRW		JAVXE	020		TF		FO				AA 05000	
IRW		JAVXE	030	IAF	HF	R	FO		355.0()	T01.0	AA 05000	
IRW		CROPE	040		CF		FB		355.0()	003.5	AA 04000	
		CROPE	010	FACF	IF		FB				AA 04000 GI 02900	
		OVDIE	020	FAF	CF		FB		355.0()	004.1	GI 02900 GS 02900	
		RW35R	030	MAP	CF		FO		355.0()	005.1	AT 01339	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		VI		FB		355.0()			
	ATREC	050		CF		FO		356.6()	003.0	AA 05000	
	ATREC	060		HM	L	FO		176.6()	T01.0	AA 05000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	IRW	N352130.95	W0973633.22	N3521.516	W09736.554
	IRGR (DME)	N352430.95	W0973522.95	N3524.516	W09735.383
	ATREC	N353701.52	W0973520.85	N3537.025	W09735.348
	CROPE	N351327.80	W0973519.60	N3513.463	W09735.327
	JAVXE	N350957.47	W0973519.47	N3509.958	W09735.325
	OVDIE	N351736.88	W0973519.85	N3517.615	W09735.331
	RW35R	N352241.64	W0973520.11	N3522.694	W09735.335
	IRGR (LOC)	N352429.79	W0973520.20	N3524.497	W09735.337

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW35R	01283	58

CITY AND STATE OKLAHOMA CITY, OK	ELEVATION: 1295	THRE: 1283	FACILITY IDENTIFIER: I-RGR	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP: ILS OR LOC RWY 35R
	AIRPORT NAME: WILL ROGERS WORLD			ILS OR LOC/DME RWY 35R, AMDT 10	AMDT: 9
				ILS RWY 35R (SA CAT I) ILS RWY 35R (CAT II) 24 JULY 2014	DATED: 08/25/2011

FLIGHT STANDARDS SERVICES - FAR PART 97.25

Page 6 of 8 Pages

FLIGHT STANDARDS SERVICES - FAR PART 97.25

[illegible]Page 7 of 8 Pages

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

LOC STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - FAR PART 97.25

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ARINC SUMMARY - 424-18 - LOC

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
IRW		IRW	010		IF		FB					
IRW		JAVXE	020		TF		FO				AA 05000	
IRW		JAVXE	030	IAF	HF	R	FO		355.0 ()	T01.0	AA 05000	
IRW		CROPE	040		CF		FB		355.0 ()	003.5	AA 04000	
		CROPE	010	FACF	IF		FB				AA 04000	
		OVDIE	020	FAF	CF		FB		355.0 ()	004.1	AA 02900	
		RW35R	030	MAP	CF		FO		355.0 ()	005.1	AT 01339	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		VI		FB		355.0 ()			
	ATREC	050		CF		FO		356.6 ()	003.0	AA 05000	
	ATREC	060		HM	L	FO		176.6 ()	T01.0	AA 05000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
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	IRGR (DME)	N352430.95	W0973522.95	N3524.516	W09735.383
	ATREC	N353701.52	W0973520.85	N3537.025	W09735.348
	CROPE	N351327.80	W0973519.60	N3513.463	W09735.327
	JAVXE	N350957.47	W0973519.47	N3509.958	W09735.325
	OVDIE	N351736.88	W0973519.85	N3517.615	W09735.331
	RW35R	N352241.64	W0973520.11	N3522.694	W09735.335
	IRGR (LOC)	N352429.79	W0973520.20	N3524.497	W09735.337

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW35R	01283	58

CITY AND STATE
OKLAHOMA CITY, OK

ELEVATION: 1295 THRE: 1283
AIRPORT NAME:
WILL ROGERS WORLD

FACILITY
IDENTIFIER:
I-RGR

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
ILS OR LOC/DME RWY 35R, AMDT 10
ILS RWY 35R (SA CAT I)
ILS RWY 35R (CAT II) 24 JULY 2014

SUP:	ILS OR LOC RWY 35R
AMDT:	9
DATED:	08/25/2011

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
FITSO/1.40 NM TO RW13	RW13 (MAP) (FO)	130.03 / 1.40	
RW13 (MAP)	1700 MSL	130.03	1700
1700 MSL	JESKE (FO)		3000

CITY AND STATE
 OKLAHOMA CITY, OK

ELEVATION: 1295 TDZE: 1279
 AIRPORT NAME:
 WILL ROGERS WORLD

FACILITY
 IDENTIFIER:
 RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
 RNAV (GPS) RWY 13, AMDT 3
 24 JULY 2014

SUP:
 AMDT: 2
 DATED: 08/25/2011

**STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

FAS DATA BLOCK INFORMATION**DATA FIELD****DATA**

OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KOKC
RUNWAY	RW13
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W13A
LTP/FTP LATITUDE	352416.5910N
LTP/FTP LONGITUDE	0973657.2610W
LTP/FTP ELLIPSOIDAL HEIGHT	+03630
FPAP LATITUDE	352313.4200N
FPAP LONGITUDE	0973540.2900W
THRESHOLD CROSSING HEIGHT (TCH)	00052.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0376
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	0.0

CRC REMAINDER

176D9EF2

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+03897
FPAP ORTHOMETRIC HEIGHT	+03897

CITY AND STATE

OKLAHOMA CITY, OK

ELEVATION: 1295

TDZE: 1279

AIRPORT NAME:

WILL ROGERS WORLD

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 13, AMDT 3

24 JULY 2014

SUP:

AMDT:

2

DATED:

08/25/2011

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

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ARINC PACKET - 424-18 - RNAV (GPS)

[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3	
SUSAP	KOKCK4FR13	ADAWKS	010DAWKS	K4EA0E	A	IF				18000		A	JS	
SUSAP	KOKCK4FR13	ADAWKS	020WABUTK4EA0EE	B	010TF		10470130	+	04000			A	JS	
SUSAP	KOKCK4FR13	AIFI	010IFI	K4D	0V					18000		A	JS	
SUSAP	KOKCK4FR13	AIFI	020YUVCIK4EA0E	A	020TF		14080189	+	04000			A	JS	
SUSAP	KOKCK4FR13	AIFI	030WABUTK4EA0EE	B	010TF		12990032	+	04000			A	JS	
SUSAP	KOKCK4FR13	ALERME	010LERMEK4EA0E	A	IF					18000		A	JS	
SUSAP	KOKCK4FR13	ALERME	020WABUTK4EA0EE	B	010TF		07490053	+	04000			A	JS	
SUSAP	KOKCK4FR13	ATERSE	010TERSEK4EA0E	A	IF					18000		A	JS	
SUSAP	KOKCK4FR13	ATERSE	020WABUTK4EA0EE	B	010TF		18500053	+	04000			A	JS	
SUSAP	KOKCK4FR13	R	010WABUTK4EA0E	I	IF			+	04000	18000		A	JS	
SUSAP	KOKCK4FR13	R	020WUYASK4EA1E	F	051TF		13000047	+	02600		RW13	K4PGA	JS	
SUSAP	KOKCK4FR13	R	020WUYASK4EA2WALP			N	ALNAV						JS	
SUSAP	KOKCK4FR13	R	021FITSOK4EA0E	S	031TF		13000026	V	0176001777		-300		A	JS
SUSAP	KOKCK4FR13	R	030RW13	K4PG0GY	M	031TF	13000014		01331		-300		A	JS
SUSAP	KOKCK4FR13	R	040		0	M	CA	1300	+	01700			A	JS
SUSAP	KOKCK4FR13	R	050JESKEK4EA0EY	R	DF			+	03000				A	JS
SUSAP	KOKCK4FR13	R	060JESKEK4EA0EE	R	HM		03620040	+	03000				A	JS

CITY AND STATE OKLAHOMA CITY, OK	ELEVATION: 1295 AIRPORT NAME: WILL ROGERS WORLD	TDZE: 1279 RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 13, AMDT 3 24 JULY 2014	SUP:
				AMDT: 2
				DATED: 08/25/2011

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

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[illegible]

SUSAP KOKCK4GRW13 0078001301 N35241659W097365726+0100 +0363001279000052150R

[illegible]

SUSAP KOKCK4PR13 RW13 001 0000W13A0N3524165910W09736572610+036300300N3523134200W09735402900106750376000520F400000176D9EF2
SUSAP KOKCK4PR13 RW13 002E +03897+03897LP 45625

[illegible]

SUSAP KOKCK4SRW13 K4PG 0 18018003825 M

CITY AND STATE
OKLAHOMA CITY, OK

ELEVATION: 1295	TDZE: 1279
AIRPORT NAME: WILL ROGERS WORLD	

FACILITY
IDENTIFIER:
| RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
RNAV (GPS) RWY 13, AMDT 3
 24 JULY 2014

SUP:	
AMDT:	2
DATED:	08/25/2011

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICES - FAR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	DAWKS	DAWKS	010	IAF	IF		FB					
	DAWKS	WABUT	020		TF		FB	1.0	104.7 (109.7T)	013.0	AA 04000	
	IFI	IFI	010		IF		FB					
	IFI	YUVC	020	IAF	TF		FB	2.0	140.8 (145.8T)	018.9	AA 04000	
	IFI	WABUT	030		TF		FB	1.0	129.9 (134.9T)	003.2	AA 04000	
	LERME	LERME	010	IAF	IF		FB					
	LERME	WABUT	020		TF		FB	1.0	074.9 (079.9T)	005.3	AA 04000	
	TERSE	TERSE	010	IAF	IF		FB					
	TERSE	WABUT	020		TF		FB	1.0	185.0 (190.0T)	005.3	AA 04000	
		WABUT	010	FACF	IF		FB				AA 04000	
		WUYAS	020	FAF	TF		FB	0.5	130.0 (135.0T)	004.7	AA 02600	
		FITSO	021	SDF	TF		FB	0.3	130.0 (135.0T)	002.6	AA 01760	GS 01777
		RW13	030	MAP	TF		FO	0.3	130.0 (135.0T)	001.4	AT 01331	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		130.0 (135.0T)		AA 01700	
	JESKE	050		DF	R	FO				AA 03000	
	JESKE	060		HM	R	FO		036.2 (041.2T)	004.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	IFI	N354818.96	W0980014.10	N3548.316	W09800.235
	DAWKS	N353448.27	W0975925.21	N3534.805	W09759.420
	FITSO	N352516.14	W0973809.86	N3525.269	W09738.164
	JESKE	N352131.36	W0975112.35	N3521.523	W09751.206
	LERME	N352929.09	W0975049.92	N3529.485	W09750.832
	TERSE	N353538.21	W0974318.69	N3535.637	W09743.312
	WABUT	N353024.57	W0974426.41	N3530.410	W09744.440
	WUYAS	N352706.08	W0974024.02	N3527.101	W09740.400
	YUVC	N353240.13	W0974712.59	N3532.669	W09747.210
	RW13	N352416.59	W0973657.26	N3524.277	W09736.954

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW13	01279	52

CITY AND STATE OKLAHOMA CITY, OK	ELEVATION: 1295	TDZE: 1279	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME: WILL ROGERS WORLD		RNAV	RNAV (GPS) RWY 13, AMDT 3	AMDT: 2
				24 JULY 2014	DATED: 08/25/2011

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.											
TERMINAL ROUTES				MISSED APPROACH											
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LPV: DA LNAV/VNAV: DA LNAV: RW17L CLIMB TO 5000 DIRECT JAVXE AND HOLD, CONTINUE CLIMB-IN-HOLD TO 5000. ADDITIONAL FLIGHT DATA: HOLD S, RT, 354.96 INBOUND. CHART FAS OBST: 1399 TREE 352449N/0973559W CHART: ASR. DISTANCE TO THLD FROM 200 HAT: 0.44 NM. WAAS CHANNEL # 56503 REFERENCE PATH ID: W17B CHART ARRIVAL HOLDING AT ATREC: HOLD N, LT, 174.96 INBOUND, 5000. CHART CIRCLING ICON. LTP HAE: 365.4 M											
IFI VORTAC	ATREC (FB)	113.96 / 23.19	5000												
DAWKS	BEERY (FB)	078.03 / 14.94	4000												
BEERY (IAF)	GOLFS (FB)	117.58 / 5.70	4000												
ATREC (IAF)	GOLFS (FB)	174.96 / 3.50	4000												
GOLFS (IF)	HANGS (FB)	174.96 / 4.00	3000												
HANGS (FAF)	RURIQ/1.30 NM TO RW17L (FB)	174.96 / 3.90													
RURIQ/1.30 NM TO RW17L	RW17L (MAP) (FO)	174.96 / 1.30													
(SEE FORM 8260-10)															
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. PROFILE STARTS AT GOLFS 3. FAC: 174.96 FAF: HANGS DIST FAF TO MAP: 5.20 THLD: 5.20 4. MIN. ALT: GOLFS 4000, HANGS 3000, RURIQ/1.30 NM TO RW17L 1740* 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 3000 GS ALT AT: HANGS 3000 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 58.7 34:1 IS CLEAR 8. MSA FROM: RW17L 3800															
				MAG VAR: 5E EPOCH YEAR: 2010											
MINIMUMS															
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE: N A		STANDARD @									
CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	1486	2400	200	1486	2400	200	1486	2400	200	1486	2400	200	1486	2400	200
LNAV/VNAV DA	1589	2400	303	1589	2400	303	1589	2400	303	1589	2400	303	1589	2400	303
LNAV MDA	1660	2400	374	1660	2400	374	1660	3500	374	1660	3500	374	1660	3500	374
CIRCLING	1740	1	445	1760	1	465	1960	1 3/4	665	2000	2 1/4	705	2240	3	945
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -12C (11F) OR ABOVE 54C (130F). @ CAT D 800-2 1/4, CAT E 1000-3 CHART NOTE: DME/DME RNP-0.3 NA. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT IFI VORTAC ON V140 SOUTHWEST BOUND. (SEE FORM 8260-10)															
CITY AND STATE				ELEVATION: 1295 THRE: 1286		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:			
OKLAHOMA CITY, OK				AIRPORT NAME:		RNAV		RNAV (GPS) Y RWY 17L, AMDT 3 24 JULY 2014				AMDT: 2A			
				WILL ROGERS WORLD								DATED 04/05/2012			

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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TERMINAL ROUTES, (CONT.):

<u>FROM</u>	<u>TO</u>	<u>COURSE AND DISTANCE</u>	<u>ALTITUDE</u>
RW17L (MAP)	1486 MSL	174.96	
1486 MSL	JAVXE (FO)		5000

NOTES, (CONT.):

CHART NOTE: FOR INOPERATIVE MALSR, INCREASE LPV CAT E VISIBILITY TO RVR 4000, LNAV/VNAV CAT E VISIBILITY TO RVR 4500, AND LNAV ALL CATS VISIBILITY TO RVR 5500.

CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED WITH RWY 17R.

CHART NOTE: LNAV PROCEDURE NA DURING SIMULTANEOUS OPERATIONS.

CHART NOTE: USE OF FD OR AP PROVIDING RNAV TRACK GUIDANCE REQUIRED DURING SIMULTANEOUS OPERATIONS.

CITY AND STATE
OKLAHOMA CITY, OK

ELEVATION: 1295 THRE: 1286
AIRPORT NAME:
WILL ROGERS WORLD

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) Y RWY 17L, AMDT 3
24 JULY 2014

SUP:
AMDT: 2A
DATED: 04/05/2012

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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CITY AND STATE

OKLAHOMA CITY, OK

ELEVATION: 1295

THRE: 1286

AIRPORT NAME:

WILL ROGERS WORLD

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) Y RWY 17L, AMDT 3

24 JULY 2014

SUP:

AMDT: 2A

DATED: 04/05/2012

RNAV STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33

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FAS DATA BLOCK INFORMATIONDATA FIELDDATA

OPERATION TYPE 0
SBAS SERVICE PROVIDER IDENTIFIER 0
AIRPORT IDENTIFIER KOKC
RUNWAY RW17L
APPROACH PERFORMANCE DESIGNATOR 0
ROUTE INDICATOR Y
REFERENCE PATH DATA SELECTOR 0
REFERENCE PATH IDENTIFIER (APPROACH ID) W17B
LTP/FTP LATITUDE 352418.5720N
LTP/FTP LONGITUDE 0973520.1970W
LTP/FTP ELLIPSOIDAL HEIGHT +03654
FPAP LATITUDE 352241.6395N
FPAP LONGITUDE 0973520.1125W
THRESHOLD CROSSING HEIGHT (TCH) 00058.7
TCH UNITS SELECTOR (METERS OR FEET USED) F
GLIDEPATH ANGLE (GPA) 03.00
COURSE WIDTH AT THRESHOLD 106.75
LENGTH OFFSET 0000
HORIZONTAL ALERT LIMIT (HAL) 40.0
VERTICAL ALERT LIMIT (VAL) 35.0

CRC REMAINDER

7CB0227B

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K4
LTP ORTHOMETRIC HEIGHT +03921
FPAP ORTHOMETRIC HEIGHT +03921

CITY AND STATE OKLAHOMA CITY, OK	ELEVATION: 1295 THRE: 1286 AIRPORT NAME: WILL ROGERS WORLD	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) Y RWY 17L, AMDT 3 24 JULY 2014	SUP:
				AMDT: 2A
				DATED: 04/05/2012

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

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ARINC PACKET - 424-18 - RNAV (GPS)

[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KOKCK4FR17LY	ADAWKS	010DAWKS4EA0E	IF						18000		A JS	
SUSAP	KOKCK4FR17LY	ADAWKS	020BEERYK4EA0E	A 020TF		07800149		+ 04000				A JS	
SUSAP	KOKCK4FR17LY	ADAWKS	030GOLFSK4EA0EE	B 010TF		11760057		+ 04000				A JS	
SUSAP	KOKCK4FR17LY	AIFI	010IFI K4D 0V	IF						18000		A JS	
SUSAP	KOKCK4FR17LY	AIFI	020ATRECK4EA0E	A 020TF		11400232		+ 05000				A JS	
SUSAP	KOKCK4FR17LY	AIFI	030GOLFSK4EA0EE	B 010TF		17500035		+ 04000				A JS	
SUSAP	KOKCK4FR17LY	R	010GOLFSK4EA0E	I IF						18000		A JS	
SUSAP	KOKCK4FR17LY	R	020HANGSK4EA1E	F 051TF		17500040		+ 03000			RW17L K4PGA	JS	
SUSAP	KOKCK4FR17LY	R	020HANGSK4EA2WALPV		ALNAV/VNAV ALNAV							JS	
SUSAP	KOKCK4FR17LY	R	021RURIQK4EA0E	S 031TF		17500039		V 0174001758		-300		A JS	
SUSAP	KOKCK4FR17LY	R	030RW17LK4PGOGY	M 031TF		17500013		01345		-300		A JS	
SUSAP	KOKCK4FR17LY	R	040	0 M CA		1750		+ 01486				A JS	
SUSAP	KOKCK4FR17LY	R	050JAVXEK4EA0EY	DF				+ 05000				A JS	
SUSAP	KOKCK4FR17LY	R	060JAVXEK4EA0EE	R HM		35500050		+ 05000				A JS	

[illegible]

CITY AND STATE
OKLAHOMA CITY, OK

ELEVATION: 1295	THRE: 1286
AIRPORT NAME: WILL ROGERS WORLD	

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
RNAV (GPS) Y RWY 17L, AMDT 3
24 JULY 2014

SUP:	
AMDT:	2A
DATED:	04/05/2012

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

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[illegible][illegible]

QUALITY
9
CHECKED

CITY AND STATE OKLAHOMA CITY, OK	ELEVATION: 1295 THRE: 1286	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME: WILL ROGERS WORLD	RNAV	RNAV (GPS) Y RWY 17L, AMDT 3	AMDT: 2A
			24 JULY 2014	DATED: 04/05/2012

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICES - FAR PART 97.33

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ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
DAWKS		DAWKS	010		IF		FB					
DAWKS		BEERY	020	IAF	TF		FB	2.0	078.0(083.0T)	014.9	AA 04000	
DAWKS		GOLFS	030		TF		FB	1.0	117.6(122.6T)	005.7	AA 04000	
IFI		IFI	010		IF		FB					
IFI		ATREC	020	IAF	TF		FB	2.0	114.0(119.0T)	023.2	AA 05000	
IFI		GOLFS	030		TF		FB	1.0	175.0(180.0T)	003.5	AA 04000	
		GOLFS	010	FACF	IF		FB				AA 04000	
		HANGS	020	FAF	TF		FB	0.5	175.0(180.0T)	004.0	AA 03000	
		RURIQ	021	SDF	TF		FB	0.3	175.0(180.0T)	003.9	AA 01740 GS 01758	
		RW17L	030	MAP	TF		FO	0.3	175.0(180.0T)	001.3	AT 01345	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		175.0(180.0T)		AA 01486	
	JAVXE	050		DF		FO				AA 05000	
	JAVXE	060		HM	R	FO		355.0(360.0T)	005.0	AA 05000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	IFI	N354818.96	W0980014.10	N3548.316	W09800.235
	ATREC	N353701.52	W0973520.85	N3537.025	W09735.348
	BEERY	N353635.80	W0974113.83	N3536.597	W09741.231
	DAWKS	N353448.27	W0975925.21	N3534.805	W09759.420
	GOLFS	N353331.21	W0973520.67	N3533.520	W09735.345
	HANGS	N352930.84	W0973520.47	N3529.514	W09735.341
	JAVXE	N350957.47	W0973519.47	N3509.958	W09735.325
	RURIQ	N352536.69	W0973520.27	N3525.612	W09735.338
	RW17L	N352418.57	W0973520.20	N3524.310	W09735.337

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW17L	01286	59

QUALITY
9
CHECKED

CITY AND STATE OKLAHOMA CITY, OK	ELEVATION: 1295 THRE: 1286	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME: WILL ROGERS WORLD	RNAV	RNAV (GPS) Y RWY 17L, AMDT 3	AMDT: 2A
			24 JULY 2014	DATED: 04/05/2012

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.												
TERMINAL ROUTES								MISSED APPROACH								
FROM		TO		COURSE AND DISTANCE		ALTITUDE		LPV: DA LNAV/VNAV: DA LNAV: RW17R CLIMB TO 2000 THEN CLIMBING RIGHT TURN TO 3000 DIRECT JESKE AND HOLD. ADDITIONAL FLIGHT DATA: HOLD SW, RT, 036.15 INBOUND. CHART FAS OBST: 1399 TREE 352449N/0973608W CHART: 1577 TOWER 352953N/0973710W CHART: ASR. DISTANCE TO THLD FROM 200 HATH: 0.46 NM. CHART VDP AT 1.00 MILES TO RW17R* *LNAV ONLY. WAAS CHANNEL # 50102 REFERENCE PATH ID: W17A CHART ARRIVAL HOLDING AT FILUM: HOLD N, RT, 174.96 INBOUND, 5000. CHART CIRCLING ICON. LTP HAE: 364 M								
IFI VORTAC		FILUM (FB)		114.87 / 22.45		5000										
DAWKS		BEERY (FB)		078.03 / 14.94		5000										
BEERY (IAF)		ROHAA (FB)		122.18 / 5.00		4000										
FILUM (IAF)		ROHAA (FB)		174.96 / 3.50		4000										
ROHAA (IF)		IVEYI (FB)		174.96 / 3.98		3000										
IVEYI (FAF)		COTOX/1.50 NM TO RW17R (FB)		174.96 / 3.72												
(SEE FORM 8260-10)																
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. PROFILE STARTS AT ROHAA 3. FAC: 174.96 FAF: IVEYI _____ DIST FAF TO MAP: 5.22 THLD: 5.22 4. MIN. ALT: ROHAA 4000, IVEYI 3000, COTOX/1.50 NM TO RW17R 1800* 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 3000 GS ALT AT: IVEYI 3000 _____ OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 55.0 34:1 IS CLEAR 8. MSA FROM: RW17R 3800								MAG VAR: 5E EPOCH YEAR: 2010								
MINIMUMS																
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT						ALTERNATE: N A		STANDARD @								
CATEGORY =====>		A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	
LPV DA	1482	2400	200	1482	2400	200	1482	2400	200	1482	2400	200	1482	2400	200	
LNAV/VNAV DA	1598	2600	316	1598	2600	316	1598	2600	316	1598	2600	316	1598	2600	316	
LNAV MDA	1660	2400	378	1660	2400	378	1660	3500	378	1660	3500	378	1660	3500	378	
CIRCLING	1740	1	445	1760	1	465	1960	1 3/4	665	2000	2 1/4	705	2240	3	945	
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -12C (11F) OR ABOVE 54C @ CAT D 800-2 1/4, CAT E 1000-3 (130F). CHART NOTE: DME/DME RNP-0.3 NA. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT IFI VORTAC ON V140 SOUTHWEST BOUND. (SEE FORM 8260-10)																
CITY AND STATE		ELEVATION: 1295 THRE: 1282		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:						
OKLAHOMA CITY, OK		AIRPORT NAME:				RNAV (GPS) Y RWY 17R, AMDT 4				AMDT: 3						
		WILL ROGERS WORLD				24 JULY 2014				DATED 08/25/2011						

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
COTOX/1.50 NM TO RW17R	RW17R (MAP) (FO)	174.96 / 1.50	
RW17R (MAP)	2000 MSL	174.96	2000
2000 MSL	JESKE (FO)		3000

NOTES, (CONT.):

CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.

CHART NOTE: FOR INOPERATIVE MALSR, INCREASE LPV CAT E VISIBILITY TO RVR 4000, AND INCREASE LNAV/VNAV CAT E VISIBILITY TO RVR 4500. INCREASE LNAV ALL CATS VISIBILITY TO RVR 5500.

CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED WITH RWY 17L.

CHART NOTE: LNAV PROCEDURE NA DURING SIMULTANEOUS OPERATIONS.

CHART NOTE: USE OF FD OR AP PROVIDING RNAV TRACK GUIDANCE REQUIRED DURING SIMULTANEOUS OPERATIONS.

CITY AND STATE

OKLAHOMA CITY, OK

ELEVATION: 1295

THRE: 1282

AIRPORT NAME:

WILL ROGERS WORLD

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) Y RWY 17R, AMDT 4

24 JULY 2014

SUP:

AMDT: 3

DATED: 08/25/2011

RNAV STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

FAS DATA BLOCK INFORMATIONDATA FIELDDATA

OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KOKC
RUNWAY	RW17R
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	Y
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W17A
LTP/FTP LATITUDE	352421.4190N
LTP/FTP LONGITUDE	0973620.6020W
LTP/FTP ELLIPSOIDAL HEIGHT	+03640
FPAP LATITUDE	352244.5000N
FPAP LONGITUDE	0973620.5100W
THRESHOLD CROSSING HEIGHT (TCH)	00055.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0000
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0

CRC REMAINDER

E4F62C96

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+03907
FPAP ORTHOMETRIC HEIGHT	+03907

CITY AND STATE

OKLAHOMA CITY, OK

ELEVATION: 1295

THRE: 1282

AIRPORT NAME:

WILL ROGERS WORLD

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) Y RWY 17R, AMDT 4

24 JULY 2014

SUP:

AMDT: 3

DATED: 08/25/2011

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KOKCK4FR17RY	ADAWKS	010DAWKS	K4EA0E	IF					18000		A	JS
SUSAP	KOKCK4FR17RY	ADAWKS	020BEERYK4EA0E	A	020TF		07800149	+	05000			A	JS
SUSAP	KOKCK4FR17RY	ADAWKS	030ROHAAK4EA0EE	B	010TF		12220050	+	04000			A	JS
SUSAP	KOKCK4FR17RY	AIFI	010IFI	K4D	0V					18000		A	JS
SUSAP	KOKCK4FR17RY	AIFI	020FILUMK4EA0E	A	020TF		11490225	+	05000			A	JS
SUSAP	KOKCK4FR17RY	AIFI	030ROHAAK4EA0EE	B	010TF		17500035	+	04000			A	JS
SUSAP	KOKCK4FR17RY	R	010ROHAAK4EA0E	I	IF			+	04000	18000		A	JS
SUSAP	KOKCK4FR17RY	R	020IVEYIK4EA1E	F	051TF		17500040	+	03000			RW17R	K4PGA JS
SUSAP	KOKCK4FR17RY	R	020IVEYIK4EA2WALPV			ALNAV/VNAV	ALNAV						JS
SUSAP	KOKCK4FR17RY	R	021COTOXK4EA0E	S	031TF		17500037	V	0180001814		-300		A JS
SUSAP	KOKCK4FR17RY	R	030RW17RK4PGOGY	M	031TF		17500015		01337		-300		A JS
SUSAP	KOKCK4FR17RY	R	040		0 M	CA	1750	+	02000				A JS
SUSAP	KOKCK4FR17RY	R	050JESKEK4EA0EY	R	DF			+	03000				A JS
SUSAP	KOKCK4FR17RY	R	060JESKEK4EA0EE	R	HM		03620040	+	03000				A JS

[illegible]

CITY AND STATE OKLAHOMA CITY, OK	ELEVATION: 1295 THRE: 1282 AIRPORT NAME: WILL ROGERS WORLD	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
			RNAV (GPS) Y RWY 17R, AMDT 4	AMDT: 3
			24 JULY 2014	DATED: 08/25/2011

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

[illegible][illegible]

CITY AND STATE
OKLAHOMA CITY, OK

ELEVATION: 1295	THRE: 1282
AIRPORT NAME: WILL ROGERS WORLD	

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
RNAV (GPS) Y RWY 17R, AMDT 4
 24 JULY 2014

SUP:	
AMDT:	3
DATED:	08/25/2011

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICES - FAR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	DAWKS	DAWKS	010		IF		FB					
	DAWKS	BEERY	020	IAF	TF		FB	2.0	078.0 (083.0T)	014.9	AA 05000	
	DAWKS	ROHAA	030		TF		FB	1.0	122.2 (127.2T)	005.0	AA 04000	
	IFI	IFI	010		IF		FB					
	IFI	FILUM	020	IAF	TF		FB	2.0	114.9 (119.9T)	022.5	AA 05000	
	IFI	ROHAA	030		TF		FB	1.0	175.0 (180.0T)	003.5	AA 04000	
		ROHAA	010	FACF	IF		FB				AA 04000	
		IVEYI	020	FAF	TF		FB	0.5	175.0 (180.0T)	004.0	AA 03000	
		COTOX	021	SDF	TF		FB	0.3	175.0 (180.0T)	003.7	AA 01800 GS 01814	
		RW17R	030	MAP	TF		FO	0.3	175.0 (180.0T)	001.5	AT 01337	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		175.0 (180.0T)		AA 02000	
	JESKE	050		DF	R	FO				AA 03000	
	JESKE	060		HM	R	FO		036.2 (041.2T)	004.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	IFI	N354818.96	W0980014.10	N3548.316	W09800.235
	BEERY	N353635.80	W0974113.83	N3536.597	W09741.231
	COTOX	N352551.56	W0973620.68	N3525.859	W09736.345
	DAWKS	N353448.27	W0975925.21	N3534.805	W09759.420
	FILUM	N353704.59	W0973621.26	N3537.077	W09736.354
	IVEYI	N352935.25	W0973620.87	N3529.588	W09736.348
	JESKE	N352131.36	W0975112.35	N3521.523	W09751.206
	ROHAA	N353334.27	W0973621.08	N3533.571	W09736.351
	RW17R	N352421.42	W0973620.60	N3524.357	W09736.343

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW17R	01282	55

CITY AND STATE
OKLAHOMA CITY, OK

ELEVATION: 1295 THRE: 1282
 AIRPORT NAME:
 WILL ROGERS WORLD

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
 RNAV (GPS) Y RWY 17R, AMDT 4
 24 JULY 2014

SUP:
 AMDT: 3
 DATED: 08/25/2011

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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NOTES, (CONT.):

CHART NOTE: FOR INOPERATIVE MALSR, INCREASE LPV AND LNAV/VNAV CAT E VISIBILITY TO RVR 4000.
INCREASE LNAV CAT A/B VISIBILITY TO RVR 5500 AND CAT C/D/E TO RVR 5000.
CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED WITH RWY 35R.
CHART NOTE: LNAV PROCEDURE NA DURING SIMULTANEOUS OPERATIONS.
CHART NOTE: USE OF FD OR AP PROVIDING RNAV TRACK GUIDANCE REQUIRED DURING SIMULTANEOUS OPERATIONS.

CITY AND STATE

OKLAHOMA CITY, OK

ELEVATION: 1295

TDZE: 1277

AIRPORT NAME:

WILL ROGERS WORLD

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) Y RWY 35L, AMDT 4

24 JULY 2014

SUP:

AMDT: 3

DATED: 08/25/2011

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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CITY AND STATE OKLAHOMA CITY, OK	ELEVATION: 1295 AIRPORT NAME: WILL ROGERS WORLD	TDZE: 1277	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) Y RWY 35L, AMDT 4 24 JULY 2014	SUP:
					AMDT: 3
					DATED: 08/25/2011

**RNAV STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

FAS DATA BLOCK INFORMATION**DATA FIELD****DATA**

OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KOKC
RUNWAY	RW35L
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	Y
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W35A
LTP/FTP LATITUDE	352244.5010N
LTP/FTP LONGITUDE	0973620.5070W
LTP/FTP ELLIPSOIDAL HEIGHT	+03583
FPAP LATITUDE	352421.4200N
FPAP LONGITUDE	0973620.6000W
THRESHOLD CROSSING HEIGHT (TCH)	00049.1
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0000
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0

CRC REMAINDER

28E8B7AE

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+03851
FPAP ORTHOMETRIC HEIGHT	+03851

CITY AND STATE OKLAHOMA CITY, OK	ELEVATION: 1295 TDZE: 1277 AIRPORT NAME: WILL ROGERS WORLD	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) Y RWY 35L, AMDT 4 24 JULY 2014	SUP:
				AMDT: 3
				DATED: 08/25/2011

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

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ARINC PACKET - 424-18 - RNAV (GPS)

[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KOKCK4FR35LY AIRW	010	IRW	K4D	0V	IF					18000		A	JS
SUSAP KOKCK4FR35LY AIRW	020	CUBTUK4EA0EY	020	TF		17410116		+ 05000				A	JS
SUSAP KOKCK4FR35LY AIRW	030	CUBTUK4EA0EE	AL	HF		35490050		+ 05000				A	JS
SUSAP KOKCK4FR35LY R	010	CUBTUK4EA0E	I	IF				+ 05000	18000			A	JS
SUSAP KOKCK4FR35LY R	011	NUTREK4EA0E	S	051	TF	35490035		+ 04000				A	JS
SUSAP KOKCK4FR35LY R	020	BRIGEK4EA1E	F	051	TF	35500040		+ 03000			RW35L	K4PGA	JS
SUSAP KOKCK4FR35LY R	020	BRIGEK4EA2	WALPV		ALNAV/VNAV	ALNAV							JS
SUSAP KOKCK4FR35LY R	021	ZOPROK4EA0E	S	031	TF	35500039		V 0174001758		-300		A	JS
SUSAP KOKCK4FR35LY R	030	RW35LK4PG0GY	M	031	TF	35500014		01313		-300		A	JS
SUSAP KOKCK4FR35LY R	040		0	M	CA	3550		+ 02000				A	JS
SUSAP KOKCK4FR35LY R	050	JESKEK4EA0EY	L	DF				+ 05000				A	JS
SUSAP KOKCK4FR35LY R	060	JESKEK4EA0EE	R	HM		03620040		+ 05000				A	JS

[illegible][illegible]

SUP:	
AMDT:	3
DATED:	08/25/2011

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

SUSAP KOKCK4PR35LY RW35L002E +03851+03851LPV 56202

[illegible]

CITY AND STATE
OKLAHOMA CITY, OK

ELEVATION: 1295	TDZE: 1277
AIRPORT NAME:	
WILL ROGERS WORLD	

FACILITY
IDENTIFIER:
| RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
RNAV (GPS) Y RWY 35L, AMDT 4
24 JULY 2014

SUP:	
AMDT:	3
DATED:	08/25/2011

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICES - FAR PART 97.33

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ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
IRW		IRW	010		IF		FB					
IRW		CUBTU	020		TF		FO	2.0	174.1 (179.1T)	011.6	AA 05000	
IRW		CUBTU	030	IAF	HF	L	FO		354.9 (359.9T)	005.0	AA 05000	
		CUBTU	010	FACF	IF		FB				AA 05000	
		NUTRE	011	SDF	TF		FB	0.5	354.9 (359.9T)	003.5	AA 04000	
		BRIGE	020	FAF	TF		FB	0.5	355.0 (360.0T)	004.0	AA 03000	
		ZOPRO	021	SDF	TF		FB	0.3	355.0 (360.0T)	003.9	AA 01740 GS 01758	
		RW35L	030	MAP	TF		FO	0.3	355.0 (360.0T)	001.4	AT 01313	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		355.0 (360.0T)		AA 02000	
	JESKE	050		DF	L	FO				AA 05000	
	JESKE	060		HM	R	FO		036.2 (041.2T)	004.0	AA 05000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	IRW	N352130.95	W0973633.22	N3521.516	W09736.554
	BRIGE	N351726.08	W0973620.24	N3517.435	W09736.337
	CUBTU	N350955.37	W0973619.83	N3509.923	W09736.331
	JESKE	N352131.36	W0975112.35	N3521.523	W09751.206
	NUTRE	N351325.70	W0973620.09	N3513.428	W09736.335
	ZOPRO	N352120.37	W0973620.44	N3521.340	W09736.341
	RW35L	N352244.50	W0973620.51	N3522.742	W09736.342

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW35L	01263	49

CITY AND STATE OKLAHOMA CITY, OK	ELEVATION: 1295	TDZE: 1277	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME: WILL ROGERS WORLD		RNAV	RNAV (GPS) Y RWY 35L, AMDT 4 24 JULY 2014	AMDT: 3
					DATED: 08/25/2011

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.33

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TERMINAL ROUTES				MISSED APPROACH											
FROM	TO	COURSE AND DISTANCE	ALTITUDE												
IRW VORTAC	JAVXE (FO)	170.01 / 11.58	5000	LPV: DA LNAV/VNAV: DA LNAV: RW35R CLIMB TO 5000 DIRECT ATREC AND HOLD, CONTINUE CLIMB-IN-HOLD TO 5000.											
JAVXE (IF/IAF)	CROPE (FB)	354.97 / 3.50	4000												
CROPE	CARES (FB)	354.95 / 4.00	3000												
CARES (FAF)	WOROV/1.40 NM TO RW35R (FB)	354.96 / 3.82		ADDITIONAL FLIGHT DATA: HOLD N, LT, 174.96 INBOUND. CHART FAS OBST: 1319 TREE 352218N/0973529W CHART: ASR. DISTANCE TO THLD FROM 200 HATH: 0.45 NM. CHART VDP AT 0.76 MILES TO RW35R* *LNAV ONLY. WAAS CHANNEL # 61218 REFERENCE PATH ID: W35B CHART CIRCLING ICON. LTP HAE: 364.3 M											
WOROV/1.40 NM TO RW35R	RW35R (MAP) (FO)	354.96 / 1.40													
RW35R (MAP)	1483 MSL	354.96													
1483 MSL	ATREC (FO)		5000												
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. HOLD S JAVXE, RT, 354.96 INBOUND, 5000 FT. IN LIEU OF PT (IAF) 3. FAC: 354.96 FAF: CARES DIST FAF TO MAP: 5.22 THLD: 5.22 4. MIN. ALT: JAVXE 5000, CROPE 4000, CARES 3000, WOROV/1.40 NM TO RW35R 1780* 5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT: 6. MIN GS INCPT: 3000 GS ALT AT: CARES 3000 OM: MM: IM: 7. GS ANGLE: 3.00 TCH: 56.0 34:1 IS CLEAR 8. MSA FROM: RW35R 3800				MAG VAR: 5E EPOCH YEAR: 2010											
MINIMUMS															
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE: N A		STANDARD									
CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	1483	2400	200	1483	2400	200	1483	2400	200	1483	2400	200	1483	2400	200
LNAV/VNAV DA	1533	2400	250	1533	2400	250	1533	2400	250	1533	2400	250	1533	2400	250
LNAV MDA	1580	2400	297	1580	2400	297	1580	2400	297	1580	2400	297	1580	2400	297
CIRCLING	1740	1	445	1760	1	465	1960	1 3/4	665	2000	2 1/4	705	2240	3	945
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -12C (11F) OR ABOVE 54C (130F). CHART NOTE: DME/DME RNP-0.3 NA. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON IRW VORTAC AIRWAY RADIALS 106 CW 241. (SEE FORM 8260-10)															
CITY AND STATE		ELEVATION: 1295 THRE: 1283		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:					
OKLAHOMA CITY, OK		AIRPORT NAME: WILL ROGERS WORLD				RNAV (GPS) Y RWY 35R, AMDT 3 24 JULY 2014				AMDT: 2A					
										DATED 04/05/2012					

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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NOTES, (CONT.):

CHART NOTE: FOR INOPERATIVE ALSF, INCREASE LPV AND LNAV/VNAV CAT E VISIBILITY TO RVR 4000.

INCREASE LNAV CAT A/B VISIBILITY TO RVR 5500, AND CAT C/D/E TO RVR 4500.

CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED WITH RWY 35L.

CHART NOTE: LNAV PROCEDURE NA DURING SIMULTANEOUS OPERATIONS.

CHART NOTE: USE OF FD OR AP PROVIDING RNAV TRACK GUIDANCE REQUIRED DURING SIMULTANEOUS OPERATIONS.

CITY AND STATE

OKLAHOMA CITY, OK

ELEVATION: 1295

THRE: 1283

AIRPORT NAME:

WILL ROGERS WORLD

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:

RNAV (GPS) Y RWY 35R, AMDT 3

24 JULY 2014

SUP:

AMDT: 2A

DATED: 04/05/2012

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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CITY AND STATE OKLAHOMA CITY, OK	ELEVATION: 1295 THRE: 1283 AIRPORT NAME: WILL ROGERS WORLD	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) Y RWY 35R, AMDT 3 24 JULY 2014	SUP:
				AMDT: 2A
				DATED: 04/05/2012

**RNAV STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

FAS DATA BLOCK INFORMATION**DATA FIELD****DATA**

OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KOKC
RUNWAY	RW35R
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	Y
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W35B
LTP/FTP LATITUDE	352241.6390N
LTP/FTP LONGITUDE	0973520.1140W
LTP/FTP ELLIPSOIDAL HEIGHT	+03643
FPAP LATITUDE	352418.5700N
FPAP LONGITUDE	0973520.2000W
THRESHOLD CROSSING HEIGHT (TCH)	00056.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0000
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0

CRC REMAINDER

3F91D74B

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+03910
FPAP ORTHOMETRIC HEIGHT	+03910

CITY AND STATE

OKLAHOMA CITY, OK

ELEVATION: 1295

THRE: 1283

AIRPORT NAME:

WILL ROGERS WORLD

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) Y RWY 35R, AMDT 3

24 JULY 2014

SUP:

AMDT: 2A

DATED: 04/05/2012

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - FAR PART 97.33

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ARINC PACKET - 424-18 - RNAV (GPS)

[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KOKCK4FR35RY	AIRW	010IRW	K4D 0V	IF					18000		A	JS
SUSAP	KOKCK4FR35RY	AIRW	020JAVXEK4EA0EY	020TF		17000116		+	05000			A	JS
SUSAP	KOKCK4FR35RY	AIRW	030JAVXEK4EA0EE	AR HF		35500050		+	05000			A	JS
SUSAP	KOKCK4FR35RY	R	010JAVXEK4EA0E	I IF				+	05000	18000		A	JS
SUSAP	KOKCK4FR35RY	R	011CROPEK4EA0E	S 051TF		35500035		+	04000			A	JS
SUSAP	KOKCK4FR35RY	R	020CARESK4EA1E	F 051TF		35500040		+	03000		RW35R K4PGA	JS	
SUSAP	KOKCK4FR35RY	R	020CARESK4EA2WALPV		ALNAV/VNAV ALNAV							JS	
SUSAP	KOKCK4FR35RY	R	021WOROVK4EA0E	S 031TF		35500038		V	0178001785		-300	A	JS
SUSAP	KOKCK4FR35RY	R	030RW35RK4PG0GY	M 031TF		35500014			01339		-300	A	JS
SUSAP	KOKCK4FR35RY	R	040	0 M CA		3550		+	01483			A	JS
SUSAP	KOKCK4FR35RY	R	050ATRECK4EA0EY	DF				+	05000			A	JS
SUSAP	KOKCK4FR35RY	R	060ATRECK4EA0EE	L HM		17500050		+	05000			A	JS

[illegible][illegible]

3
9010
QUALITY
CHECKED

CITY AND STATE
OKLAHOMA CITY, OK

ELEVATION: 1295	THRE: 1283
AIRPORT NAME: WILL ROGERS WORLD	

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
RNAV (GPS) Y RWY 35R, AMDT 3
24 JULY 2014

SUP:	
AMDT:	2A
DATED:	04/05/2012

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[illegible]

QUALITY
9
CHECKED

CITY AND STATE OKLAHOMA CITY, OK	ELEVATION: 1295 THRE: 1283 AIRPORT NAME: WILL ROGERS WORLD	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) Y RWY 35R, AMDT 3 24 JULY 2014	SUP:
				AMDT: 2A
				DATED: 04/05/2012

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICES - FAR PART 97.33

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ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	IRW	IRW	010		IF		FB					
	IRW	JAVXE	020		TF		FO	2.0	170.0 (175.0T)	011.6	AA 05000	
	IRW	JAVXE	030	IAF	HF	R	FO		355.0 (360.0T)	005.0	AA 05000	
		JAVXE	010	FACF	IF		FB				AA 05000	
		CROPE	011	SDF	TF		FB	0.5	355.0 (360.0T)	003.5	AA 04000	
		CARES	020	FAF	TF		FB	0.5	355.0 (360.0T)	004.0	AA 03000	
		WOROV	021	SDF	TF		FB	0.3	355.0 (360.0T)	003.8	AA 01780 GS 01785	
		RW35R	030	MAP	TF		FO	0.3	355.0 (360.0T)	001.4	AT 01339	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		355.0 (360.0T)		AA 01483	
	ATREC	050		DF		FO				AA 05000	
	ATREC	060		HM	L	FO		175.0 (180.0T)	005.0	AA 05000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	IRW	N352130.95	W0973633.22	N3521.516	W09736.554
	ATREC	N353701.52	W0973520.85	N3537.025	W09735.348
	CARES	N351728.18	W0973519.84	N3517.470	W09735.331
	CROPE	N351327.80	W0973519.60	N3513.463	W09735.327
	JAVXE	N350957.47	W0973519.47	N3509.958	W09735.325
	WOROV	N352117.51	W0973520.04	N3521.292	W09735.334
	RW35R	N352241.64	W0973520.11	N3522.694	W09735.335

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW35R	01283	56



CITY AND STATE OKLAHOMA CITY, OK	ELEVATION: 1295 THRE: 1283	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME: WILL ROGERS WORLD		RNAV (GPS) Y RWY 35R, AMDT 3	AMDT: 2A
			24 JULY 2014	DATED: 04/05/2012

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (RNP) - STANDARD,
INSTRUMENT APPROACH PROCEDURE, - TITLE 14 CFR PART 97.33

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TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
DONMO	SIWHU (RF) (FB) (RNP 0.40)	(2.53 NM RADIUS CW (CFBTH) / 2.34	3000
ATREC (IAF)	GOLFS (TF) (FB) (RNP 1.00)	174.96 / 3.50	4000
GOLFS (IF)	SIWHU (TF) (FB) (RNP 1.00)	174.96 / 3.93	3000
SIWHU	SCORY (TF) (FB) (RNP 0.40)	174.96 / 2.27	2300
HIPES (IF)	WUVMA (TF) (FB) (RNP 1.00)	265.01 / 5.00	3500
PALMR (IF)	ISAKE (TF) (FB) (RNP 1.00)	354.96 / 4.10	4700
ISAKE	WUVMA (RF) (FB) (RNP 1.00)	(2.50 NM RADIUS CCW (CFBTM) / 3.93	3500
WUVMA	HAMDO (RF) (FB) (RNP 0.80)	(2.50 NM RADIUS CCW (CFBTJ) / 1.74	3000
HAMDO	SCORY (RF) (FB) (RNP 0.80)	(2.50 NM RADIUS CCW (CFBTJ) / 2.20	2300
SCORY (FAF)	RW17L (MAP) (TF) (FO)	174.96 / 3.00	
RW17L (MAP)	JAVXE (TF) (FO) (RNP 1.00)	174.96 / 14.33	5000

NOTES, (CONT.):

CHART NOTE: GPS REQUIRED.

CHART PLANVIEW NOTE AT GOLFS : MAX 210 KIAS.

CHART PLANVIEW NOTE AT WWILL : MAX 210 KIAS.

CHART PLANVIEW NOTE AT FLAPP : MAX 210 KIAS.

CHART PLANVIEW NOTE AT PALMR : MAX 210 KIAS.

CHART PLANVIEW NOTE AT WUVMA : MAX 210 KIAS.

CHART PLANVIEW NOTE ADJACENT TO WWILL IF: RF REQUIRED.

CHART PLANVIEW NOTE ADJACENT TO FLAPP IF: RF REQUIRED.

CHART PLANVIEW NOTE ADJACENT TO HIPES IF: RF REQUIRED.

CHART PLANVIEW NOTE ADJACENT TO PALMR IF: RF REQUIRED.

CHART PLANVIEW NOTE AT WWILL: (RNP 0.40).

CHART PLANVIEW NOTE AT FLAPP: (RNP 0.40).

CHART PLANVIEW NOTE AT ATREC: (RNP 0.40).

CITY AND STATE

OKLAHOMA CITY, OK

ELEVATION: 1295

THRE: 1286

AIRPORT NAME:

WILL ROGERS WORLD

**FACILITY
IDENTIFIER:**
RNAV

PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:

RNAV (RNP) Z RWY 17L, AMDT 3

24 JULY 2014

SUP:

AMDT: 2A

DATED: 04/05/2012

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (RNP) - STANDARD,
INSTRUMENT APPROACH PROCEDURE, - TITLE 14 CFR PART 97.33

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CHART PLANVIEW NOTE AT HIPES: (RNP 0.80).

CHART PLANVIEW NOTE AT PALMR: (RNP 0.80).

CHART PLANVIEW NOTE AT HIPES: RADAR REQUIRED FOR PROCEDURE ENTRY AT HIPES.

CHART PLANVIEW NOTE AT ATREC: RADAR REQUIRED FOR PROCEDURE ENTRY AT ATREC.

CHART PROFILE NOTE: SEE PLANVIEW FOR MULTIPLE IF LOCATIONS.

CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED WITH RWY 17R.

CHART NOTE: USE OF FD OR AP PROVIDING RNAV TRACK GUIDANCE REQUIRED DURING SIMULTANEOUS OPERATIONS.

CITY AND STATE
OKLAHOMA CITY, OK

ELEVATION: 1295 THRE: 1286
AIRPORT NAME:
WILL ROGERS WORLD

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:
RNAV (RNP) Z RWY 17L, AMDT 3
24 JULY 2014

SUP:
AMDT: 2A
DATED: 04/05/2012

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[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KOKCK4FH17LZ AATREC 010ATRECK4PC0E A IF									+ 05000	18000		A FS	
SUSAP KOKCK4FH17LZ AATREC 020GOLFSK4PC0E B 010TF									+ 04000	210		A-FS	
SUSAP KOKCK4FH17LZ AATREC 030SIWHUK4PC0E 010TF									+ 03000			A FS	
SUSAP KOKCK4FH17LZ AATREC 040SCORYK4PC0EE 041TF									+ 02300			A FS	
SUSAP KOKCK4FH17LZ AFLAPP 010FLAPPK4PC0E B IF									05000	18000210		A-FS	
SUSAP KOKCK4FH17LZ AFLAPP 020MERTEK4PC0E 010TF									+ 04000			A FS	
SUSAP KOKCK4FH17LZ AFLAPP 030JINTAK4PC0E 041TF									+ 04000			A FS	

QUALITY
2
CHECKED

FAA FORM 8260 - 10 / April 2006 (Computer Generated)

RNAV (RNP) STANDARD INSTRUMENT APPROACH PROCEDURE

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SUSAP	KOKCK4FH17LZ	AFLAPP	040DONMOK4PC0E	R041RF	0025300850	12190016	+	03500			CFBXW	K4PCA	FS
SUSAP	KOKCK4FH17LZ	AFLAPP	050SIWUHUK4PC0E	R041RF	0025301219	17500023	+	03000			CFBTH	K4PCA	FS
SUSAP	KOKCK4FH17LZ	AFLAPP	060SCORYK4PC0EE	041TF			+	02300					A FS
SUSAP	KOKCK4FH17LZ	AHIPES	010HIPESK4PC0E	B IF				05000	18000				A FS
SUSAP	KOKCK4FH17LZ	AHIPES	020WUVMK4PC0E	010TF			+	03500	210				A-FS
SUSAP	KOKCK4FH17LZ	AHIPES	030HAMDOK4PC0E	L081RF	0025002650	22520017	+	03000			CFBTJ	K4PCA	FS
SUSAP	KOKCK4FH17LZ	AHIPES	040SCORYK4PC0EE	L081RF	0025002252	17500022	+	02300			CFBTJ	K4PCA	FS
SUSAP	KOKCK4FH17LZ	APALMR	010PALMRK4EA0E	B IF				06000	18000210				A-FS
SUSAP	KOKCK4FH17LZ	APALMR	020ISAKEK4EA0E	010TF			+	04700					A FS
SUSAP	KOKCK4FH17LZ	APALMR	030WUVMK4PC0E	L010RF	0025003550	26500039	+	03500	210		CFBTM	K4PCA-FS	
SUSAP	KOKCK4FH17LZ	APALMR	040HAMDOK4PC0E	L081RF	0025002650	22520017	+	03000			CFBTJ	K4PCA	FS
SUSAP	KOKCK4FH17LZ	APALMR	050SCORYK4PC0EE	L081RF	0025002252	17500022	+	02300			CFBTJ	K4PCA	FS
SUSAP	KOKCK4FH17LZ	AWWILL	010WWILLK4PC0E	B IF				06000	18000210				A-FS
SUSAP	KOKCK4FH17LZ	AWWILL	020ADWOWK4PC0E	010TF			+	05000					A FS
SUSAP	KOKCK4FH17LZ	AWWILL	030MERTEK4PC0E	R010RF	0025303550	08500040	+	04000			CFBTG	K4PCA	FS
SUSAP	KOKCK4FH17LZ	AWWILL	040JINTAK4PC0E	041TF			+	04000					A FS
SUSAP	KOKCK4FH17LZ	AWWILL	050DONMOK4PC0E	R041RF	0025300850	12190016	+	03500			CFBXW	K4PCA	FS
SUSAP	KOKCK4FH17LZ	AWWILL	060SIWUHUK4PC0E	R041RF	0025301219	17500023	+	03000			CFBTH	K4PCA	FS
SUSAP	KOKCK4FH17LZ	AWWILL	070SCORYK4PC0EE	041TF			+	02300					A FS
SUSAP	KOKCK4FH17LZ	H	020SCORYK4PC1E	F IF			+	02300	18000		RW17L	K4PGA	FS
SUSAP	KOKCK4FH17LZ	H	020SCORYK4PC2W						A031A021A112				FS
SUSAP	KOKCK4FH17LZ	H	030RW17L4PGOGY	M 031TF				01345		-300			A FS
SUSAP	KOKCK4FH17LZ	H	040JAVXEK4PC0EYM	010TF			+	05000					A FS
SUSAP	KOKCK4FH17LZ	H	050JAVXEK4PC0EE	R HM		35500050	+	05000					A FS

[illegible][illegible]

QUALITY
2
CHECKED

CITY AND STATE OKLAHOMA CITY, OK	ELEVATION: 1295 THRE: 1286 AIRPORT NAME: WILL ROGERS WORLD	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
			RNAV (RNP) Z RWY 17L, AMDT 3	AMDT: 2A
			24 JULY 2014	DATED: 04/05/2012

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (RNP) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICES - FAR PART 97.33

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ARINC SUMMARY - 424-18 - RNAV (RNP)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	ATREC	ATREC	010	IAF	IF		FB				AA 05000	
	ATREC	GOLFS	020		TF		FB	1.0			AA 04000	AB 210
	ATREC	SIWHU	030		TF		FB	1.0			AA 03000	
	ATREC	SCORY	040		TF		FB	0.4			AA 02300	
	FLAPP	FLAPP	010		IF		FB				AT 05000	AB 210
	FLAPP	MERTE	020		TF		FB	1.0			AA 04000	
	FLAPP	JINTA	030		TF		FB	0.4			AA 04000	
	FLAPP	DONMO	040		RF	R	FB	0.4		001.6	AA 03500	
	FLAPP	SIWHU	050		RF	R	FB	0.4		002.3	AA 03000	
	FLAPP	SCORY	060		TF		FB	0.4			AA 02300	
	HIPES	HIPES	010		IF		FB				AT 05000	
	HIPES	WUVMA	020		TF		FB	1.0			AA 03500	AB 210
	HIPES	HAMDO	030		RF	L	FB	0.8		001.7	AA 03000	
	HIPES	SCORY	040		RF	L	FB	0.8		002.2	AA 02300	
	PALMR	PALMR	010		IF		FB				AT 06000	AB 210
	PALMR	ISAKE	020		TF		FB	1.0			AA 04700	
	PALMR	WUVMA	030		RF	L	FB	1.0		003.9	AA 03500	AB 210
	PALMR	HAMDO	040		RF	L	FB	0.8		001.7	AA 03000	
	PALMR	SCORY	050		RF	L	FB	0.8		002.2	AA 02300	
	WWILL	WWILL	010		IF		FB				AT 06000	AB 210
	WWILL	ADWOW	020		TF		FB	1.0			AA 05000	
	WWILL	MERTE	030		RF	R	FB	1.0		004.0	AA 04000	
	WWILL	JINTA	040		TF		FB	0.4			AA 04000	
	WWILL	DONMO	050		RF	R	FB	0.4		001.6	AA 03500	
	WWILL	SIWHU	060		RF	R	FB	0.4		002.3	AA 03000	
	WWILL	SCORY	070		TF		FB	0.4			AA 02300	
		SCORY	020	FAF	IF		FB				AA 02300	
		RW17L	030	MAP	TF		FO	0.3			AT 01345	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	JAVXE	040		TF		FO	1.0			AA 05000	
	JAVXE	050		HM	R	FO		355.0 (360.0T)	005.0	AA 05000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	ISAKE	N352718.89	W0972912.54	N3527.315	W09729.209
	PALMR	N352312.51	W0972912.33	N3523.209	W09729.206
	ADWOW	N352934.96	W0974232.68	N3529.583	W09742.545
	ATREC	N353701.52	W0973520.85	N3537.025	W09735.348
	CFBTG	N352935.03	W0973926.70	N3529.584	W09739.445
	CFBTH	N352935.12	W0973826.38	N3529.585	W09738.440

**QUALITY
2
CHECKED**

CITY AND STATE OKLAHOMA CITY, OK	ELEVATION: 1295 THRE: 1286	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (RNP) Z RWY 17L, AMDT 3 24 JULY 2014	SUP:
	AIRPORT NAME: WILL ROGERS WORLD			AMDT: 2A
				DATED: 04/05/2012

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (RNP) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICES - FAR PART 97.33

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CFBTJ	N352718.83	W0973216.49	N3527.314	W09732.275
CFBTM	N352718.75	W0973216.49	N3527.313	W09732.275
CFBXW	N352935.12	W0973826.38	N3529.585	W09738.440
DONMO	N353136.68	W0973634.69	N3531.611	W09736.578
FLAPP	N353206.78	W0974525.66	N3532.113	W09745.428
GOLFS	N353331.21	W0973520.67	N3533.520	W09735.345
HAMDO	N352914.45	W0973414.13	N3529.241	W09734.236
HIPES	N352949.35	W0972609.16	N3529.823	W09726.153
JAVXE	N350957.47	W0973519.47	N3509.958	W09735.325
JINTA	N353207.16	W0973826.47	N3532.119	W09738.441
MERTE	N353207.13	W0973926.82	N3532.119	W09739.447
SCORY	N352718.76	W0973520.35	N3527.313	W09735.339
SIWHU	N352935.27	W0973520.47	N3529.588	W09735.341
WUVMA	N352949.26	W0973216.65	N3529.821	W09732.278
WWILL	N352616.66	W0974232.51	N3526.278	W09742.542
RW17L	N352418.57	W0973520.20	N3524.310	W09735.337

RUNWAY DATA

	THRESHOLD	
RWY	ELEVATION	TCH
RW17L	01286	59

QUALITY
2
CHECKED

CITY AND STATE OKLAHOMA CITY, OK	ELEVATION: 1295 THRE: 1286	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (RNP) Z RWY 17L, AMDT 3 24 JULY 2014	SUP:
	AIRPORT NAME: WILL ROGERS WORLD			AMDT: 2A
				DATED: 04/05/2012

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
**RNAV (RNP) - STANDARD,
 INSTRUMENT APPROACH PROCEDURE, - TITLE 14 CFR PART 97.33**

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TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
MERTE	MABCU (RF) (FB) (RNP 1.00)	(2.53 NM RADIUS CW (CFBXZ) / 2.10	3500
MABCU	IVEYI (RF) (FB) (RNP 0.90)	(2.53 NM RADIUS CW (CFBTN) / 1.87	3000
IVEYI	JILDI (TF) (FB) (RNP 0.90)	174.96 / 2.20	2300
PALMR (IF)	ISAKE (TF) (FB) (RNP 1.00)	354.96 / 4.10	4700
ISAKE	WUVMA (RF) (FB) (RNP 1.00)	(2.50 NM RADIUS CCW (CFBTM) / 3.93	3500
HIPES (IF)	WUVMA (TF) (FB) (RNP 1.00)	265.01 / 5.00	3500
WUVMA	PROSS (TF) (FB) (RNP 0.45)	264.95 / 0.90	3300
PROSS	COLWE (RF) (FB) (RNP 0.45)	(2.43 NM RADIUS CCW (CFBTL) / 1.62	3000
COLWE	JILDI (RF) (FB) (RNP 0.45)	(2.43 NM RADIUS CCW (CFBTL) / 2.20	2300
JILDI (FAF)	RW17R (MAP) (TF) (FO)	174.96 / 3.02	
RW17R (MAP)	2000 MSL (CA)	174.96	2000
2000 MSL	JESKE (DF) (FO)		3000

NOTES, (CONT.):

CHART NOTE: GPS REQUIRED.
 CHART PLANVIEW NOTE AT ROHAA : MAX 210 KIAS.
 CHART PLANVIEW NOTE AT WWILL : MAX 210 KIAS.
 CHART PLANVIEW NOTE AT FLAPP : MAX 210 KIAS.
 CHART PLANVIEW NOTE AT PALMR : MAX 210 KIAS.
 CHART PLANVIEW NOTE AT PROSS : MAX 210 KIAS.
 CHART PLANVIEW NOTE ADJACENT TO WWILL IF: RF REQUIRED.
 CHART PLANVIEW NOTE ADJACENT TO FLAPP IF: RF REQUIRED.
 CHART PLANVIEW NOTE ADJACENT TO PALMR IF: RF REQUIRED.
 CHART PLANVIEW NOTE ADJACENT TO HIPES IF: RF REQUIRED.
 CHART PLANVIEW NOTE AT FILUM: (RNP 0.90).

CITY AND STATE

OKLAHOMA CITY, OK

ELEVATION: 1295

THRE: 1282

AIRPORT NAME:

WILL ROGERS WORLD

**FACILITY
 IDENTIFIER:**

RNAV

PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:

RNAV (RNP) Z RWY 17R, AMDT 1

24 JULY 2014

SUP:

AMDT: ORIG

DATED: 08/25/2011

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (RNP) - STANDARD,
INSTRUMENT APPROACH PROCEDURE, - TITLE 14 CFR PART 97.33

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CHART PLANVIEW NOTE AT WWILL: (RNP 0.90).
CHART PLANVIEW NOTE AT FLAPP: (RNP 0.90).
CHART PLANVIEW NOTE AT PALMR: (RNP 0.45).
CHART PLANVIEW NOTE AT HIPES: (RNP 0.45).
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.
CHART PLANVIEW NOTE AT HIPES: RADAR REQUIRED FOR PROCEDURE ENTRY AT HIPES.
CHART PLANVIEW NOTE AT FILUM: RADAR REQUIRED FOR PROCEDURE ENTRY AT FILUM.
CHART PROFILE NOTE: SEE PLANVIEW FOR MULTIPLE IF LOCATIONS.
CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED WITH RWY 17L.
CHART NOTE: USE OF FD OR AP PROVIDING RNAV TRACK GUIDANCE REQUIRED DURING SIMULTANEOUS OPERATIONS.

CITY AND STATE
OKLAHOMA CITY, OK

ELEVATION: 1295 THRE: 1282
AIRPORT NAME:
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FACILITY
IDENTIFIER:
RNAV

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RNAV (RNP) Z RWY 17R, AMDT 1
24 JULY 2014

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[illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KOKCK4FH17RZ	AFILUM	010FILUMK4PC0E	A	IF				+ 05000	18000		A	FS
SUSAP	KOKCK4FH17RZ	AFILUM	020ROHAAK4PC0E	B	010TF				+ 04000	210		A-FS	
SUSAP	KOKCK4FH17RZ	AFILUM	030IVEYIK4PC0E		010TF				+ 03000			A	FS
SUSAP	KOKCK4FH17RZ	AFILUM	040JILDIK4PC0EE		091TF				+ 02300			A	FS
SUSAP	KOKCK4FH17RZ	AFLAPP	010FLAPPK4PC0E	B	IF				05000	18000210		A-FS	
SUSAP	KOKCK4FH17RZ	AFLAPP	020MERTEK4PC0E		010TF				+ 04000			A	FS
SUSAP	KOKCK4FH17RZ	AFLAPP	030MABCUK4PC0E		R010RF	0025300849	13250021		+ 03500		CFBXZ	K4PCA	FS

SUP:	
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DATED:	08/25/2011

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
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SUSAP	KOKCK4FH17RZ	AFLAPP	0401VEYIK4PC0E	R091RF	0025301325	17500019	+	03000			CFBTN	K4PCA	FS
SUSAP	KOKCK4FH17RZ	AFLAPP	050JILDIK4PC0EE	091TF			+	02300					A FS
SUSAP	KOKCK4FH17RZ	AHIPES	010HIPESK4PC0E	B IF				05000	18000				A FS
SUSAP	KOKCK4FH17RZ	AHIPES	020WUVMAK4PC0E	010TF			+	03500					A FS
SUSAP	KOKCK4FH17RZ	AHIPES	030PROSSK4PC0E	452TF			+	03300	210				A-FS
SUSAP	KOKCK4FH17RZ	AHIPES	040COLWEK4PC0E	L452RF	0024302650	22680016	+	03000			CFBTL	K4PCA	FS
SUSAP	KOKCK4FH17RZ	AHIPES	050JILDIK4PC0EE	L452RF	0024302268	17500022	+	02300			CFBTL	K4PCA	FS
SUSAP	KOKCK4FH17RZ	APALMR	010PALMRK4EA0E	B IF				06000	18000210				A-FS
SUSAP	KOKCK4FH17RZ	APALMR	020ISAKEK4EA0E	010TF			+	04700					A FS
SUSAP	KOKCK4FH17RZ	APALMR	030WUVMAK4PC0E	L010RF	0025003550	26500039	+	03500			CFBTM	K4PCA	FS
SUSAP	KOKCK4FH17RZ	APALMR	040PROSSK4PC0E	452TF			+	03300	210				A-FS
SUSAP	KOKCK4FH17RZ	APALMR	050COLWEK4PC0E	L452RF	0024302650	22680016	+	03000			CFBTL	K4PCA	FS
SUSAP	KOKCK4FH17RZ	APALMR	060JILDIK4PC0EE	L452RF	0024302268	17500022	+	02300			CFBTL	K4PCA	FS
SUSAP	KOKCK4FH17RZ	AWWILL	010WILLK4PC0E	B IF				06000	18000210				A-FS
SUSAP	KOKCK4FH17RZ	AWWILL	020ADWOWK4PC0E	010TF			+	05000					A FS
SUSAP	KOKCK4FH17RZ	AWWILL	030MERTEK4PC0E	R010RF	0025303550	08490040	+	04000			CFBTG	K4PCA	FS
SUSAP	KOKCK4FH17RZ	AWWILL	040MABCUK4PC0E	R010RF	0025300849	13250021	+	03500			CFBXZ	K4PCA	FS
SUSAP	KOKCK4FH17RZ	AWWILL	050IVEYIK4PC0E	R091RF	0025301325	17500019	+	03000			CFBTN	K4PCA	FS
SUSAP	KOKCK4FH17RZ	AWWILL	060JILDIK4PC0EE	091TF			+	02300					A FS
SUSAP	KOKCK4FH17RZ	H	020JILDIK4PC1E	F IF			+	02300	18000		RW17R	K4PGA	FS
SUSAP	KOKCK4FH17RZ	H	020JILDIK4PC2W						A031A021				FS
SUSAP	KOKCK4FH17RZ	H	030RW17RK4PG0GY	M 031TF				01337		-300			A FS
SUSAP	KOKCK4FH17RZ	H	040	0 M CA		1750	+	02000					A FS
SUSAP	KOKCK4FH17RZ	H	050JESKEK4PC0EY	DF			+	03000					A FS
SUSAP	KOKCK4FH17RZ	H	060JESKEK4PC0EE	R HM		03620040	+	03000					A FS

[illegible][illegible]

CITY AND STATE OKLAHOMA CITY, OK	ELEVATION: 1295 THRE: 1282	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME: WILL ROGERS WORLD		RNAV (RNP) Z RWY 17R, AMDT 1	AMDT: ORIG
		RNAV	24 JULY 2014	DATED: 08/25/2011

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
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ARINC SUMMARY - 424-18 - RNAV (RNP)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	FILUM	FILUM	010	IAF	IF		FB				AA 05000	
	FILUM	ROHAA	020		TF		FB	1.0			AA 04000	AB 210
	FILUM	IVEYI	030		TF		FB	1.0			AA 03000	
	FILUM	JILDI	040		TF		FB	0.9			AA 02300	
	FLAPP	FLAPP	010		IF		FB				AT 05000	AB 210
	FLAPP	MERTE	020		TF		FB	1.0			AA 04000	
	FLAPP	MABCU	030		RF	R	FB	1.0		002.1	AA 03500	
	FLAPP	IVEYI	040		RF	R	FB	0.9		001.9	AA 03000	
	FLAPP	JILDI	050		TF		FB	0.9			AA 02300	
	HIPES	HIPES	010		IF		FB				AT 05000	
	HIPES	WUVMA	020		TF		FB	1.0			AA 03500	
	HIPES	PROSS	030		TF		FB	0.45			AA 03300	AB 210
	HIPES	COLWE	040		RF	L	FB	0.45		001.6	AA 03000	
	HIPES	JILDI	050		RF	L	FB	0.45		002.2	AA 02300	
	PALMR	PALMR	010		IF		FB				AT 06000	AB 210
	PALMR	ISAKE	020		TF		FB	1.0			AA 04700	
	PALMR	WUVMA	030		RF	L	FB	1.0		003.9	AA 03500	
	PALMR	PROSS	040		TF		FB	0.45			AA 03300	AB 210
	PALMR	COLWE	050		RF	L	FB	0.45		001.6	AA 03000	
	PALMR	JILDI	060		RF	L	FB	0.45		002.2	AA 02300	
	WWILL	WWILL	010		IF		FB				AT 06000	AB 210
	WWILL	ADWOW	020		TF		FB	1.0			AA 05000	
	WWILL	MERTE	030		RF	R	FB	1.0		004.0	AA 04000	
	WWILL	MABCU	040		RF	R	FB	1.0		002.1	AA 03500	
	WWILL	IVEYI	050		RF	R	FB	0.9		001.9	AA 03000	
	WWILL	JILDI	060		TF		FB	0.9			AA 02300	
		JILDI	020	FAF	IF		FB				AA 02300	
		RW17R	030	MAP	TF		FO	0.3			AT 01337	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		175.0 (180.0T)		AA 02000	
	JESKE	050		DF		FO				AA 03000	
	JESKE	060		HM	R	FO		036.2 (041.2T)	004.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	ISAKE	N352718.89	W0972912.54	N3527.315	W09729.209
	PALMR	N352312.51	W0972912.33	N3523.209	W09729.206
	ADWOW	N352934.96	W0974232.68	N3529.583	W09742.545
	CFBTG	N352935.03	W0973926.70	N3529.584	W09739.445
	CFBTL	N352723.24	W0973322.35	N3527.387	W09733.373

CITY AND STATE
OKLAHOMA CITY, OK

ELEVATION: **1295** **THRE: 1282**
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WILL ROGERS WORLD

FACILITY
 IDENTIFIER:
RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
RNAV (RNP) Z RWY 17R, AMDT 1
24 JULY 2014

SUP:
 AMDT: **ORIG**
 DATED: **08/25/2011**

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (RNP) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICES - FAR PART 97.33

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CFBTM	N352718.75	W0973216.49	N3527.313	W09732.275
CFBTN	N352935.11	W0973926.81	N3529.585	W09739.447
CFBXZ	N352935.19	W0973926.70	N3529.587	W09739.445
COLWE	N352917.95	W0973512.71	N3529.299	W09735.212
FILUM	N353704.59	W0973621.26	N3537.077	W09736.354
FLAPP	N353206.78	W0974525.66	N3532.113	W09745.428
HIPEs	N352949.35	W0972609.16	N3529.823	W09726.153
IVEYI	N352935.25	W0973620.87	N3529.588	W09736.348
JESKE	N352131.36	W0975112.35	N3521.523	W09751.206
JILDI	N352723.17	W0973620.76	N3527.386	W09736.346
MABCU	N353117.76	W0973709.60	N3531.296	W09737.160
MERTE	N353207.13	W0973926.82	N3532.119	W09739.447
PROSS	N352949.21	W0973322.54	N3529.820	W09733.376
ROHAA	N353334.27	W0973621.08	N3533.571	W09736.351
WUVMA	N352949.26	W0973216.65	N3529.821	W09732.276
WWILL	N352616.66	W0974232.51	N3526.278	W09742.542
RW17R	N352421.42	W0973620.60	N3524.357	W09736.343

RUNWAY DATA

RWY	THRESHOLD ELEVATION	TCH
RW17R	01282	55

CITY AND STATE
OKLAHOMA CITY, OK

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US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION		RNAV (RNP) - STANDARD, INSTRUMENT APPROACH PROCEDURE, TITLE 14 CFR PART 97.33		Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.	
TERMINAL ROUTES				MISSED APPROACH	
FROM	TO	COURSE AND DISTANCE	ALTITUDE	RNP: DA	
CUBTU (IAF)	NUTRE (TF) (FB) (RNP 1.00)	354.94 / 3.50	4000	CLIMB TO 2000 THEN CLIMBING LEFT TURN TO 3000 DIRECT JESKE AND HOLD.	
NUTRE (IF)	BRIGE (TF) (FB) (RNP 1.00)	354.97 / 4.00	3000		
BRIGE	MIKEC (TF) (FB) (RNP 1.00)	354.96 / 2.20	2300		
IMAGE (IF)	HALTO (TF) (FB) (RNP 1.00)	174.96 / 5.00	4700		
HALTO	SKIMP (RF) (FB) (RNP 1.00)	(2.49 NM RADIUS CW (CFBXX) / 2.51	4000		
(SEE FORM 8260-10)				ADDITIONAL FLIGHT DATA: HOLD SW, RT, 036.15 INBOUND. CHART: ASR. DISTANCE TO THLD FROM 370 HATH: 1.01 NM. ROUTE TYPE QUALIFIER 1: F ROUTE TYPE QUALIFIER 2: S ROUTE TYPE: A, H #TCH 1312.5 MSL (DO NOT CHART) CHART MANDATORY 6000 AT IMAGE, QWAKE. CHART MANDATORY 4000 AT FINYA, LEVEE, HUDEL. CHART MINIMUM 5000 AT CUBTU.	
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)				MAG VAR: 5E EPOCH YEAR: 2010	
2. PROFILE STARTS AT MIKEC					
3. FAC: 354.96 FAF: _____ DIST FAF TO MAP: _____ THLD: _____					
4. MIN. ALT: MIKEC 2300					
5. DIST TO THLD FROM OM: 3.10 MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____					
6. MIN GS INCPT: 2300 GS ALT AT: MIKEC 2300 OM: _____ MM: _____ IM: _____					
7. GS ANGLE: 3.00 TCH: 49.1# 34:1 IS CLEAR					
8. MSA FROM: RW35L 3800					
MINIMUMS					
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT			ALTERNATE: N A		
CATEGORY =====>			STANDARD		
A			B		
DH/MDA VIS HAT/HAA			DH/MDA VIS HAT/HAA		
DH/MDA VIS HAT/HAA			DH/MDA VIS HAT/HAA		
DH/MDA VIS HAT/HAA			DH/MDA VIS HAT/HAA		
DH/MDA VIS HAT/HAA			DH/MDA VIS HAT/HAA		
AUTHORIZATION REQUIRED					
RNP 0.30 DA	1633	3800	370	1633	3800
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -12C (11F) OR ABOVE 54C (130F). CHART NOTE: FOR INOPERATIVE MALSR, INCREASE RNP 0.30 ALL CATS VISIBILITY TO 1 1/4 MILE. CHART NOTE: GPS REQUIRED. (SEE FORM 8260-10)					
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TERMINAL ROUTES, (CONT.):

<u>FROM</u>	<u>TO</u>	<u>COURSE AND DISTANCE</u>	<u>ALTITUDE</u>
SKIMP	DUBBE (RF) (FB) (RNP 0.70)	(2.52 NM RADIUS CW (CFBTR) / 1.43	3500
FINYA (IF)	DUBBE (TF) (FB) (RNP 1.00)	265.07 / 3.01	3500
DUBBE	ARATE (TF) (FB) (RNP 0.40)	265.03 / 0.86	3500
ARATE	ENZUL (RF) (FB) (RNP 0.40)	(2.46 NM RADIUS CW (CFBTQ) / 2.27	2700
HUDEL (IF)	ENZUL (TF) (FB) (RNP 1.00)	317.87 / 5.42	2700
ENZUL	MIKEC (RF) (FB) (RNP 0.40)	(2.46 NM RADIUS CW (CFBTQ) / 1.60	2300
QWAKE (IF)	NICOM (TF) (FB) (RNP 1.00)	174.96 / 4.97	4500
NICOM	CASVA (RF) (FB) (RNP 1.00)	(2.49 NM RADIUS CCW (CFBZB) / 3.91	3500
LEVEE (IF)	CASVA (TF) (FB) (RNP 1.00)	084.94 / 3.00	3500
CASVA	MIKEC (RF) (FB) (RNP 1.00)	(2.49 NM RADIUS CCW (CFBTP) / 3.91	2300
MIKEC (FAF)	RW35L (MAP) (TF) (FO)	354.96 / 3.10	
RW35L (MAP)	2000 MSL (CA)	354.96	2000
2000 MSL	JESKE (DF) (FO)		3000

NOTES, (CONT.):

CHART PLANVIEW NOTE AT NUTRE : MAX 210 KIAS.
 CHART PLANVIEW NOTE AT IMAGE : MAX 210 KIAS.
 CHART PLANVIEW NOTE AT ARATE : MAX 210 KIAS.
 CHART PLANVIEW NOTE AT ENZUL : MAX 210 KIAS.
 CHART PLANVIEW NOTE AT QWAKE : MAX 210 KIAS.
 CHART PLANVIEW NOTE AT LEVEE : MAX 210 KIAS.
 CHART PLANVIEW NOTE ADJACENT TO IMAGE IF: RF REQUIRED.
 CHART PLANVIEW NOTE ADJACENT TO FINYA IF: RF REQUIRED.

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				AMDT: ORIG
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CHART PLANVIEW NOTE ADJACENT TO HUEL IF: RF REQUIRED.
CHART PLANVIEW NOTE ADJACENT TO QWAKE IF: RF REQUIRED.
CHART PLANVIEW NOTE ADJACENT TO LEVEE IF: RF REQUIRED.
CHART PLANVIEW NOTE AT IMAGE: (RNP 0.40).
CHART PLANVIEW NOTE AT FINYA: (RNP 0.40).
CHART PLANVIEW NOTE AT HUEL: (RNP 0.40).
CHART PLANVIEW NOTE AT FINYA: RADAR REQUIRED FOR PROCEDURE ENTRY AT FINYA.
CHART PLANVIEW NOTE AT CUBTU: RADAR REQUIRED FOR PROCEDURE ENTRY AT CUBTU.
CHART PLANVIEW NOTE AT HUEL: RADAR REQUIRED FOR PROCEDURE ENTRY AT HUEL.
CHART PROFILE NOTE: SEE PLANVIEW FOR MULTIPLE IF LOCATIONS.
CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED WITH RWY 35R.
CHART NOTE: USE OF FD OR AP PROVIDING RNAV TRACK GUIDANCE REQUIRED DURING SIMULTANEOUS OPERATIONS.

CITY AND STATE OKLAHOMA CITY, OK	ELEVATION: 1295 THRE: 1263	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (RNP) Z RWY 35L, AMDT 1 24 JULY 2014	SUP:
	AIRPORT NAME: WILL ROGERS WORLD			AMDT: ORIG
	DATED: 08/25/2011			

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[illegible][illegible]

TRM	WP	1	2	3	4	5	6	7	8	9	0	1	2	3
		SUSAP	KOKCK4CARATE	K40	W	N35171012W097331970			E0041	NAR	ARATE			
		SUSAP	KOKCK4CBRIGE	K40	C	N35172608W097362024			E0041	NAR	BRIGE			
		SUSAP	KOKCK4CCASVA	K40	W	N35170835W097392289			E0041	NAR	CASVA			
		SUSAP	KOKCK4CCFBTP	K40	A	N35193802W097392298			E0041	NAR	CNF (CFBTP)			
		SUSAP	KOKCK4CCFBTQ	K40	A	N35193823W097331964			E0041	NAR	CNF (CFBTQ)			
		SUSAP	KOKCK4CCFBTR	K40	A	N35194153W097321665			E0041	NAR	CNF (CFBTR)			
		SUSAP	KOKCK4CCFBXX	K40	A	N35194022W097321563			E0041	NAR	CNF (CFBXX)			
		SUSAP	KOKCK4CCFBZB	K40	A	N35193794W097392298			E0041	NAR	CNF (CFBZB)			
		SUSAP	KOKCK4CCUBTU	K40	C	N35095537W097361983			E0041	NAR	CUBTU			
		SUSAP	KOKCK4CDUBBE	K40	W	N35171010W097321675			E0041	NAR	DUBBE			
		SUSAP	KOKCK4CENZUL	K40	W	N35180877W097354364			E0041	NAR	ENZUL			
		SUSAP	KOKCK4CFINYA	K40	W	N35170995W097283637			E0040	NAR	FINYA			
		SUSAP	KOKCK4CHALTO	K40	W	N35194037W097291275			E0040	NAR	HALTO			
		SUSAP	KOKCK4CHUDEL	K40	W	N35134918W097314383			E0041	NAR	HUDEL			
		SUSAP	KOKCK4CIMAGE	K40	W	N35244086W097291303			E0040	NAR	IMAGE			
		SUSAP	KOKCK4CJESKE	K40	C	N35213136W097511235			E0043	NAR	JESKE			
		SUSAP	KOKCK4CLEVEE	K40	W	N35170820W097430268			E0042	NAR	LEVEE			
		SUSAP	KOKCK4CMIKEC	K40	W	N35193816W097362035			E0041	NAR	MIKEC			
		SUSAP	KOKCK4CNICOM	K40	W	N35193787W097422552			E0042	NAR	NICOM			
		SUSAP	KOKCK4CQWAKE	K40	W	N35243654W097422578			E0042	NAR	QWAKE			
		SUSAP	KOKCK4CSKIMP	K40	W	N35173379W097303744			E0040	NAR	SKIMP			

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KOKCK4FH35LZ ACUBTU 010CUBTUK4PC0E	A	IF							+ 05000	18000		A FS	
SUSAP KOKCK4FH35LZ ACUBTU 020NUTREK4EA0E	B	010TF							+ 04000	210		A-FS	
SUSAP KOKCK4FH35LZ ACUBTU 030BRIGEK4PC0E		010TF							+ 03000			A FS	
SUSAP KOKCK4FH35LZ ACUBTU 040MIKECK4PC0EE		010TF							+ 02300			A FS	
SUSAP KOKCK4FH35LZ AFINYA 010FINYAK4PC0E	B	IF							04000	18000		A FS	
SUSAP KOKCK4FH35LZ AFINYA 020DUBBEK4PC0E		010TF							+ 03500			A FS	

QUALITY
2
CHECKED

CITY AND STATE OKLAHOMA CITY, OK	ELEVATION: 1295 THRE: 1263	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (RNP) Z RWY 35L, AMDT 1 24 JULY 2014	SUP:
	AIRPORT NAME: WILL ROGERS WORLD	RNAV		AMDT: ORIG
				DATED: 08/25/2011

RNAV (RNP) STANDARD INSTRUMENT APPROACH PROCEDURE

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SUSAP	KOKCK4FH35LZ	AFINYA	030ARATEK4PC0E		041TF				+	03500		210		A-FS
SUSAP	KOKCK4FH35LZ	AFINYA	040ENZULK4PC0E	R041RF		0024602650	31790023		+	02700		210	CFBTQ	K4PCA-FS
SUSAP	KOKCK4FH35LZ	AFINYA	050MIKECK4PC0EE	R041RF		0024603179	35500016		+	02300			CFBTQ	K4PCA-FS
SUSAP	KOKCK4FH35LZ	AHUDEL	010HUDELK4PC0E	B	IF							18000		A-FS
SUSAP	KOKCK4FH35LZ	AHUDEL	020ENZULK4PC0E		010TF				+	02700		210		A-FS
SUSAP	KOKCK4FH35LZ	AHUDEL	030MIKECK4PC0EE	R041RF		0024603179	35500016		+	02300			CFBTQ	K4PCA-FS
SUSAP	KOKCK4FH35LZ	AIMAGE	010IMAGEK4PC0E	B	IF					06000		18000210		A-FS
SUSAP	KOKCK4FH35LZ	AIMAGE	020HALTOK4PC0E		010TF				+	04700				A-FS
SUSAP	KOKCK4FH35LZ	AIMAGE	030SKIMPK4PC0E	R010RF		0024901750	23250025		+	04000			CFBXX	K4PCA-FS
SUSAP	KOKCK4FH35LZ	AIMAGE	040DUBBEK4PC0E	R071RF		0025202325	26500014		+	03500			CFBTR	K4PCA-FS
SUSAP	KOKCK4FH35LZ	AIMAGE	050ARATEK4PC0E		041TF				+	03100		210		A-FS
SUSAP	KOKCK4FH35LZ	AIMAGE	060ENZULK4PC0E	R041RF		0024602650	31790023		+	02700		210	CFBTQ	K4PCA-FS
SUSAP	KOKCK4FH35LZ	AIMAGE	070MIKECK4PC0EE	R041RF		0024603179	35500016		+	02300			CFBTQ	K4PCA-FS
SUSAP	KOKCK4FH35LZ	ALEVEE	010LEVEEK4PC0E	B	IF					04000		18000210		A-FS
SUSAP	KOKCK4FH35LZ	ALEVEE	020CASVAK4PC0E		010TF				+	03500				A-FS
SUSAP	KOKCK4FH35LZ	ALEVEE	030MIKECK4PC0EE	L010RF		0024900849	35500039		+	02300			CFBTP	K4PCA-FS
SUSAP	KOKCK4FH35LZ	AQWAKE	010QWAKEK4PC0E	B	IF					06000		18000210		A-FS
SUSAP	KOKCK4FH35LZ	AQWAKE	020NICOMK4PC0E		010TF				+	04500				A-FS
SUSAP	KOKCK4FH35LZ	AQWAKE	030CASVAK4PC0E	L010RF		0024901750	08490039		+	03500			CFBZB	K4PCA-FS
SUSAP	KOKCK4FH35LZ	AQWAKE	040MIKECK4PC0EE	L010RF		0024900849	35500039		+	02300			CFBTP	K4PCA-FS
SUSAP	KOKCK4FH35LZ	H	020MIKECK4PC1E	F	IF				+	02300		18000	RW35L	K4PGA-FS
SUSAP	KOKCK4FH35LZ	H	020MIKECK4PC2W								A031			FS
SUSAP	KOKCK4FH35LZ	H	030RW35LK4PG0GY	M	031TF					01313		-300		A-FS
SUSAP	KOKCK4FH35LZ	H	040		0 M		3550		+	02000				A-FS
SUSAP	KOKCK4FH35LZ	H	050JESKEK4PC0EY	L	DF				+	03000				A-FS
SUSAP	KOKCK4FH35LZ	H	060JESKEK4PC0EE	R	HM		03620040		+	03000				A-FS

[illegible][illegible]

CITY AND STATE OKLAHOMA CITY, OK	ELEVATION: 1295 THRE: 1263 AIRPORT NAME: WILL ROGERS WORLD	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (RNP) Z RWY 35L, AMDT 1 24 JULY 2014	SUP:
				AMDT: ORIG
				DATED: 08/25/2011

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (RNP) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICES - FAR PART 97.33

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ARINC SUMMARY - 424-18 - RNAV (RNP)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	CUBTU	CUBTU	010	IAF	IF		FB				AA 05000	
	CUBTU	NUTRE	020		TF		FB	1.0			AA 04000	AB 210
	CUBTU	BRIGE	030		TF		FB	1.0			AA 03000	
	CUBTU	MIKEC	040		TF		FB	1.0			AA 02300	
	FINYA	FINYA	010		IF		FB				AT 04000	
	FINYA	DUBBE	020		TF		FB	1.0			AA 03500	
	FINYA	ARATE	030		TF		FB	0.4			AA 03500	AB 210
	FINYA	ENZUL	040		RF	R	FB	0.4		002.3	AA 02700	AB 210
	FINYA	MIKEC	050		RF	R	FB	0.4		001.6	AA 02300	
	HUDEL	HUDEL	010		IF		FB				AT 04000	
	HUDEL	ENZUL	020		TF		FB	1.0			AA 02700	AB 210
	HUDEL	MIKEC	030		RF	R	FB	0.4		001.6	AA 02300	
	IMAGE	IMAGE	010		IF		FB				AT 06000	AB 210
	IMAGE	HALTO	020		TF		FB	1.0			AA 04700	
	IMAGE	SKIMP	030		RF	R	FB	1.0		002.5	AA 04000	
	IMAGE	DUBBE	040		RF	R	FB	0.7		001.4	AA 03500	
	IMAGE	ARATE	050		TF		FB	0.4			AA 03500	AB 210
	IMAGE	ENZUL	060		RF	R	FB	0.4		002.3	AA 02700	AB 210
	IMAGE	MIKEC	070		RF	R	FB	0.4		001.6	AA 02300	
	LEVEE	LEVEE	010		IF		FB				AT 04000	AB 210
	LEVEE	CASVA	020		TF		FB	1.0			AA 03500	
	LEVEE	MIKEC	030		RF	L	FB	1.0		003.9	AA 02300	
	QWAKE	QWAKE	010		IF		FB				AT 06000	AB 210
	QWAKE	NICOM	020		TF		FB	1.0			AA 04500	
	QWAKE	CASVA	030		RF	L	FB	1.0		003.9	AA 03500	
	QWAKE	MIKEC	040		RF	L	FB	1.0		003.9	AA 02300	
		MIKEC	020	FAF	IF		FB				AA 02300	
		RW35L	030	MAP	TF		FO	0.3			AT 01313	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		355.0 (360.0T)		AA 02000	
	JESKE	050		DF	L	FO				AA 03000	
	JESKE	060		HM	R	FO		036.2 (041.2T)	004.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	NUTRE	N351325.70	W0973620.09	N3513.428	W09736.335
	ARATE	N351710.12	W0973319.70	N3517.169	W09733.328
	BRIGE	N351726.08	W0973620.24	N3517.435	W09736.337
	CASVA	N351708.35	W0973922.89	N3517.139	W09739.382
	CFBTP	N351938.02	W0973922.98	N3519.634	W09739.383

CITY AND STATE OKLAHOMA CITY, OK	ELEVATION: 1295	THRE: 1263	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (RNP) Z RWY 35L, AMDT 1 24 JULY 2014	SUP:
	AIRPORT NAME: WILL ROGERS WORLD				AMDT: ORIG
					DATED: 08/25/2011

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (RNP) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICES - FAR PART 97.33

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CFBTQ	N351938.23	W0973319.64	N3519.637	W09733.327
CFBTR	N351941.53	W0973216.65	N3519.692	W09732.278
CFBXX	N351940.22	W0973215.63	N3519.670	W09732.261
CFBZB	N351937.94	W0973922.98	N3519.632	W09739.383
CUBTU	N350955.37	W0973619.83	N3509.923	W09736.331
DUBBE	N351710.10	W0973216.75	N3517.168	W09732.279
ENZUL	N351808.77	W0973543.64	N3518.146	W09735.727
FINYA	N351709.95	W0972836.37	N3517.166	W09728.606
HALTO	N351940.37	W0972912.75	N3519.673	W09729.213
HUDEL	N351349.18	W0973143.83	N3513.820	W09731.731
IMAGE	N352440.86	W0972913.03	N3524.681	W09729.217
JESKE	N352131.36	W0975112.35	N3521.523	W09751.206
LEVEE	N351708.20	W0974302.68	N3517.137	W09743.045
MIKEC	N351938.16	W0973620.35	N3519.636	W09736.339
NICOM	N351937.87	W0974225.52	N3519.631	W09742.425
QWAKE	N352436.54	W0974225.78	N3524.609	W09742.430
SKIMP	N351733.79	W0973037.44	N3517.563	W09730.624
RW35L	N352244.50	W0973620.51	N3522.742	W09736.342

RUNWAY DATA

	THRESHOLD	
RWY	ELEVATION	TCH
RW35L	01263	49

CITY AND STATE
OKLAHOMA CITY, OK

ELEVATION: 1295 THRE: 1263
 AIRPORT NAME:
 WILL ROGERS WORLD

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
 RNAV (RNP) Z RWY 35L, AMDT 1
 24 JULY 2014

SUP:
 AMDT: ORIG
 DATED: 08/25/2011

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION		RNAV (RNP) - STANDARD, INSTRUMENT APPROACH PROCEDURE, TITLE 14 CFR PART 97.33		Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.											
TERMINAL ROUTES				MISSED APPROACH											
FROM		TO		COURSE AND DISTANCE	ALTITUDE										
JAVXE (IAF)		CROPE (TF) (FB) (RNP 1.00)		354.97 / 3.50	4000										
CROPE (IF)		CARES (TF) (FB) (RNP 1.00)		354.95 / 4.00	3000										
CARES		CARLY (TF) (FB) (RNP 1.00)		354.96 / 2.20	2300										
QWAKE (IF)		NICOM (TF) (FB) (RNP 1.00)		174.96 / 4.97	4500										
NICOM		CASVA (RF) (FB) (RNP 1.00)		(2.49 NM RADIUS CCW (CFBZB) / 3.91	3500										
(SEE FORM 8260-10)															
				RNP: DA											
				CLIMB TO 5000 ON TRACK 354.96 TO ATREC AND HOLD, CONTINUE CLIMB-IN-HOLDING TO 5000.											
				ADDITIONAL FLIGHT DATA: HOLD N, LT, 174.96 INBOUND. CHART ASR DISTANCE TO THLD FROM 276 HATH: 0.69 NM. ROUTE TYPE QUALIFIER 1: F ROUTE TYPE QUALIFIER 2: S ROUTE TYPE: A, H #TCH 1338.8 MSL (DO NOT CHART) CHART MANDATORY 4000 AT LEVEE, HUDEL, FINYA CHART MANDATORY 6000 AT QWAKE, IMAGE CHART MINIMUM 5000 AT JAVXE											
1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)															
2. PROFILE STARTS AT CARLY															
3. FAC: 354.96 FAF: DIST FAF TO MAP: THLD:															
4. MIN. ALT: CARLY 2300															
5. DIST TO THLD FROM OM: 3.02 MM: IM: 150 HAT: 100 HAT: GS ANT:															
6. MIN GS INCPT: 2300 GS ALT AT: CARLY 2300 OM: MM: IM:															
7. GS ANGLE: 3.00 TCH: 56.0# 34:1 IS CLEAR															
8. MSA FROM: RW35R 3800				MAG VAR: 5E EPOCH YEAR: 2010											
MINIMUMS															
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT			ALTERNATE: N A STANDARD												
CATEGORY ==>	A		B		C	D	E								
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
AUTHORIZATION REQUIRED															
RNP 0.16 DA	1559	2400	276	1559	2400	276	1559	2400	276	1559	2400	276			
RNP 0.30 DA	1663	3900	380	1663	3900	380	1663	3900	380	1663	3900	380			
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -12C (11F) OR ABOVE 54C (130F). CHART NOTE: FOR INOPERATIVE ALSF, INCREASE RNP 0.16 ALL CATS VISIBILITY TO RVR 4500 AND RNP 0.30 ALL CATS VISIBILITY TO 1 1/4 MILES. (SEE FORM 8260-10)															
CITY AND STATE OKLAHOMA CITY, OK		ELEVATION: 1295 THRE: 1283 AIRPORT NAME: WILL ROGERS WORLD		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (RNP) Z RWY 35R, AMDT 2 24 JULY 2014				SUP: AMDT: 1A DATED 04/05/2012					

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
**RNAV (RNP) - STANDARD,
 INSTRUMENT APPROACH PROCEDURE, - TITLE 14 CFR PART 97.33**

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TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
LEVEE (IF)	CASVA (TF) (FB) (RNP 1.00)	084.94 / 3.00	3500
CASVA	BENKE (TF) (FB) (RNP 0.30)	084.97 / 0.79	3400
BENKE	CARLY (RF) (FB) (RNP 0.30)	(2.53 NM RADIUS CCW (CFBTV) / 3.97	2300
IMAGE (IF)	HALTO (TF) (FB) (RNP 1.00)	174.96 / 5.00	4700
HALTO	SKIMP (RF) (FB) (RNP 1.00)	(2.49 NM RADIUS CW (CFBXX) / 2.51	4000
SKIMP	DUBBE (RF) (FB) (RNP 0.70)	(2.52 NM RADIUS CW (CFBTR) / 1.43	3500
FINYA (IF)	DUBBE (TF) (FB) (RNP 1.00)	265.07 / 3.01	3500
DUBBE	JEMEX (RF) (FB) (RNP 0.70)	(2.50 NM RADIUS CW (CFBTS) / 2.63	2700
HUDEL (IF)	JEMEX (TF) (FB) (RNP 1.00)	325.37 / 5.30	2700
JEMEX	CARLY (RF) (FB) (RNP 0.60)	(2.50 NM RADIUS CW (CFBTS) / 1.29	2300
CARLY (FAF)	RW35R (MAP) (TF) (FO)	354.96 / 3.02	
RW35R (MAP)	ATREC (TF) (FO) (RNP 1.00)	354.96 / 14.31	5000

NOTES, (CONT.):

CHART NOTE: GPS REQUIRED.

CHART PLANVIEW NOTE AT CROPE : MAX 210 KIAS.

CHART PLANVIEW NOTE AT QWAKE : MAX 210 KIAS.

CHART PLANVIEW NOTE AT LEVEE : MAX 210 KIAS.

CHART PLANVIEW NOTE AT IMAGE : MAX 210 KIAS.

CHART PLANVIEW NOTE AT DUBBE : MAX 210 KIAS.

CHART PLANVIEW NOTE AT JEMEX : MAX 210 KIAS.

CHART PLANVIEW NOTE ADJACENT TO QWAKE IF: RF REQUIRED.

CHART PLANVIEW NOTE ADJACENT TO LEVEE IF: RF REQUIRED.

QUALITY
2
CHECKED

CITY AND STATE

OKLAHOMA CITY, OK

ELEVATION: 1295

THRE: 1283

AIRPORT NAME:

WILL ROGERS WORLD

**FACILITY
IDENTIFIER:**
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (RNP) Z RWY 35R, AMDT 2

24 JULY 2014

SUP:

AMDT: 1A

DATED: 04/05/2012

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (RNP) - STANDARD,
INSTRUMENT APPROACH PROCEDURE, - TITLE 14 CFR PART 97.33

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CHART PLANVIEW NOTE ADJACENT TO IMAGE IF: RF REQUIRED.
CHART PLANVIEW NOTE ADJACENT TO FINYA IF: RF REQUIRED.
CHART PLANVIEW NOTE ADJACENT TO HUDEL IF: RF REQUIRED.
CHART PLANVIEW NOTE AT QWAKE: (RNP 0.30).
CHART PLANVIEW NOTE AT LEVEE: (RNP 0.30).
CHART PLANVIEW NOTE AT IMAGE: (RNP 0.60).
CHART PLANVIEW NOTE AT FINYA: (RNP 0.60).
CHART PLANVIEW NOTE AT HUDEL: (RNP 0.60).
CHART PLANVIEW NOTE AT FINYA: RADAR REQUIRED FOR PROCEDURE ENTRY AT FINYA.
CHART PLANVIEW NOTE AT JAVXE: RADAR REQUIRED FOR PROCEDURE ENTRY AT JAVXE.
CHART PLANVIEW NOTE AT HUDEL: RADAR REQUIRED FOR PROCEDURE ENTRY AT HUDEL.
CHART PROFILE NOTE: SEE PLANVIEW FOR MULTIPLE IF LOCATIONS.
CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED WITH RWY 35L.
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QUALITY
2
CHECKED

CITY AND STATE
OKLAHOMA CITY, OK

ELEVATION: 1295 THRE: 1283
AIRPORT NAME:
WILL ROGERS WORLD

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (RNP) Z RWY 35R, AMDT 2
24 JULY 2014

SUP:
AMDT: 1A
DATED: 04/05/2012

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (RNP) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICES - FAR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC PACKET - 424-18 - RNAV (RNP)

	1	2	3	4	5	6	7	8	9	0	1	2	3
AIRPORT	1234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP KOKCK4AOKC	0	098YHN35233507W097360274E005001295						1800018000C	MNAR	WILL ROGERS WORLD			

	1	2	3	4	5	6	7	8	9	0	1	2	3
TRM WP	1234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP KOKCK4CATREC K40	C	N35370152W097352085						E0041	NAR	ATREC			
SUSAP KOKCK4CBENKE K40	W	N35170837W097382507						E0041	NAR	BENKE			
SUSAP KOKCK4CCARES K40	W	N35172818W097351984						E0041	NAR	CARES			
SUSAP KOKCK4CCARLY K40	W	N35194026W097351996						E0041	NAR	CARLY			
SUSAP KOKCK4CCASVA K40	W	N35170835W097392289						E0041	NAR	CASVA			
SUSAP KOKCK4CCFBTR K40	A	N35194153W097321665						E0041	NAR	CNF (CFBTR)			
SUSAP KOKCK4CCFBTS K40	A	N35194033W097321665						E0041	NAR	CNF (CFBTS)			
SUSAP KOKCK4CCFBTV K40	A	N35194012W097382513						E0041	NAR	CNF (CFBTV)			
SUSAP KOKCK4CCFBXX K40	A	N35194022W097321563						E0041	NAR	CNF (CFBXX)			
SUSAP KOKCK4CCFBZB K40	A	N35193794W097392298						E0041	NAR	CNF (CFBZB)			
SUSAP KOKCK4CCROPE K40	C	N35132780W097351960						E0041	NAR	CROPE			
SUSAP KOKCK4CDUBBE K40	W	N35171010W097321675						E0041	NAR	DUBBE			
SUSAP KOKCK4CFINYA K40	W	N35170995W097283637						E0040	NAR	FINYA			
SUSAP KOKCK4CHALTO K40	W	N35194037W097291275						E0040	NAR	HALTO			
SUSAP KOKCK4CHUDEL K40	W	N35134918W097314383						E0041	NAR	HUDEL			
SUSAP KOKCK4CIMAGE K40	W	N35244086W097291303						E0040	NAR	IMAGE			
SUSAP KOKCK4CJAVXE K40	C	N35095747W097351947						E0041	NAR	JAVXE			
SUSAP KOKCK4CJEMEX K40	W	N35182601W097345594						E0041	NAR	JEMEX			
SUSAP KOKCK4CLEVEE K40	W	N35170820W097430268						E0042	NAR	LEVEE			
SUSAP KOKCK4CNICOM K40	W	N35193787W097422552						E0042	NAR	NICOM			
SUSAP KOKCK4CQWAKE K40	W	N35243654W097422578						E0042	NAR	QWAKE			
SUSAP KOKCK4CSKIMP K40	W	N35173379W097303744						E0040	NAR	SKIMP			

	1	2	3	4	5	6	7	8	9	0	1	2	3
SEGMENT	1234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP KOKCK4FH35RZ AFINYA 010FINYAK4PC0E	B	IF							04000	18000		A FS	
SUSAP KOKCK4FH35RZ AFINYA 020DUBBEK4PC0E		010TF							+ 03500	210		A-FS	
SUSAP KOKCK4FH35RZ AFINYA 030JEMEXK4PC0E	R071RF					0025002651	32540026		+ 02700	210		CFBTS K4PCA-FS	
SUSAP KOKCK4FH35RZ AFINYA 040CARLYK4PC0EE	R061RF					0025003254	35500013		+ 02300			CFBTS K4PCA FS	
SUSAP KOKCK4FH35RZ AHUDEL 010HUDELK4PC0E	B	IF							04000	18000		A FS	
SUSAP KOKCK4FH35RZ AHUDEL 020JEMEXK4PC0E		010TF							+ 02700	210		A-FS	
SUSAP KOKCK4FH35RZ AHUDEL 030CARLYK4PC0EE	R061RF					0025003254	35500013		+ 02300			CFBTS K4PCA FS	
SUSAP KOKCK4FH35RZ AIMAGE 010IMAGEK4PC0E	B	IF							06000	18000210		A-FS	
SUSAP KOKCK4FH35RZ AIMAGE 020HALTOK4PC0E		010TF							+ 04700			A FS	
SUSAP KOKCK4FH35RZ AIMAGE 030SKIMPK4PC0E	R010RF					0024901750	23250025		+ 04000			CFBXX K4PCA FS	

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CITY AND STATE OKLAHOMA CITY, OK	ELEVATION: 1295	THRE: 1283	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME:	WILL ROGERS WORLD	RNAV	RNAV (RNP) Z RWY 35R, AMDT 2	AMDT: 1A
				24 JULY 2014	DATED: 04/05/2012

RNAV (RNP) STANDARD INSTRUMENT APPROACH PROCEDURE

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SUSAP	KOKCK4FH35RZ	AIMAGE	040DUBBEK4PCOE	R071RF	0025202325	26510014	+	03500	210	CFBTR	K4PCA-FS
SUSAP	KOKCK4FH35RZ	AIMAGE	050JEMEXK4PCOE	R071RF	0025002651	32540026	+	02700	210	CFBTS	K4PCA-FS
SUSAP	KOKCK4FH35RZ	AIMAGE	060CARLYK4PCOEE	R061RF	0025003254	35500013	+	02300		CFBTS	K4PCA-FS
SUSAP	KOKCK4FH35RZ	AJAVXE	010JAVXEK4PCOE	A	IF		+	05000	18000		A FS
SUSAP	KOKCK4FH35RZ	AJAVXE	020CROPEK4PCOE	B	010TF		+	04000	210		A-FS
SUSAP	KOKCK4FH35RZ	AJAVXE	030CARESK4PCOE		010TF		+	03000			A FS
SUSAP	KOKCK4FH35RZ	AJAVXE	040CARLYK4PCOEE		010TF		+	02300			A FS
SUSAP	KOKCK4FH35RZ	ALEVEE	010LEVEEK4PCOE	B	IF			04000	18000210		A-FS
SUSAP	KOKCK4FH35RZ	ALEVEE	020CASVAK4PCOE		010TF		+	03500			A FS
SUSAP	KOKCK4FH35RZ	ALEVEE	030BENKEK4PCOE		031TF		+	03400			A FS
SUSAP	KOKCK4FH35RZ	ALEVEE	040CARLYK4PCOEE	L031RF	0025300850	35500040	+	02300		CFBTV	K4PCA-FS
SUSAP	KOKCK4FH35RZ	AQWAKE	010QWAKEK4PCOE	B	IF			06000	18000210		A-FS
SUSAP	KOKCK4FH35RZ	AQWAKE	020NICOMK4PCOE		010TF		+	04500			A FS
SUSAP	KOKCK4FH35RZ	AQWAKE	030CASVAK4PCOE	L010RF	0024901750	08500039	+	03500		CFBZB	K4PCA-FS
SUSAP	KOKCK4FH35RZ	AQWAKE	040BENKEK4PCOE		031TF		+	03400			A FS
SUSAP	KOKCK4FH35RZ	AQWAKE	050CARLYK4PCOEE	L031RF	0025300850	35500040	+	02300		CFBTV	K4PCA-FS
SUSAP	KOKCK4FH35RZ	H	020CARLYK4PC1E	F	IF		+	02300	18000	RW35R	K4PGA FS
SUSAP	KOKCK4FH35RZ	H	020CARLYK4PC2W						A031A162		FS
SUSAP	KOKCK4FH35RZ	H	030RW35RK4PG0GY	M	031TF			01339	-300		A FS
SUSAP	KOKCK4FH35RZ	H	040ATRECK4PC0EYM		010TF		+	05000			A FS
SUSAP	KOKCK4FH35RZ	H	050ATRECK4PC0EE	L	HM	17500050	+	05000			A FS

[illegible][illegible]

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	AIRPORT NAME: WILL ROGERS WORLD	RNAV	RNAV (RNP) Z RWY 35R, AMDT 2	AMDT: 1A
			24 JULY 2014	DATED: 04/05/2012

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (RNP) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICES - FAR PART 97.33

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ARINC SUMMARY - 424-18 - RNAV (RNP)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	FINYA	FINYA	010		IF		FB				AT 04000	
	FINYA	DUBBE	020		TF		FB	1.0			AA 03500	AB 210
	FINYA	JEMEX	030		RF	R	FB	0.7		002.6	AA 02700	AB 210
	FINYA	CARLY	040		RF	R	FB	0.6		001.3	AA 02300	
	HUDEL	HUDEL	010		IF		FB				AT 04000	
	HUDEL	JEMEX	020		TF		FB	1.0			AA 02700	AB 210
	HUDEL	CARLY	030		RF	R	FB	0.6		001.3	AA 02300	
	IMAGE	IMAGE	010		IF		FB				AT 06000	AB 210
	IMAGE	HALTO	020		TF		FB	1.0			AA 04700	
	IMAGE	SKIMP	030		RF	R	FB	1.0		002.5	AA 04000	
	IMAGE	DUBBE	040		RF	R	FB	0.7		001.4	AA 03500	AB 210
	IMAGE	JEMEX	050		RF	R	FB	0.7		002.6	AA 02700	AB 210
	IMAGE	CARLY	060		RF	R	FB	0.6		001.3	AA 02300	
	JAVXE	JAVXE	010	IAF	IF		FB				AA 05000	
	JAVXE	CROPE	020		TF		FB	1.0			AA 04000	AB 210
	JAVXE	CARES	030		TF		FB	1.0			AA 03000	
	JAVXE	CARLY	040		TF		FB	1.0			AA 02300	
	LEVEE	LEVEE	010		IF		FB				AT 04000	AB 210
	LEVEE	CASVA	020		TF		FB	1.0			AA 03500	
	LEVEE	BENKE	030		TF		FB	0.3			AA 03400	
	LEVEE	CARLY	040		RF	L	FB	0.3		004.0	AA 02300	
	QWAKE	QWAKE	010		IF		FB				AT 06000	AB 210
	QWAKE	NICOM	020		TF		FB	1.0			AA 04500	
	QWAKE	CASVA	030		RF	L	FB	1.0		003.9	AA 03500	
	QWAKE	BENKE	040		TF		FB	0.3			AA 03400	
	QWAKE	CARLY	050		RF	L	FB	0.3		004.0	AA 02300	
		CARLY	020	FAF	IF		FB				AA 02300	
		RW35R	030	MAP	TF		FO	0.3			AT 01339	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	ATREC	040		TF		FO	1.0			AA 05000	
	ATREC	050		HM	L	FO		175.0 (180.0T)	005.0	AA 05000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	ATREC	N353701.52	W0973520.85	N3537.025	W09735.348
	BENKE	N351708.37	W0973825.07	N3517.140	W09738.418
	CARES	N351728.18	W0973519.84	N3517.470	W09735.331
	CARLY	N351940.26	W0973519.96	N3519.671	W09735.333
	CASVA	N351708.35	W0973922.89	N3517.139	W09739.382
	CFBTR	N351941.53	W0973216.65	N3519.692	W09732.278

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				AMDT: 1A
				DATED: 04/05/2012

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RNAV (RNP) STANDARD INSTRUMENT APPROACH PROCEDURE
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CFBTS	N351940.33	W0973216.65	N3519.672	W09732.278
CFBTV	N351940.12	W0973825.13	N3519.669	W09738.419
CFBXX	N351940.22	W0973215.63	N3519.670	W09732.261
CFBZB	N351937.94	W0973922.98	N3519.632	W09739.383
CROPE	N351327.80	W0973519.60	N3513.463	W09735.327
DUBBE	N351710.10	W0973216.75	N3517.168	W09732.279
FINYA	N351709.95	W0972836.37	N3517.166	W09728.606
HALTO	N351940.37	W0972912.75	N3519.673	W09729.213
HUDEL	N351349.18	W0973143.83	N3513.820	W09731.731
IMAGE	N352440.86	W0972913.03	N3524.681	W09729.217
JAVXE	N350957.47	W0973519.47	N3509.958	W09735.325
JEMEX	N351826.01	W0973455.94	N3518.434	W09734.932
LEVEE	N351708.20	W0974302.68	N3517.137	W09743.045
NICOM	N351937.87	W0974225.52	N3519.631	W09742.425
QWAKE	N352436.54	W0974225.78	N3524.609	W09742.430
SKIMP	N351733.79	W0973037.44	N3517.563	W09730.624
RW35R	N352241.64	W0973520.11	N3522.694	W09735.335

RUNWAY DATA

RWY	THRESHOLD ELEVATION	TCH
RW35R	01283	56

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CITY AND STATE OKLAHOMA CITY, OK	ELEVATION: 1295 THRE: 1283	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (RNP) Z RWY 35R, AMDT 2 24 JULY 2014	SUP:
	AIRPORT NAME: WILL ROGERS WORLD			AMDT: 1A
				DATED: 04/05/2012

U.S. DEPARTMENT OF TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION
TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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City, State	Airport	Effective Date	Amdt. No.
OKLAHOMA CITY, OK	WILL ROGERS WORLD	24 JULY 2014	2

TAKEOFF MINIMUMS:

STANDARD.

TEXTUAL DEPARTURE PROCEDURES:

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 35L, POST 48 FT FROM DER, 495 FT LEFT OF CENTERLINE, 8 FT AGL/1287 FT MSL.

NOTE: RWY 36, OBSTRUCTION LIGHT ON WINDSOCK 674 FT FROM DER, 152 FT LEFT OF CENTERLINE, 25 FT AGL/1295 FT MSL.

CONTROLLING OBSTACLES:

QUALITY
CHECKED
DATE

U.S. DEPARTMENT OF TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION
TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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City, State	Airport	Effective Date	Amdt. No.
OKLAHOMA CITY, OK	WILL ROGERS WORLD	24 JULY 2014	2

REMARKS:

FLIGHT INSPECTED BY:

EW
Elizabeth Whaley

3-10-14

REQUIRED EFFECTIVE DATE:

ROUTINE

DEVELOPED BY:

SN
STEVEN NELSON

AJV-353

07/16/2013

APPROVED BY:

DM
DEBORAH COPELAND,
MANAGER

AJV-353

JUN 12 2014

COORDINATED WITH:

ALPA, AOPA, NBAA, ATA, APA, ZFW ARTCC, OKC APP CON, OKC ATCT, AMGR

CHANGES:

1. DELETED RWY 35R TEXTUAL DEPARTURE PROCEDURE AND OBSTACLE MANDATING ODP ROUTE DEVELOPMENT.
2. UPDATED TAKEOFF OBSTACLE NOTES.

REASONS:

- 1 – 2. UTILIZED CURRENT OBSTACLE DATA. OBSTACLE THE TEXTUAL DEPARTURE PROCEDURE WAS BASED ON WAS A PROPOSED OBSTACLE THAT DID NOT GET BUILT TO THE PROPOSED HEIGHT. 1A SURVEY ATTACHED TO 2012-ASW-4580-OE.



US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION		ILS - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.29		Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.											
TERMINAL ROUTES				MISSED APPROACH											
FROM	TO	COURSE AND DISTANCE	ALTITUDE	ILS: DA LOC: 7.56 MILES AFTER TIVNE INT/RADAR											
				CLIMB TO 1100 THEN CLIMBING RIGHT TURN TO 3000 ON HEADING 087 AND ON RAV VORTAC R-193 TO BAARN INT/RAV 15.71 DME AND HOLD, OR AS DIRECTED BY ATC.											
				ALTERNATE MA: CLIMB TO 1100 THEN CLIMBING LEFT TURN TO 3000 ON HEADING 077 AND ON HAR VORTAC R-102 TO BAARN INT/HAR 21.05 DME AND HOLD											
				ADDITIONAL FLIGHT DATA: HOLD SE, RT, 314.06 INBOUND. CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD E BAARN INT/HAR 21.05 DME, RT, 281.61 INBOUND. CHART FAS OBST: 690 TREE 401214N/0765307W 779 AAO 401133.00N/0765524.00W CHART HARRISBURG INTL AIRPORT. CHART CIRCLING ICON CHART IN PLANVIEW (CFDRR) AT 400911.48N/0770546.88W											
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. HOLD W TIVNE, RT, 082.19 INBOUND, 3000 FT. IN LIEU OF PT (IAF) 3. FAC: <u>082.19</u> FAF: <u>TIVNE INT/RADAR</u> DIST FAF TO MAP: <u>7.56</u> THLD: <u>7.56</u> 4. MIN. ALT: <u>TIVNE INT/RADAR 2800, HORVI INT/RADAR 1340*</u> 5. DIST TO THLD FROM OM: <u> </u> MM: <u> </u> IM: <u> </u> 150 HAT: <u> </u> 100 HAT: <u> </u> GS ANT: <u>1071</u> 6. MIN GS INCPT: <u>2800</u> GS ALT AT: <u>TIVNE 2800</u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u>3.00</u> TCH: <u>58.3</u> 8. MSA FROM: <u>HAR VORTAC 3600</u>															
				MAG VAR: 11W EPOCH YEAR: 1995											
MINIMUMS															
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE: N A											
				ILS: #											
				LOC: @											
CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
S-ILS 8	834	1 1/4	492	834	1 1/4	492	834	1 1/4	492	834	1 1/4	492			
S-LOC 8	1340	1	1005	1340	1	1005	1340	2 1/2	1005	1340	2 1/2	1005			
CIRCLING	1340	1 1/4	993	1700	1 1/2	1353	1700	3	1353	1700	3	1353			
HORVI FIX MINIMUMS															
S-LOC 8	940	1	605	940	1	605	940	1 3/8	605	940	1 3/8	605			
CIRCLING	1200	1 1/4	853	1700	1 1/2	1353	1700	3	1353	1700	3	1353			
NOTES: CHART PLANVIEW NOTE: RADAR REQUIRED. *LOC ONLY CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE HARRISBURG INTL ALTIMETER SETTING.															
# CAT A 1000-2, CAT B 1400-2, CAT C, D 1400-3 @ CAT A 1000-2, CAT B 1400-2, CAT C, D 1400-3 # @ NA WHEN LOCAL WEATHER NOT AVAILABLE. # @ NA WHEN CONTROL TOWER CLOSED.															
(SEE FORM 8260-10)															
CITY AND STATE HARRISBURG, PA		ELEVATION: 347 TDZE: 342 AIRPORT NAME: CAPITAL CITY		FACILITY IDENTIFIER: I-CXY		PROCEDURE NO./AMD'T NO./EFFECTIVE DATE: ILS OR LOC RWY 8, AMDT 12 24 JULY 2014						SUP: AMD'T: 11 DATED 11/20/2008			

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.29

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NOTES, (CONT.):

CHART NOTE: FOR INOPERATIVE MALSR, INCREASE S-ILS-8 ALL CATS VISIBILITY TO 1 3/4 MILE AND S-LOC-8 CAT A AND HORVI FIX MINIMUMS CAT A AND B VISIBILITY TO 1 MILE.

CHART NOTE: NIGHT LANDING RWY 12, 30 NA.

CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.

CITY AND STATE
HARRISBURG, PA

ELEVATION: 347 TDZE: 342
AIRPORT NAME:
CAPITAL CITY

FACILITY
IDENTIFIER:
I-CXY

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
ILS OR LOC RWY 8, AMDT 12
24 JULY 2014

SUP:
AMDT: 11
DATED: 11/20/2008

FLIGHT STANDARDS SERVICES - FAR PART 97.29

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[illegible][illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KCXYK6F108	ATIVNE	010TIVNEK6PCOE	AR	HF	RAV K6	231102960822T010D	+	03000	18000		0	NS
SUSAP	KCXYK6F108	I	010CFDRRK6PCOE	I	IF	ICXYK6	26220125	PI	J	030000280018000		0	NS
SUSAP	KCXYK6F108	I	020TIVNEK6PCOE	F	CF	ICXYK6	2622008508200040PI	H	0280002800		-300HAR	K6D	0 NS
SUSAP	KCXYK6F108	I	030RW08 K6PGOGY	M	CF	ICXYK6	2622000908200076PI		00393		-300		0 NS
SUSAP	KCXYK6F108	I	040	0 M	CA		0822	+	01100				0 NS
SUSAP	KCXYK6F108	I	050	0	VI		0870						0 NS
SUSAP	KCXYK6F108	I	060BAARNK6EA0EY		CF	RAV K6	1930015701300030D	+	03000				0 NS
SUSAP	KCXYK6F108	I	070BAARNK6EA0EE	R	HM		3141T010	+	03000				0 NS

[illegible][illegible]

DATED: 11/20/2008

FLIGHT STANDARDS SERVICES - FAR PART 97.29

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

[illegible]

SUP:	
AMDT:	11
DATED:	11/20/2008

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - FAR PART 97.29

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - 424-18 - ILS

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	TIVNE	TIVNE	010	IAF	HF	R	FO		082.2 ()	T01.0	AA 03000	
		CFDRR	010	FACF	IF		FB				AA 03000 GI 02800	
		TIVNE	020	FAF	CF		FB		082.0 ()	004.0	GI 02800 GS 02800	
		RW08	030	MAP	CF		FO		082.0 ()	007.6	AT 00393	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		082.2 ()		AA 01100	
		050		VI		FB		087.0 ()			
	BAARN	060		CF		FO		013.0 ()	003.0	AA 03000	
	BAARN	070		HM	R	FO		314.1 ()	T01.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	HAR	N401808.06	W0770410.41	N4018.134	W07704.174
	RAV	N403312.21	W0763557.77	N4033.204	W07635.963
	BAARN	N401729.35	W0763640.78	N4017.489	W07636.680
	CFDRR	N400911.48	W0770546.88	N4009.191	W07705.781
	TIVNE	N401029.42	W0770050.77	N4010.490	W07700.846
	RW08	N401256.13	W0765130.74	N4012.936	W07651.512
	ICXY (LOC)	N401313.47	W0765024.26	N4013.225	W07650.404

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW08	00335	58

CITY AND STATE
HARRISBURG, PA

ELEVATION: 347 TDZE: 342
AIRPORT NAME:
CAPITAL CITY

FACILITY
IDENTIFIER:
I-CXY

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
ILS OR LOC RWY 8, AMDT 12
24 JULY 2014

SUP:
AMDT: 11
DATED: 11/20/2008

FLIGHT STANDARDS SERVICES - FAR PART 97.25

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

[illegible][illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KCXYK6FL08	ATIVNE	010TIVNEK6PC0EE	AR	HF	RAV K6	231102960822T010D	+	03000	18000			0	NS
SUSAP KCXYK6FL08	L	010CFDRRK6PC0E	I	IF	ICXYK6	26220125	PI	+	03000	18000		0	NS
SUSAP KCXYK6FL08	L	020TIVNEK6PC0E	F	CF	ICXYK6	2622008508200040PI	+	02800			HAR	K6D	0 NS
SUSAP KCXYK6FL08	L	021HORVIK6PC0E	S	CF	ICXYK6	2622003908200046PI	+	01340		-301		0	NS
SUSAP KCXYK6FL08	L	030RW08 K6PG0GY	M	CF	ICXYK6	2622000908200030PI				-301		0	NS
SUSAP KCXYK6FL08	L	040	0 M	CA		0822	+	01100				0	NS
SUSAP KCXYK6FL08	L	050	0	VI		0870						0	NS
SUSAP KCXYK6FL08	L	060BAARNK6EA0EY		CF	RAV K6	1930015701300030D	+	03000				0	NS
SUSAP KCXYK6FL08	L	070BAARNK6EA0EE	R	HM		3141T010	+	03000				0	NS

[illegible][illegible]

ELEVATION: 347	TDZE: 342
AIRPORT NAME:	CAPITAL CITY

FACILITY
IDENTIFIER:
I-CXY

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
ILS OR LOC RWY 8, AMDT 12
 24 JULY 2014

SUP:	
AMDT:	11
DATED:	11/20/2008

FLIGHT STANDARDS SERVICES - FAR PART 97.25

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

[illegible]

SUP:	
AMDT:	11
DATED:	11/20/2008

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

LOC STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - FAR PART 97.25

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - 424-18 - LOC

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	TIVNE	TIVNE	010	IAF	HF	R	FO		082.2()	T01.0	AA 03000	
		CFDRR	010	FACF	IF		FB				AA 03000	
		TIVNE	020	FAF	CF		FB		082.0()	004.0	AA 02800	
		HORVI	021	SDF	CF		FB		082.0()	004.6	AA 01340	
		RW08	030	MAP	CF		FO		082.0()	003.0	AT 00393	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		082.2()		AA 01100	
		050		VI		FB		087.0()			
	BAARN	060		CF		FO		013.0()	003.0	AA 03000	
	BAARN	070		HM	R	FO		314.1()	T01.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	HAR	N401808.06	W0770410.41	N4018.134	W07704.174
	RAV	N403312.21	W0763557.77	N4033.204	W07635.963
	BAARN	N401729.35	W0763640.78	N4017.489	W07636.680
	CFDRR	N400911.48	W0770546.88	N4009.191	W07705.781
	HORVI	N401157.99	W0765513.11	N4011.967	W07655.219
	TIVNE	N401029.42	W0770050.77	N4010.490	W07700.846
	RW08	N401256.13	W0765130.74	N4012.936	W07651.512
	ICXY (LOC)	N401313.47	W0765024.26	N4013.225	W07650.404

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW08	00335	58

CITY AND STATE
HARRISBURG, PA

ELEVATION: 347 TDZE: 342
AIRPORT NAME:
CAPITAL CITY

FACILITY
IDENTIFIER:
I-CXY

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
ILS OR LOC RWY 8, AMDT 12
24 JULY 2014

SUP:
AMDT: 11
DATED: 11/20/2008

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION		RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33		Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.											
TERMINAL ROUTES				MISSED APPROACH											
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LPV: DA LNAV: RW08 CLIMB TO 3000 DIRECT DAPNY AND ON TRACK 074.45 TO BAARN AND HOLD. ADDITIONAL FLIGHT DATA: HOLD SE, RT, 314.06 INBOUND. CHART FAS OBST: 705 TREE 401200N/0765319W 779 AAO 401133N/0765524W DISTANCE TO THLD FROM 498 HATH: 1.38 NM. WAAS CHANNEL # 70610 REFERENCE PATH ID: W08A CHART CIRCLING ICON CHART IN PLANVIEW HARRISBURG INTL AIRPORT LTP HAE: 67.7 M											
JUVUS (IF)	TIVNE (FB)	082.00 / 6.85	2800												
TIVNE (FAF)	HORVI/3.00 NM TO RW08 (FB)	082.09 / 4.56													
HORVI/3.00 NM TO RW08	RW08 (MAP) (FO)	082.09 / 3.00													
RW08 (MAP)	747 MSL	082.09													
747 MSL	DAPNY (FB)														
DAPNY	BAARN (FO)	074.45 / 5.58	3000												
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. PROFILE STARTS AT JUVUS 3. FAC: 082.09 FAF: TIVNE DIST FAF TO MAP: 7.56 THLD: 7.56 4. MIN. ALT: JUVUS 3100, TIVNE 2800, HORVI/3.00 NM TO RW08 1340* 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 2800 GS ALT AT: TIVNE 2800 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 58.3 34:1 IS NOT CLEAR 8. MSA FROM: RW08 3400				MAG VAR: 11W EPOCH YEAR: 1995											
MINIMUMS															
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE: N A @											
CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	833	1 1/4	491	833	1 1/4	491	833	1 1/4	491	833	1 1/4	491			
LNAV MDA	960	1	625	960	1	625	960	1 3/8	625	960	1 3/8	625			
CIRCLING	1200	1 1/4	853	1700	1 1/2	1353	1700	3	1353	1700	3	1353			
NOTES: CHART NOTE: DME/DME RNP-0.3 NA. CHART PLANVIEW NOTE: RADAR REQUIRED. *LNAV ONLY CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE HARRISBURG INTL ALTIMETER SETTING. (SEE FORM 8260-10)															
CITY AND STATE		ELEVATION: 347 TDZE: 342		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:					
HARRISBURG, PA		AIRPORT NAME:		CAPITAL CITY		RNAV (GPS) RWY 8, AMDT 1 24 JULY 2014				AMDT: ORIG					
										DATED		11/20/2008			

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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NOTES, (CONT.):

CHART NOTE: FOR INOPERATIVE MALSR, INCREASE LPV ALL CATS VISIBILITY TO 1 5/8 MILE AND INCREASE LNAV CAT C, D VISIBILITY TO 1 3/4 MILE.

CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.

CHART NOTE: PROCEDURE NA AT NIGHT

CITY AND STATE
HARRISBURG, PA

ELEVATION: 347 TDZE: 342
AIRPORT NAME:
CAPITAL CITY

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 8, AMDT 1
24 JULY 2014

SUP:
AMDT: ORIG
DATED: 11/20/2008

RNAV STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

FAS DATA BLOCK INFORMATIONDATA FIELDDATA

OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KCXY
RUNWAY	RW08
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W08A
LTP/FTP LATITUDE	401256.1290N
LTP/FTP LONGITUDE	0765130.7440W
LTP/FTP ELLIPSOIDAL HEIGHT	+00677
FPAP LATITUDE	401324.8600N
FPAP LONGITUDE	0764940.6300W
THRESHOLD CROSSING HEIGHT (TCH)	00058.3
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1224
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER

97ECD92F

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+01020
FPAP ORTHOMETRIC HEIGHT	+01020

CITY AND STATE

HARRISBURG, PA

ELEVATION: 347

TDZE: 342

AIRPORT NAME:

CAPITAL CITY

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 8, AMDT 1

24 JULY 2014

SUP:

AMDT: ORIG

DATED: 11/20/2008

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KCXYK6FR08	R	010JUVUSK6EA0E	I	IF				+ 03100	18000			A JS	
SUSAP KCXYK6FR08	R	020TIVNEK6EA1E	F	051TF			08200069	+ 02800			RW08	K6PGA JS	
SUSAP KCXYK6FR08	R	020TIVNEK6EA2WALPV			N	ALNAV						JS	
SUSAP KCXYK6FR08	R	021HORVIK6EA0E	S	031TF			08210046	V	0134001348		-300	A JS	
SUSAP KCXYK6FR08	R	030RW08 K6PG0GY	M	031TF			08210030		00393		-300	A JS	
SUSAP KCXYK6FR08	R	040	0	M	CA		0821	+ 00747				A JS	
SUSAP KCXYK6FR08	R	050DAPNYK6EA0E		DF								A JS	
SUSAP KCXYK6FR08	R	060BAARNK6EA0EY		010TF			0745	+ 03000				A JS	
SUSAP KCXYK6FR08	R	070BAARNK6EA0EE	R	HM			31410040	+ 03000				A JS	

[illegible][illegible][illegible]

CITY AND STATE HARRISBURG, PA	ELEVATION: 347	TDZE: 342	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME:	CAPITAL CITY	RNAV	RNAV (GPS) RWY 8, AMDT 1	AMDT: ORIG
				24 JULY 2014	DATED: 11/20/2008

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICES - FAR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		JUVUS	010	FACF	IF		FB				AA 03100	
		TIVNE	020	FAF	TF		FB	0.5	082.0 (071.0T)	006.9	AA 02800	
		HORVI	021	SDF	TF		FB	0.3	082.1 (071.1T)	004.6	AA 01340 GS 01348	
		RW08	030	MAP	TF		FO	0.3	082.1 (071.1T)	003.0	AT 00393	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		082.1 (071.1T)		AA 00747	
	DAPNY	050		DF		FB					
	BAARN	060		TF		FO	1.0	074.5 (063.5T)		AA 03000	
	BAARN	070		HM	R	FO		314.1 (303.1T)	004.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	BAARN	N401729.35	W0763640.78	N4017.489	W07636.680
	DAPNY	N401505.18	W0764315.20	N4015.086	W07643.253
	HORVI	N401157.99	W0765513.11	N4011.967	W07655.219
	JUVUS	N400815.82	W0770917.75	N4008.264	W07709.296
	TIVNE	N401029.42	W0770050.77	N4010.490	W07700.846
	RW08	N401256.13	W0765130.74	N4012.936	W07651.512

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW08	00335	58

CITY AND STATE
HARRISBURG, PA

ELEVATION: 347 TDZE: 342
 AIRPORT NAME:
 CAPITAL CITY

FACILITY IDENTIFIER:
 RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
 RNAV (GPS) RWY 8, AMDT 1
 24 JULY 2014

SUP:
 AMDT: ORIG
 DATED: 11/20/2008

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION VOR STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.23										Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.														
TERMINAL ROUTES										MISSED APPROACH														
FROM			TO			COURSE AND DISTANCE				ALTITUDE		MAP: 1.14 MILES AFTER ALD VOR OR AT (CFFJN) FIX												
												CLIMB TO 1300 THEN CLIMBING LEFT TURN TO 2000 DIRECT ALD VOR AND HOLD.												
												ADDITIONAL FLIGHT DATA: HOLD NW, LT, 140.00 INBOUND. CHART FAS OBST: 289 TREE 330047N/0811648W CHART CIRCLING ICON. FAC CROSSES APPROACH END RWY 35												
1. PT <u>R</u> SIDE OF COURSE <u>320.00</u> OUTBOUND <u>2100</u> FT WITHIN <u>10</u> MILES OF <u>ALD VOR</u> (IAF) 2. _____ 3. FAC <u>140.00</u> FAF ALD VOR _____ DIST FAF TO MAP <u>1.14</u> THLD _____ 4. MIN. ALT ALD VOR <u>1300</u> 8. MSA FROM: ALD VOR <u>2100</u>															MAG VAR: 1W					EPOCH YEAR: 1965				
MINIMUMS																								
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT										ALTERNATE: N A					@STANDARD									
CATEGORY =====>		A			B			C			D			E										
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA									
CIRCLING	860	1	698	860	1	698		NA			NA													
NOTES:																								
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE AUGUSTA RGNL AT BUSH FIELD ALTIMETER SETTING. @ NA WHEN LOCAL WEATHER NOT AVAILABLE.																								
CITY AND STATE		ELEVATION: 162		TDZE:		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP VOR OR GPS-A												
ALLENDALE, SC		AIRPORT NAME:		ALLENDALE COUNTY		ALD		VOR-A, AMDT 6 24 JULY 2014				AMDT 5B												
												DATE 05/03/2012												



US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

**RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.33**

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TERMINAL ROUTES				MISSED APPROACH								
FROM	TO	COURSE AND DISTANCE	ALTITUDE									
SYI VOR/DME (IAF)	JASOP (FB)	326.26 / 26.40	3000	LPV: DA LNAV/VNAV: DA LNAV: RW02C								
TUNGY (IAF)	JASOP (FB)	054.64 / 18.04	3000									
JASOP (IF)	GRRTH (FB)	020.94 / 6.10	2500	CLIMB TO 4000 DIRECT GUYEK AND ON TRACK 018.90 TO HIKRY AND HOLD, CONTINUE CLIMB-IN-HOLD TO 4000.								
GRRTH (FAF)	JOSRO/2.50 NM TO RW02C (FB)	020.96 / 3.28										
JOSRO/2.50 NM TO RW02C	RW02C (MAP) (FO)	020.96 / 2.50		ADDITIONAL FLIGHT DATA: HOLD N, RT, 200.69 INBOUND. CHART FAS OBST: 749 TREES 360408N/0864233W CHART 789 TREES 360330N/0864208W. DISTANCE TO THLD FROM 200 HAT: 0.43 NM. CHART VDP AT 1.14 MILES TO RW02C* *LNAV ONLY. CHART CIRCLING ICON. WAAS CHANNEL # 70613 REFERENCE PATH ID: W02B LTP HAE: 144.3 M								
RW02C (MAP)	769 MSL	020.96										
769 MSL	GUYEK (FB)											
GUYEK	HIKRY (FO)	018.90 / 7.27	4000									
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. PROFILE STARTS AT JASOP 3. FAC: 020.96 FAF: GRRTH DIST FAF TO MAP: 5.78 THLD: 5.78 4. MIN. ALT: JASOP 3000, GRRTH 2500, JOSRO/2.50 NM TO RW02C 1420* 5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT: 6. MIN GS INCPT: 2500 GS ALT AT: GRRTH 2500 OM: MM: IM: 7. GS ANGLE: 3.00 TCH: 60.4 34:1 IS CLEAR 8. MSA FROM: RW02C 3100				MAG VAR: 3W EPOCH YEAR: 2010								
MINIMUMS												
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE: N A		STANDARD @						
CATEGORY =====>	A		B		C		D		E			
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	769	2400	200	769	2400	200	769	2400	200	769	2400	200
LNAV/VNAV DA	1041	5400	472	1041	5400	472	1041	5400	472	1041	5400	472
LNAV MDA	1000	2400	431	1000	2400	431	1000	4000	431	1000	4000	431
CIRCLING	1100	1	501	1120	1	521	1200	1 3/4	601	1380	2 1/2	781
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -11C (13F) OR ABOVE 54C (130F). @ CAT D 800-2 1/2 CHART NOTE: FOR INOPERATIVE MALS, INCREASE LNAV/VNAV ALL CATS VISIBILITY TO 1 1/2. CHART NOTE: DME/DME RNP-0.3 NA. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON SYI VOR/DME AIRWAY RADIALS 273 CW 046. (SEE FORM 8260-10)												
CITY AND STATE		ELEVATION: 599 THRE: 569		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:		SUP:				
NASHVILLE, TN		AIRPORT NAME: NASHVILLE INTL				RNAV (GPS) Y RWY 2C, AMDT 1B 24 JULY 2014		AMDT: 1A				
								DATED 04/05/2012				

QUALITY
2
CHECKED

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

NOTES, (CONT.):

CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED WITH RWY 2R.

CHART NOTE: LNAV PROCEDURE NA DURING SIMULTANEOUS OPERATIONS.

CHART NOTE: USE OF FD OR AP PROVIDING RNAV TRACK GUIDANCE REQUIRED DURING SIMULTANEOUS OPERATIONS.

QUALITY
2
CHECKED

CITY AND STATE NASHVILLE, TN	ELEVATION: 599 THRE: 569 AIRPORT NAME: NASHVILLE INTL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) Y RWY 2C, AMDT 1B 24 JULY 2014	SUP:
				AMDT: 1A
				DATED: 04/05/2012

**RNAV STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

FAS DATA BLOCK INFORMATION**DATA FIELD****DATA**

OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KBNA
RUNWAY	RW02C
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	Y
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W02B
LTP/FTP LATITUDE	360611.9910N
LTP/FTP LONGITUDE	0864116.6595W
LTP/FTP ELLIPSOIDAL HEIGHT	+01443
FPAP LATITUDE	360736.8595N
FPAP LONGITUDE	0864042.7085W
THRESHOLD CROSSING HEIGHT (TCH)	00060.4
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0312
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0

CRC REMAINDER

345DC768

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+01734
FPAP ORTHOMETRIC HEIGHT	+01734

QUALITY
2
CHECKED

CITY AND STATE

NASHVILLE, TN

ELEVATION: 599

THRE: 569

AIRPORT NAME:

NASHVILLE INTL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) Y RWY 2C, AMDT 1B

24 JULY 2014

SUP:

AMDT: 1A

DATED: 04/05/2012

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

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ARINC PACKET - 424-18 - RNAV (GPS)

[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KBN	AK7FR02CY	ASYI	010SYI	K7D 0V	A	IF			18000		A	JS
SUSAP	KBN	AK7FR02CY	ASYI	020JASOPK7EA0EE	B	010TF		32630264	+ 03000			A	JS
SUSAP	KBN	AK7FR02CY	ATUNGY	010TUNGYK7EA0E	A	IF				18000		A	JS
SUSAP	KBN	AK7FR02CY	ATUNGY	020JASOPK7EA0EE	B	010TF		05460180	+ 03000			A	JS
SUSAP	KBN	AK7FR02CY	R	010JASOPK7EA0E	I	IF			+ 03000	18000		A	JS
SUSAP	KBN	AK7FR02CY	R	020GRRTHK7EA1E	F	051TF		02090061	+ 02500		RW02C	K7PGA	JS
SUSAP	KBN	AK7FR02CY	R	020GRRTHK7EA2WALPV			ALNAV/VNAV						JS
SUSAP	KBN	AK7FR02CY	R	021JOSROK7EA0E	S	031TF		02100033	V	0142001438	-300	A	JS
SUSAP	KBN	AK7FR02CY	R	030RW02CK7PG0GY	M	031TF		02100025		00629	-300	A	JS
SUSAP	KBN	AK7FR02CY	R	040	0	M	CA	0210	+ 00769			A	JS
SUSAP	KBN	AK7FR02CY	R	050GUYEKK7EA0E		DF						A	JS
SUSAP	KBN	AK7FR02CY	R	060HIKRYK7EA0EY		010TF		0189	+ 04000			A	JS
SUSAP	KBN	AK7FR02CY	R	070HIKRYK7EA0EE	R	HM		20070040	+ 04000			A	JS

[illegible][illegible]

CITY AND STATE
NASHVILLE, TN

ELEVATION: 599	THRE: 569
AIRPORT NAME: NASHVILLE INTL	

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
RNAV (GPS) Y RWY 2C, AMDT 1B
 24 JULY 2014

SUP:	
AMDT:	1A
DATED:	04/05/2012

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

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SUSAP KBNAK7PR02CY RW02C001Y0000W02B0N3606119910W08641166595+014430300N3607368595W08640427085106750312000604F400350345DC768
SUSAP KBNAK7PR02CY RW02C002E +01734+01734LPV 70613

[illegible]

CITY AND STATE
NASHVILLE, TN

ELEVATION: 599	THRE: 569
AIRPORT NAME:	NASHVILLE INTL

FACILITY
IDENTIFIER:
| RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
RNAV (GPS) Y RWY 2C, AMDT 1B
 24 JULY 2014

SUP:	
AMDT:	1A
DATED:	04/05/2012

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICES - FAR PART 97.33

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ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	SYI	SYI	010	IAF	IF		FB					
	SYI	JASOP	020		TF		FB	1.0	326.3 (323.3T)	026.4	AA 03000	
	TUNGY	TUNGY	010	IAF	IF		FB					
	TUNGY	JASOP	020		TF		FB	1.0	054.6 (051.6T)	018.0	AA 03000	
		JASOP	010	FACF	IF		FB				AA 03000	
		GRRTH	020	FAF	TF		FB	0.5	020.9 (017.9T)	006.1	AA 02500	
		JOSRO	021	SDF	TF		FB	0.3	021.0 (018.0T)	003.3	AA 01420 GS 01438	
		RW02C	030	MAP	TF		FO	0.3	021.0 (018.0T)	002.5	AT 00629	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		021.0 (018.0T)		AA 00769	
	GUYEK	050		DF		FB					
	HIKRY	060		TF		FO	1.0	018.9 (015.9T)		AA 04000	
	HIKRY	070		HM	R	FO		200.7 (197.7T)	004.0	AA 04000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	SYI	N353343.12	W0862620.95	N3533.719	W08626.349
	GRRTH	N360041.57	W0864328.64	N3600.693	W08643.477
	GUYEK	N361128.65	W0863909.84	N3611.478	W08639.164
	HIKRY	N361828.81	W0863642.00	N3618.480	W08636.700
	JASOP	N355452.93	W0864547.54	N3554.882	W08645.792
	JOSRO	N360349.11	W0864213.77	N3603.819	W08642.230
	TUNGY	N354341.50	W0870312.21	N3543.692	W08703.204
	RW02C	N360611.99	W0864116.66	N3606.200	W08641.278

RUNWAY DATA	THRESHOLD	ELEVATION	TCH
RWY			
RW02C	00569		60

CITY AND STATE NASHVILLE, TN	ELEVATION: 599	THRE: 569	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) Y RWY 2C, AMDT 1B 24 JULY 2014	SUP:
	AIRPORT NAME: NASHVILLE INTL				AMDT: 1A
					DATED: 04/05/2012

QUALITY
SERVICE

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION				RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.									
TERMINAL ROUTES										MISSED APPROACH							
FROM		TO		COURSE AND DISTANCE			ALTITUDE		LPV: DA LNAV/VNAV: DA LNAV: RW02 CLIMB TO 2000 DIRECT IMASE AND HOLD. ADDITIONAL FLIGHT DATA: HOLD NE, LT, 202.50 INBOUND. FAS OBST: 359 AAO 372650N/0772128W DISTANCE TO THLD FROM 296 HATH: 0.77 NM. CHART VDP AT 1.29 MILES TO RW02* *LNAV ONLY. WAAS CHANNEL # 72716 REFERENCE PATH ID: W02A CHART CIRCLING ICON. LTP HAE: 15.1 M								
HPW VORTAC		FEMAP (FB)		246.27 / 9.39			2000										
FAK VORTAC		MATOX (FB)		143.78 / 21.28			2600										
FEMAP (IAF)		CASEE (FB)		312.49 / 6.20			2000										
MATOX (IAF)		CASEE (FB)		085.85 / 6.09			2000										
CASEE (IF)		JESTY (FB)		022.42 / 6.56			2000										
JESTY (FAF)		RW02 (MAP) (FO)		022.44 / 5.63													
RW02 (MAP)		455 MSL		022.44													
455 MSL		IMASE (FO)					2000										
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. PROFILE STARTS AT CASEE <u> </u> 3. FAC: <u>022.44</u> FAF: JESTY <u> </u> DIST FAF TO MAP: <u>5.63</u> THLD: <u>5.63</u> 4. MIN. ALT: CASEE 2000, JESTY 2000 5. DIST TO THLD FROM OM: <u> </u> MM: <u> </u> IM: <u> </u> 150 HAT: <u> </u> 100 HAT: <u> </u> GS ANT: <u> </u> 6. MIN GS INCPT: <u>2000</u> GS ALT AT: JESTY 2000 <u> </u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u>3.00</u> TCH: <u>49.7</u> 34:1 IS NOT CLEAR 8. MSA FROM: RW02 2600										MAG VAR: 9W						EPOCH YEAR: 1985	
MINIMUMS																	
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT							ALTERNATE: N A		STANDARD								
CATEGORY =====>		A			B			C			D			E			
		DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	
LPV DA		455	3/4	296	455	3/4	296	455	3/4	296	455	3/4	296				
LNAV/VNAV DA		566	7/8	407	566	7/8	407	566	7/8	407	566	7/8	407				
LNAV MDA		620	3/4	461	620	3/4	461	620	1	461	620	1	461				
CIRCLING																	
		660	1	493	660	1	493	740	1 1/2	573	740	2	573				
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -11C (13F) OR ABOVE 54C (130F). CHART NOTE: DME/DME RNP-0.3 NA. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT MATOX ON V157 SOUTHWEST BOUND. (SEE FORM 8260-10)																	
CITY AND STATE		ELEVATION: 167			THRE: 159			FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP: RNAV (GPS) RWY 2			
RICHMOND, VA		AIRPORT NAME:			RICHMOND INTL			RNAV		RNAV (GPS) Z RWY 2, AMDT 1A				AMDT: 1			
										24 JULY 2014				DATED 03/10/2011			

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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NOTES, (CONT.):

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON HPW VORTAC AIRWAY RADIALS 178 CW 323.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON FAK VORTAC AIRWAY RADIALS 100 CW 220.

CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 MILE NOT AUTHORIZED.

CITY AND STATE
RICHMOND, VA

ELEVATION: 167 THRE: 159
AIRPORT NAME:
RICHMOND INTL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) Z RWY 2, AMDT 1A
24 JULY 2014

SUP: RNAV (GPS) RWY 2
AMDT: 1
DATED: 03/10/2011

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33

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FAS DATA BLOCK INFORMATION

DATA FIELD

DATA

OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KRIC
RUNWAY	RW02
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	Z
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W02A
LTP/FTP LATITUDE	372955.9450N
LTP/FTP LONGITUDE	0771946.7665W
LTP/FTP ELLIPSOIDAL HEIGHT	+00151
FPAP LATITUDE	373122.7000N
FPAP LONGITUDE	0771920.6900W
THRESHOLD CROSSING HEIGHT (TCH)	00049.7
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0736
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER

82E0DDBB

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+00483
FPAP ORTHOMETRIC HEIGHT	+00483

CITY AND STATE
RICHMOND, VA

ELEVATION: 167 THRE: 159
AIRPORT NAME:
RICHMOND INTL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) Z RWY 2, AMDT 1A
24 JULY 2014

SUP: RNAV (GPS) RWY 2
AMDT: 1
DATED: 03/10/2011

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KRICK6FR02-Z	AFK	010FAK	K6D	0V	IF				18000		A	JS
SUSAP	KRICK6FR02-Z	AFK	020MATOKK6EA0E	A	020TF		14380213	+	02600			A	JS
SUSAP	KRICK6FR02-Z	AFK	030CASEEK6EA0EE	B	010TF		08590061	+	02000			A	JS
SUSAP	KRICK6FR02-Z	AHPW	010HPW	K6D	0V	IF				18000		A	JS
SUSAP	KRICK6FR02-Z	AHPW	020FEMAPK6EA0E	A	020TF		24630094	+	02000			A	JS
SUSAP	KRICK6FR02-Z	AHPW	030CASEEK6EA0EE	B	010TF		31250062	+	02000			A	JS
SUSAP	KRICK6FR02-Z	AMATOK	010MATOKK6EA0E	A	IF					18000		A	JS
SUSAP	KRICK6FR02-Z	AMATOK	020CASEEK6EA0EE	B	010TF		08590061	+	02000			A	JS
SUSAP	KRICK6FR02-Z	R	010CASEEK6EA0E	I	IF			+	02000	18000		A	JS
SUSAP	KRICK6FR02-Z	R	020JESTYK6EA1E	F	051TF		02240066	+	02000		RW02	K6PGA	JS
SUSAP	KRICK6FR02-Z	R	020JESTYK6EA2WALPV			ALNAV/VNAV	ALNAV						JS
SUSAP	KRICK6FR02-Z	R	030RW02	K6PGOGY	M	031TF	02240056		00208	-300		A	JS
SUSAP	KRICK6FR02-Z	R	040		M	CA	0224	+	00455			A	JS
SUSAP	KRICK6FR02-Z	R	050IMASEK6EA0EY		DF			+	02000			A	JS
SUSAP	KRICK6FR02-Z	R	060IMASEK6EA0EE	L	HM		20250040	+	02000			A	JS

[illegible]

CITY AND STATE RICHMOND, VA	ELEVATION: 167 THRE: 159 AIRPORT NAME: RICHMOND INTL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) Z RWY 2, AMDT 1A 24 JULY 2014	SUP: RNAV (GPS) RWY 2
				AMDT: 1
				DATED: 03/10/2011

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
 FLIGHT STANDARDS SERVICES - FAR PART 97.33

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	1	2	3	4	5	6	7	8	9	0	1	2	3
PP	12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												

	SUSAP KRICK6PR02-Z RW02 001Z0000W02A0N3729559450W07719467665+001510300N3731227000W07719206900106750736000497F40050082E0DDBB												
	SUSAP KRICK6PR02-Z RW02 002E +00483+00483LPV 72716												

	1	2	3	4	5	6	7	8	9	0	1	2	3
MSA	12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												

	SUSAP KRICK6SRW02 K6PG 0 18018002625 M												

CITY AND STATE
 RICHMOND, VA

ELEVATION: 167 THRE: 159
 AIRPORT NAME:
 RICHMOND INTL

FACILITY
 IDENTIFIER:
 RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
 RNAV (GPS) Z RWY 2, AMDT 1A
 24 JULY 2014

SUP: RNAV (GPS) RWY 2
 AMDT: 1
 DATED: 03/10/2011

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICES - FAR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
FAK		FAK	010		IF		FB					
FAK		MATOX	020	IAF	TF		FB	2.0	143.8 (134.8T)	021.3	AA 02600	
FAK		CASEE	030		TF		FB	1.0	085.9 (076.9T)	006.1	AA 02000	
HPW		HPW	010		IF		FB					
HPW		FEMAP	020	IAF	TF		FB	2.0	246.3 (237.3T)	009.4	AA 02000	
HPW		CASEE	030		TF		FB	1.0	312.5 (303.5T)	006.2	AA 02000	
MATOX		MATOX	010	IAF	IF		FB					
MATOX		CASEE	020		TF		FB	1.0	085.9 (076.9T)	006.1	AA 02000	
		CASEE	010	FACF	IF		FB				AA 02000	
		JESTY	020	FAF	TF		FB	0.5	022.4 (013.4T)	006.6	AA 02000	
		RW02	030	MAP	TF		FO	0.3	022.4 (013.4T)	005.6	AT 00208	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		022.4 (013.4T)		AA 00455	
	IMASE	050		DF		FO				AA 02000	
	IMASE	060		HM	L	FO		202.5 (193.5T)	004.0	AA 02000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	FAK	N373142.63	W0774941.59	N3731.711	W07749.693
	HPW	N371943.93	W0770657.40	N3719.732	W07706.957
	CASEE	N371803.72	W0772320.14	N3718.062	W07723.336
	FEMAP	N371438.40	W0771651.28	N3714.640	W07716.855
	IMASE	N374112.82	W0771622.80	N3741.214	W07716.380
	JESTY	N372427.24	W0772125.39	N3724.454	W07721.423
	MATOX	N371640.74	W0773046.05	N3716.679	W07730.768
	RW02	N372955.95	W0771946.77	N3729.933	W07719.780

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW02	00159	50

CITY AND STATE
RICHMOND, VA

ELEVATION: **167** THRE: **159**
 AIRPORT NAME:
RICHMOND INTL

FACILITY IDENTIFIER:
RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
RNAV (GPS) Z RWY 2, AMDT 1A
24 JULY 2014

SUP: **RNAV (GPS) RWY 2**
 AMDT: **1**
 DATED: **03/10/2011**

PAGE 1 OF 6 PAGES

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
GORDD/2.20 NM TO RW16	RW16 (MAP) (FO)	156.41 / 2.20	
RW16 (MAP)	367 MSL	156.41	
367 MSL	HAGLI (FO)		2500

NOTES, (CONT.):

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON FAK VORTAC AIRWAY RADIALS 338 CW 100.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT EPICS ON V376 NORTHBOUND.

CITY AND STATE
 RICHMOND, VA

ELEVATION: 167 THRE: 167
 AIRPORT NAME:
 RICHMOND INTL

FACILITY
 IDENTIFIER:
 RNAV

PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:
 RNAV (GPS) Z RWY 16, AMDT 1A
 24 JULY 2014

SUP: RNAV (GPS) RWY 16
 AMDT: 1
 DATED: 03/10/2011

RNAV STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33

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FAS DATA BLOCK INFORMATIONDATA FIELDDATA

OPERATION TYPE 0
SBAS SERVICE PROVIDER IDENTIFIER 0
AIRPORT IDENTIFIER KRIC
RUNWAY RW16
APPROACH PERFORMANCE DESIGNATOR 0
ROUTE INDICATOR Z
REFERENCE PATH DATA SELECTOR 0
REFERENCE PATH IDENTIFIER (APPROACH ID) W16A
LTP/FTP LATITUDE 373059.8915N
LTP/FTP LONGITUDE 0771924.8790W
LTP/FTP ELLIPSOIDAL HEIGHT +00176
FPAP LATITUDE 372944.6855N
FPAP LONGITUDE 0771824.6560W
THRESHOLD CROSSING HEIGHT (TCH) 00054.4
TCH UNITS SELECTOR (METERS OR FEET USED) F
GLIDEPATH ANGLE (GPA) 03.00
COURSE WIDTH AT THRESHOLD 106.75
LENGTH OFFSET 0008
HORIZONTAL ALERT LIMIT (HAL) 40.0
VERTICAL ALERT LIMIT (VAL) 35.0

CRC REMAINDER

07268D41

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K6
LTP ORTHOMETRIC HEIGHT +00509
FPAP ORTHOMETRIC HEIGHT +00509

CITY AND STATE
RICHMOND, VA

ELEVATION: 167 THRE: 167
AIRPORT NAME:
RICHMOND INTL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) Z RWY 16, AMDT 1A
24 JULY 2014

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[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KRICK6FR16-Z	AEPICS	010EPICSK6EA0E	IF						18000		A JS	
SUSAP	KRICK6FR16-Z	AEPICS	020HIBOMK6EA0E	A 020TF		27610064		+ 03000				A JS	
SUSAP	KRICK6FR16-Z	AEPICS	030IFPIGK6EA0EE	B 010TF		22650060		+ 03000				A JS	
SUSAP	KRICK6FR16-Z	AFAK	010FAK K6D 0V	IF						18000		A JS	
SUSAP	KRICK6FR16-Z	AFAK	020WAKALK6EA0E	A 020TF		06140152		+ 03000				A JS	
SUSAP	KRICK6FR16-Z	AFAK	030IFPIGK6EA0EE	B 010TF		08630050		+ 03000				A JS	
SUSAP	KRICK6FR16-Z	R	010IFPIGK6EA0E	I IF						18000		A JS	
SUSAP	KRICK6FR16-Z	R	020FIBUGK6EA1E	F 051TF		15640060		+ 02500			RW16 K6PGA	JS	
SUSAP	KRICK6FR16-Z	R	020FIBUGK6EA2WALPV		ALNAV/VNAV	ALNAV						JS	
SUSAP	KRICK6FR16-Z	R	021GORDDK6EA0E	S 031TF		15640050		V 0092000922		-300		A JS	
SUSAP	KRICK6FR16-Z	R	030RW16 K6PGOGY	M 031TF		15640022		00221		-300		A JS	
SUSAP	KRICK6FR16-Z	R	040	0 M CA		1564		+ 00367				A JS	
SUSAP	KRICK6FR16-Z	R	050HAGLIK6EA0EY	DF				+ 02500				A JS	
SUSAP	KRICK6FR16-Z	R	060HAGLIK6EA0EE	R HM		33650060		+ 02500				A JS	

[illegible]

CITY AND STATE RICHMOND, VA	ELEVATION: 167 THRE: 167	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP: RNAV (GPS) RWY 16
	AIRPORT NAME: RICHMOND INTL		RNAV (GPS) Z RWY 16, AMDT 1A	AMDT: 1
		RNAV	24 JULY 2014	DATED: 03/10/2011

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[illegible]

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICES - FAR PART 97.33

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ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	EPICS	EPICS	010		IF		FB					
	EPICS	HIBOM	020	IAF	TF		FB	2.0	276.1 (267.1T)	006.4	AA 03000	
	EPICS	IFPIG	030		TF		FB	1.0	226.5 (217.5T)	006.0	AA 03000	
	FAK	FAK	010		IF		FB					
	FAK	WAKAL	020	IAF	TF		FB	2.0	061.4 (052.4T)	015.2	AA 03000	
	FAK	IFPIG	030		TF		FB	1.0	086.3 (077.3T)	005.0	AA 03000	
		IFPIG	010	FACF	IF		FB				AA 03000	
		FIBUG	020	FAF	TF		FB	0.5	156.4 (147.4T)	006.0	AA 02500	
		GORDD	021	SDF	TF		FB	0.3	156.4 (147.4T)	005.0	AA 00920	GS 00922
		RW16	030	MAP	TF		FO	0.3	156.4 (147.4T)	002.2	AT 00221	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		156.4 (147.4T)		AA 00367	
	HAGLI	050		DF		FO				AA 02500	
	HAGLI	060		HM	R	FO		336.5 (327.5T)	006.0	AA 02500	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	FAK	N373142.63	W0774941.59	N3731.711	W07749.693
	EPICS	N374712.26	W0771541.98	N3747.204	W07715.700
	FIBUG	N373702.13	W0772415.52	N3737.036	W07724.259
	GORDD	N373251.29	W0772054.16	N3732.855	W07720.903
	HAGLI	N372044.23	W0771113.06	N3720.737	W07711.218
	HIBOM	N374652.68	W0772344.58	N3746.878	W07723.743
	IFPIG	N374206.49	W0772820.45	N3742.108	W07728.341
	WAKAL	N374100.66	W0773429.23	N3741.011	W07734.487
	RW16	N373059.89	W0771924.88	N3730.998	W07719.415

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW16	00167	54

CITY AND STATE
RICHMOND, VA

ELEVATION: **167** **THRE: 167**
 AIRPORT NAME:
RICHMOND INTL

FACILITY
 IDENTIFIER:
RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
RNAV (GPS) Z RWY 16, AMDT 1A
 24 JULY 2014

SUP: **RNAV (GPS) RWY 16**
 AMDT: **1**
 DATED: **03/10/2011**

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.											
US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION															
TERMINAL ROUTES				MISSED APPROACH											
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LPV: DA LNAV/VNAV: DA LNAV: RW20 CLIMB TO 2000 DIRECT CASEE AND HOLD. ADDITIONAL FLIGHT DATA: HOLD S, RT, 022.42 INBOUND. FAS OBST: 401 AAO 373600N/0771915W CHART HANOVER CO AIRPORT (KOFB). DISTANCE TO THLD FROM 280 HAT: 0.72 NM. CHART VDP AT 1.46 MILES TO RW20* *LNAV ONLY. WAAS CHANNEL # 69320 REFERENCE PATH ID: W20A CHART CIRCLING ICON. LTP HAE: 17.1 M											
HPW VORTAC	BAYLY (FB)	012.92 / 19.78	2000												
FAK VORTAC	TRUIT (FB)	065.54 / 21.21	2000												
BAYLY (IAF)	IMASE (FB)	290.11 / 9.00	2000												
TRUIT (IAF)	IMASE (FB)	112.89 / 9.00	2000												
EPICS (IAF)	IMASE (FB)	194.16 / 6.01	2000												
IMASE (IF)	FOBON (FB)	202.50 / 4.89	2000												
FOBON (FAF)	RW20 (MAP) (FO)	202.49 / 5.61													
(SEE FORM 8260-10)															
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF)				MAG VAR: 9W EPOCH YEAR: 1985											
2. PROFILE STARTS AT IMASE															
3. FAC: 202.49 FAF: FOBON DIST FAF TO MAP: 5.61 THLD: 5.61															
4. MIN. ALT: IMASE 2000, FOBON 2000															
5. DIST TO THLD FROM OM: <u> </u> MM: <u> </u> IM: <u> </u> 150 HAT: <u> </u> 100 HAT: <u> </u> GS ANT: <u> </u>															
6. MIN GS INCPT: 2000 GS ALT AT: FOBON 2000 OM: <u> </u> MM: <u> </u> IM: <u> </u>															
7. GS ANGLE: 3.00 TCH: 49.0 34:1 IS NOT CLEAR															
8. MSA FROM: RW20 2600															
MINIMUMS															
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE: N A		STANDARD									
CATEGORY ==>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	445	7/8	280	445	7/8	280	445	7/8	280	445	7/8	280			
LNAV/VNAV DA	603	1 1/2	438	603	1 1/2	438	603	1 1/2	438	603	1 1/2	438			
LNAV MDA	680	1	515	680	1	515	680	1 3/8	515	680	1 3/8	515			
CIRCLING	680	1	513	680	1	513	740	1 1/2	573	740	2	573			
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -11C (13F) OR ABOVE 54C (130F). CHART NOTE: DME/DME RNP-0.3 NA. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT EPICS ON V376 NORTHBOUND. (SEE FORM 8260-10)															
CITY AND STATE		ELEVATION: 167 THRE: 165		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP: RNAV (GPS) RWY 20					
RICHMOND, VA		AIRPORT NAME: RICHMOND INTL				RNAV (GPS) Z RWY 20, AMDT 2 24 JULY 2014				AMDT: 1					
										DATED 03/10/2011					

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
RW20 (MAP)	445 MSL	202.49	
445 MSL	CASEE (FO)		2000

NOTES, (CONT.):

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON HPW VORTAC AIRWAY RADIALS 323 CW 025.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON FAK VORTAC AIRWAY RADIALS 338 CW 100.

CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.

CITY AND STATE
RICHMOND, VA

ELEVATION: 167 THRE: 165
AIRPORT NAME:
RICHMOND INTL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) Z RWY 20, AMDT 2
24 JULY 2014

SUP: RNAV (GPS) RWY 20
AMDT: 1
DATED: 03/10/2011

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33

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FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KRIC
RUNWAY	RW20
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	Z
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W20A
LTP/FTP LATITUDE	373059.4705N
LTP/FTP LONGITUDE	0771927.6795W
LTP/FTP ELLIPSOIDAL HEIGHT	+00171
FPAP LATITUDE	372932.7200N
FPAP LONGITUDE	0771953.7600W
THRESHOLD CROSSING HEIGHT (TCH)	00049.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0736
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER E70419BD

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+00504
FPAP ORTHOMETRIC HEIGHT	+00504

CITY AND STATE
RICHMOND, VA

ELEVATION: 167 THRE: 165
AIRPORT NAME:
RICHMOND INTL

FACILITY
IDENTIFIER:
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PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) Z RWY 20, AMDT 2
24 JULY 2014

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[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KRICK6FR20-Z AEPICS	010EPICSK6EA0E	A	IF							18000		A JS	
SUSAP KRICK6FR20-Z AEPICS	020IMASEK6EA0EE	B	010TF			19420060		+ 02000				A JS	
SUSAP KRICK6FR20-Z AFAK	010PAK K6D 0V		IF							18000		A JS	
SUSAP KRICK6FR20-Z AFAK	020TRUITK6EA0E	A	020TF			06550212		+ 02000				A JS	
SUSAP KRICK6FR20-Z AFAK	030IMASEK6EA0EE	B	010TF			11290090		+ 02000				A JS	
SUSAP KRICK6FR20-Z AHPW	010HPW K6D 0V		IF							18000		A JS	
SUSAP KRICK6FR20-Z AHPW	020BAYLYK6EA0E	A	020TF			01290198		+ 02000				A JS	
SUSAP KRICK6FR20-Z AHPW	030IMASEK6EA0EE	B	010TF			29010090		+ 02000				A JS	
SUSAP KRICK6FR20-Z R	010IMASEK6EA0E	I	IF					+ 02000		18000		A JS	
SUSAP KRICK6FR20-Z R	020FOBONK6EA1E	F	051TF			20250049		+ 02000			RW20	K6PGA	JS
SUSAP KRICK6FR20-Z R	020FOBONK6EA2WALPV			ALNAV/VNAV	ALNAV								JS
SUSAP KRICK6FR20-Z R	030RW20 K6PG0GY	M	031TF			20250056		00214		-300		A JS	
SUSAP KRICK6FR20-Z R	040		0 M	CA		2025		+ 00445				A JS	
SUSAP KRICK6FR20-Z R	050CASEEK6EA0EY		DF					+ 02000				A JS	
SUSAP KRICK6FR20-Z R	060CASEEK6EA0EE	R	HM			02240040		+ 02000				A JS	

[illegible]

CITY AND STATE RICHMOND, VA	ELEVATION: 167 THRE: 165	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP: RNAV (GPS) RWY 20
	AIRPORT NAME: RICHMOND INTL		RNAV (GPS) Z RWY 20, AMDT 2	AMDT: 1
		RNAV	24 JULY 2014	DATED: 03/10/2011

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
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	1	2	3	4	5	6	7	8	9	0	1	2	3
PP	1234567890123456789012345678901234567890123456789012345678901234567890123456789012												

	SUSAP KRICK6PR20-Z RW20 00120000W20A0N3730594705W07719276795+001710300N3729327200W07719537600106750736000490F400500E70419BD												
	SUSAP KRICK6PR20-Z RW20 002E +00504+00504LPV 69320												

MSA	1234567890123456789012345678901234567890123456789012345678901234567890123456789012												

	SUSAP KRICK6SRW20 K6PG 0 18018002625												M

CITY AND STATE
RICHMOND, VA

ELEVATION: 167 THRE: 165
AIRPORT NAME:
RICHMOND INTL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
RNAV (GPS) Z RWY 20, AMDT 2
24 JULY 2014

SUP: RNAV (GPS) RWY 20
AMDT: 1
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U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICES - FAR PART 97.33

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ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	EPICS	EPICS	010	IAF	IF		FB					
	EPICS	IMASE	020		TF		FB	1.0	194.2 (185.2T)	006.0	AA 02000	
	FAK	FAK	010		IF		FB					
	FAK	TRUIT	020	IAF	TF		FB	2.0	065.5 (056.5T)	021.2	AA 02000	
	FAK	IMASE	030		TF		FB	1.0	112.9 (103.9T)	009.0	AA 02000	
	HPW	HPW	010		IF		FB					
	HPW	BAYLY	020	IAF	TF		FB	2.0	012.9 (003.9T)	019.8	AA 02000	
	HPW	IMASE	030		TF		FB	1.0	290.1 (281.1T)	009.0	AA 02000	
		IMASE	010	FACF	IF		FB				AA 02000	
		POBON	020	FAF	TF		FB	0.5	202.5 (193.5T)	004.9	AA 02000	
		RW20	030	MAP	TF		FO	0.3	202.5 (193.5T)	005.6	AT 00214	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		202.5 (193.5T)		AA 00445	
	CASEE	050		DF		FO				AA 02000	
	CASEE	060		HM	R	FO		022.4 (013.4T)	004.0	AA 02000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	FAK	N373142.63	W0774941.59	N3731.711	W07749.693
	HPW	N371943.93	W0770657.40	N3719.732	W07706.957
	BAYLY	N373929.14	W0770515.27	N3739.486	W07705.255
	CASEE	N371803.72	W0772320.14	N3718.062	W07723.336
	EPICS	N374712.26	W0771541.98	N3747.204	W07715.700
	POBON	N373627.06	W0771749.05	N3736.451	W07717.818
	IMASE	N374112.82	W0771622.80	N3741.214	W07716.380
	TRUIT	N374323.10	W0772723.21	N3743.385	W07727.387
	RW20	N373059.47	W0771927.68	N3730.991	W07719.461

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW20	00165	49

CITY AND STATE RICHMOND, VA	ELEVATION: 167	THRE: 165	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP: RNAV (GPS) RWY 20
	AIRPORT NAME:			RNAV (GPS) Z RWY 20, AMDT 2	AMDT: 1
	RICHMOND INTL	RNAV	24 JULY 2014	DATED: 03/10/2011	

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
RW34 (MAP)	361 MSL	336.50	
361 MSL	IFPIG (FO)		2500

NOTES, (CONT.):

CHART NOTE: FOR INOPERATIVE ALSF, INCREASE LNAV/VNAV ALL CATS VISIBILITY TO 1 1/4 MILE AND LNAV CATS C AND D VISIBILITY TO RVR 5500.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON FAK VORTAC AIRWAY RADIALS 100 CW 220.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON HPW VORTAC AIRWAY RADIALS 205 CW 323.

CITY AND STATE
RICHMOND, VA

ELEVATION: 167 THRE: 161
AIRPORT NAME:
RICHMOND INTL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) Z RWY 34, AMDT 1A
24 JULY 2014

SUP: RNAV (GPS) RWY 34
AMDT: 1
DATED: 03/10/2011

RNAV STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33

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FAS DATA BLOCK INFORMATIONDATA FIELDDATA

OPERATION TYPE 0
SBAS SERVICE PROVIDER IDENTIFIER 0
AIRPORT IDENTIFIER KRIC
RUNWAY RW34
APPROACH PERFORMANCE DESIGNATOR 0
ROUTE INDICATOR Z
REFERENCE PATH DATA SELECTOR 0
REFERENCE PATH IDENTIFIER (APPROACH ID) W34A
LTP/FTP LATITUDE 372944.8560N
LTP/FTP LONGITUDE 0771824.7870W
LTP/FTP ELLIPSOIDAL HEIGHT +00157
FPAP LATITUDE 373100.0630N
FPAP LONGITUDE 0771925.0095W
THRESHOLD CROSSING HEIGHT (TCH) 00054.4
TCH UNITS SELECTOR (METERS OR FEET USED) F
GLIDEPATH ANGLE (GPA) 03.00
COURSE WIDTH AT THRESHOLD 106.75
LENGTH OFFSET 0008
HORIZONTAL ALERT LIMIT (HAL) 40.0
VERTICAL ALERT LIMIT (VAL) 35.0

CRC REMAINDER

D7747877

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K6
LTP ORTHOMETRIC HEIGHT +00490
FPAP ORTHOMETRIC HEIGHT +00490

CITY AND STATE

RICHMOND, VA

ELEVATION: 167

THRE: 161

AIRPORT NAME:

RICHMOND INTL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) Z RWY 34, AMDT 1A

24 JULY 2014

SUP: RNAV (GPS) RWY 34

AMDT: 1

DATED: 03/10/2011

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[illegible][illegible][illegible][illegible][illegible][illegible]

CITY AND STATE RICHMOND, VA	ELEVATION: 167 THRE: 161 AIRPORT NAME: RICHMOND INTL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) Z RWY 34, AMDT 1A 24 JULY 2014	SUP: RNAV (GPS) RWY 34
				AMDT: 1
				DATED: 03/10/2011

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICES - FAR PART 97.33

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SUSAP KRICK6PR34-Z RW34 001Z0000W34A0N3729448560W07718247870+001570300N3731000630W07719250095106750008000544F400350D7747877
SUSAP KRICK6PR34-Z RW34 002E +00490+00490LPV 97520 ,

	1	2	3	4	5	6	7	8	9	0	1	2	3
MSA	12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												

	SUSAP KRICK6SRW34 K6PG			0	18018002625								M



CITY AND STATE
RICHMOND, VA

ELEVATION: 167 THRE: 161
AIRPORT NAME:
RICHMOND INTL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
RNAV (GPS) Z RWY 34, AMDT 1A
24 JULY 2014

SUP: RNAV (GPS) RWY 34
AMDT: 1
DATED: 03/10/2011

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICES - FAR PART 97.33

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ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	FAK	FAK	010		IF		FB					
	FAK	IGANE	020	IAF	TF		FB	2.0	132.7 (123.7T)	031.1	AA 03000	
	FAK	HAGLI	030		TF		FB	1.0	046.5 (037.5T)	008.0	AA 02500	
	HPW	HPW	010	IAF	IF		FB					
	HPW	HAGLI	020		TF		FB	1.0	295.5 (286.5T)	003.5	AA 02500	
		HAGLI	010	FACF	IF		FB				AA 02500	
		JOMUS	020	FAF	TF		FB	0.5	336.5 (327.5T)	006.0	AA 01700	
		YUTUP	021	SDF	TF		FB	0.3	336.5 (327.5T)	003.3	AA 00660	GS 00661
		RW34	030	MAP	TF		FO	0.3	336.5 (327.5T)	001.4	AT 00215	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		336.5 (327.5T)		AA 00361	
	IFPIG	050		DF		FO				AA 02500	
	IFPIG	060		HM	L	FO		156.4 (147.4T)	006.0	AA 02500	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	FAK	N373142.63	W0774941.59	N3731.711	W07749.693
	HPW	N371943.93	W0770657.40	N3719.732	W07706.957
	HAGLI	N372044.23	W0771113.06	N3720.737	W07711.218
	IFPIG	N374206.49	W0772820.45	N3742.108	W07728.341
	IGANE	N371423.00	W0771719.33	N3714.383	W07717.322
	JOMUS	N372548.64	W0771515.90	N3725.811	W07715.265
	YUTUP	N372833.95	W0771728.04	N3728.566	W07717.467
	RW34	N372944.86	W0771824.79	N3729.748	W07718.413

RUNWAY DATA	THRESHOLD	ELEVATION	TCH
RWY			
RW34	00161		54

CITY AND STATE RICHMOND, VA	ELEVATION: 167	THRE: 161	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP: RNAV (GPS) RWY 34
	AIRPORT NAME:	RICHMOND INTL	RNAV	RNAV (GPS) Z RWY 34, AMDT 1A	AMDT: 1
				24 JULY 2014	DATED: 03/10/2011

RNAV (RNP) - STANDARD, INSTRUMENT APPROACH PROCEDURE, TITLE 14 CFR PART 97.33				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.															
TERMINAL ROUTES				MISSED APPROACH															
FROM	TO			COURSE AND DISTANCE				ALTITUDE				RNP: DA CLIMB TO 2100 ON TRACK 022.47 TO IMASE AND HOLD. ADDITIONAL FLIGHT DATA: HOLD NE, LT, 202.50 INBOUND. DISTANCE TO THLD FROM 328 HATH: 0.88 NM. CHART MANDATORY 4000 AT BEKKY. CHART MANDATORY 3000 AT EEMIL. CHART MANDATORY 4000 AT DUCXS. ROUTE TYPE QUALIFIER 1:F ROUTE TYPE: A,H ROUTE TYPE QUALIFIER 2:S # TCH 208.3 MSL (DO NOT CHART) CHART AT OR ABOVE 2000 AT CASEE.							
CASEE (IF)	LJAAY (TF) (FB) (RNP 1.00)			022.42 / 5.76				2000											
LJAAY	FISSR (TF) (FB) (RNP 1.00)			022.44 / 3.01				1300											
DUXCS (IAF)	EMWHY (TF) (FB) (RNP 1.00)			113.01 / 9.07				3000											
EMWHY (IF)	EAARL (TF) (FB) (RNP 1.00)			113.12 / 3.10				2300											
BEKKY (IF)	ACILI (TF) (FB) (RNP 1.00)			202.41 / 3.16				3200											
(SEE FORM 8260-10)																			
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. PROFILE STARTS AT FISSR _____ 3. FAC: 022.45 FAF: _____ DIST FAF TO MAP: _____ THLD: _____ 4. MIN. ALT: FISSR 1300 _____ 5. DIST TO THLD FROM OM: 3.43 MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 1300 GS ALT AT: FISSR 1300 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 49.7# 34:1 IS NOT CLEAR 8. MSA FROM: RW02 2600																MAG VAR: 9W EPOCH YEAR: 1985			
MINIMUMS																			
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT								ALTERNATE: N A		STANDARD									
CATEGORY =====>	A			B			C			D			E						
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA				
AUTHORIZATION REQUIRED																			
RNP 0.11 DA	487	3/4	328	487	3/4	328	487	3/4	328	487	3/4	328							
RNP 0.30 DA	592	1	433	592	1	433	592	1	433	592	1	433							
NOTES: CHART NOTE: GPS REQUIRED. CHART PLANVIEW NOTE AT ACILI : MAX 210 KIAS. CHART PLANVIEW NOTE AT EAARL : MAX 210 KIAS. CHART PLANVIEW NOTE AT COVSO : MAX 210 KIAS. (SEE FORM 8260-10)																			
CITY AND STATE		ELEVATION: 167 THRE: 159		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:						SUP:							
RICHMOND, VA		AIRPORT NAME: RICHMOND INTL				RNAV (RNP) Y RWY 2, ORIG 24 JULY 2014						AMDT: NONE							
												DATED							

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (RNP) - STANDARD,
INSTRUMENT APPROACH PROCEDURE, - TITLE 14 CFR PART 97.33

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TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
ACILI	EAARL (RF) (FB) (RNP 1.00)	(2.40 NM RADIUS CCW (CFBNH))/3.74	2300
EAARL	FISSR (RF) (FB) (RNP 1.00)	(2.40 NM RADIUS CCW (CFBNH))/3.80	1300
EEMIL (IF)	COVSO (TF) (FB) (RNP 1.00)	246.55 / 3.00	2600
COVSO	FISSR (RF) (FB) (RNP 1.00)	(2.40 NM RADIUS CW (CFBNJ))/5.70	1300
FISSR (FAF)	RW02 (MAP) (TF) (FO)	022.45 / 3.43	
RW02 (MAP)	IMASE (TF) (FO) (RNP 1.00)	022.47 / 11.59	2100

NOTES, (CONT.):

CHART PLANVIEW NOTE AT LJAAY : MAX 210 KIAS.

CHART PLANVIEW NOTE ADJACENT TO BEKKY: RF REQUIRED.

CHART PLANVIEW NOTE ADJACENT TO DUCXS IAF: RF REQUIRED.

CHART PLANVIEW NOTE ADJACENT TO EEMIL: RF REQUIRED.

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -11C (13F) OR ABOVE 54C (130F).

CHART PROFILE NOTE: SEE PLANVIEW FOR MULTIPLE IF LOCATIONS.

CHART NOTE: FOR INOPERATIVE MALSR, INCREASE RNP 0.11 ALL CATS VISIBILITY TO 1 1/8 AND RNP 0.30 ALL CATS VISIBILITY TO 1 1/2.

CHART PLANVIEW NOTE AT BEKKY, EEMIL, CASEE: RADAR REQUIRED.



CITY AND STATE RICHMOND, VA	ELEVATION: 167	THRE: 159	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (RNP) Y RWY 2, ORIG 24 JULY 2014	SUP:
	AIRPORT NAME: RICHMOND INTL				AMDT: NONE
					DATED:

RNAV (RNP) STANDARD INSTRUMENT APPROACH PROCEDURE

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ARINC PACKET - 424-18 - RNAV (RNP)

[illegible]

	1	2	3	4	5	6	7	8	9	0	1	2	3
TRM WP	1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP KRICK6CACILI K60 W N37274260W077263869								W0102	NAR		ACILI		
SUSAP KRICK6CBEKKY K60 W N37304749W077254341								W0103	NAR		BEKKY		
SUSAP KRICK6CCASEE K60 C N37180372W077232014								W0102	NAR		CASEE		
SUSAP KRICK6CCFBNH K60 A N37270916W077234277								W0103	NAR		CNF (CFBNH)		
SUSAP KRICK6CCFBNJ K60 A N37260209W077175105								W0103	NAR		CNF (CFBNJ)		
SUSAP KRICK6CCOVSO K60 W N37240048W077161395								W0103	NAR		COVSO		
SUSAP KRICK6CDUCXS K60 W N37274720W077391600								W0101	NAR		DUCXS		
SUSAP KRICK6CEAARL K60 W N37244936W077242701								W0103	NAR		EAAARL		
SUSAP KRICK6CEEMIL K60 W N37253723W077130333								W0104	NAR		EEMIL		
SUSAP KRICK6CEMWHY K60 W N37253486W077281342								W0102	NAR		EMWHY		
SUSAP KRICK6CFISSR K60 W N37263566W077204689								W0103	NAR		FIISSR		
SUSAP KRICK6CIMASE K60 W N37411282W077162280								W0104	NAR		IMASE		
SUSAP KRICK6CLJAAY K60 W N37234007W077213953								W0103	NAR		LJAAY		

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KRICK6FH02-Y	ABEKKY	010BEKKYK6PC0E	B	IF				04000	18000		A	FS
SUSAP	KRICK6FH02-Y	ABEKKY	020ACILIK6PC0E		010TF			+	03200	210		A-FS	
SUSAP	KRICK6FH02-Y	ABEKKY	030EAARLK6PC0E	L010RF		0024002024	11310037	+	02300	210	CFBNH	K6PCA-FS	
SUSAP	KRICK6FH02-Y	ABEKKY	040FISSRK6PC0EE	L010RF		0024001131	02250038	+	01300		CFBNH	K6PCA	FS
SUSAP	KRICK6FH02-Y	ACASEE	010CASEEK6PC0E	B	IF			+	02000	18000		A	FS
SUSAP	KRICK6FH02-Y	ACASEE	020LJAAAYK6PC0E		010TF			+	02000	210		A-FS	
SUSAP	KRICK6FH02-Y	ACASEE	030FISSRK6PC0EE		010TF			+	01300			A	FS
SUSAP	KRICK6FH02-Y	ADUCXS	010DUCXSK6PC0E	A	IF				04000	18000		A	FS
SUSAP	KRICK6FH02-Y	ADUCXS	020EMWHYK6PC0E	B	010TF			+	03000			A	FS
SUSAP	KRICK6FH02-Y	ADUCXS	030EAARLK6PC0E		010TF			+	02300	210		A-FS	
SUSAP	KRICK6FH02-Y	ADUCXS	040FISSRK6PC0EE	L010RF		0024001131	02250038	+	01300		CFBNH	K6PCA	FS
SUSAP	KRICK6FH02-Y	AEEMIL	010EEMILK6PC0E	B	IF				03000	18000		A	FS
SUSAP	KRICK6FH02-Y	AEEMIL	020COVSOK6PC0E		010TF			+	02600	210		A-FS	
SUSAP	KRICK6FH02-Y	AEEMIL	030FISSRK6PC0EE	R010RF		0024002466	02250057	+	01300		CFBNJ	K6PCA	FS
SUSAP	KRICK6FH02-Y	H	020FISSRK6PC1E	F	IF			+	01300	18000		RW02	K6PGA
SUSAP	KRICK6FH02-Y	H	020FISSRK6PC2W						A031A112				FS
SUSAP	KRICK6FH02-Y	H	030RW02 K6PG0GY	M	031TF				00208	-300		A	FS
SUSAP	KRICK6FH02-Y	H	040IMASEK6PC0EYM		010TF			+	02100			A	FS
SUSAP	KRICK6FH02-Y	H	050IMASEK6PC0EE	L	HM		20250040	+	02100			A	FS

CITY AND STATE RICHMOND, VA	ELEVATION: 167 THRE: 159	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME: RICHMOND INTL	RNAV	RNAV (RNP) Y RWY 2, ORIG	AMDT: NONE
			24 JULY 2014	DATED:

RNAV (RNP) STANDARD INSTRUMENT APPROACH PROCEDURE

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

[illegible][illegible]

CITY AND STATE
RICHMOND, VA

ELEVATION: 167	THRE: 159
AIRPORT NAME:	RICHMOND INTL

FACILITY
IDENTIFIER:
| RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
RNAV (RNP) Y RWY 2, ORIG
 24 JULY 2014

SUP:	
AMDT:	NONE
DATED:	

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (RNP) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICES - FAR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - 424-18 - RNAV (RNP)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	BEKKY	BEKKY	010		IF		FB				AT 04000	
	BEKKY	ACILI	020		TF		FB	1.0			AA 03200	AB 210
	BEKKY	EAARL	030		RF	L	FB	1.0		003.7	AA 02300	AB 210
	BEKKY	FISSR	040		RF	L	FB	1.0		003.8	AA 01300	
	CASEE	CASEE	010		IF		FB				AA 02000	
	CASEE	LJAAY	020		TF		FB	1.0			AA 02000	AB 210
	CASEE	FISSR	030		TF		FB	1.0			AA 01300	
	DUCXS	DUCXS	010	IAF	IF		FB				AT 04000	
	DUCXS	EMWHY	020		TF		FB	1.0			AA 03000	
	DUCXS	EAARL	030		TF		FB	1.0			AA 02300	AB 210
	DUCXS	FISSR	040		RF	L	FB	1.0		003.8	AA 01300	
	EEMIL	EEMIL	010		IF		FB				AT 03000	
	EEMIL	COVSO	020		TF		FB	1.0			AA 02600	AB 210
	EEMIL	FISSR	030		RF	R	FB	1.0		005.7	AA 01300	
		FISSR	020	FAF	IF		FB				AA 01300	
		RW02	030	MAP	TF		FO	0.3			AT 00208	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	IMASE	040		TF		FO	1.0			AA 02100	
	IMASE	050		HM	L	FO		202.5 (193.5T)	004.0	AA 02100	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	ACILI	N372742.60	W0772638.69	N3727.710	W07726.645
	BEKKY	N373047.49	W0772543.41	N3730.792	W07725.724
	CASEE	N371803.72	W0772320.14	N3718.062	W07723.336
	CFBNH	N372709.16	W0772342.77	N3727.153	W07723.713
	CFBNJ	N372602.09	W0771751.05	N3726.035	W07717.851
	COVSO	N372400.48	W0771613.95	N3724.008	W07716.233
	DUCXS	N372747.20	W0773916.00	N3727.787	W07739.267
	EAARL	N372449.36	W0772427.01	N3724.823	W07724.450
	EEMIL	N372537.23	W0771303.33	N3725.621	W07713.056
	EMWHY	N372534.86	W0772813.42	N3725.581	W07728.224
	FISSR	N372635.66	W0772046.89	N3726.594	W07720.782
	IMASE	N374112.82	W0771622.80	N3741.214	W07716.380
	LJAAY	N372340.07	W0772139.53	N3723.668	W07721.659
	RW02	N372955.95	W0771946.77	N3729.933	W07719.780

RUNWAY DATA	THRESHOLD	ELEVATION	TCH
RWY			

CITY AND STATE RICHMOND, VA	ELEVATION: 167	THRE: 159	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME:			RNAV (RNP) Y RWY 2, ORIG	AMDT: NONE
	RICHMOND INTL		RNAV	24 JULY 2014	DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (RNP) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICES - FAR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

RW02 00159 50

CITY AND STATE
RICHMOND, VA

ELEVATION: 167 THRE: 159
AIRPORT NAME:
RICHMOND INTL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
RNAV (RNP) Y RWY 2, ORIG
24 JULY 2014

SUP:

AMDT: NONE

DATED:

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (RNP) - STANDARD,
INSTRUMENT APPROACH PROCEDURE, - TITLE 14 CFR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
AYDEE (IF)	SKULK (TF) (FB) (RNP 1.00)	336.46 / 3.03	3200
SOOBY (IF)	ZAXET (TF) (FB) (RNP 1.00)	120.32 / 7.37	1700
SKULK	UDADE (RF) (FB) (RNP 1.00)	(2.50 NM RADIUS CCW (CFBNC))/5.46	1900
SEZZZ	ZAXET (RF) (FB) (RNP 1.00)	(2.50 NM RADIUS CW (CFBNB))/2.36	1700
ZAXET	OPUKE (RF) (FB) (RNP 0.75)	(2.50 NM RADIUS CW (CFBNB))/1.57	1300
UDADE	OPUKE (RF) (FB) (RNP 1.00)	(2.50 NM RADIUS CCW (CFBNC))/2.39	1300
AAVVA	OPUKE (TF) (FB) (RNP 1.00)	156.45 / 3.07	1300
OPUKE (FAF)	RW16 (MAP) (TF)	156.44 / 3.39	
RW16 (MAP)	HAGLI (TF) (FO) (RNP 1.00)	156.45 / 13.36	2500

NOTES, (CONT.):

CHART PLANVIEW NOTE AT SOOBY : MAX 210 KIAS.
 CHART PLANVIEW NOTE AT TIRTL : MAX 210 KIAS.
 CHART PLANVIEW NOTE AT AYDEE : MAX 210 KIAS.
 CHART PLANVIEW NOTE AT AAVVA : MAX 210 KIAS.
 CHART PLANVIEW NOTE ADJACENT TO DUCXS AND DEER IAF: RF REQUIRED.
 CHART PLANVIEW NOTE ADJACENT TO AYDEE AND TIRTL: RF REQUIRED.
 CHART NOTE: FOR INOPERATIVE MALSR, INCREASE RNP 0.11 ALL CATS VISIBILITY TO RVR 5500 AND RNP 0.30 ALL CATS VISIBILITY TO 1 1/2 MILES.
 CHART PLANVIEW NOTE ADJACENT TO AYDEE: RADAR REQUIRED .
 CHART PLANVIEW NOTE ADJACENT TO TIRTL: RADAR REQUIRED.
 CHART PLANVIEW NOTE ADJACENT TO IFPIG: RADAR REQUIRED.
 CHART PROFILE NOTE: SEE PLANVIEW FOR MULTIPLE IF LOCATIONS.
 CHART PLANVIEW NOTE AT DUCXS: (RNP 0.75)
 CHART PLANVIEW NOTE AT DEER: (RNP 0.75)



CITY AND STATE RICHMOND, VA	ELEVATION: 167 THRE: 167	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (RNP) Y RWY 16, ORIG 24 JULY 2014	SUP:
	AIRPORT NAME: RICHMOND INTL			AMDT: NONE
	DATED:			

RNAV (RNP) STANDARD INSTRUMENT APPROACH PROCEDURE

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ARINC PACKET - 424-18 - RNAV (RNP)

[illegible][illegible][illegible]

CITY AND STATE RICHMOND, VA	ELEVATION: 167	THRE: 167	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (RNP) Y RWY 16, ORIG 24 JULY 2014	SUP:
	AIRPORT NAME: RICHMOND INTL				AMDT: NONE
					DATED:

FLIGHT STANDARDS SERVICES - FAR PART 97.33

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SUSAP	KRICK6FH16-Y	ATIRTL	010TIRTLK6PCOE	B	IF			+ 03000	18000210		A-FS
SUSAP	KRICK6FH16-Y	ATIRTL	020UDADEK6PCOE		010TF			+ 01900			A FS
SUSAP	KRICK6FH16-Y	ATIRTL	030OPUKEK6PCOEE	L010RF		0025002113	15640024	+ 01300		CFBNC	K6PCA FS
SUSAP	KRICK6FH16-Y	H	020OPUKEK6PC1E	F	IF			+ 01300	18000	RW16	K6PGA FS
SUSAP	KRICK6FH16-Y	H	020OPUKEK6PC2W						A031A112		FS
SUSAP	KRICK6FH16-Y	H	030RW16	K6PG0GY	M	031TF			00221	-300	A FS
SUSAP	KRICK6FH16-Y	H	040HAGLIK6PC0EYM		010TF			+ 02500			A FS
SUSAP	KRICK6FH16-Y	H	050HAGLIK6PCOEE	R	HM		33650060	+ 02500			A FS

[illegible][illegible]

CITY AND STATE
RICHMOND, VA

ELEVATION: 167	THRE: 167
AIRPORT NAME:	RICHMOND INTL

FACILITY
IDENTIFIER:
| RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
RNAV (RNP) Y RWY 16, ORIG
24 JULY 2014

SUP:	
AMDT:	NONE
DATED:	

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (RNP) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICES - FAR PART 97.33

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ARINC SUMMARY - 424-18 - RNAV (RNP)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	AYDEE	AYDEE	010		IF		FB				AA 04000	AB 210
	AYDEE	SKULK	020		TF		FB	1.0			AA 03200	
	AYDEE	UDADE	030		RF	L	FB	1.0		005.5	AA 01900	
	AYDEE	OPUKE	040		RF	L	FB	1.0		002.4	AA 01300	
	DEEER	DEEER	010	IAF	IF		FB				AT 04000	
	DEEER	SOOBY	020		TF		FB	1.0			AA 04000	AB 210
	DEEER	ZAXET	030		TF		FB	1.0			AA 01700	
	DEEER	OPUKE	040		RF	R	FB	0.75		001.6	AA 01300	
	DUCKS	DUCKS	010	IAF	IF		FB				AT 04000	
	DUCKS	TONEO	020		TF		FB	1.0			AA 03000	AB 210
	DUCKS	SEZZZ	030		TF		FB	1.0			AA 02300	
	DUCKS	ZAXET	040		RF	R	FB	1.0		002.4	AA 01700	
	DUCKS	OPUKE	050		RF	R	FB	0.75		001.6	AA 01300	
	IFPIG	IFPIG	010		IF		FB				AA 03000	
	IFPIG	AAVVA	020		TF		FB	1.0			AA 02000	AB 210
	IFPIG	OPUKE	030		TF		FB	1.0			AA 01300	
	TIRTL	TIRTL	010		IF		FB				AA 03000	AB 210
	TIRTL	UDADE	020		TF		FB	1.0			AA 01900	
	TIRTL	OPUKE	030		RF	L	FB	1.0		002.4	AA 01300	
		OPUKE	020	FAF	IF		FB				AA 01300	
		RWL6	030	MAP	TF		FO	0.3			AT 00221	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	HAGLI	040		TF		FO	1.0			AA 02500	
	HAGLI	050		HM	R	FO		336.5 (327.5T)	006.0	AA 02500	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	AAVVA	N373626.86	W0772347.02	N3736.448	W07723.784
	AYDEE	N373359.69	W0771421.25	N3733.995	W07714.354
	CFBNB	N373230.53	W0772421.32	N3732.509	W07724.355
	CFBNC	N373512.20	W0771903.31	N3735.203	W07719.055
	DEEER	N373755.30	W0773956.26	N3737.922	W07739.938
	DUCKS	N372747.20	W0773916.00	N3727.787	W07739.267
	HAGLI	N372044.23	W0771113.06	N3720.737	W07711.218
	IFPIG	N374206.49	W0772820.45	N3742.108	W07728.341
	OPUKE	N373351.39	W0772142.36	N3733.857	W07721.706
	SEZZZ	N373437.07	W0772602.93	N3734.618	W07726.049
	SKULK	N373633.05	W0771624.26	N3736.551	W07716.404
	SOOBY	N373731.66	W0773150.86	N3737.528	W07731.848
	TIRTL	N374026.21	W0771945.21	N3740.437	W07719.754

CITY AND STATE RICHMOND, VA	ELEVATION: 167	THRE: 167	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (RNP) Y RWY 16, ORIG 24 JULY 2014	SUP:
	AIRPORT NAME: RICHMOND INTL				AMDT: NONE
					DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (RNP) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICES - FAR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

RUNWAY DATA	TONEO	N373256.49	W0772920.37	N3732.942	W07729.340
	UDADE	N373609.25	W0772157.90	N3736.154	W07721.965
	ZAXET	N373450.36	W0772312.49	N3734.839	W07723.208
	RW16	N373059.89	W0771924.88	N3730.998	W07719.415
	THRESHOLD				
	RWY	ELEVATION	TCH		
	RW16	00167	54		

CITY AND STATE
RICHMOND, VA

ELEVATION: 167 THRE: 167
AIRPORT NAME:
RICHMOND INTL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
RNAV (RNP) Y RWY 16, ORIG
24 JULY 2014

SUP:

AMDT: NONE

DATED:

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (RNP) - STANDARD,
INSTRUMENT APPROACH PROCEDURE, - TITLE 14 CFR PART 97.33

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TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
DEER (IAF)	SOOBY (TF) (FB) (RNP 1.00)	102.46 / 6.44	4000
SOOBY (IF)	ESORE (TF) (FB) (RNP 1.00)	097.83 / 7.93	2600
ESORE	MUGAW (RF) (FB) (RNP 0.85)	(2.73 NM RADIUS CW (CFBMX))/4.98	1300
BECAB (IF)	HUGHS (TF) (FB) (RNP 1.00)	022.62 / 3.03	3200
HUGHS	AANNN (RF) (FB) (RNP 1.00)	(2.50 NM RADIUS CCW (CFBMZ))/3.01	2500
JADNN (IF)	AANNN (TF) (FB) (RNP 1.00)	313.78 / 2.96	2500
AANNN	MUGAW (RF) (FB) (RNP 1.00)	(2.50 NM RADIUS CCW (CFBMZ))/4.85	1300
MUGAW (FAF)	RW20 (MAP) (TF) (FO)	202.48 / 3.41	
RW20 (MAP)	CASEE (TF) (FO) (RNP 1.00)	202.46 / 13.28	2000

NOTES, (CONT.):

CHART PLANVIEW NOTE AT HUGHS : MAX 210 KIAS.

CHART PLANVIEW NOTE AT HORNR : MAX 210 KIAS.

CHART PLANVIEW NOTE ADJACENT TO BECAB: RF REQUIRED.

CHART PLANVIEW NOTE ADJACENT TO DUCXS IAF: RF REQUIRED.

CHART PLANVIEW NOTE ADJACENT TO DEER IAF: RF REQUIRED.

CHART PLANVIEW NOTE ADJACENT TO JADNN: RF REQUIRED.

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -11C (13F) OR ABOVE 54C (130F).

CHART PLANVIEW NOTE AT DUCXS IAF : RNP 0.85.

CHART PLANVIEW NOTE AT DEER IAF : RNP 0.85.

CHART PLANVIEW NOTE AT JADNN, BECAB, IMASE : RADAR REQUIRED.

CHART PROFILE NOTE: SEE PLANVIEW FOR MULTIPLE IF LOCATIONS.



CITY AND STATE RICHMOND, VA	ELEVATION: 167	THRE: 165	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (RNP) Y RWY 20, ORIG 24 JULY 2014	SUP:
	AIRPORT NAME: RICHMOND INTL				AMDT: NONE
					DATED:

RNAV (RNP) STANDARD INSTRUMENT APPROACH PROCEDURE

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ARINC PACKET - 424-18 - RNAV (RNP)

[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KRICK6FH20-Y	ABECAB	010BECABK6PC0E	B	IF				04000	18000		A	FS
SUSAP	KRICK6FH20-Y	ABECAB	020HUGHSK6PC0E		010TF				+ 03200	210		A-FS	
SUSAP	KRICK6FH20-Y	ABECAB	030AANNK6PC0E	L010RF		0025000226	31380030		+ 02500	210	CFBMZ	K6PCA-FS	
SUSAP	KRICK6FH20-Y	ABECAB	040MUGAWK6PC0EE	L010RF		0025003138	20250049		+ 01300		CFBMZ	K6PCA	FS
SUSAP	KRICK6FH20-Y	ADEEER	010DEERK6PC0E	A	IF				04000	18000		A	FS
SUSAP	KRICK6FH20-Y	ADEEER	020SOOBYK6PC0E	B	010TF				+ 04000			A	FS
SUSAP	KRICK6FH20-Y	ADEEER	030ESOREK6PC0E		010TF				+ 02600	210		A-FS	
SUSAP	KRICK6FH20-Y	ADEEER	040MUGAWK6PC0EE	R852RF		0027300978	20250050		+ 01300		CFBMX	K6PCA	FS
SUSAP	KRICK6FH20-Y	ADUCXS	010DUCXSK6PC0E	A	IF				04000	18000		A	FS
SUSAP	KRICK6FH20-Y	ADUCXS	020TTIMMK6PC0E	B	010TF				+ 04000			A	FS
SUSAP	KRICK6FH20-Y	ADUCXS	030HORNK6PC0E		010TF				+ 03200	210		A-FS	
SUSAP	KRICK6FH20-Y	ADUCXS	040ESOREK6PC0E		R852RF	0027300617	09780017		+ 02600	210	CFBMX	K6PCA-FS	
SUSAP	KRICK6FH20-Y	ADUCXS	050MUGAWK6PC0EE	R852RF		0027300978	20250050		+ 01300		CFBMX	K6PCA	FS
SUSAP	KRICK6FH20-Y	AIMASE	010IMASEK6PC0E	B	IF				+ 02000	18000210		A-FS	
SUSAP	KRICK6FH20-Y	AIMASE	020TYROXK6PC0E		010TF				+ 02000			A	FS
SUSAP	KRICK6FH20-Y	AIMASE	030MUGAWK6PC0EE		010TF				+ 01300			A	FS

CITY AND STATE RICHMOND, VA	ELEVATION: 167 THRE: 165	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME: RICHMOND INTL	RNAV	RNAV (RNP) Y RWY 20, ORIG	AMDT: NONE
			24 JULY 2014	DATED:

RNAV (RNP) STANDARD INSTRUMENT APPROACH PROCEDURE

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SUSAP	KRICK6FH20-Y	AJADNN	010JADNNK6PC0E	B	IF		03000	18000		A	FS	
SUSAP	KRICK6FH20-Y	AJADNN	020AANNK6PC0E		010TF		+ 02500	210		A	-FS	
SUSAP	KRICK6FH20-Y	AJADNN	030MUGAWK6PC0EE	L010RF		0025003138	20250049	+ 01300		CFBMZ	K6PCA	FS
SUSAP	KRICK6FH20-Y	H	020MUGAWK6PC1E	F	IF		+ 01300	18000		RW20	K6PGA	FS
SUSAP	KRICK6FH20-Y	H	020MUGAWK6PC2W					A031A112				FS
SUSAP	KRICK6FH20-Y	H	030RW20	K6PGOGY	M	031TF		00214	-300		A	FS
SUSAP	KRICK6FH20-Y	H	040CASEEK6PC0EYM		010TF		+ 02000				A	FS
SUSAP	KRICK6FH20-Y	H	050CASEEK6PC0EE	R	HM	02240040	+ 02000				A	FS

[illegible][illegible]

CITY AND STATE
RICHMOND, VA

ELEVATION: 167	THRE: 165
AIRPORT NAME:	RICHMOND INTL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
RNAV (RNP) Y RWY 20, ORIG
24 JULY 2014

SUP:	
AMDT:	NONE
DATED:	

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (RNP) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICES - FAR PART 97.33

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ARINC SUMMARY - 424-18 - RNAV (RNP)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	BECAB	BECAB	010		IF		FB				AT 04000	
	BECAB	HUGHS	020		TF		FB	1.0			AA 03200	AB 210
	BECAB	AANNN	030		RF	L	FB	1.0		003.0	AA 02500	AB 210
	BECAB	MUGAW	040		RF	L	FB	1.0		004.9	AA 01300	
	DEEER	DEEER	010	IAF	IF		FB				AT 04000	
	DEEER	SOOBY	020		TF		FB	1.0			AA 04000	
	DEEER	ESORE	030		TF		FB	1.0			AA 02600	AB 210
	DEEER	MUGAW	040		RF	R	FB	0.85		005.0	AA 01300	
	DUCXS	DUCXS	010	IAF	IF		FB				AT 04000	
	DUCXS	TTIMM	020		TF		FB	1.0			AA 04000	
	DUCXS	HORNR	030		TF		FB	1.0			AA 03200	AB 210
	DUCXS	ESORE	040		RF	R	FB	0.85		001.7	AA 02600	AB 210
	DUCXS	MUGAW	050		RF	R	FB	0.85		005.0	AA 01300	
	IMASE	IMASE	010		IF		FB				AA 02000	AB 210
	IMASE	TYROX	020		TF		FB	1.0			AA 02000	
	IMASE	MUGAW	030		TF		FB	1.0			AA 01300	
	JADNN	JADNN	010		IF		FB				AT 03000	
	JADNN	AANNN	020		TF		FB	1.0			AA 02500	AB 210
	JADNN	MUGAW	030		RF	L	FB	1.0		004.9	AA 01300	
	JADNN	MUGAW	020	FAF	IF		FB				AA 01300	
	JADNN	RW20	030	MAP	TF		FO	0.3			AT 00214	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	CASEE	040		TF		FO	1.0			AA 02000	
	CASEE	050		HM	R	FO		022.4 (013.4T)	004.0	AA 02000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	AANNN	N373547.00	W0771336.77	N3735.783	W07713.613
	BECAB	N373011.41	W0771314.78	N3730.190	W07713.246
	CASEE	N371803.72	W0772320.14	N3718.062	W07723.336
	CFBMX	N373456.86	W0772148.26	N3734.948	W07721.804
	CFBMZ	N373343.61	W0771524.28	N3733.727	W07715.405
	DEEER	N373755.30	W0773956.26	N3737.922	W07739.938
	DUCXS	N372747.20	W0773916.00	N3727.787	W07739.267
	ESORE	N373740.94	W0772152.10	N3737.682	W07721.868
	HORNR	N373707.43	W0772353.20	N3737.124	W07723.887
	HUGHS	N373308.21	W0771220.95	N3733.137	W07712.349
	IMASE	N374112.82	W0771622.80	N3741.214	W07716.380
	JADNN	N373405.54	W0771033.11	N3734.092	W07710.552
	MUGAW	N373418.66	W0771827.74	N3734.311	W07718.462

CITY AND STATE RICHMOND, VA	ELEVATION: 167	THRE: 165	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME:			RNAV (RNP) Y RWY 20, ORIG	AMDT: NONE
	RICHMOND INTL		RNAV	24 JULY 2014	DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (RNP) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICES - FAR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

SOOBY	N373731.66	W0773150.86	N3737.528	W07731.848
TTIMM	N373518.20	W0772653.38	N3735.303	W07726.890
TYROX	N373716.55	W0771733.95	N3737.276	W07717.566
RW20	N373059.47	W0771927.68	N3730.991	W07719.461

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW20	00165	49

CITY AND STATE
RICHMOND, VA

ELEVATION: **167** THRE: **165**
 AIRPORT NAME:
RICHMOND INTL

FACILITY
 IDENTIFIER:
RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
RNAV (RNP) Y RWY 20, ORIG
24 JULY 2014

SUP:
 AMDT: **NONE**
 DATED:

RNAV (RNP) - STANDARD, INSTRUMENT APPROACH PROCEDURE, TITLE 14 CFR PART 97.33				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.								
US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION												
TERMINAL ROUTES				MISSED APPROACH								
FROM	TO	COURSE AND DISTANCE	ALTITUDE	RNP: DA CLIMB TO 2500 ON TRACK 336.48 TO IFPIG AND HOLD. ADDITIONAL FLIGHT DATA: HOLD NW, LT, 156.37 INBOUND. CHART FAS OBST: 270 TOWER 372842N/0771817W CHART FAS OBST: 233 TREE 372916N/0771752W DISTANCE TO THLD FROM 313 HATH: 0.81 NM. CHART MANDATORY 4000 AT DUCKS. CHART AT OR ABOVE 3000 AT TRKEY AND BAIRR. # TCH 215.0 MSL (DO NOT CHART) ROUTE TYPE QUALIFIER 1: F CHART AT OR ABOVE 2500 AT HAGLI. ROUTE TYPE: A, H ROUTE TYPE QUALIFIER 2: S								
DUCXS (IAF)	VARMT (TF) (FB) (RNP 1.00)	115.32 / 13.15	3500									
VARMT (IF)	RUTLD (TF) (FB) (RNP 1.00)	116.39 / 3.12	2800									
HAGLI (IF)	IDONE (TF) (FB) (RNP 1.00)	336.48 / 4.25	2000									
TRKEY (IF)	YEVUS (TF) (FB) (RNP 1.00)	235.93 / 3.01	2400									
BAIRR (IF)	MANDM (TF) (FB) (RNP 1.00)	044.26 / 3.91	2000									
(SEE FORM 8260-10)												
1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF) 2. PROFILE STARTS AT WOWSR 3. FAC: 336.49 FAF: DIST FAF TO MAP: THLD: 4. MIN. ALT: WOWSR 1300 5. DIST TO THLD FROM OM: 3.41 MM: IM: 150 HAT: 100 HAT: GS ANT: 6. MIN GS INCPT: 1300 GS ALT AT: WOWSR 1300 OM: MM: IM: 7. GS ANGLE: 3.00 TCH: 54.4# 34:1 IS CLEAR 8. MSA FROM: RW34 2600				MAG VAR: 9W EPOCH YEAR: 1985								
MINIMUMS												
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE: N A								
CATEGORY =====>	A		B		C		D		E			
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
AUTHORIZATION REQUIRED												
RNP 0.11 DA	474	2600	313	474	2600	313	474	2600	313	474	2600	313
RNP 0.30 DA	592	4900	431	592	4900	431	592	4900	431	592	4900	431
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -11C (13F) OR ABOVE 54C (130F). CHART NOTE: GPS REQUIRED. CHART PLANVIEW NOTE AT TRKEY : MAX 210 KIAS. (SEE FORM 8260-10)												
CITY AND STATE		ELEVATION: 167 THRE: 161		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:			SUP:			
RICHMOND, VA		AIRPORT NAME:		RNAV		RNAV (RNP) Y RWY 34, ORIG			AMDT: NONE			
		RICHMOND INTL				24 JULY 2014			DATED			

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
**RNAV (RNP) - STANDARD,
 INSTRUMENT APPROACH PROCEDURE, - TITLE 14 CFR PART 97.33**

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TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
RUTLD	MANDM (RF) (FB) (RNP 1.00)	(2.50 NM RADIUS CCW (CFBND))/3.15	2000
YEVUS	WOWSR (RF) (FB) (RNP 1.00)	(2.50 NM RADIUS CW (CFBNF))/4.39	1300
IDONE	WOWSR (TF) (FB) (RNP 1.00)	336.61 / 3.01	1300
MANDM	WOWSR (RF) (FB) (RNP 1.00)	(2.50 NM RADIUS CCW (CFBND))/2.96	1300
WOWSR (FAF)	RW34 (MAP) (TF) (FO)	336.49 / 3.41	
RW34 (MAP)	IFPIG (TF) (FO) (RNP 1.00)	336.48 / 15.84	2500

NOTES, (CONT.):

CHART PLANVIEW NOTE AT VARMT : MAX 210 KIAS.
 CHART PLANVIEW NOTE AT IDONE : MAX 210 KIAS.
 CHART PLANVIEW NOTE AT BAIRR : MAX 210 KIAS.
 CHART PLANVIEW NOTE ADJACENT TO DUCXS IAF: RF REQUIRED.
 CHART PLANVIEW NOTE ADJACENT TO BAIRR: RF REQUIRED.
 CHART PLANVIEW NOTE ADJACENT TO TRKEY: RF REQUIRED.
 CHART NOTE: FOR INOPERATIVE ALSF, INCREASE RNP 0.11 ALL CATS VISIBILITY TO RVR 5000 AND RNP 0.30 ALL CATS VISIBILITY TO 1 3/8 MILE.
 CHART PLANVIEW NOTE ADJACENT TO TRKEY: RADAR REQUIRED.
 CHART PLANVIEW NOTE ADJACENT TO BAIRR: RADAR REQUIRED.
 CHART PLANVIEW NOTE ADJACENT TO HAGLI: RADAR REQUIRED.
 CHART PROFILE NOTE: SEE PLANVIEW FOR MULTIPLE IF LOCATIONS.

CITY AND STATE

RICHMOND, VA

ELEVATION: 167

THRE: 161

AIRPORT NAME:

RICHMOND INTL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (RNP) Y RWY 34, ORIG
24 JULY 2014

SUP:

AMDT: NONE

DATED:

RNAV (RNP) STANDARD INSTRUMENT APPROACH PROCEDURE

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ARINC PACKET - 424-18 - RNAV (RNP)

[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KRICK6FH34-Y ABAIRR 010BAIRRK6PC0E B IF									+ 03000	18000210		A-FS	
SUSAP KRICK6FH34-Y ABAIRR 020MANDMK6PC0E 010TF									+ 02000			A FS	
SUSAP KRICK6FH34-Y ABAIRR 030WOWSRK6PC0EE L010RF						0025000443	33650030		+ 01300		CFBND K6PCA	FS	
SUSAP KRICK6FH34-Y ADUCXS 010DUCXSK6PC0E A IF									04000	18000		A FS	
SUSAP KRICK6FH34-Y ADUCXS 020VARMTRK6PC0E B 010TF									+ 03500	210		A-FS	
SUSAP KRICK6FH34-Y ADUCXS 030RUTLDK6PC0E 010TF									+ 02800			A FS	
SUSAP KRICK6FH34-Y ADUCXS 040MANDMK6PC0E L010RF						0025001164	04430032		+ 02000		CFBND K6PCA	FS	
SUSAP KRICK6FH34-Y ADUCXS 050WOWSRK6PC0EE L010RF						0025000443	33650030		+ 01300		CFBND K6PCA	FS	
SUSAP KRICK6FH34-Y AHAGLI 010HAGLIK6PC0E B IF									+ 02500	18000		A FS	
SUSAP KRICK6FH34-Y AHAGLI 020IDONEK6PC0E 010TF									+ 02000	210		A-FS	
SUSAP KRICK6FH34-Y AHAGLI 030WOWSRK6PC0EE 010TF									+ 01300			A FS	
SUSAP KRICK6FH34-Y ATRKEY 010TRKEYK6PC0E B IF									+ 03000	18000210		A-FS	
SUSAP KRICK6FH34-Y ATRKEY 020YEVUSK6PC0E 010TF									+ 02400			A FS	
SUSAP KRICK6FH34-Y ATRKEY 030WOWSRK6PC0EE R010RF						0025002359	33650044		+ 01300		CFBNF K6PCA	FS	
SUSAP KRICK6FH34-Y H 020WOWSRK6PC1E F IF									+ 01300	18000	RW34 K6PGA	FS	
SUSAP KRICK6FH34-Y H 020WOWSRK6PC2W										A031A112		FS	
SUSAP KRICK6FH34-Y H 030RW34 K6PG0GY M 031TF									00215	-300		A FS	
SUSAP KRICK6FH34-Y H 040IFPIGK6PC0EYM 010TF									+ 02500			A FS	
SUSAP KRICK6FH34-Y H 050IFPIGK6PC0EE L HM							15640060		+ 02500			A FS	

CITY AND STATE RICHMOND, VA	ELEVATION: 167	THRE: 161	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME:			RNAV (RNP) Y RWY 34, ORIG	AMDT: NONE
	RICHMOND INTL		RNAV	24 JULY 2014	DATED:

RNAV (RNP) STANDARD INSTRUMENT APPROACH PROCEDURE

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[illegible]

CITY AND STATE RICHMOND, VA	ELEVATION: 167 THRE: 161	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (RNP) Y RWY 34, ORIG 24 JULY 2014	SUP:
	AIRPORT NAME: RICHMOND INTL			AMDT: NONE
				DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (RNP) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICES - FAR PART 97.33

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ARINC SUMMARY - 424-18 - RNAV (RNP)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	BAIRR	BAIRR	010		IF		FB				AA 03000	AB 210
	BAIRR	MANDM	020		TF		FB	1.0			AA 02000	
	BAIRR	WOWSR	030		RF	L	FB	1.0		003.0	AA 01300	
	DUCXS	DUCXS	010	IAF	IF		FB				AT 04000	
	DUCXS	VARMT	020		TF		FB	1.0			AA 03500	AB 210
	DUCXS	RUTLD	030		TF		FB	1.0			AA 02800	
	DUCXS	MANDM	040		RF	L	FB	1.0		003.2	AA 02000	
	DUCXS	WOWSR	050		RF	L	FB	1.0		003.0	AA 01300	
	HAGLI	HAGLI	010		IF		FB				AA 02500	
	HAGLI	IDONE	020		TF		FB	1.0			AA 02000	AB 210
	HAGLI	WOWSR	030		TF		FB	1.0			AA 01300	
	TRKEY	TRKEY	010		IF		FB				AA 03000	AB 210
	TRKEY	YEVUS	020		TF		FB	1.0			AA 02400	
	TRKEY	WOWSR	030		RF	R	FB	1.0		004.4	AA 01300	
		WOWSR	020	FAF	IF		FB				AA 01300	
		RW34	030	MAP	TF		FO	0.3			AT 00215	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	IFPIG	040		TF		FO	1.0			AA 02500	
	IFPIG	050		HM	L	FO		155.4(147.4T)	006.0	AA 02500	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	BAIRR	N372053.26	W0771901.63	N3720.988	W07719.027
	CFBND	N372531.53	W0771845.55	N3725.526	W07718.759
	CFBNF	N372812.95	W0771327.84	N3728.216	W07713.464
	DUCXS	N372747.20	W0773916.00	N3727.787	W07739.267
	HAGLI	N372044.23	W0771113.06	N3720.737	W07711.218
	IDONE	N372419.36	W0771405.04	N3724.323	W07714.084
	IFPIG	N374206.49	W0772820.45	N3742.108	W07728.341
	MANDM	N372404.80	W0771611.84	N3724.080	W07716.197
	RUTLD	N372308.25	W0771941.93	N3723.138	W07719.699
	TRKEY	N372826.99	W0770833.24	N3728.450	W07708.554
	VARMT	N372404.23	W0772325.77	N3724.071	W07723.430
	WOWSR	N372652.27	W0771606.74	N3726.871	W07716.112
	YEVUS	N372623.31	W0771119.09	N3726.389	W07711.318
	RW34	N372944.86	W0771824.79	N3729.748	W07718.413

RUNWAY DATA	THRESHOLD	ELEVATION	TCH
RWY			

CITY AND STATE RICHMOND, VA	ELEVATION: 167	THRE: 161	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME:			RNAV (RNP) Y RWY 34, ORIG	AMDT: NONE
	RICHMOND INTL		RNAV	24 JULY 2014	DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (RNP) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICES - FAR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

RW34 00161 54

CITY AND STATE
RICHMOND, VA

ELEVATION: 167 THRE: 161
AIRPORT NAME:
RICHMOND INTL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
RNAV (RNP) Y RWY 34, ORIG
24 JULY 2014

SUP:

AMDT: NONE

DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION NDB STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.27										Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT , HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.																									
TERMINAL ROUTES										MISSED APPROACH																									
FROM			TO			COURSE AND DISTANCE				ALTITUDE																									
													ADDITIONAL FLIGHT DATA:																						
1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)																																			
2. _____																																			
3. FAC ____ FAF _____ DIST FAF TO MAP ____ THLD _____																																			
4. MIN. ALT _____																																			
8. MSA FROM: _____										MAG VAR: _____ EPOCH YEAR: _____																									
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT																				ALTERNATE: N A															
CATEGORY =====>		A			B			C			D			E																					
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA																				
NOTES:																																			
PROCEDURE CANCELED EFFECTIVE 24 JULY 2014																																			
CITY AND STATE WEST DOVER, VT				ELEVATION: 1953 TDZE: 1953 AIRPORT NAME: MOUNT SNOW				FACILITY IDENTIFIER: VWD				PROCEDURE NO./AMD'T NO./EFFECTIVE DATE: NDB RWY 1, AMDT 1, 07/07/2005						SUP NDB OR GPS RWY 1																	
																		AMDT ORIG																	
																		DATE 03/15/1984																	



US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION		RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33		Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.											
TERMINAL ROUTES										MISSED APPROACH					
FROM		TO		COURSE AND DISTANCE				ALTITUDE		LNAV: RW02					
MQP VORTAC		OGBOE (FB)		262.21 / 23.63				3500		CLIMBING RIGHT TURN TO 3200 DIRECT ZOOOO AND HOLD.					
CIYAL		MREEK (FB)		141.51 / 16.28				3500							
MREEK (IAF)		ZOOOO (NOPT) (FB)		113.41 / 5.00				3200							
OGBOE (IAF)		ZOOOO (NOPT) (FB)		293.51 / 5.00				3200							
ZOOOO (IF/IAF)		JAMGU (FB)		023.46 / 6.10				2600							
JAMGU (FAF)		ANIPE/2.50 NM TO RW02 (FB)		023.49 / 2.31						ADDITIONAL FLIGHT DATA: CHART FAS OBST: 1329 TREE 325318N/0982718W					
(SEE FORM 8260-10)															
1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)															
2. HOLD SW ZOOOO, RT, 023.46 INBOUND, 3200 FT. IN LIEU OF PT (IAF)															
3. FAC: 023.49 FAF: JAMGU DIST FAF TO MAP: 4.81 THLD: 4.81															
4. MIN. ALT: ZOOOO 3200, JAMGU 2600, ANIPE/2.50 NM TO RW02 1840															
5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:															
6. MIN GS INCPT: GS ALT AT: OM: MM: IM:															
7. GS ANGLE: TCH: 34:1 IS NOT CLEAR															
8. MSA FROM: RW02 3600										MAG VAR: 7E			EPOCH YEAR: 1985		
MINIMUMS															
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT										ALTERNATE: N A		X			
CATEGORY >>>>>>		A		B		C		D		E					
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LNAV MDA	1640	1	632	1640	1	632	1640	1 3/4	632		NA				
CIRCLING	1700	1	692	1860	1 1/4	852	1860	2 1/2	852		NA				
NOTES: CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: PROCEDURE NA AT NIGHT. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON MPQ VORTAC AIRWAY RADIALS 253 CW 265. CHART PROFILE NOTE: DESCENT ANGLE NA. (SEE FORM 8260-10)															
CITY AND STATE GRAFORD, TX		ELEVATION: 1008 TDZE: 1008 AIRPORT NAME: POSSUM KINGDOM		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 2, ORIG-B 21 AUGUST 2014						SUP: AMDT: ORIG-A DATED 02/07/2013			

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.	
RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33					
TERMINAL ROUTES, (CONT.):					
FROM		TO		COURSE AND DISTANCE	
ANIFE/2.50 NM TO RW02		RW02 (MAP) (FO)		023.49 / 2.50	
RW02 (MAP)		1408 MSL			
1408 MSL		ZOOOO (FO)		3200	
NOTES, (CONT.):					
CHART NOTE: USE MINERAL WELLS ALTIMETER SETTING; WHEN NOT RECEIVED, USE DECATUR MUNI ALTIMETER SETTING AND INCREASE ALL MDA 80 FEET; INCREASE LNAV CAT C VISIBILITY AND CIRCLING CAT C VISIBILITY 1/4 MILE.					
CITY AND STATE		ELEVATION: 1008 TDZE: 1008		PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	
GRAFORD, TX		AIRPORT NAME:		RNAV (GPS) RWY 2, ORIG-B	
		POSSUM KINGDOM		21 AUGUST 2014	
		FACILITY IDENTIFIER:		SUP:	
		RNAV		AMDT: ORIG	
				DATED: 02/11/2010	



U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION <u>RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE</u> FLIGHT STANDARDS SERVICES - FAR PART 97.33	Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION <u>RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE</u> FLIGHT STANDARDS SERVICES - FAR PART 97.33	Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC PACKET - 424-18 - RNAV (GPS)

[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP F35 K4FR02	ACIYAL	010CIYALK4EA0E	IF							18000		B JS	
SUSAP F35 K4FR02	ACIYAL	020MREEKK4EA0E	A 020TF			14150163		+ 03500				B JS	
SUSAP F35 K4FR02	ACIYAL	030ZOOOOK4EA0EE	B 010TF			11340050		+ 03200				B JS	
SUSAP F35 K4FR02	AMQP	010MQP K4D 0V	IF							18000		B JS	
SUSAP F35 K4FR02	AMQP	020GBOEK4EA0E	A 020TF			26220236		+ 03500				B JS	
SUSAP F35 K4FR02	AMQP	030ZOOOOK4EA0EE	B 010TF			29350050		+ 03200				B JS	
SUSAP F35 K4FR02	AZOOOO	010ZOOOOK4EA0EE	AR HF			02350040		+ 03200		18000		B JS	
SUSAP F35 K4FR02	R	010ZOOOOK4EA0E	I IF					+ 03200		18000		B JS	
SUSAP F35 K4FR02	R	020JAMGUK4EA1E	F 051TF			02350061		+ 02600			RW02	K4PGB	JS
SUSAP F35 K4FR02	R	020JAMGUK4EA2WN		N		ALNAV							JS
SUSAP F35 K4FR02	R	021ANIPEK4EA0E	S 031TF			02350023		+ 01840				B JS	
SUSAP F35 K4FR02	R	030RW02 K4PG0GY	M 031TF			02350025		01640		000		B JS	
SUSAP F35 K4FR02	R	040	0 M CA			0235		+ 01408				B JS	
SUSAP F35 K4FR02	R	050ZOOOOK4EA0EY	R DF					+ 03200				B JS	
SUSAP F35 K4FR02	R	060ZOOOOK4EA0EE	R HM			02350040		+ 03200				B JS	

[illegible][illegible]

CITY AND STATE
GRAFORD, TX

ELEVATION: 1008	TDZE: 1008
AIRPORT NAME:	
POSSUM KINGDOM	

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
RNAV (GPS) RWY 2, ORIG-B
 21 AUGUST 2014

SUP:	
AMDT:	ORIG-A
DATED:	02/07/2013

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

QUALITY
9
CHECKED

CITY AND STATE GRAFORD, TX	ELEVATION: 1008 AIRPORT NAME: TDZE: 1008 POSSUM KINGDOM	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 2, ORIG-B 21 AUGUST 2014	SUP:
				AMDT: ORIG-A
				DATED: 02/07/2013

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION								Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.				
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE												
FLIGHT STANDARDS SERVICES - FAR PART 97.33												
ARINC SUMMARY - 424-18 - RNAV (GPS)												
ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	CIYAL	CIYAL	010		IF		FB					
	CIYAL	MREEK	020	IAF	TF		FB	2.0	141.5 (148.5T)	016.3	AA 03500	
	CIYAL	ZOOOO	030		TF		FB	1.0	113.4 (120.4T)	005.0	AA 03200	
	MQP	MQP	010		IF		FB					
	MQP	OGBOE	020	IAF	TF		FB	2.0	262.2 (269.2T)	023.6	AA 03500	
	MQP	ZOOOO	030		TF		FB	1.0	293.5 (300.5T)	005.0	AA 03200	
	ZOOOO	ZOOOO	010	IAF	HF	R	FO		023.5 (030.5T)	004.0	AA 03200	
		ZOOOO	010	FACF	IF		FB				AA 03200	
		JAMGU	020	FAF	TF		FB	0.5	023.5 (030.5T)	006.1	AA 02600	
		ANIPE	021	SDF	TF		FB	0.3	023.5 (030.5T)	002.3	AA 01840	
		RW02	030	MAP	TF		FO	0.3	023.5 (030.5T)	002.5	AT 01640	
MISSED APPROACH		FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
			040		CA		FB		023.5 (030.5T)		AA 01408	
		ZOOOO	050		DF	R	FO				AA 03200	
		ZOOOO	060		HM	R	FO		023.5 (030.5T)	004.0	AA 03200	
POINT DATA		WAYPOINT			LAT IN SECS		LONG IN SECS		LAT IN MINS		LONG IN MINS	
		MQP			N324334.25		W0975950.79		N3243.571		W09759.847	
		ANIPE			N325259.57		W0982753.63		N3252.993		W09827.894	
		CIYAL			N330211.37		W0984809.74		N3302.190		W09848.162	
		JAMGU			N325059.97		W0982917.11		N3251.000		W09829.285	
		MREEK			N324816.19		W0983804.17		N3248.270		W09838.070	
		OGBOE			N324311.42		W0982750.84		N3243.190		W09827.847	
		ZOOOO			N324543.91		W0983257.36		N3245.732		W09832.956	
		RW02			N325509.05		W0982623.17		N3255.151		W09826.386	
RUNWAY DATA				THRESHOLD								
		RWY		ELEVATION		TCH						
		RW02	01008			40						



CITY AND STATE GRAFORD, TX	ELEVATION: 1008	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 2, ORIG-B 21 AUGUST 2014	SUP:
	TDZE: 1008			AMDT: ORIG-A
	AIRPORT NAME: POSSUM KINGDOM			DATED: 02/07/2013

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33						Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.											
TERMINAL ROUTES										MISSED APPROACH							
FROM		TO		COURSE AND DISTANCE			ALTITUDE		LNAV: RW20								
CIYAL		HIPLA (FB)		067.65 / 20.54			3500		CLIMB TO 3200 DIRECT ZOOOO AND HOLD.								
MQP VORTAC		COSOV (FB)		320.22 / 22.49			3500										
HIPLA (IAF)		JAEPE (NOPT) (FB)		113.53 / 5.00			3200										
COSOV (IAF)		JAEPE (NOPT) (FB)		293.63 / 5.00			3200										
MUZZO (IAF)		JAEPE (NOPT) (FB)		195.09 / 10.82			3200										
JAEPE (IF/IAF)		KEHRE (FB)		203.58 / 6.09			2600		ADDITIONAL FLIGHT DATA: HOLD SW, RT, 023.46 INBOUND. CHART FAS OBST: 1368 TREE 325836N/0982239W CHART: 1488 TOWER 325930N/0982328W								
KEHRE (FAF)		RW20 (MAP) (FO)		203.55 / 4.81													
(SEE FORM 8260-10)																	
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF)												MAG VAR: 7E EPOCH YEAR: 1985					
2. HOLD NE JAEPE, RT, 203.58 INBOUND, 3200 FT. IN LIEU OF PT (IAF)																	
3. FAC: <u>203.55</u> FAF: KEHRE <u> </u> DIST FAF TO MAP: <u>4.81</u> THLD: <u>4.81</u>																	
4. MIN. ALT: JAEPE 3200, KEHRE 2600																	
5. DIST TO THLD FROM OM: <u> </u> MM: <u> </u> IM: <u> </u> 150 HAT: <u> </u> 100 HAT: <u> </u> GS ANT: <u> </u>																	
6. MIN GS INCPT: <u> </u> GS ALT AT: <u> </u> OM: <u> </u> MM: <u> </u> IM: <u> </u>																	
7. GS ANGLE: <u> </u> TCH: 34:1 IS NOT CLEAR																	
8. MSA FROM: RW20 3600																	
MINIMUMS																	
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT										ALTERNATE: N A X							
CATEGORY =====>		A			B			C			D			E			
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA		
LNAV MDA	1680	1	672	1680	1	672	1680	2	672		NA						
CIRCLING	1700	1	692	1860	1 1/4	852	1860	2 1/2	852		NA						
NOTES: CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: PROCEDURE NA AT NIGHT. CHART PROFILE NOTE: DESCENT ANGLE NA. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. (SEE FORM 8260-10)																	
CITY AND STATE				ELEVATION: 1008 TDZE: 1008				FACILITY IDENTIFIER: RNAV				PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:	
GRAFORD, TX				AIRPORT NAME:				RNAV (GPS) RWY 20, ORIG-B				21 AUGUST 2014				AMDT: ORIG-A	
				POSSUM KINGDOM												DATED 02/07/2013	



US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION			Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.													
RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33																
TERMINAL ROUTES, (CONT.):																
<table><tr><td>FROM</td><td>TO</td><td>COURSE AND DISTANCE</td><td>ALTITUDE</td></tr><tr><td>RW20 (MAP)</td><td>1408 MSL</td><td>203.55</td><td></td></tr><tr><td>1408 MSL</td><td>Z0000 (FO)</td><td></td><td>3200</td></tr></table>					FROM	TO	COURSE AND DISTANCE	ALTITUDE	RW20 (MAP)	1408 MSL	203.55		1408 MSL	Z0000 (FO)		3200
FROM	TO	COURSE AND DISTANCE	ALTITUDE													
RW20 (MAP)	1408 MSL	203.55														
1408 MSL	Z0000 (FO)		3200													
NOTES, (CONT.): CHART NOTE: USE MINERAL WELLS ALTIMETER SETTING; WHEN NOT RECEIVED, USE DECATUR MUNI ALTIMETER SETTING AND INCREASE ALL MDA 80 FEET; INCREASE LNAV CATS B AND C AND CIRCLING CAT C VISIBILITY 1/4 MILE. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL AT CIYAL VIA V16 SOUTHWEST BOUND AND FOR ARRIVAL AT MQP VORTAC VIA V18 EASTBOUND AND V17-161 SOUTHBOUND.																
QUALITY 4 CHECKED																
CITY AND STATE	ELEVATION: 1008	TDZE: 1008	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:												
GRAFORD, TX	AIRPORT NAME:		RNAV	RNAV (GPS) RWY 20, ORIG-B												
	POSSUM KINGDOM			21 AUGUST 2014												
			SUP:													
			AMDT:	ORIG												
			DATED:	02/11/2010												

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION <u>RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE</u> FLIGHT STANDARDS SERVICES - FAR PART 97.33	Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION <u>RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE</u> FLIGHT STANDARDS SERVICES - FAR PART 97.33	Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC PACKET - 424-18 - RNAV (GPS)

[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP F35 K4FR20	ACIYAL	010CIYALK4EA0E	IF							18000		B JS	
SUSAP F35 K4FR20	ACIYAL	020HIPLAK4EA0E	A 020TF			06770205	+	03500				B JS	
SUSAP F35 K4FR20	ACIYAL	030JAPEPK4EA0EE	B 010TF			11350050	+	03200				B JS	
SUSAP F35 K4FR20	AJAPPEP	010JAPEPK4EA0EE	AR HF			20360040	+	03200		18000		B JS	
SUSAP F35 K4FR20	AMQP	010MQP K4D 0V	IF							18000		B JS	
SUSAP F35 K4FR20	AMQP	020COSOVK4EA0E	A 020TF			32020225	+	03500				B JS	
SUSAP F35 K4FR20	AMQP	030JAPEPK4EA0EE	B 010TF			29360050	+	03200				B JS	
SUSAP F35 K4FR20	AMUZZO	010MUZZOK4EA0E	A IF							18000		B JS	
SUSAP F35 K4FR20	AMUZZO	020JAPEPK4EA0EE	B 010TF			19510108	+	03200				B JS	
SUSAP F35 K4FR20	R	010JAPEPK4EA0E	I IF				+	03200		18000		B JS	
SUSAP F35 K4FR20	R	020KEHREK4EA1E	F 051TF			20360061	+	02600			RW20 K4PGB	JS	
SUSAP F35 K4FR20	R	020KEHREK4EA2WN		N	ALNAV							JS	
SUSAP F35 K4FR20	R	030RW20 K4PGOGY	M 031TF			20360048		01680		000		B JS	
SUSAP F35 K4FR20	R	040	0 M CA			2036	+	01408				B JS	
SUSAP F35 K4FR20	R	050ZOOOOK4EA0EY	DF				+	03200				B JS	
SUSAP F35 K4FR20	R	060ZOOOOK4EA0EE	R HM			02350040	+	03200				B JS	

[illegible]

CITY AND STATE
GRAFORD, TX

ELEVATION: 1008	TDZE: 1008
AIRPORT NAME:	
POSSUM KINGDOM	

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 20, ORIG-B 21 AUGUST 2014

SUP:	
AMDT:	ORIG-A
DATED:	02/07/2013

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICES - FAR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

SUSAP F35 K4GRW20 0035002035 N32553889W098260231+0000 +0278101008000040060R

	1	2	3	4	5	6	7	8	9	0	1	2	3
MSA	1	2	3	4	5	6	7	8	9	0	1	2	3

	SUSAP F35 K4SRW20 K4PG 0 18018003625												M

QUALITY
4
CHECKED

CITY AND STATE
GRAFORD, TX

ELEVATION: **1008** TDZE: **1008**
AIRPORT NAME:
POSSUM KINGDOM

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
RNAV (GPS) RWY 20, ORIG-B
21 AUGUST 2014

SUP:
AMDT: **ORIG-A**
DATED: **02/07/2013**

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION								Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.				
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE												
FLIGHT STANDARDS SERVICES - FAR PART 97.33												
ARINC SUMMARY - 424-18 - RNAV (GPS)												
ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	CIYAL	CIYAL	010		IF		FB					
	CIYAL	HIPLA	020	IAF	TF		FB	2.0	067.7 (074.7T)	020.5	AA 03500	
	CIYAL	JAPEP	030		TF		FB	1.0	113.5 (120.5T)	005.0	AA 03200	
	JAPEP	JAPEP	010	IAF	HF	R	FO		203.6 (210.6T)	004.0	AA 03200	
	MQP	MQP	010		IF		FB					
	MQP	COSOV	020	IAF	TF		FB	2.0	320.2 (327.2T)	022.5	AA 03500	
	MQP	JAPEP	030		TF		FB	1.0	293.6 (300.6T)	005.0	AA 03200	
	MUZZO	MUZZO	010	IAF	IF		FB					
	MUZZO	JAPEP	020		TF		FB	1.0	195.1 (202.1T)	010.8	AA 03200	
		JAPEP	010	FACF	IF		FB				AA 03200	
		KEHRE	020	FAF	TF		FB	0.5	203.6 (210.6T)	006.1	AA 02600	
		RW20	030	MAP	TF		FO	0.3	203.6 (210.6T)	004.8	AT 01680	
MISSED APPROACH		FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
			040		CA		FB		203.6 (210.6T)		AA 01408	
		ZOOOO	050		DF		FO				AA 03200	
		ZOOOO	060		HM	R	FO		023.5 (030.5T)	004.0	AA 03200	
POINT DATA		WAYPOINT	LAT IN SECS		LONG IN SECS		LAT IN MINS		LONG IN MINS			
		MQP	N324334.25		W0975950.79		N3243.571		W09759.847			
		CIYAL	N330211.37		W0984809.74		N3302.190		W09848.162			
		COSOV	N330230.18		W0981419.77		N3302.503		W09814.330			
		HIPLA	N330736.01		W0982434.56		N3307.600		W09824.576			
		JAPEP	N330503.20		W0981927.02		N3305.053		W09819.450			
		KEHRE	N325947.87		W0982308.11		N3259.798		W09823.135			
		MUZZO	N331505.70		W0981436.52		N3315.095		W09814.609			
		ZOOOO	N324543.91		W0983257.36		N3245.732		W09832.956			
		RW20	N325538.89		W0982602.31		N3255.648		W09826.039			
RUNWAY DATA		RWY	THRESHOLD ELEVATION		TCH							
		RW20	01008		40							



CITY AND STATE GRAFORD, TX	ELEVATION: 1008	TDZE: 1008	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 20, ORIG-B 21 AUGUST 2014	SUP:
	AIRPORT NAME: POSSUM KINGDOM		RNAV		AMDT: ORIG-A
					DATED: 02/07/2013

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION		RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33		Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.											
TERMINAL ROUTES										MISSED APPROACH					
FROM		TO		COURSE AND DISTANCE			ALTITUDE		LP: RW15 LNAV: RW15						
CWK VORTAC		DIFFA (FO)		298.58 / 32.92			4100		CLIMB TO 1700 THEN CLIMBING RIGHT TURN TO 4100 DIRECT DIFFA AND HOLD.						
LLO VORTAC (IAF)		DIFFA (NOPT) (FB)		091.60 / 38.71			4100								
DIFFA (IF/IAF)		YUPUT (FB)		154.25 / 6.20			3200								
YUPUT (FAF)		ZATMA/2.90 NM TO RW15 (FB)		154.27 / 3.16											
ZATMA/2.90 NM TO RW15		RW15 (MAP) (FO)		154.27 / 2.90					ADDITIONAL FLIGHT DATA: CHART FAS OBST: 1339 TREE 303255N/0975935W CHART FAS OBST: 1359 TREE 303205N/0975938W WAAS CHANNEL # 81831 REFERENCE PATH ID: W15A LTP HAE: 349.8 M						
RW15 (MAP)		1700 MSL		154.27			1700								
1700 MSL		DIFFA (FO)					4100								
1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)										MAG VAR: 7E EPOCH YEAR: 1980					
2. HOLD NW DIFFA, RT, 154.25 INBOUND, 4100 FT. IN LIEU OF PT (IAF)															
3. FAC: 154.27 FAF: YUPUT DIST FAF TO MAP: 6.06 THLD: 6.06															
4. MIN. ALT: DIFFA 4100, YUPUT 3200, ZATMA/2.90 NM TO RW15 2180															
5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:															
6. MIN GS INCPT: GS ALT AT: OM: MM: IM:															
7. GS ANGLE: TCH: 34:1 IS NOT CLEAR															
8. MSA FROM: RW15 4100															
MINIMUMS															
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT							ALTERNATE: N A		STANDARD @						
CATEGORY >>>>>>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LP MDA	1600	1	370	1600	1	370		NA			NA				
LNAV MDA	1620	1	390	1620	1	390		NA			NA				
CIRCLING	1660	1	430	1700	1	470		NA			NA				
NOTES: CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE BURNET ALTIMETER SETTING AND INCREASE @ NA WHEN LOCAL WEATHER NOT AVAILABLE. ALL MDA 60 FT. CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: PROCEDURE NA AT NIGHT. (SEE FORM 8260-10)															
CITY AND STATE LAGO VISTA, TX		ELEVATION: 1230 TDZE: 1230 AIRPORT NAME: LAGO VISTA TX - RUSTY ALLEN		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 15, ORIG-A 21 AUGUST 2014				SUP: AMDT: ORIG DATED 09/20/2012					

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

NOTES, (CONT.):

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON LLO VORTAC AIRWAY RADIALS 018 CW 165 AND ON CWK VORTAC AIRWAY RADIALS 222 CW 004.

CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1SM NOT AUTHORIZED.

CHART PROFILE NOTE: DESCENT ANGLE NA.



CITY AND STATE

LAGO VISTA, TX

ELEVATION: 1230

TDZE: 1230

AIRPORT NAME:

LAGO VISTA TX - RUSTY ALLEN

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 15, ORIG-A
21 AUGUST 2014

SUP:

AMDT: **ORIG**

DATED: **09/20/2012**

RNAV STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KRYW
RUNWAY	RW15
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W15A
LTP/FTP LATITUDE	303012.7625N
LTP/FTP LONGITUDE	0975817.0360W
LTP/FTP ELLIPSOIDAL HEIGHT	+03498
FPAP LATITUDE	302848.1700N
FPAP LONGITUDE	0975743.9600W
THRESHOLD CROSSING HEIGHT (TCH)	00000.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	00.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1592
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	0.0
<u>CRC REMAINDER</u>	B0893A98

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+03750
FPAP ORTHOMETRIC HEIGHT	+03750

QUALITY
9
CHECKED

CITY AND STATE LAGO VISTA, TX	ELEVATION: 1230 AIRPORT NAME: LAGO VISTA TX - RUSTY ALLEN	TDZE: 1230	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 15, ORIG-A 21 AUGUST 2014	SUP:
					AMDT: ORIG
					DATED: 09/20/2012

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

Page 4 of 6 Pages

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION <u>RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE</u> FLIGHT STANDARDS SERVICES - FAR PART 97.33	Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION <u>RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE</u> FLIGHT STANDARDS SERVICES - FAR PART 97.33	Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

[illegible][illegible][illegible]

CITY AND STATE
LAGO VISTA, TX

ELEVATION: 1230	TDZE: 1230
AIRPORT NAME:	
LAGO VISTA TX - RUSTY ALLEN	

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
RNAV (GPS) RWY 15, ORIG-A
 21 AUGUST 2014

SUP:	
AMDT:	ORIG
DATED:	09/20/2012

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION								Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.				
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE												
FLIGHT STANDARDS SERVICES - FAR PART 97.33												
ARINC SUMMARY - 424-18 - RNAV (GPS)												
ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	CWK	CWK	010		IF		FB					
	CWK	DIFFA	020		TF		FO	2.0	298.6 (305.6T)	032.9	AA 04100	
	CWK	DIFFA	030	IAF	HF	R	FO		154.3 (161.3T)	005.0	AA 04100	
	LLO	LLO	010	IAF	IF		FB					
	LLO	DIFFA	020		TF		FB	1.0	091.6 (098.6T)	038.7	AA 04100	
		DIFFA	010	FACF	IF		FB				AA 04100	
		YUPUT	020	FAF	TF		FB	0.5	154.3 (161.3T)	006.2	AA 03200	
		ZATMA	021	SDF	TF		FB	0.3	154.3 (161.3T)	003.2	AA 02180	
		RW15	030	MAP	TF		FO	0.3	154.3 (161.3T)	002.9	AT 01620	
MISSED APPROACH		FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
			040		CA		FB		154.3 (161.3T)		AA 01700	
		DIFFA	050		DF	R	FO				AA 04100	
		DIFFA	060		HM	R	FO		154.3 (161.3T)	005.0	AA 04100	
POINT DATA		WAYPOINT	LAT IN SECS		LONG IN SECS		LAT IN MINS		LONG IN MINS			
		CWK	N302242.78		W0973147.45		N3022.713		W09731.791			
		LLO	N304746.83		W0984714.60		N3047.781		W09847.243			
		DIFFA	N304151.02		W0980250.73		N3041.850		W09802.846			
		YUPUT	N303557.78		W0980032.12		N3035.963		W09800.535			
		ZATMA	N303257.94		W0975921.68		N3032.966		W09759.361			
		RW15	N303012.76		W0975817.04		N3030.213		W09758.284			
RUNWAY DATA		RWY	THRESHOLD ELEVATION		TCH							
		RW15	01230		00							



CITY AND STATE LAGO VISTA, TX	ELEVATION: 1230	TDZE: 1230	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME: LAGO VISTA TX - RUSTY ALLEN		RNAV	RNAV (GPS) RWY 15, ORIG-A	AMDT: ORIG
				21 AUGUST 2014	DATED: 09/20/2012

[4910-13]

DEPARTMENT OF TRANSPORTATION

Federal Aviation Administration

14 CFR Part 97

[Docket No. [30966](#); Amdt. No. [3598](#)]

Standard Instrument Approach Procedures, and Takeoff Minimums and Obstacle Departure Procedures; Miscellaneous Amendments

AGENCY: Federal Aviation Administration (FAA), DOT.

ACTION: Final Rule.

SUMMARY: This rule amends, suspends, or revokes Standard Instrument Approach Procedures (SIAPs) and associated Takeoff Minimums and Obstacle Departure Procedures for operations at certain airports. These regulatory actions are needed because of the adoption of new or revised criteria, or because of changes occurring in the National Airspace System, such as the commissioning of new navigational facilities, adding new obstacles, or changing air traffic requirements. These changes are designed to provide safe and efficient use of the navigable airspace and to promote safe flight operations under instrument flight rules at the affected airports.

DATES: This rule is effective [INSERT DATE OF PUBLICATION IN THE FEDERAL REGISTER]. The compliance date for each SIAP, associated Takeoff Minimums, and ODP is specified in the amendatory provisions.

The incorporation by reference of certain publications listed in the regulations is approved by the Director of the Federal

Register as of [INSERT DATE OF ² PUBLICATION IN THE FEDERAL REGISTER].

ADDRESSES: Availability of matter incorporated by reference in the amendment is as follows:

For Examination -

1. FAA Rules Docket, FAA Headquarters Building, 800 Independence Avenue, SW, Washington, DC 20591;

2. The FAA Regional Office of the region in which the affected airport is located;

3. The National Flight Procedures Office, 6500 South MacArthur Blvd., Oklahoma City, OK 73169 or,

4. The National Archives and Records Administration (NARA). For information on the availability of this material at NARA, call 202-741-6030, or go to:

http://www.archives.gov/federal_register/code_of_federal_regulations/ibr_locations.html.

Availability - All SIAPs are available online free of charge.

Visit nfdc.faa.gov to register. Additionally, individual SIAP and Takeoff Minimums and ODP copies may be obtained from:

1. FAA Public Inquiry Center (APA-200), FAA Headquarters Building, 800 Independence Avenue, SW., Washington, DC 20591; or

2. The FAA Regional Office of the region in which the affected airport is located.

FOR FURTHER INFORMATION CONTACT: Richard A. Dunham III, Flight Procedure Standards Branch (AFS-420) Flight Technologies and Programs Division, Flight Standards Service, Federal Aviation Administration, Mike Monroney Aeronautical Center, 6500 South

3

MacArthur Blvd., Oklahoma City, OK. 73169 (Mail Address: P.O. Box 25082 Oklahoma City, OK. 73125) telephone: (405) 954-4164.

SUPPLEMENTARY INFORMATION: This rule amends Title 14, Code of Federal Regulations, Part 97 (14 CFR part 97) by amending the referenced SIAPs. The complete regulatory description of each SIAP is listed on the appropriate FAA Form 8260, as modified by the National Flight Data Center (FDC)/Permanent Notice to Airmen (P-NOTAM), and is incorporated by reference in the amendment under 5 U.S.C. 552(a), 1 CFR part 51, and §97.20 of Title 14 of the Code of Federal Regulations.

The large number of SIAPs, their complex nature, and the need for a special format make their verbatim publication in the Federal Register expensive and impractical. Further, airmen do not use the regulatory text of the SIAPs, but refer to their graphic depiction on charts printed by publishers of aeronautical materials. Thus, the advantages of incorporation by reference are realized and publication of the complete description of each SIAP contained in FAA form documents is unnecessary. This amendment provides the affected CFR sections and specifies the types of SIAP and the corresponding effective dates. This amendment also identifies the airport and its location, the procedure and the amendment number.

THE RULE

This amendment to 14 CFR part 97 is effective upon publication of each separate SIAP as amended in the transmittal. For safety and timeliness of change considerations, this amendment incorporates only specific changes contained for each SIAP as modified by FDC/P-NOTAMs.

The SIAPs, as modified by FDC P-NOTAM, and contained in this amendment are based on the criteria contained in the U.S. Standard for Terminal Instrument Procedures (TERPS). In developing these changes to SIAPs, the TERPS criteria were applied only to specific conditions existing at the affected airports. All SIAP amendments in this rule have been previously issued by the FAA in a FDC NOTAM as an emergency action of immediate flight safety relating directly to published aeronautical charts. The circumstances which created the need for all these SIAP amendments requires making them effective in less than 30 days.

Because of the close and immediate relationship between these SIAPs and safety in air commerce, I find that notice and public procedure before adopting these SIAPs are impracticable and contrary to the public interest and, where applicable, that good cause exists for making these SIAPs effective in less than 30 days.

CONCLUSION

The FAA has determined that this regulation only involves an established body of technical regulations for which frequent and routine amendments are necessary to keep them operationally current. It, therefore--(1) is not a "significant regulatory action" under Executive Order 12866;(2) is not a "significant rule " under DOT Regulatory Policies and Procedures (44 FR 11034; February 26,1979) ; and (3)does not warrant preparation of a regulatory evaluation as the anticipated impact is so minimal. For the same reason, the FAA certifies that this amendment will not have a significant economic impact on a substantial number of small entities under the criteria of the Regulatory Flexibility Act.

List of Subjects in 14 CFR part 97:

Air Traffic Control, Airports, Incorporation by reference, and Navigation (Air).

Issued in Washington, DC on [JUNE 20, 2014](#).

A handwritten signature in black ink, appearing to read "John Duncan", with a long horizontal flourish extending to the right.

John Duncan
Director, Flight Standards Service

ADOPTION OF THE AMENDMENT

Accordingly, pursuant to the authority delegated to me, Title 14, Code of Federal regulations, Part 97, 14 CFR part 97, is amended by amending Standard Instrument Approach Procedures, effective at 0901 UTC on the dates specified, as follows:

Part 97 - Standard Instrument Approach Procedures

1. The authority citation for part 97 continues to read as follows:

AUTHORITY: 49 U.S.C. 106(g), 40103, 40106, 40113, 40114, 40120, 44502, 44514, 44701, 44719, 44721-44722.

2. Part 97 is amended to read as follows:

By amending: §97.23 VOR, VOR/DME, VOR or TACAN, and VOR/DME or TACAN; §97.25 LOC, LOC/DME, LDA, LDA/DME, SDF, SDF/DME; §97.27 NDB, NDB/DME; §97.29 ILS, ILS/DME, MLS, MLS/DME, MLS/RNAV; §97.31 RADAR SIAPs; §97.33 RNAV SIAPs; and §97.35 COPTER SIAPs, Identified as follows:

.....EFFECTIVE UPON PUBLICATION

AIRAC DATE	STATE	CITY	AIRPORT	FDC NUMBER	FDC DATE	SUBJECT
24-Jul-14	SC	Florence	Florence Rgnl	4/7548	06/04/14	This NOTAM, published in TL 14-15, is hereby rescinded in its entirety.
24-Jul-14	SC	Florence	Florence Rgnl	4/7549	06/04/14	This NOTAM, published in TL 14-15, is hereby rescinded in its entirety.
24-Jul-14	SC	Florence	Florence Rgnl	4/7550	06/04/14	This NOTAM, published in TL 14-15, is hereby rescinded in its entirety.
24-Jul-14	SC	Florence	Florence Rgnl	4/7551	06/04/14	This NOTAM, published in TL 14-15, is hereby rescinded in its entirety.
24-Jul-14	SC	Florence	Florence Rgnl	4/7552	06/04/14	This NOTAM, published in TL 14-15, is hereby rescinded in its entirety.
24-Jul-14	IN	Tell City	Perry County Muni	4/2474	06/06/14	RNAV (GPS) RWY 13, Orig
24-Jul-14	LA	Tallulah/ Vicksburg, MS	Vicksburg Tallulah Rgnl	4/2516	06/09/14	LOC RWY 36, Amdt 4
24-Jul-14	MN	Duluth	Duluth Intl	4/2616	06/06/14	ILS OR LOC RWY 9, ILS RWY 9 (SA CAT I), ILS RWY 9 (CAT II), Amdt 22
24-Jul-14	IA	Independence	Independence Muni	4/2618	06/06/14	RNAV (GPS) RWY 18, Orig
24-Jul-14	IA	Independence	Independence Muni	4/2619	06/06/14	NDB RWY 18, Amdt 3
24-Jul-14	IA	Independence	Independence Muni	4/2620	06/06/14	RNAV (GPS) RWY 36, Orig-A
24-Jul-14	MO	Kansas City	Charles B. Wheeler Downtown	4/2647	06/06/14	RNAV (GPS) RWY 19, Orig-A
24-Jul-14	MO	Kansas City	Charles B. Wheeler Downtown	4/2650	06/06/14	VOR RWY 19, Amdt 20
24-Jul-14	MO	Kansas City	Charles B. Wheeler Downtown	4/2651	06/06/14	NDB RWY 19, Amdt 18
24-Jul-14	MO	Kansas City	Charles B. Wheeler Downtown	4/2652	06/06/14	ILS OR LOC RWY 19, Amdt 23
24-Jul-14	SD	Miller	Miller Muni	4/3085	06/09/14	RNAV (GPS) RWY 33, Amdt 1
24-Jul-14	TX	Fort Worth	Fort Worth Spinks	4/3366	06/09/14	RNAV (GPS) RWY 17R, Amdt 1A
24-Jul-14	NE	Pender	Pender Muni	4/3368	06/09/14	RNAV (GPS) RWY 15, Orig
24-Jul-14	AK	Shungnak	Shungnak	4/3373	06/06/14	RNAV (GPS) RWY 27, Amdt 2
24-Jul-14	AK	Shungnak	Shungnak	4/3374	06/06/14	RNAV (GPS) RWY 9, Amdt 2
24-Jul-14	IL	Pinckneyville	Pinckneyville-Du Quoin	4/3568	06/09/14	RNAV (GPS) RWY 36, Orig-A

24-Jul-14	IL	Pinckneyville	Pinckneyville-Du Quoin	4/3569	06/09/14	RNAV (GPS) RWY 18, Amdt 1
24-Jul-14	LA	Springhill	Springhill	4/3761	06/06/14	RNAV (GPS) RWY 18, Orig
24-Jul-14	LA	Ruston	Ruston Rgnl	4/3762	06/09/14	RNAV (GPS) RWY 18, Orig
24-Jul-14	LA	Rayville	John H Hooks Jr Memorial	4/3767	06/06/14	RNAV (GPS) RWY 36, Amdt 2
24-Jul-14	LA	Rayville	John H Hooks Jr Memorial	4/3768	06/06/14	RNAV (GPS) RWY 18, Amdt 1
24-Jul-14	TX	Pecos	Pecos Muni	4/3793	06/06/14	RNAV (GPS) RWY 14, Orig
24-Jul-14	TX	Navasota	Navasota Muni	4/3854	06/06/14	RNAV (GPS) RWY 17, Orig
24-Jul-14	ND	Bismarck	Bismarck Muni	4/4437	06/06/14	RNAV (GPS) RWY 31, Amdt 1
24-Jul-14	OK	Oklahoma City	Sundance Airpark	4/4994	06/09/14	RNAV (GPS) RWY 35, Amdt 1
24-Jul-14	TX	Crosbyton	Crosbyton Muni	4/5140	06/06/14	RNAV (GPS) RWY 17, Orig
24-Jul-14	FL	Leesburg	Leesburg Intl	4/5188	06/02/14	RNAV (GPS) RWY 31, Amdt 1
24-Jul-14	NE	Atkinson	Stuart-Atkinson Muni	4/5202	06/09/14	RNAV (GPS) RWY 11, Amdt 1
24-Jul-14	SD	Sturgis	Sturgis Muni	4/5205	06/09/14	RNAV (GPS) RWY 11, Amdt 1
24-Jul-14	KS	Abilene	Abilene Muni	4/5476	06/09/14	RNAV (GPS) RWY 35, Amdt 1
24-Jul-14	KS	Abilene	Abilene Muni	4/5477	06/09/14	RNAV (GPS) RWY 17, Amdt 1
24-Jul-14	KS	Ottawa	Ottawa Muni	4/5659	06/06/14	RNAV (GPS) RWY 17, Amdt 1
24-Jul-14	TX	Houston	George Bush Intercontinental/Houston	4/5737	06/09/14	RNAV (GPS) Z RWY 8L, Amdt 5
24-Jul-14	TX	Houston	William P Hobby	4/5742	06/09/14	ILS OR LOC RWY 4, Amdt 41
24-Jul-14	WA	Seattle	Boeing Field/King County Intl	4/5823	06/09/14	RNAV (GPS) Y RWY 13R, Orig-C
24-Jul-14	TX	Houston	George Bush Intercontinental/Houston	4/6081	06/09/14	RNAV (RNP) Y RWY 27, Amdt 1
24-Jul-14	TX	Houston	George Bush Intercontinental/Houston	4/6220	06/09/14	RNAV (GPS) Z RWY 8R, Amdt 4
24-Jul-14	IA	Belle Plaine	Belle Plaine Muni	4/6653	06/09/14	RNAV (GPS) RWY 36, Orig
24-Jul-14	IA	Belle Plaine	Belle Plaine Muni	4/6654	06/09/14	RNAV (GPS) RWY 18, Orig
24-Jul-14	TX	Houston	George Bush Intercontinental/Houston	4/6726	06/09/14	RNAV (GPS) Z RWY 27, Amdt 4
24-Jul-14	TX	Houston	George Bush Intercontinental/Houston	4/6728	06/09/14	ILS OR LOC RWY 27, ILS RWY 27 (SA CAT I), ILS RWY 27 (CAT II & III), Amdt 10

24-Jul-14	TX	Houston	George Bush Intercontinental/ Houston	4/6731	06/09/14	ILS OR LOC RWY 8R, ILS RWY 8R (SA CAT I & II), Amdt 25
24-Jul-14	OH	Bellefontaine	Bellefontaine Rgnl	4/6855	06/09/14	VOR/DME RWY 25, Orig-A
24-Jul-14	OH	Bellefontaine	Bellefontaine Rgnl	4/7070	06/09/14	RNAV (GPS) RWY 25, Amdt 1
24-Jul-14	MO	Ava	Ava Bill Martin Memorial	4/7263	06/06/14	RNAV (GPS) RWY 13, Orig
24-Jul-14	MO	Ava	Ava Bill Martin Memorial	4/7264	06/06/14	RNAV (GPS) RWY 31, Orig
24-Jul-14	OK	Stigler	Stigler Rgnl	4/7555	06/09/14	RNAV (GPS) RWY 35, Amdt 1
24-Jul-14	OK	Stigler	Stigler Rgnl	4/7556	06/09/14	RNAV (GPS) RWY 17, Orig
24-Jul-14	TX	Houston	George Bush Intercontinental/ Houston	4/7926	06/09/14	ILS OR LOC RWY 8L, ILS RWY 8L (CAT II & III), ILS RWY 8L (SA CAT I), Amdt 4
24-Jul-14	TX	Houston	George Bush Intercontinental/ Houston	4/7928	06/09/14	ILS OR LOC RWY 26L, ILS RWY 26L (SA CAT I), ILS RWY 26L (CAT II & III), Amdt 21
24-Jul-14	AZ	Fort Huachuca Sierra Vista	Sierra Vista Muni- Libby AAF	4/8017	06/06/14	ILS OR LOC RWY 26, Amdt 4A
24-Jul-14	IL	Canton	Ingersoll	4/8440	06/06/14	RNAV (GPS) RWY 18, Amdt 1
24-Jul-14	AK	Dillingham	Dillingham	4/9696	06/06/14	RNAV (GPS) RWY 19, Amdt 2B
24-Jul-14	AK	Dillingham	Dillingham	4/9699	06/06/14	LOC/DME RWY 19, Amdt 6B
24-Jul-14	AK	Dillingham	Dillingham	4/9700	06/06/14	VOR RWY 1, Amdt 9B
24-Jul-14	AK	Dillingham	Dillingham	4/9703	06/06/14	RNAV (GPS) RWY 1, Amdt 2B
24-Jul-14	AK	Dillingham	Dillingham	4/9708	06/06/14	VOR/DME RWY 19, Amdt 7A
24-Jul-14	KS	Stockton	Rooks County	4/9787	06/09/14	RNAV (GPS) RWY 36, Orig-A
24-Jul-14	KS	Stockton	Rooks County	4/9788	06/09/14	RNAV (GPS) RWY 18, Orig-A
24-Jul-14	MO	St Joseph	Rosecrans Memorial	4/9791	06/06/14	LOC BC RWY 17, Amdt 9
24-Jul-14	MO	St Joseph	Rosecrans Memorial	4/9794	06/06/14	RNAV (GPS) RWY 17, Amdt 1
24-Jul-14	IA	Guthrie Center	Guthrie County Rgnl	4/9903	06/09/14	RNAV (GPS) RWY 18, Amdt 1
24-Jul-14	TX	Angleton/Lake Jackson	Texas Gulf Coast Rgnl	4/9930	06/06/14	ILS OR LOC RWY 17, Amdt 5

AIRAC Date: 24 JULY 2014

FDC **4/2474** TEL IAP PERRY COUNTY MUNI, TELL CITY, IN. RNAV (GPS) RWY 13, ORIG... LP HAT 358 ALL CATS. LNAV HAT 398 ALL CATS. CHART TDZE 642 DELETE THRE 608. THIS IS RNAV (GPS) RWY 13, ORIG-A. 1404141204-PERM

FDC **4/2516** TVR IAP VICKSBURG TALLULAH RGNL, TALLULAH/VICKSBURG, MS, LA. LOC RWY 36, AMDT 4... CHANGE THRE 86 TO TDZE 86. THIS IS LOC RWY 36, AMDT 4A. 1404141236-PERM

FDC **4/2616** DLH IAP DULUTH INTL, DULUTH, MN. ILS OR LOC RWY 9 AMDT 22... ILS RWY 9 (SA CAT I) AMDT 22... ILS RWY 9 (CAT II) AMDT 22... CHANGE THRE 1428 TO TDZE 1428... THIS IS ILS OR LOC RWY 9 AMDT 22A... THIS IS ILS RWY 9 (SA CAT I) AMDT 22A... THIS IS ILS RWY 9 (CAT II) AMDT 22A... 1404141315-PERM

FDC **4/2618** IIB IAP INDEPENDENCE MUNI, INDEPENDENCE, IA. RNAV (GPS) RWY 18, ORIG... CHANGE THRE 970 TO TDZE 970. THIS IS RNAV (GPS) RWY 18, ORIG-A. 1404141300-PERM

FDC **4/2619** IIB IAP INDEPENDENCE MUNI, INDEPENDENCE, IA. NDB RWY 18, AMDT 3... CHANGE THRE 970 TO TDZE 970. THIS IS NDB RWY 18, AMDT 3A. 1404141300-PERM

FDC **4/2620** IIB IAP INDEPENDENCE MUNI, INDEPENDENCE, IA. RNAV (GPS) RWY 36, ORIG-A... CHANGE THRE 979 TO TDZE 979. THIS IS RNAV (GPS) RWY 36, ORIG-B. 1404141300-PERM

FDC **4/2647** MKC IAP CHARLES B. WHEELER DOWNTOWN, KANSAS CITY, MO. RNAV (GPS) RWY 19, ORIG-A... CHANGE THRE 754 TO TDZE 754 DELETE NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW RVR 4000 NA. THIS IS RNAV (GPS) RWY 19, ORIG-B. 1404021757-PERM

FDC **4/2650** MKC IAP CHARLES B. WHEELER DOWNTOWN, KANSAS CITY, MO. VOR RWY 19, AMDT 20... CHANGE THRE 754 TO TDZE 754 DELETE NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW RVR 4000 NA. THIS IS VOR RWY 19, AMDT 20A. 1404021757-PERM

FDC **4/2651** MKC IAP CHARLES B. WHEELER DOWNTOWN, KANSAS CITY, MO. NDB RWY 19, AMDT 18... CHANGE THRE 754 TO TDZE 754 DELETE NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW RVR 4000 NA. THIS IS NDB RWY 19, AMDT 18A. 1404021757-PERM

FDC **4/2652** MKC IAP CHARLES B. WHEELER DOWNTOWN, KANSAS CITY, MO. ILS OR LOC RWY 19, AMDT 23... CHANGE THRE 754 TO TDZE 754 DELETE NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW RVR 4000 NA. THIS IS ILS OR LOC RWY 19, AMDT 23A. 1404021757-PERM

FDC **4/3085** MKA IAP MILLER MUNI, MILLER, SD. RNAV (GPS) RWY 33, AMDT 1... CHANGE THRE 1570 TO TDZE 1570. THIS IS RNAV (GPS) RWY 33, AMDT 1A. 1404142031-PERM

FDC **4/3366** FWS IAP FORT WORTH SPINKS, FORT WORTH, TX. RNAV (GPS) RWY 17R, AMDT 1A... CHANGE THRE 700 TO TDZE 700. DELETE NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NA. THIS IS RNAV (GPS) RWY 17R, AMDT 1B. 1404031615-PERM

FDC **4/3368** OC4 IAP PENDER MUNI, PENDER, NE. RNAV (GPS) RWY 15, ORIG... CHANGE THRE 1345 TO TDZE 1345. THIS IS RNAV (GPS) RWY 15, ORIG-A. 1404151120-PERM

FDC **4/3373** SHG IAP SHUNGNAC, SHUNGNAC, AK. RNAV (GPS) RWY 27, AMDT 2... LP HAT 335 ALL CATS. LNAV HAT 335 ALL CATS. CIRCLING HAA CAT A 395. CIRCLING HAA CAT B, C 455. CHANGE APT ELEV FROM 197 TO 205. CHART TDZE 205 DELETE THRE 197. THIS IS RNAV (GPS) RWY 27, AMDT 2A. 1404031618-PERM

FDC **4/3374** SHG IAP SHUNGNAC, SHUNGNAC, AK. RNAV (GPS) RWY 9, AMDT 2... LP HAT 288 ALL CATS. LNAV HAT 348 ALL CATS. CHART TDZE 192 DELETE THRE 166. CIRCLING CAT A HAA 395. CIRCLING CATS B, C HAA 455. CHANGE APT ELEV FROM 197 TO 205. THIS IS RNAV (GPS) RWY 9, AMDT 2A. 1404031618-PERM

FDC **4/3568** PJY IAP PINCKNEYVILLE-DU QUOIN, PINCKNEYVILLE, IL. RNAV (GPS) RWY 36, ORIG-A... CHANGE THRE 394 TO TDZE 394. THIS IS RNAV (GPS) RWY 36, ORIG-B. 1404151418-PERM

FDC **4/3569** PJY IAP PINCKNEYVILLE-DU QUOIN, PINCKNEYVILLE, IL. RNAV (GPS) RWY 18, AMDT 1... CHANGE THRE 400 TO TDZE 400. THIS IS RNAV (GPS) RWY 18, AMDT 1A. 1404151418-PERM

FDC **4/3761** SPH IAP SPRINGHILL, SPRINGHILL, LA. RNAV (GPS) RWY 18, ORIG... LPV DA 527. LNAV/VNAV DA 498. LNAV HAT 363 ALL CATS. CHART TDZE 217 DELETE THRE 206. THIS IS RNAV (GPS) RWY 18, ORIG-A. 1404032138-PERM

FDC **4/3762** RSN IAP RUSTON RGNL, RUSTON, LA. RNAV (GPS) RWY 18, ORIG... LPV DA 547. LNAV/VNAV DA 723. LNAV HAT 383 ALL CATS. CHART TDZE 297 DELETE THRE 276. THIS IS RNAV (GPS) RWY 18, ORIG-A. 1404032140-PERM

FDC **4/3767** M79 IAP JOHN H HOOKS JR MEMORIAL, RAYVILLE, LA. RNAV (GPS) RWY 36, AMDT 2... LPV DA 392. LNAV/VNAV DA 516. LNAV HAT 457 ALL CATS. CHART TDZE 83 DELETE THRE 81. THIS IS RNAV (GPS) RWY 36, AMDT 2A. 1404032140-PERM

FDC **4/3768** M79 IAP JOHN H HOOKS JR MEMORIAL, RAYVILLE, LA. RNAV (GPS) RWY 18, AMDT 1... LPV DA 415. LNAV/VNAV DA 559. LNAV HAT 397 ALL CATS. CHART TDZE 83 DELETE THRE 82. THIS IS RNAV (GPS) RWY 18, AMDT 1A. 1404032140-PERM

FDC **4/3793** PEQ IAP PECOS MUNI, PECOS, TX. RNAV (GPS) RWY 14, ORIG... CHANGE THRE 2608 TO TDZE 2608. THIS IS RNAV (GPS) RWY 14, ORIG-A. 1404151803-PERM

FDC **4/3854** 60R IAP NAVASOTA MUNI, NAVASOTA, TX. RNAV (GPS) RWY 17, ORIG... CHANGE THRE 229 TO TDZE 229. THIS IS RNAV (GPS) RWY 17, ORIG-A. 1404151905-PERM

FDC **4/4437** BIS IAP BISMARCK MUNI, BISMARCK, ND. RNAV (GPS) RWY 31, AMDT 1... CHANGE THRE 1645 TO TDZE 1645. THIS IS RNAV (GPS) RWY 31, AMDT 1A. 1404161911-PERM

FDC **4/4994** HSD IAP SUNDANCE AIRPARK, OKLAHOMA CITY, OK. RNAV (GPS) RWY 35, AMDT 1... CHANGE THRE 1193 TO TDZE 1193. THIS IS RNAV (GPS) RWY 35, AMDT 1A. 1404171645-PERM

FDC **4/5140** 8F3 IAP CROSBYTON MUNI, CROSBYTON, TX. RNAV (GPS) RWY 17, ORIG... CHANGE THRE 3018 TO TDZE 3018. THIS IS RNAV (GPS) RWY 17, ORIG-A. 1404171756-PERM

FDC **4/5188** LEE IAP LEESBURG INTL, LEESBURG, FL. RNAV (GPS) RWY 31, AMDT 1... LPV DA 323 ALL CATS. LNAV/VNAV DA 357 ALL CATS. LNAV HAT 427 ALL CATS. CHART TDZE 73 DELETE THRE 67. DELETE NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. THIS IS RNAV (GPS) RWY 31, AMDT 1A. 1404171811-PERM

FDC **4/5202** 8V2 IAP STUART-ATKINSON MUNI, ATKINSON, NE. RNAV (GPS) RWY 11, AMDT 1... CHANGE THRE 2131 TO TDZE 2131. THIS IS RNAV (GPS) RWY 11, AMDT 1A. 1404171821-PERM

FDC **4/5205** 49B IAP STURGIS MUNI, STURGIS, SD. RNAV (GPS) RWY 11, AMDT 1... CHANGE THRE 3244 TO TDZE 3244. THIS IS RNAV (GPS) RWY 11, AMDT 1A. 1404171825-PERM

FDC **4/5476** K78 IAP ABILENE MUNI, ABILENE, KS. RNAV (GPS) RWY 35, AMDT 1... LPV: DA 1468. LNAV/VNAV: DA 1468. LNAV: HAT 469 ALL CATS. CHART TDZE 1151 DELETE THRE 1150. THIS IS RNAV (GPS) RWY 35, AMDT 1A. 1404181134-PERM

FDC **4/5477** K78 IAP ABILENE MUNI, ABILENE, KS. RNAV (GPS) RWY 17, AMDT 1... CHANGE THRE 1152 TO TDZE 1153. THIS IS RNAV (GPS) RWY 17, AMDT 1A. 1404181134-PERM

FDC **4/5659** OWI IAP OTTAWA MUNI, OTTAWA, KS. RNAV (GPS) RWY 17, AMDT 1... CHANGE THRE 964 TO TDZE 964. THIS IS RNAV (GPS) RWY 17, AMDT 1A. 1404181648-PERM

FDC **4/5737** IAH IAP GEORGE BUSH INTERCONTINENTAL/HOUSTON, HOUSTON, TX. RNAV (GPS) Z RWY 8L, AMDT 5... ADD CHART MANDATORY 6000 AT GUSHR. ADD CHART MANDATORY 4000 AT BEPEA. THIS IS RNAV (GPS) Z RWY 8L, AMDT 5A. 1406041800-PERM

FDC **4/5742** HOU IAP WILLIAM P HOBBY, HOUSTON, TX. ILS OR LOC RWY 4, AMDT 41... ADD CHART MANDATORY 6000 AT GEEEO. ADD CHART MANDATORY 210 KIAS AT GEEEO. THIS IS ILS OR LOC RWY 4, AMDT 41A. 1406041806-PERM

FDC **4/5823** BFI IAP BOEING FIELD/KING COUNTY INTL, SEATTLE, WA. RNAV (GPS) Y RWY 13R, ORIG-C... DELETE NOTE: CIRCLING TO RWY 13L/31R NA AT NIGHT. DELETE NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART NOTE: CIRCLING TO RWY 31R NA AT NIGHT. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW RVR 4000 NOT AUTHORIZED. LNAV VISIBILITY CAT A/B RVR 4000, CAT C/D 1 3/4. DELETE NOTE: INOPERATIVE TABLE DOES NOT APPLY. THIS IS RNAV (GPS) Y RWY 13R, ORIG-D. 1406062042-PERM

FDC **4/6081** IAH IAP GEORGE BUSH INTERCONTINENTAL/HOUSTON, HOUSTON, TX. RNAV (RNP) Y RWY 27, AMDT 1... ADD CHART MANDATORY 4000 AT SPCTR. ADD CHART MANDATORY 3000 AT SYYKO. THIS IS RNAV (RNP) Y RWY 27, AMDT 1A. 1406041702-PERM

FDC **4/6220** IAH IAP GEORGE BUSH INTERCONTINENTAL/HOUSTON, HOUSTON, TX. RNAV (GPS) Z RWY 8R, AMDT 4... ADD CHART MANDATORY 7000 AT WDLNS. ADD CHART MANDATORY 8000 AT TTORO. THIS IS RNAV (GPS) Z RWY 8R, AMDT 4A. 1406041828-PERM

FDC **4/6653** TZT IAP BELLE PLAINE MUNI, BELLE PLAINE, IA. RNAV (GPS) RWY 36, ORIG... CHANGE THRE 769 TO TDZE 769. DELETE NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NA. DELETE NOTE: CIRCLING TO RWY 18 NA AT NIGHT. CHART NOTE: NIGHT LANDING RWY 18 NA. THIS IS RNAV (GPS) RWY 36, ORIG-A. 1404221510-PERM

FDC **4/6654** TZT IAP BELLE PLAINE MUNI, BELLE PLAINE, IA. RNAV (GPS) RWY 18, ORIG... CHANGE THRE 771 TO TDZE 771. DELETE NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NA. DELETE NOTE: STRAIGHT-IN/CIRCLING RWY PROCEDURE NA AT NIGHT. CHART NOTE: NIGHT LANDING RWY 18 NA. THIS IS RNAV (GPS) RWY 18, ORIG-A. 1404221510-PERM

FDC **4/6726** IAH IAP GEORGE BUSH INTERCONTINENTAL/HOUSTON, HOUSTON, TX. RNAV (GPS) Z RWY 27, AMDT 4... ADD CHART MANDATORY 6000 AT RDFSH. ADD CHART MANDATORY 4000 AT CLSIK. ADD CHART MANDATORY 4000 AT SPCTR. ADD CHART MANDATORY 3000 AT SYYKO. THIS IS RNAV (GPS) Z RWY 27, AMDT 4A. 1406041658-PERM

FDC **4/6728** IAH IAP GEORGE BUSH INTERCONTINENTAL/HOUSTON, HOUSTON, TX. ILS OR LOC RWY 27, AMDT 10... ILS RWY 27 (SA CAT I) AMDT 10 ILS RWY 27 (CAT II & CAT III) AMDT 10 ADD CHART MANDATORY 6000 AT RDFSH. ADD CHART MANDATORY 4000 AT SPCTR. ADD CHART MANDATORY 4000 AT CLSIK. ADD CHART MANDATORY 3000 AT SYYKO. ADD CHART MAXIMUM 210 KIAS AT RDFSH AND CLSIK. THIS IS ILS OR LOC RWY 27 AMDT 10A THIS IS ILS RWY 27 (SA CAT I) AMDT 10A. THIS IS ILS RWY 27 (CAT II & III), AMDT 10A. 1406041657-PERM

FDC **4/6731** IAH IAP GEORGE BUSH INTERCONTINENTAL/HOUSTON, HOUSTON, TX. ILS OR LOC RWY 8R, AMDT 25... ILS RWY 8R (SA CAT I & II) AMDT 25 ADD CHART MANDATORY 8000 AT TTORO. ADD CHART MANDATORY 7000 AT WDLNS. THIS IS ILS OR LOC RWY 8R AMDT 25A THIS IS ILS RWY 8R (SA CAT I & II), AMDT 25A. 1406041656-PERM

FDC **4/6855** EDJ IAP BELLEFONTAINE RGNL, BELLEFONTAINE, OH. VOR/DME RWY 25, ORIG-A... CHANGE TDZE FROM 1123 TO 1122. S-25 HAT 738 ALL CATS. CIRCLING HAA 738 ALL CATS. JAMES M. COX DAYTON INTL ALTIMETER SETTING MINIMUMS: S-25 HAT 818 ALL CATS. CIRCLING HAA 818 ALL CATS. CHANGE AIRPORT ELEVATION FROM 1123 TO 1122. THIS IS VOR/DME RWY 25, ORIG-B. 1404221959-PERM

FDC **4/7070** EDJ IAP BELLEFONTAINE RGNL, BELLEFONTAINE, OH. RNAV (GPS) RWY 25, AMDT 1... CHANGE THRE 1122 TO TDZE 1122. DELETE NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NA. THIS IS RNAV (GPS) RWY 25, AMDT 1A. 1406031354-PERM

FDC **4/7263** AOV IAP AVA BILL MARTIN MEMORIAL, AVA, MO. RNAV (GPS) RWY 13, ORIG... CHANGE THRE 1277 TO TDZE 1277. THIS IS RNAV (GPS) RWY 13, ORIG-A. 1404231411-PERM

FDC **4/7264** AOV IAP AVA BILL MARTIN MEMORIAL, AVA, MO. RNAV (GPS) RWY 31, ORIG... CHANGE THRE 1311 TO TDZE 1311. THIS IS RNAV (GPS) RWY 31, ORIG-A. 1404231411-PERM

FDC **4/7555** GZL IAP STIGLER RGNL, STIGLER, OK. RNAV (GPS) RWY 35, AMDT 1... LPV DA 850 LNAV/VNAV DA 850 LNAV HAT 580 CIRCLING HAA 580 CHANGE APT ELEV 599 TO APT ELEV 600 CHART TDZE 600 DELETE THRE 599. THIS IS RNAV (GPS) RWY 35, AMDT 1A. 1404231913-PERM

FDC **4/7556** GZL IAP STIGLER RGNL, STIGLER, OK. RNAV (GPS) RWY 17, ORIG... LP HAT 301 LNAV HAT 421 CIRCLING HAA 580 CHART TDZE 599 DELETE THRE 598 CHANGE APT ELEV 599 TO APT ELEV 600 DELETE NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NA. THIS IS RNAV (GPS) RWY 17, ORIG-A. 1404231913-PERM

FDC **4/7926** IAH IAP GEORGE BUSH INTERCONTINENTAL/HOUSTON, HOUSTON, TX. ILS OR LOC RWY 8L, AMDT 4... ILS RWY 8L (CAT II & III) AMDT 4 ILS RWY 8L (SA CAT I) AMDT 4 ADD CHART MANDATORY 6000 AT GUSHR. ADD CHART MANDATORY 4000 AT BEPEA. THIS IS ILS OR LOC RWY 8L AMDT 4A. THIS IS ILS RWY 8L (CAT II & III) AMDT 4A. THIS IS ILS RWY 8L (SA CAT I), AMDT 4A. 1406041701-PERM

FDC **4/7928** IAH IAP GEORGE BUSH INTERCONTINENTAL/HOUSTON, HOUSTON, TX. ILS OR LOC RWY 26L, AMDT 21... ILS RWY 26L (SA CAT I) AMDT 21 ILS RWY 26L (CAT II & III) AMDT 21 ADD CHART MAXIMUM 210 KIAS AT GARRR. THIS IS ILS OR LOC RWY 26L AMDT 21A THIS IS ILS RWY 26L (SA CAT I) AMDT 21A. THIS IS ILS RWY 26L (CAT II & III), AMDT 21A. 1406041657-PERM

FDC **4/8017** FHU IAP SIERRA VISTA MUNI-LIBBY AAF, FORT HUACHUCA SIERRA VISTA, AZ. ILS OR LOC RWY 26, AMDT 4A... S-LOC 26 MDA 5020/HAT 391 ALL CATS, VISIBILITY CATS C/D 1 1/4. THIS IS ILS OR LOC RWY 26, AMDT 4B. 1406042019-PERM

FDC **4/8440** CTK IAP INGERSOLL, CANTON, IL. RNAV (GPS) RWY 18, AMDT 1...
CHANGE THRE 682 TO TDZE 682. THIS IS RNAV (GPS) RWY 18, AMDT 1A.
1404101109-PERM

FDC **4/9696** DLG IAP DILLINGHAM, DILLINGHAM, AK. RNAV (GPS) RWY 19,
AMDT 2B... LP HAT 458 ALL CATS. LNAV HAT 458 ALL CATS. CIRCLING CATS
A,B,C HAA 518, CAT D HAA 558. CHANGE APT ELEV FROM 81 TO 82. CHART
TDZE 82 DELETE THRE 64. THIS IS RNAV (GPS) RWY 19, AMDT 2C. 1404102016-
PERM

FDC **4/9699** DLG IAP DILLINGHAM, DILLINGHAM, AK. LOC/DME RWY 19, AMDT
6B... S-19 HAT 458 ALL CATS. CIRCLING CATS A,B,C HAA 518, CAT D HAA 558.
CHANGE APT ELEV FROM 81 TO 82. CHANGE TDZE FROM 81 TO 82. THIS IS
LOC/DME RWY 19, AMDT 6C. 1404102016-PERM

FDC **4/9700** DLG IAP DILLINGHAM, DILLINGHAM, AK. VOR RWY 1, AMDT 9B... S-
1 HAT 418 ALL CATS. CIRCLING CAT A,B,C HAA 518, CAT D HAA 558. CHANGE
TDZE FROM 81 TO 82. CHANGE APT ELEV FROM 81 TO 82. THIS IS VOR RWY 1,
AMDT 9C. 1404102016-PERM

FDC **4/9703** DLG IAP DILLINGHAM, DILLINGHAM, AK. RNAV (GPS) RWY 1, AMDT
2B... LPV DA 332. LNAV/VNAV DA 459. LNAV HAT 558 ALL CATS. CIRCLING HAA
558 ALL CATS. CHART TDZE 82 DELETE THRE 74. CHANGE APT ELEV FROM 81
TO 82. THIS IS RNAV (GPS) RWY 1, AMDT 2C. 1404102016-PERM

FDC **4/9708** DLG IAP DILLINGHAM, DILLINGHAM, AK. VOR/DME RWY 19, AMDT
7A... S-19 HAT 458 ALL CATS. CIRCLING CATS A,B,C HAA 518, CAT D HAA 558.
CHANGE APT ELEV FROM 81 TO 82. CHANGE TDZE FROM 81 TO 82. THIS IS
VOR/DME RWY 19, AMDT 7B. 1404102016-PERM

FDC **4/9787** RCP IAP ROOKS COUNTY, STOCKTON, KS. RNAV (GPS) RWY 36,
ORIG-A... CHANGE THRE 1999 TO TDZE 1999. THIS IS RNAV (GPS) RWY 36,
ORIG-B. 1404102054-PERM

FDC **4/9788** RCP IAP ROOKS COUNTY, STOCKTON, KS. RNAV (GPS) RWY 18,
ORIG-A... CHANGE THRE 1999 TO TDZE 1999. THIS IS RNAV (GPS) RWY 18,
ORIG-B. 1404102054-PERM

FDC **4/9791** STJ IAP ROSECRANS MEMORIAL, ST JOSEPH, MO. LOC BC RWY
17, AMDT 9... S-17 HAT 373 ALL CATS. CIRCLING CATS A,B,C HAA 573, CAT D
HAA 673. CHANGE APT ELEV FROM 826 TO 827. CHANGE TDZE FROM 826 TO
827. THIS IS LOC BC RWY 17, AMDT 9A. 1404102056-PERM

FDC **4/9794** STJ IAP ROSECRANS MEMORIAL, ST JOSEPH, MO. RNAV (GPS)
RWY 17, AMDT 1... CHANGE THRE 827 TO TDZE 827. THIS IS RNAV (GPS) RWY
17, AMDT 1A. 1404102056-PERM

FDC **4/9903** GCT IAP GUTHRIE COUNTY RGNL, GUTHRIE CENTER, IA. RNAV (GPS) RWY 18, AMDT 1... CHART TDZE 1221 DELETE THRE 1221. THIS IS RNAV (GPS) RWY 18, AMDT 1A. 1403251327-PERM

FDC **4/9930** LBX IAP TEXAS GULF COAST RGNL, ANGLETON/LAKE JACKSON, TX. ILS OR LOC RWY 17, AMDT 5... CHANGE THRE 25 TO TDZE 25. THIS IS ILS OR LOC RWY 17, AMDT 5A. 1403251348-PERM