

U.S. Department
of Transportation

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

**Federal Aviation
Administration**

Transmittal Letter 14-19

August 1, 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 procedures, previously published in TL 14-17 on July 3rd, 2014, with an
effective date of 18 September 2014, have been rescinded in their entirety.**

Hastings, MI, Hastings, VOR RWY 12, Orig-E
Holland, MI, West Michigan Rgnl, VOR-A, Amdt 10D
Sparta, MI, Paul C. Miller-Sparta, VOR-A, Amdt 4A

[4910-13]

DEPARTMENT OF TRANSPORTATION

Federal Aviation Administration

14 CFR Part 97

[Docket No. [30972](#); Amdt. No. [3603](#)]

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 [AUGUST 1, 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 18 SEPTEMBER 2014

San Francisco, CA, San Francisco Intl, ILS OR LOC RWY 19L, Amdt 21
 San Francisco, CA, San Francisco Intl, RNAV (GPS) RWY 19L, Amdt 3
 San Francisco, CA, San Francisco Intl, RNAV (GPS) RWY 19R, Amdt 2
 San Francisco, CA, San Francisco Intl, VOR RWY 19L, Amdt 11
 Santa Ana, CA, John Wayne Airport-Orange County, Takeoff Minimums and Obstacle DP, Amdt 6
 Salida, CO, Harriet Alexander Field, Takeoff Minimums and Obstacle DP, Amdt 1
 Blairsville, GA, Blairsville, RNAV (GPS) RWY 8, Orig
 Blairsville, GA, Blairsville, Takeoff Minimums and Obstacle DP, Orig
 Webster City, IA, Webster City Muni, RNAV (GPS) RWY 32, Amdt 1
 Webster City, IA, Webster City Muni, Takeoff Minimums and Obstacle DP, Amdt 1
 Webster City, IA, Webster City Muni, VOR/DME RWY 14, Amdt 5
 Boise, ID, Boise Air Terminal/Gowen Fld, RNAV (GPS) Y RWY 10L, Amdt 2B
 Boise, ID, Boise Air Terminal/Gowen Fld, RNAV (GPS) Y RWY 10R, Amdt 1B
 Boise, ID, Boise Air Terminal/Gowen Fld, RNAV (RNP) X RWY 28L, Orig
 Boise, ID, Boise Air Terminal/Gowen Fld, RNAV (RNP) Z RWY 10L, Amdt 1
 Boise, ID, Boise Air Terminal/Gowen Fld, RNAV (RNP) Z RWY 10R, Amdt 1
 Boise, ID, Boise Air Terminal/Gowen Fld, RNAV (RNP) Z RWY 28L, Amdt 1
 Boise, ID, Boise Air Terminal/Gowen Fld, RNAV (RNP) Z RWY 28R, Amdt 1
 Chicago, IL, Chicago O'Hare Intl, RNAV (GPS) Z RWY 27L, Amdt 3C
 Chicago, IL, Chicago O'Hare Intl, RNAV (RNP) Y RWY 27L, Orig
 Flemingsburg, KY, Fleming-Mason, LOC/NDB RWY 25, Amdt 1
 Jennings, LA, Jennings, RNAV (GPS) RWY 8, Amdt 1
 Jennings, LA, Jennings, RNAV (GPS) RWY 26, Orig
 Bad Axe, MI, Huron County Memorial, RNAV (GPS) RWY 4, Orig-A
 Bad Axe, MI, Huron County Memorial, RNAV (GPS) RWY 17, Orig-A
 Bad Axe, MI, Huron County Memorial, RNAV (GPS) RWY 22, Orig-A
 Bad Axe, MI, Huron County Memorial, RNAV (GPS) RWY 35, Orig-A
 Bad Axe, MI, Huron County Memorial, VOR RWY 4, Amdt 11, CANCELED
 Bad Axe, MI, Huron County Memorial, VOR RWY 22, Amdt 10, CANCELED
 Bad Axe, MI, Huron County Memorial, VOR RWY 35, Amdt 1, CANCELED
 Detroit, MI, Detroit Metropolitan Wayne County, RNAV (GPS) RWY 4R, Amdt 2
 Beaufort, NC, Michael J. Smith Field, NDB RWY 14, Amdt 1A
 Statesville, NC, Statesville Rgnl, ILS OR LOC/DME Y RWY 28, Orig
 Buffalo, NY, Buffalo Niagara Intl, RNAV (RNP) Z RWY 5, Orig
 Buffalo, NY, Buffalo Niagara Intl, RNAV (RNP) Z RWY 23, Orig
 Brookings, SD, Brookings Rgnl, RNAV (GPS) RWY 30, Orig
 Crossville, TN, Crossville Memorial-Whitson Field, ILS Y OR LOC Y RWY 26, Orig
 Crossville, TN, Crossville Memorial-Whitson Field, ILS Z OR LOC Z RWY 26, Amdt 14
 Cotulla, TX, Cotulla-La Salle County, RNAV (GPS) RWY 13, Amdt 2
 Cotulla, TX, Cotulla-La Salle County, RNAV (GPS) RWY 31, Amdt 2
 Cotulla, TX, Cotulla-La Salle County, Takeoff Minimums and Obstacle DP, Amdt 1
 Dallas, TX, Addison, RNAV (GPS) RWY 33, Amdt 2
 Dallas, TX, Addison, Takeoff Minimums and Obstacle DP, Amdt 6

Dallas, TX, Dallas Love Field, ILS OR LOC Y RWY 13R, Amdt 5
 Dallas, TX, Dallas Love Field, RNAV (GPS) Y RWY 31L, Amdt 1B
 Dallas, TX, Dallas Love Field, RNAV (GPS) Y RWY 31R, Amdt 1B
 Dallas, TX, Dallas Love Field, RNAV (GPS) Z RWY 13R, Amdt 1
 Dallas, TX, Dallas Love Field, RNAV (RNP) W RWY 13R, Orig
 Dallas, TX, Dallas Love Field, RNAV (RNP) X RWY 13R, Orig
 Dallas, TX, Dallas Love Field, RNAV (RNP) Z RWY 31L, Orig
 Dallas-Fort Worth, TX, Dallas/Ft Worth Intl, CONVERGING ILS RWY 17C, Amdt 8
 Dallas-Fort Worth, TX, Dallas/Ft Worth Intl, CONVERGING ILS RWY 17R, Amdt 10
 Dallas-Fort Worth, TX, Dallas/Ft Worth Intl, CONVERGING ILS RWY 35C, Amdt 3
 Dallas-Fort Worth, TX, Dallas/Ft Worth Intl, ILS OR LOC RWY 17C, ILS RWY 17C (SA CAT I), ILS RWY 17C (CAT II), ILS RWY 17C (CAT III), Amdt 11
 Dallas-Fort Worth, TX, Dallas/Ft Worth Intl, ILS OR LOC RWY 17L, ILS RWY 17L (SA CAT I), ILS RWY 17L (CAT II), ILS RWY 17L (CAT III), Amdt 7
 Dallas-Fort Worth, TX, Dallas/Ft Worth Intl, ILS OR LOC RWY 35C, ILS RWY 35C (SA CAT I), ILS RWY 35C (CAT II), ILS RWY 35C (CAT III), Amdt 3
 Dallas-Fort Worth, TX, Dallas/Ft Worth Intl, RNAV (GPS) RWY 17C, Amdt 2A
 Dallas-Fort Worth, TX, Dallas/Ft Worth Intl, RNAV (GPS) RWY 17L, Amdt 5
 Dallas-Fort Worth, TX, Dallas/Ft Worth Intl, RNAV (GPS) RWY 17R, Amdt 2A
 Dallas-Fort Worth, TX, Dallas/Ft Worth Intl, RNAV (GPS) RWY 18L, Amdt 1A
 Dallas-Fort Worth, TX, Dallas/Ft Worth Intl, RNAV (GPS) RWY 18R, Amdt 1A
 Dallas-Fort Worth, TX, Dallas/Ft Worth Intl, RNAV (GPS) RWY 35C, Amdt 3A
 Dallas-Fort Worth, TX, Dallas/Ft Worth Intl, RNAV (GPS) RWY 35L, Amdt 2A
 Dallas-Fort Worth, TX, Dallas/Ft Worth Intl, RNAV (GPS) RWY 35R, Amdt 3A
 Dallas-Fort Worth, TX, Dallas/Ft Worth Intl, RNAV (GPS) RWY 36L, Amdt 3B
 Dallas-Fort Worth, TX, Dallas/Ft Worth Intl, RNAV (GPS) RWY 36R, Amdt 3A
 Dallas-Fort Worth, TX, Dallas/Ft Worth Intl, RNAV (GPS) Y RWY 13R, Amdt 2A
 Dallas-Fort Worth, TX, Dallas/Ft Worth Intl, RNAV (GPS) Y RWY 31L, Amdt 1B
 Dallas-Fort Worth, TX, Dallas/Ft Worth Intl, RNAV (GPS) Y RWY 31R, Amdt 2A
 Dallas-Fort Worth, TX, Dallas/Ft Worth Intl, RNAV (RNP) Z RWY 13R, Amdt 1A
 Dallas-Fort Worth, TX, Dallas/Ft Worth Intl, RNAV (RNP) Z RWY 31L, Amdt 1B
 Dallas-Fort Worth, TX, Dallas/Ft Worth Intl, RNAV (RNP) Z RWY 31R, Amdt 2A
 Fort Worth, TX, Fort Worth Meacham Intl, RNAV (GPS) RWY 34, Amdt 1
 Houston, TX, George Bush Intercontinental/Houston, RNAV (RNP) Y RWY 26L, Orig-A
 Houston, TX, George Bush Intercontinental/Houston, RNAV (RNP) Y RWY 26R, Orig-A
 New Market, VA, New Market, RNAV (GPS) RWY 6, Orig, CANCELED
 New Market, VA, New Market, RNAV (GPS) RWY 24, Orig, CANCELED
 New Market, VA, New Market, RNAV (GPS)-A, Orig
 New Market, VA, New Market, RNAV (GPS)-B, Orig

Effective 16 OCTOBER 2014

Plymouth, MI, Canton-Plymouth-Mettetal, VOR-A, Amdt 12A

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			
FROM	TO	COURSE AND DISTANCE	ALTITUDE
CCR VOR/DME	UPEND INT/I-SIA 28.97 DME	235.51 / 2.58	5000
UPEND INT/I-SIA 29.97 DME (IAF)	BERKS INT/I-SIA 17.36 DME	193.81 / 11.61 (I-SIA)	5000
BERKS INT/I-SIA 17.36 DME (IF)	SHAKE INT/I-SIA 10.12 DME	193.81 / 7.24 (I-SIA)	2800
ILS: DA LOC: 8.59 MILES AFTER SHAKE INT/I-SIA 10.12 DME OR AT I-SIA 1.53 DME FIX CLIMB TO 520 THEN CLIMBING LEFT TURN TO 3000 ON SFO VOR/DME R-101 TO DUMBA INT/SFO 14.96 DME AND HOLD, OR AS DIRECTED BY ATC. ALTERNATE MA: CLIMB TO 520 THEN CLIMBING LEFT TURN TO 3000 DIRECT SJC VOR/DME AND HOLD. ADDITIONAL FLIGHT DATA: HOLD E, LT, 280.59 INBOUND. CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD E SJC VOR/DME, LT, 286.00 INBOUND. FAS OBST: 150 SHIP 374028N/1222020W CHART IN PLANVIEW: SJC VOR/DME.			
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 BERKS INT/I-SIA 17.36 DME 3. FAC: <u>193.81</u> FAF: <u>SHAKE INT/I-SIA 10.12 DME</u> DIST FAF TO MAP: <u>8.59</u> THLD: <u>8.59</u> 4. MIN. ALT: BERKS 5000, SHAKE 2800, ROGGE INT/I-SIA 7.03 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>1044</u> 6. MIN GS INCPT: <u>2800</u> GS ALT AT: <u>SHAKE 2800</u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u>3.00</u> TCH: <u>55.0</u> 8. MSA FROM: SFO VOR/DME 050-180 4500, 180-300 3500, 300-050 5100			
		MAG VAR: 14E EPOCH YEAR: 2015	
MINIMUMS			
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT		ALTERNATE: N A	ILS: # LOC: @
CATEGORY ==>	A	B	C
DH/MDA	VIS	HAT/HAA	DH/MDA
S-ILS 19L	300	4000	289
S-LOC 19L	1800	5500	1789
ROGGE FIX MINIMUMS (DUAL RECEIVERS OR DME REQUIRED)			
S-LOC 19L	400	4000	389
SIDESTEP 19R	400	5500	389
NOTES: CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT. #@ CAT A, B 1800-2, CAT C, D 1800-3 *LOC ONLY CHART NOTE: SIDESTEP NA UNTIL PASSING ROGGE INT. CHART NOTE: FOR INOPERATIVE MALSF, INCREASE ROGGE FIX MINIMUMS S-LOC 19L CATS C/D VISIBILITY TO (SEE FORM 8260-10)			
CITY AND STATE	ELEVATION: 13	TDZE: 19L 11	FACILITY IDENTIFIER: I-SIA
SAN FRANCISCO, CA	AIRPORT NAME:	TDZE: 19R 11	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
	SAN FRANCISCO INTL		ILS OR LOC RWY 19L, AMDT 21, 9/18/2014
		SUP:	DATED 06/26/2014
		AMDT: 20B	

QUALITY
 CHECKED

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.):

RVR 6000, INCREASE S-ILS 19L CAT A/B VISIBILITY TO RVR 4500.

CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO SIDESTEP 19R OR S-LOC 19L CATS C/D.

CITY AND STATE

SAN FRANCISCO, CA

ELEVATION: 13

AIRPORT NAME:

SAN FRANCISCO INTL

TDZE: 19L 11

TDZE: 19R 11

FACILITY
IDENTIFIER:

I-SIA

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

ILS OR LOC RWY 19L, AMDT 21, 9/18/2014

SUP:

AMDT: 20B

DATED: 06/26/2014

QUALITY
CHECKED

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][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KSFOK2FI19L	ACCR	010CCR	K2D OV	IF					18000		0	NS
SUSAP	KSFOK2FI19L	ACCR	020UPENDK2EA0E	A	TF				+ 05000			0	NS
SUSAP	KSFOK2FI19L	ACCR	030BERKSK2EA0EE	B	CF	ISIAK2	0138017419380116PI		+ 05000			0	NS
SUSAP	KSFOK2FI19L	I	010BERKSK2EA0E	I	IF	ISIAK2	01380174	PI	J	050000280018000		0	NS
SUSAP	KSFOK2FI19L	I	020SHAKEK2PC0E	F	CF	ISIAK2	0138010119400072PI		H	0280002800	-300SFO	K2D	0 NS
SUSAP	KSFOK2FI19L	I	030RW19LK2PGOGY	M	CF	ISIAK2	0138001519400086PI			00066	-300		0 NS
SUSAP	KSFOK2FI19L	I	040	0 M	CA		1938		+ 00520				0 NS
SUSAP	KSFOK2FI19L	I	050DUMBAK2PC0EY	L	CFYSFO	K2	1006015010060150D		+ 03000				0 NS
SUSAP	KSFOK2FI19L	I	060DUMBAK2PC0EE	L	HM		2806T010		+ 03000				0 NS

[illegible][illegible]

CITY AND STATE SAN FRANCISCO, CA	ELEVATION: 13	TDZE: 19L 11	FACILITY	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: ILS OR LOC RWY 19L, AMDT 21, 9/18/2014	SUP:
	AIRPORT NAME:	TDZE: 19R 11	IDENTIFIER:		AMDT: 20B
	SAN FRANCISCO INTL		I-SIA		DATED: 06/26/2014

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 KSFOK2IISIA1 010890RW19LN37361628W1222256061938N37373073W1222211060744 10440418300E01405500007

[illegible]

SUP:	
AMDT:	20B
DATED:	06/26/2014

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
	CCR	CCR	010		IF		FB					
	CCR	UPEND	020	IAF	TF		FB				AA 05000	
	CCR	BERKS	030		CF		FB		193.8()	011.6	AA 05000	
		BERKS	010	FACF	IF		FB				AA 05000	GI 02800
		SHAKE	020	FAF	CF		FB		194.0()	007.2	GI 02800	GS 02800
		RW19L	030	MAP	CF		FO		194.0()	008.6	AT 00066	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		193.8()		AA 00520	
	DUMBA	050		CF	L	FO		100.6()	015.0	AA 03000	
	DUMBA	060		HM	L	FO		280.6()	001.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CCR	N380241.71	W1220242.75	N3802.695	W12202.713
	SFO	N373710.14	W1222226.02	N3737.169	W12222.434
	ISIA (DME)	N373618.71	W1222259.41	N3736.312	W12222.990
	BERKS	N375139.10	W1221242.04	N3751.652	W12212.701
	UPEND	N380155.14	W1220549.44	N3801.919	W12205.824
	DUMBA	N373012.66	W1220546.13	N3730.211	W12205.769
	SHAKE	N374514.54	W1221658.52	N3745.242	W12216.975
	RW19L	N373738.43	W1222201.60	N3737.641	W12222.027
	ISIA (LOC)	N373616.28	W1222256.06	N3736.271	W12222.934

RUNWAY DATA	THRESHOLD	ELEVATION	TCH
RWY			
RW19L	00011		55

CITY AND STATE
SAN FRANCISCO, CA

ELEVATION: 13 TDZE: 19L 11
AIRPORT NAME: TDZE: 19R 11
SAN FRANCISCO INTL

FACILITY
IDENTIFIER:
I-SIA

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
ILS OR LOC RWY 19L, AMDT 21, 9/18/2014

SUP:
AMDT: 20B
DATED: 06/26/2014

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]

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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:	20B
DATED:	6/26/2014

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
	CCR	CCR	010		IF		FB					
	CCR	UPEND	020	IAF	TF		FB				AA 05000	
	CCR	BERKS	030		CF		FB		193.8 ()	011.6	AA 05000	
		BERKS	010	FACF	IF		FB				AA 05000	
		SHAKE	020	FAF	CF		FB		194.0 ()	007.2	AA 02800	
		ROGGE	021	SDF	CF		FB		194.0 ()	003.1	AA 01800	
		RW19L	030	MAP	CF		FO		194.0 ()	005.5	AT 00066	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		193.8 ()		AA 00520	
	DUMBA	050		CF	L	FO		100.6 ()	015.0	AA 03000	
	DUMBA	060		HM	L	FO		280.6 ()	001.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CCR	N380241.71	W1220242.75	N3802.695	W12202.713
	SFO	N373710.14	W1222226.02	N3737.169	W12222.434
	ISIA (DME)	N373618.71	W1222259.41	N3736.312	W12222.990
	BERKS	N375139.10	W1221242.04	N3751.652	W12212.701
	UPEND	N380155.14	W1220549.44	N3801.919	W12205.824
	DUMBA	N373012.66	W1220546.13	N3730.211	W12205.769
	ROGGE	N374230.61	W1221847.58	N3742.510	W12218.793
	SHAKE	N374514.54	W1221658.52	N3745.242	W12216.975
	RW19L	N373738.43	W1222201.60	N3737.641	W12222.027
	ISIA (LOC)	N373616.28	W1222256.06	N3736.271	W12222.934

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW19L	00011	55

CITY AND STATE
SAN FRANCISCO, CA

ELEVATION: 13 TDZE: 19L 11
AIRPORT NAME: TDZE: 19R 11
SAN FRANCISCO INTL

FACILITY IDENTIFIER:
I-SIA

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
ILS OR LOC RWY 19L, AMDT 21, 9/18/014

SUP:
AMDT: 20B
DATED: 6/26/2014

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: RW19L CLIMB TO 420 THEN CLIMBING LEFT TURN TO 3000 DIRECT DUMBA AND HOLD. ADDITIONAL FLIGHT DATA: HOLD E, LT, 283.98 INBOUND. FAS OBST: 150 SHIP 374028N/1222020W DISTANCE TO THLD FROM 282 HAT: 0.71 NM. WAAS CHANNEL # 58015 REFERENCE PATH ID: W19A LTP HAE: -29.4 M				
UPEND (IAF)		BERKS (FB)		193.98 / 11.61		5000						
BERKS (IF)		SHAKE (FB)		193.91 / 7.24		2800						
SHAKE (FAF)		ROGGE/5.50 NM TO RW19L (FB)		193.86 / 3.09								
ROGGE/5.50 NM TO RW19L		RW19L (MAP) (FO)		193.86 / 5.50		420						
RW19L (MAP)		420 MSL		193.86		3000						
420 MSL		DUMBA (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 BERKS 3. FAC: <u>193.86</u> FAF: <u>SHAKE</u> DIST FAF TO MAP: <u>8.59</u> THLD: <u>8.59</u> 4. MIN. ALT: BERKS 5000, SHAKE 2800, ROGGE/5.50 NM TO RW19L 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> </u> 6. MIN GS INCPT: <u>2800</u> GS ALT AT: <u>SHAKE 2800</u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u>3.00</u> TCH: <u>55.0</u> 34:1 IS NOT CLEAR 8. MSA FROM: <u>RW19L 5100</u>								MAG VAR: 14E 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
LPV DA	293	4000	282	293	4000	282	293	5000	282	293	5000	282
LNAV/VNAV DA	350	4000	339	350	4000	339	350	5000	339	350	5000	339
LNAV MDA	560	4000	549	560	4000	549	560	1 3/8	549	560	1 3/8	549
NOTES: CHART NOTE: DME/DME RNP-0.3 NA. CHART PLANVIEW NOTE: RADAR REQUIRED. CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT. *LNAV ONLY (SEE FORM 8260-10)												
CITY AND STATE		ELEVATION: 13 TDZE: 11		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:		
SAN FRANCISCO, CA		AIRPORT NAME: SAN FRANCISCO INTL				RNAV (GPS) RWY 19L, AMDT 3, 9/18/2014				AMDT: 2B		
										DATED 06/26/2014		



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: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW 3C (38F) OR ABOVE 54C (130F).

CHART NOTE: FOR INOPERATIVE MALSF, INCREASE LPV CAT A/B VISIBILITY TO RVR 4500, LNAV/VNAV ALL CATS

VISIBILITY TO RVR 6000, AND LNAV CAT D VISIBILITY TO 1 5/8 MILES.

CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO LPV CAT C/D.



CITY AND STATE SAN FRANCISCO, CA	ELEVATION: 13 AIRPORT NAME: SAN FRANCISCO INTL	TDZE: 11	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 19L, AMDT 3, 9/18/2014	SUP:
					AMDT: 2B
					DATED: 06/26/2014

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 KSFO
RUNWAY RW19L
APPROACH PERFORMANCE DESIGNATOR 0
ROUTE INDICATOR
REFERENCE PATH DATA SELECTOR 0
REFERENCE PATH IDENTIFIER (APPROACH ID) W19A
LTP/FTP LATITUDE 373738.4280N
LTP/FTP LONGITUDE 1222201.5970W
LTP/FTP ELLIPSOIDAL HEIGHT -00294
FPAP LATITUDE 373619.5235N
FPAP LONGITUDE 1222253.9085W
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 0112
HORIZONTAL ALERT LIMIT (HAL) 40.0
VERTICAL ALERT LIMIT (VAL) 50.0

CRC REMAINDER

DF9A5B75

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K2
LTP ORTHOMETRIC HEIGHT +00032
FPAP ORTHOMETRIC HEIGHT +00032

CITY AND STATE

SAN FRANCISCO, CA

ELEVATION: 13

TDZE: 11

AIRPORT NAME:

SAN FRANCISCO INTL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 19L, AMDT 3, 9/18/2014

SUP:

AMDT: 2B

DATED: 06/26/2014

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[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KSFOK2FR19L	AUPEND	010UPENDK2EA0E	A	IF					18000		A	JS
SUSAP	KSFOK2FR19L	AUPEND	020BERKSK2EA0EE	B	010TF		19400116	+	05000			A	JS
SUSAP	KSFOK2FR19L	R	010BERKSK2EA0E	I	IF				+	05000	18000	A	JS
SUSAP	KSFOK2FR19L	R	020SHAKEK2EA1E	F	051TF		19390072	+	02800			RW19L K2PGA	JS
SUSAP	KSFOK2FR19L	R	020SHAKEK2EA2WALPV			ALNAV/VNAV	ALNAV						JS
SUSAP	KSFOK2FR19L	R	021ROGGEK2EA0E	S	031TF		19390031	V	0180001817		-300	A	JS
SUSAP	KSFOK2FR19L	R	030RW19LK2PGOGY	M	031TF		19390055		00066		-300	A	JS
SUSAP	KSFOK2FR19L	R	040		0 M	CA	1939	+	00420			A	JS
SUSAP	KSFOK2FR19L	R	050DUMBAK2EA0EY	L	DF				+	03000		A	JS
SUSAP	KSFOK2FR19L	R	060DUMBAK2EA0EE	L	HM		28400040	+	03000			A	JS

[illegible][illegible][illegible]

CITY AND STATE SAN FRANCISCO, CA	ELEVATION: 13 AIRPORT NAME: SAN FRANCISCO INTL	TDZE: 11 RNAV	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 19L, AMDT 3 9/18/2014	SUP:
					AMDT: 2B
					DATED: 06/26/2014

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 - 424-8 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	UPEND	UPEND	010	IAF	IF		FB					
	UPEND	BERKS	020		TF		FB	1.0	194.0 (208.0T)	011.6	AA 05000	
		BERKS	010	FACF	IF		FB				AA 05000	
		SHAKE	020	FAF	TF		FB	0.5	193.9 (207.9T)	007.2	AA 02800	
		ROGGE	021	SDF	TF		FB	0.3	193.9 (207.9T)	003.1	AA 01800	GS 01817
		RW19L	030	MAP	TF		FO	0.3	193.9 (207.9T)	005.5	AT 00066	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		193.9 (207.9T)		AA 00420	
	DUMBA	050		DF	L	FO				AA 03000	
	DUMBA	060		HM	L	FO		284.0 (298.0T)	004.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	BERKS	N375139.10	W1221242.04	N3751.652	W12212.701
	DUMBA	N373012.66	W1220546.13	N3730.211	W12205.769
	ROGGE	N374230.61	W1221847.58	N3742.510	W12218.793
	SHAKE	N374514.54	W1221658.52	N3745.242	W12216.975
	UPEND	N380155.14	W1220549.44	N3801.919	W12205.824
	RW19L	N373738.43	W1222201.60	N3737.641	W12222.027

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW19L	00011	55

QUALITY
CHECKED

CITY AND STATE SAN FRANCISCO, CA	ELEVATION: 13	TDZE: 11	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 19L, AMDT 3 9/18/2014	SUP:
	AIRPORT NAME: SAN FRANCISCO INTL				AMDT: 2B
					DATED: 06/26/2014

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: RW19R CLIMB TO 600 THEN CLIMBING LEFT TURN TO 3000 DIRECT DUMBA AND HOLD. ADDITIONAL FLIGHT DATA: HOLD E, LT, 283.98 INBOUND. CHART FAS OBST: 144 BLDG 373734N/1222236W DISTANCE TO THLD FROM 355 HAT: 0.96 NM. CHART VDP AT 1.61 MILES TO RW19R* *LNAV ONLY. WAAS CHANNEL # 53533 REFERENCE PATH ID: W19B LTP HAE: -29.8 M							
UPEND (IAF)		HITOD (FB)		194.59 / 11.45		4000									
HITOD (IF)		ESUME (FB)		193.91 / 7.50		2800									
ESUME (FAF)		FOBOT/3.30 NM TO RW19R (FB)		193.86 / 5.32											
FOBOT/3.30 NM TO RW19R		RW19R (MAP) (FO)		193.86 / 3.30											
RW19R (MAP)		600 MSL		193.86		600									
600 MSL		DUMBA (FO)				3000									
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 HITOD 3. FAC: <u>193.86</u> FAF: <u>ESUME</u> DIST FAF TO MAP: <u>8.59</u> THLD: <u>8.59</u> 4. MIN. ALT: HITOD 4000, ESUME 2800, FOBOT/3.30 NM TO RW19R 1100* 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>2800</u> GS ALT AT: <u>ESUME 2800</u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u>3.00</u> TCH: <u>55.0</u> 34:1 IS CLEAR 8. MSA FROM: <u>RW19R 5100</u>								MAG VAR: 14E 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	366	5900	355	366	5900	355	366	5900	355	366	5900	355			
LNAV/VNAV DA	477	1 5/8	466	477	1 5/8	466	477	1 5/8	466	477	1 5/8	466			
LNAV MDA	580	5500	569	580	5500	569	580	1 5/8	569	580	1 5/8	569			
NOTES: CHART NOTE: DME/DME RNP-0.3 NA. CHART PLANVIEW NOTE: RADAR REQUIRED. *LNAV ONLY CHART PLANVIEW NOTE: LIMIT MISSED APPROACH TO 210 KIAS UNTIL DUMBA. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW 3C (38F) OR ABOVE 54C (130F).															
CITY AND STATE SAN FRANCISCO, CA		ELEVATION: 13 TDZE: 11 AIRPORT NAME: SAN FRANCISCO INTL		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 19R, AMDT 2, 9/18/2014				SUP: AMDT: 1A DATED 06/26/2014					

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	KSFO
RUNWAY	RW19R
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W19B
LTP/FTP LATITUDE	373735.3280N
LTP/FTP LONGITUDE	1222214.1920W
LTP/FTP ELLIPSOIDAL HEIGHT	-00298
FPAP LATITUDE	373616.4235N
FPAP LONGITUDE	1222306.5030W
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	0416
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER

6F5FDCE0

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K2
LTP ORTHOMETRIC HEIGHT	+00028
FPAP ORTHOMETRIC HEIGHT	+00028

QUALITY
4
CHECKED

CITY AND STATE SAN FRANCISCO, CA	ELEVATION: 13	TDZE: 11	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 19R, AMDT 2, 9/18/2014	SUP:
	AIRPORT NAME:				AMDT: 1A
	SAN FRANCISCO INTL				DATED: 06/26/2014

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]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3	
SUSAP	KSFOK2FR19R	AUPEND	010UPENDK2EA0E	A	IF					18000		A	JS	
SUSAP	KSFOK2FR19R	AUPEND	020HITODK2EA0EE	B	010TF		19460115	+	04000			A	JS	
SUSAP	KSFOK2FR19R	R	010HITODK2EA0E	I	IF			+	04000	18000		A	JS	
SUSAP	KSFOK2FR19R	R	020ESUMEK2EA1E	F	051TF		19390075	+	02800		RW19R	K2PGA	JS	
SUSAP	KSFOK2FR19R	R	020ESUMEK2EA2WALPV			ALNAV/VNAV	ALNAV						JS	
SUSAP	KSFOK2FR19R	R	021F0BOTK2EA0E	S	031TF		19390053	V	0110001107		-300		A	JS
SUSAP	KSFOK2FR19R	R	030RW19RK2PG0GY	M	031TF		19390033		00064		-300		A	JS
SUSAP	KSFOK2FR19R	R	040		0	M	CA		1939	+	00600		A	JS
SUSAP	KSFOK2FR19R	R	050DUMBAK2EA0EY	L	DF			+	03000		210		A-JS	
SUSAP	KSFOK2FR19R	R	060DUMBAK2EA0EE	L	HM		28400040	+	03000				A	JS

[illegible][illegible][illegible]

CITY AND STATE SAN FRANCISCO, CA	ELEVATION: 13	TDZE: 11	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME: SAN FRANCISCO INTL			RNAV (GPS) RWY 19R, AMDT 2	AMDT: 1A
			RNAV	9/18/2014	DATED: 06/26/2014

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
	UPEND	UPEND	010	IAF	IF		FB					
	UPEND	HITOD	020		TF		FB	1.0	194.6 (208.6T)	011.5	AA 04000	
		HITOD	010	FACF	IF		FB				AA 04000	
		ESUME	020	FAF	TF		FB	0.5	193.9 (207.9T)	007.5	AA 02800	
		FOBOT	021	SDF	TF		FB	0.3	193.9 (207.9T)	005.3	AA 01100	GS 01107
		RW19R	030	MAP	TF		FO	0.3	193.9 (207.9T)	003.3	AT 00064	
MISSED APPROACH		FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
			040		CA		FB		193.9 (207.9T)		AA 00600	
		DUMBA	050		DF	L	FO				AA 03000	AB 210
		DUMBA	060		HM	L	FO		284.0 (298.0T)	004.0	AA 03000	
POINT DATA	WAYPOINT			LAT IN SECS		LONG IN SECS		LAT IN MINS		LONG IN MINS		
	DUMBA			N373012.66		W1220546.13		N3730.211		W12205.769		
	ESUME			N374511.67		W1221710.97		N3745.195		W12217.183		
	FOBOT			N374030.65		W1222017.84		N3740.511		W12220.297		
	HITOD			N375150.99		W1221244.63		N3751.850		W12212.744		
	UPEND			N380155.14		W1220549.44		N3801.919		W12205.824		
	RW19R			N373735.33		W1222214.19		N3737.589		W12222.237		
RUNWAY DATA				THRESHOLD								
	RWY			ELEVATION		TCH						
	RW19R		00009			55						

QUALITY
4

CITY AND STATE SAN FRANCISCO, CA	ELEVATION: 13	TDZE: 11	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME:			RNAV (GPS) RWY 19R, AMDT 2	AMDT: 1A
	SAN FRANCISCO INTL		RNAV	9/18/2014	DATED: 06/26/2014

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: 4.94 MILES AFTER FULLR INT/SFO 5.74 DME OR AT JEVEB/SFO 0.80 DME FIX CLIMBING LEFT TURN TO 3000 ON SFO VOR/DME R-101 TO DUMBA INT/SFO 14.96 DME AND HOLD. ADDITIONAL FLIGHT DATA: HOLD E, LT, 280.59 INBOUND. CHART FAS OBST: 189 TREE 373907N/1222240W FULLR TO RW19L: 3.16/55 FAC 381R OF RWY C/L EXTENDED 3000 FROM THLD.						
CCR VOR/DME		BOBJA INT/SFO 28.00 DME		234.97 / 2.56				5000								
BOBJA INT/SFO 28.00 DME (IAF)		OAKEL INT/SFO 16.60 DME		191.00 / 11.40 (SFO R-011)				4000								
OAKEL INT/SFO 16.60 DME (IF)		ALAME INT/SFO 9.20 DME		191.00 / 7.40 (SFO R-011)				2800								
ALAME INT/SFO 9.20 DME		FULLR INT/SFO 5.74 DME		191.00 / 3.46 (SFO R-011)				1800								
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 OAKEL INT/SFO 16.60 DME 3. FAC <u>191.00</u> FAF FULLR INT/SFO 5.74 DME DIST FAF TO MAP <u>4.94</u> THLD <u>5.17</u> 4. MIN. ALT <u>OAKEL 4000, ALAME 2800, FULLR 1800</u> 8. MSA FROM: SFO VOR/DME 050-180 4500, 180-300 3500, 300-050 5100										MAG VAR: 17E		EPOCH YEAR: 1975				
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-19L	460	4000	449	460	4000	449	460	5500	449	460	5500	449				
NOTES: CHART NOTE: FOR INOPERATIVE MALSF INCREASE CAT C AND D VISIBILITY TO 1 3/8 MILE. CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT.																
CITY AND STATE SAN FRANCISCO, CA				ELEVATION: 13 AIRPORT NAME: SAN FRANCISCO INTL		TDZE: 11		FACILITY IDENTIFIER: SFO		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: VOR RWY 19L, AMDT 11, 9/18/2014				SUP AMDT 10A DATE 06/26/2014		



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.
SANTA ANA, CA	JOHN WAYNE AIRPORT-ORANGE COUNTY	18 SEPTEMBER 2014	6

TAKEOFF MINIMUMS:

RWY 02L, 02R, 20L, 20R STANDARD.

TEXTUAL DEPARTURE PROCEDURES:

RWY 02L, 02R – CLIMBING LEFT TURN DIRECT SLI VORTAC.
RWY 20L, 20R – CLIMBING RIGHT TURN DIRECT SLI VORTAC.
ALL AIRCRAFT CLIMB IN SLI HOLDING PATTERN (HOLD S, LT, 351.00 INBOUND) TO CROSS SLI VORTAC AT OR ABOVE MEA FOR
DIRECTION OF FLIGHT BEFORE PROCEEDING ON COURSE.

VISUAL CLIMB OVER AIRPORT:

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 02L, POLE AND TREES BEGINNING 94 FT FROM DER, 490 FT LEFT OF CENTERLINE, UP TO 26 FT AGL/63 FT MSL. NAVAID 497 FT FROM DER, 625 FT RIGHT OF CENTERLINE, 19 FT AGL/55 FT MSL. TREES BEGINNING 970 FT FROM DER, 608 FT LEFT OF CENTERLINE, UP TO 90 FT AGL/127 FT MSL.

NOTE: RWY 02R, NAVAID 497 FT FROM DER, 125 FT RIGHT OF CENTERLINE, 19 FT AGL/55 FT MSL. POLE 1104 FT FROM DER, 307 FT RIGHT OF CENTERLINE, 33 FT AGL/68 FT MSL. BUILDING 1681 FT FROM DER, 671 FT RIGHT OF CENTERLINE, 49 FT AGL/87 FT MSL. TREE 1745 FT FROM DER, 309 FT RIGHT OF CENTERLINE, 52 FT AGL/85 FT MSL.

NOTE: RWY 20R, POLE AND TREES BEGINNING 204 FT FROM DER, 490 FT RIGHT OF CENTERLINE, UP TO 38 FT AGL/91 FT MSL. WSK ON HANGAR 536 FT FROM DER, 605 FT LEFT OF CENTERLINE, 40 FT AGL/92 FT MSL. POLES AND TREES BEGINNING 808 FT FROM DER, 489 FT RIGHT OF CENTERLINE, UP TO 58 FT AGL/108 FT MSL. TREE 1574 FT FROM DER, 765 FT LEFT OF CENTERLINE, 60 FT AGL/113 FT MSL.

CONTROLLING OBSTACLES:

OBSTACLE MANDATING ODP ROUTE DEVELOPMENT: RWY 02L, 02R, 20L, 20R – 10264 FT MSL AAO 341712.00N/1173918.00W.



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.
SANTA ANA, CA	JOHN WAYNE AIRPORT-ORANGE COUNTY	18 SEPTEMBER 2014	6

REMARKS:

FLIGHT INSPECTED BY:

Joel Hawley *[Signature]* 5/6/14

REQUIRED EFFECTIVE DATE:

ROUTINE

DEVELOPED BY:

SCOTT STEVENSON *[Signature]*

AJV-354

01/28/2014

APPROVED BY:

LARRY STROUT *[Signature]*

MANAGER

AJV-354

7.21.14

COORDINATED WITH:

ZLA, SO CAL TRACON, SNA ATCT, APT MGR, WFPT.

CHANGES:

1. RUNWAYS RENUMBERED FROM 1L/R, 19L/R TO 2L/R, 20L/R.
2. UPDATED LOW CLOSE-IN OBSTACLES.

REASONS:

1. MAGVAR ROTATION FROM 14E/1990 TO 12E/2015.
2. NEW SURVEYED OBSTACLES IDENTIFIED IN THE ICA.



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.
SALIDA, CO	HARRIET ALEXANDER FIELD	18 SEPTEMBER 2014	1

TAKEOFF MINIMUMS:

RWY 6, 24 – 6800-3 FOR CLIMB IN VISUAL CONDITIONS. CLIMB IN VISUAL CONDITIONS NOT AUTHORIZED AT NIGHT.

TEXTUAL DEPARTURE PROCEDURES:

RWY 6 – FOR CLIMB IN VISUAL CONDITIONS; CROSS HARRIET ALEXANDER FIELD AT OR ABOVE 14200 FT MSL. FOR WESTBOUND V-95, CLIMB ON HEADING 263.22 TO MEA FOR ROUTE OF FLIGHT THEN PROCEED ON COURSE. FOR EASTBOUND V-95, CLIMB ON HEADING 162.39 TO MEA FOR ROUTE OF FLIGHT THEN PROCEED ON COURSE. OBTAIN ATC APPROVAL FOR VCOA WHEN REQUESTING IFR CLEARANCE.

RWY 24 – FOR CLIMB IN VISUAL CONDITIONS; CROSS HARRIET ALEXANDER FIELD AT OR ABOVE 14200 FT MSL. FOR WESTBOUND V-95, CLIMB ON HEADING 263.22 TO MEA FOR ROUTE OF FLIGHT THEN PROCEED ON COURSE. FOR EASTBOUND V-95, CLIMB ON HEADING 162.39 TO MEA FOR ROUTE OF FLIGHT THEN PROCEED ON COURSE. OBTAIN ATC APPROVAL FOR VCOA WHEN REQUESTING IFR CLEARANCE.

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 6, TREES BEGINNING 1 FT FROM DER, 376 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/7459 FT MSL. NAVAIDS 8 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 3 FT AGL/7387 FT MSL. TREE 9 FT FROM DER, 427 FT LEFT OF CENTERLINE, 100 FT AGL/7419 FT MSL. FENCE 10 FT FROM DER, 299 FT LEFT OF CENTERLINE, 8 FT AGL/7391 FT MSL. TREE 61 FT FROM DER, 283 FT LEFT OF CENTERLINE, 73 FT AGL/7393 FT MSL. VEHICLES ON ROAD 62 FT FROM DER, 181 FT RIGHT OF CENTERLINE, UP TO 10 FT AGL/7407 FT MSL.

NOTE: RWY 24, POLE 9 FT FROM DER, 27 FT LEFT OF CENTERLINE, 2 FT AGL/7525 FT MSL. TREES BEGINNING 24 FT FROM DER, 214 FT RIGHT OF CENTERLINE, 35 FT AGL/7554 FT MSL. VEHICLES ON ROAD BEGINNING 111 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, 15 FT AGL/7553 FT MSL. MULTIPLE TOWERS AND TREES BEGINNING 544 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 57 FT AGL/7616 FT MSL. FENCELINE BEGINNING 598 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 8 FT AGL/7542 FT MSL. MULTIPLE POLES AND TREES BEGINNING 667 FT FROM DER, 215 FT RIGHT OF CENTERLINE, UP TO 82 FT AGL/7641 FT MSL. MULTIPLE POLES AND VEHICLES ON ROAD BEGINNING 2066 FT FROM DER, 898 FT RIGHT OF CENTERLINE, UP TO 31 FT AGL/7631 FT MSL. MULTIPLE TOWERS AND TREES BEGINNING 2119 FT FROM DER, 46 FT LEFT OF CENTERLINE, UP TO 105 FT AGL/7664 FT MSL. MULTIPLE BUILDINGS AND POLES 5236 FT FROM DER, 392 FT RIGHT OF CENTERLINE, UP TO 43 FT AGL/7682 FT MSL. TREES BEGINNING 5456 FT FROM DER, 392 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/7682 FT MSL. MULTIPLE POLES AND TREES BEGINNING 1.2 NM FROM DER, 849 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/7899 FT MSL. MULTIPLE POLES AND TREES BEGINNING 1.3 NM FROM DER, 2155 FT RIGHT OF CENTERLINE, UP TO 48 FT AGL/7764 FT MSL.

CONTROLLING OBSTACLES:

RWY 6, 24: (VCOA): 11399 FT MSL AAO 382738.57N/1060122.68W, 14429 FT MSL AAO 383707.69N/1061420.83W, 11739 FT MSL AAO 383612.00N/1054145.00W.

OBSTACLES MANDATING ODP ROUTE DEVELOPMENT:

RWY 6 – 14469 FT MSL AAO 384025.80N/1061444.92W

RWY 24 – 14469 FT MSL AAO 384025.80N/1061444.92W



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.
SALIDA, CO	HARRIET ALEXANDER FIELD	18 SEPTEMBER 2014	1

REMARKS:

FLIGHT INSPECTED BY:

Scott Wiebe

7/23/14

REQUIRED EFFECTIVE DATE:

ROUTINE

DEVELOPED BY:

LONNIE EVERHART (JARED WINGO) AJV-354

1/29/2014

APPROVED BY:

LARRY STROUT AJV-354

JUL 24 2014

COORDINATED WITH:

AMGR, ALPA, AOPA, NBAA, ZDV ARTCC

CHANGES:

1. ADDED CLIMB IN VISUAL CONDITIONS NOT AUTHORIZED AT NIGHT.
2. UPDATED VCOA INSTRUCTIONS TO REFLECT DR LEG TO JOIN V-95 AIRWAY.
3. ADDED ATC APPROVAL FOR VCOA WHEN REQUESTING IFR CLEARANCE.
4. UPDATED TAKEOFF OBSTACLE NOTES.
5. UPDATED CONTROLLING OBSTACLE: VCOA OBS CHANGED FROM 10351 MSL AAO 382839.00N/1060342.00W TO 11399 MSL AAO 382738.57N/1060122.68.

REASONS:

1. IAW 8260.46D APDX D. 6.C.
2. PER FPT CHECKLIST, DATED 29 JAN 2013 AND FPT EMAIL, DATED 11 MAR 2014.
3. IAW 8260.46D APDX D. 8.D.
4. NEW EVALUATION AREA.
5. NEW EVALUATION AREA.



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: RW08 CLIMBING LEFT TURN TO 6400 DIRECT ECIYU AND ON TRACK 220.70 TO JIVIM AND HOLD, CONTINUE CLIMB-IN-HOLD TO 6400. ADDITIONAL FLIGHT DATA: CHART FAS OBST: 2779 TREE 344944N/0840235W 3359 AAO 345008N/0840845W ZOTMI TO RW08: 3.00/45. CHART A-685 CHART CIRCLING ICON	
JIVIM (IF/IAF)	ZOTMI (FB)	075.99 / 7.00	4200		
ZOTMI (FAF)	WUNPO/4.10 NM TO RW08 (FB)	076.07 / 2.95			
WUNPO/4.10 NM TO RW08	RW08 (MAP) (FO)	076.07 / 4.10			
RW08 (MAP)	2309 MSL	076.07			
2309 MSL	ECIYU (FB)				
ECIYU	JIVIM (FO)	220.70 / 10.40	6400		
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. HOLD W JIVIM, RT, 075.99 INBOUND, 6400 FT. IN LIEU OF PT (IAF) 3. FAC: <u>076.07</u> FAF: <u>ZOTMI</u> DIST FAF TO MAP: <u>7.05</u> THLD: <u>7.05</u> 4. MIN. ALT: JIVIM 6400, ZOTMI 4200, WUNPO/4.10 NM TO RW08 3240 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: 3W EPOCH YEAR: 1985	
MINIMUMS					
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT			ALTERNATE: N A X		
CATEGORY =====>	A		B		C
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS
LNAV MDA	2940	1 1/4	1030	2940	1 1/2
CIRCLING	2940	1 1/4	1031	3000	1 1/2
NOTES: CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, PROCEDURE NA. CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: PROCEDURE NA AT NIGHT. CHART PLANVIEW NOTE: LIMIT MISSED APPROACH TO 210 KIAS. CHART NOTE: CIRCLING NA FOR CAT D.					
CITY AND STATE BLAIRSVILLE, GA		ELEVATION: 1909 TDZE: 1910 AIRPORT NAME: BLAIRSVILLE		FACILITY IDENTIFIER: RNAV PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 8, ORIG 18 SEPTEMBER 2014	
				SUP: AMDT: NONE DATED	

QUALITY
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.

TAA

	FROM	TO	ALT
1.	346/30 CW 166/30 (NOPT)	JIVIM (IF/IAF) (FB)	6400
2.	166/30 CW 346/30	JIVIM (IAF) (FO)	7000

GU4111
CHECKED

CITY AND STATE

BLAIRSVILLE, GA

ELEVATION: 1909

TDZE: 1910

AIRPORT NAME:

BLAIRSVILLE

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 8, ORIG

18 SEPTEMBER 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 PACKET - 424-18 - RNAV (GPS)

	1	2	3	4	5	6	7	8	9	0	1	2	3
WP	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
	SUSAEAEENRT	ECIYU K70	W	N34551784W084085439				W0053	NAR		ECIYU		
	SUSAEAEENRT	JIVIM K70	W	N34470319W084163752				W0051	NAR		JIVIM		
	SUSAEAEENRT	WUNPO K70	W	N34495753W084050401				W0053	NAR		WUNPO		
	SUSAEAEENRT	ZOTMI K70	W	N34490588W084083003				W0052	NAR		ZOTMI		

	1	2	3	4	5	6	7	8	9	0	1	2	3
AIRPORT	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
	SUSAP KDZJK7ADZJ	0	050YHN34511596W083595040W003001909					1800018000C	MNAR		BLAIRSVILLE		

	1	2	3	4	5	6	7	8	9	0	1	2	3
SEGMENT	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
	SUSAP KDZJK7FR08	AJIVIM	010JIVIMK7EA0EE	AR	HF			07600070	+ 06400	18000		B JS	
	SUSAP KDZJK7FR08	R	010JIVIMK7EA0E	I	IF				+ 06400	18000		B JS	
	SUSAP KDZJK7FR08	R	020ZOTMIK7EA1E	F	051TF			07600070	+ 04200			B JS	
	SUSAP KDZJK7FR08	R	020ZOTMIK7EA2WN			N	ALNAV					JS	
	SUSAP KDZJK7FR08	R	021WUNPOK7EA0E	S	031TF			07610030	V 0324003259		-300	B JS	
	SUSAP KDZJK7FR08	R	030RW08 K7PGOGY	M	031TF			07610041			-300	B JS	
	SUSAP KDZJK7FR08	R	040	0	M	CA		0761	+ 02309			B JS	
	SUSAP KDZJK7FR08	R	050ECIYUK7EA0E	L	DF					210		B-JS	
	SUSAP KDZJK7FR08	R	060JIVIMK7EA0EY		010TF			2207	+ 06400			B JS	
	SUSAP KDZJK7FR08	R	070JIVIMK7EA0EE	R	HM			07600070	+ 06400			B JS	

	1	2	3	4	5	6	7	8	9	0	1	2	3
RUNWAY	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
	SUSAP KDZJK7GRW08	0050080762	N34510909W084001786-1052					+0552801908011045100R					

CITY AND STATE
BLAIRSVILLE, GA

ELEVATION: **1909** TDZE: **1910**
 AIRPORT NAME:
BLAIRSVILLE

FACILITY
 IDENTIFIER:
RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
RNAV (GPS) RWY 8, ORIG
18 SEPTEMBER 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
	JIVIM	JIVIM	010	IAF	HF	R	FO		076.0(073.0T)	007.0	AA 06400	
		JIVIM	010	FACF	IF		FB				AA 06400	
		ZOTMI	020	FAF	TF		FB	0.5	076.0(073.0T)	007.0	AA 04200	
		WUNPO	021	SDF	TF		FB	0.3	076.1(073.1T)	003.0	AA 03240	GS 03259
		RW08	030	MAP	TF		FO	0.3	076.1(073.1T)	004.1	AT 01953	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		076.1(073.1T)		AA 02309	
	ECIYU	050		DF	L	FB					AB 210
	JIVIM	060		TF		FO	1.0	220.7(217.7T)		AA 06400	
	JIVIM	070		HM	R	FO		076.0(073.0T)	007.0	AA 06400	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	ECIYU	N345517.84	W0840854.39	N3455.297	W08408.907
	JIVIM	N344703.19	W0841637.52	N3447.053	W08416.625
	WUNPO	N344957.53	W0840504.01	N3449.959	W08405.067
	ZOTMI	N344905.88	W0840830.03	N3449.098	W08408.501
	RW08	N345109.09	W0840017.86	N3451.152	W08400.298

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW08	01908	45

CITY AND STATE
BLAIRSVILLE, GA

ELEVATION: **1909** TDZE: **1910**
 AIRPORT NAME:
BLAIRSVILLE

FACILITY
 IDENTIFIER:
RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
RNAV (GPS) RWY 8, ORIG
18 SEPTEMBER 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.
BLAIRSVILLE, GA	BLAIRSVILLE	18 SEPTEMBER 2014	ORIG

TAKEOFF MINIMUMS:

RWY 8, 26, 2700-3 FOR CLIMB IN VISUAL CONDITIONS

TEXTUAL DEPARTURE PROCEDURES:

RWY 8, FOR CLIMB IN VISUAL CONDITIONS: CROSS BLAIRSVILLE AIRPORT AT OR ABOVE 4500 FT MSL BEFORE PROCEEDING ON COURSE. WHEN EXECUTING VCOA, NOTIFY ATC PRIOR TO DEPARTURE.

RWY 26, FOR CLIMB IN VISUAL CONDITIONS: CROSS BLAIRSVILLE AIRPORT AT OR ABOVE 4500 FT MSL BEFORE PROCEEDING ON COURSE. WHEN EXECUTING VCOA, NOTIFY ATC PRIOR TO DEPARTURE

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 8, VEHICLES ON ROADWAY BEGINNING 1452 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 15 FT AGL/1934 FT MSL. TREES BEGINNING 1354 FT FROM DER, 334 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/2059 FT MSL. TREES BEGINNING 1644 FT FROM DER, 3 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/2539 FT MSL. TOWER 1.75 NM FROM DER, 559 FT LEFT OF CENTERLINE, 150 FT AGL/2550 FT MSL.

NOTE: RWY 26, VEHICLES ON ROADWAY BEGINNING 939 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 15 FT AGL/1974 FT MSL. TREES BEGINNING 435 FT FROM DER, 132 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/2239 FT MSL. TREES BEGINNING 419 FT FROM DER, 534 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/2059 FT MSL. TREES BEGINNING 1.22 NM FROM DER, 2394 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/2259 FT MSL.

CONTROLLING OBSTACLES:

RWY 8, 26 (VCOA): 3639 FT MSL AAO 344735.84N/0835922.51W, 5039 FT MSL AAO 345228.16N/0834839.76W



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

Bearings, headings, courses, tracks and radials are magnetic. Elevation and altitudes are in feet MSL. Altitudes are minimum altitudes unless otherwise indicated.
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.
BLAIRSVILLE, GA	BLAIRSVILLE	18 SEPTEMBER 2014	ORIG

REMARKS:

FLIGHT INSPECTED BY:

William Tyre

6/19/14

REQUIRED EFFECTIVE DATE:

ROUTINE

DEVELOPED BY:

JACOB POWERS
(NICHOLAS K. JACKSON)

AJV-352

11/19/2013

APPROVED BY:

SUSAN CRUMB

AJV-352

JUL 03 2014

COORDINATED WITH:

AOPA, ALPA, APA, NBAA, ZTL, AMGR

CHANGES:

REASONS:

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: RW32 CLIMB TO 3000 DIRECT HOGOD AND HOLD. ADDITIONAL FLIGHT DATA: HOLD NW, RT, 140.89 INBOUND. CHART FAS OBST: 1196 TREE 422542N/0935218W DISTANCE TO THLD FROM 250 HAT: 0.66 NM. CHART VDP AT 0.97 MILES TO RW32* *LNAV ONLY. WAAS CHANNEL # 90516 REFERENCE PATH ID: W32A CHART CIRCLING ICON LTP HAE: 314.9 M											
OLTOE (IF/IAF)	BLDSO (FB)	321.08 / 6.04	2700												
BLDSO (FAF)	DOVVA/1.50 NM TO RW32 (FB)	321.02 / 3.33													
DOVVA/1.50 NM TO RW32	RW32 (MAP) (FO)	321.02 / 1.50													
RW32 (MAP)	1372 MSL	321.02	3000												
1372 MSL	HOGOD (FO)														
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. HOLD SE OLTOE, RT, 321.08 INBOUND, 3000 FT. IN LIEU OF PT (IAF) 3. FAC: <u>321.02</u> FAF: <u>BLDSO</u> DIST FAF TO MAP: <u>4.83</u> THLD: <u>4.83</u> 4. MIN. ALT: OLTOE 3000, BLDSO 2700, DOVVA/1.50 NM TO RW32 1620* 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>2700</u> GS ALT AT: <u>BLDSO 2700</u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u>3.00</u> TCH: <u>40.0</u> 34:1 IS NOT CLEAR 8. MSA FROM: <u> </u>				MAG VAR: 3E 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	1372	1	250	1372	1	250		NA			NA				
LNAV/VNAV DA	1372	1	250	1372	1	250		NA			NA				
LNAV MDA	1460	1	338	1460	1	338		NA			NA				
CIRCLING	1540	1	418	1580	1	458		NA			NA				
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -22C (-7F) OR ABOVE 54C (130F). CHART NOTE: DME/DME RNP-0.3 NA. CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT. (SEE FORM 8260-10)															
CITY AND STATE		ELEVATION: 1122 TDZE: 1122		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:					
WEBSTER CITY, IA		AIRPORT NAME:		RNAV		RNAV (GPS) RWY 32, AMDT 1 18 SEPTEMBER 2014				AMDT: ORIG					
		WEBSTER CITY MUNI								DATED 02/11/2010					

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.):

*LNAV ONLY

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE CLARION ALTIMETER SETTING AND INCREASE ALL DA 49 FT AND ALL MDA 60 FEET.

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

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

TAA

	FROM	TO	ALT
1.	231/30 CW 051/30 (NOPT)	231/15 CW 051/15	4000
	231/15 CW 051/15	OLTOE (IF/IAF) (FB)	3000
2.	051/30 CW 231/30	OLTOE (IF/IAF) (FO)	3000

CITY AND STATE

WEBSTER CITY, IA

ELEVATION: 1122

TDZE: 1122

AIRPORT NAME:

WEBSTER CITY MUNI

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 32, AMDT 1

18 SEPTEMBER 2014

SUP:

AMDT:  ORIG

DATED: 02/11/2010

**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	KEBS
RUNWAY	RW32
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W32A
LTP/FTP LATITUDE	422553.7985N
LTP/FTP LONGITUDE	0935152.3640W
LTP/FTP ELLIPSOIDAL HEIGHT	+03149
FPAP LATITUDE	422705.8820N
FPAP LONGITUDE	0935303.1420W
THRESHOLD CROSSING HEIGHT (TCH)	00040.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1576
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

<u>CRC REMAINDER</u>	F423DE86

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+03418
FPAP ORTHOMETRIC HEIGHT	+03418

CITY AND STATE

WEBSTER CITY, IA

ELEVATION: 1122

TDZE: 1122

AIRPORT NAME:

WEBSTER CITY MUNI

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 32, AMDT 1

18 SEPTEMBER 2014

SUP:

AMDT: ORIG

DATED: 02/11/2010

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]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KEBSK3FR32	AOLTOE	0100LTOEK3EA0EE	AR	HF		32110040	+	03000	18000		A	JS
SUSAP	KEBSK3FR32	R	0100LTOEK3EA0E	I	IF			+	03000	18000		A	JS
SUSAP	KEBSK3FR32	R	020BLDSOK3EA1E	F	051TF		32110060	+	02700			A	JS
SUSAP	KEBSK3FR32	R	020BLDSOK3EA2WALPV			ALNAV/VNAV						JS	
SUSAP	KEBSK3FR32	R	021DOVVAK3EA0E	S	031TF		32100033	V	0162001639	-300		A	JS
SUSAP	KEBSK3FR32	R	030RW32	K3PGOGY	M	031TF	32100015		01161	-300		A	JS
SUSAP	KEBSK3FR32	R	040		0	M	CA	3210	+	01372		A	JS
SUSAP	KEBSK3FR32	R	050HOGODK3EA0EY		DF			+	03000			A	JS
SUSAP	KEBSK3FR32	R	060HOGODK3EA0EE	R	HM		14090040	+	03000			A	JS

[illegible][illegible]

CITY AND STATE WEBSTER CITY, IA	ELEVATION: 1122	TDZE: 1122	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 32, AMDT 1 18 SEPTEMBER 2014	SUP: 0210
	AIRPORT NAME: WEBSTER CITY MUNI				AMDT: ORIG
					DATED: 02/11/2010

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
	OLTOE	OLTOE	010	IAF	HF	R	FO		321.1(324.1T)	004.0	AA 03000	
		OLTOE	010	FACF	IF		FB				AA 03000	
		BLDSO	020	FAF	TF		FB	0.5	321.1(324.1T)	006.0	AA 02700	
		DOVVA	021	SDF	TF		FB	0.3	321.0(324.0T)	003.3	AA 01620 GS 01639	
		RW32	030	MAP	TF		FO	0.3	321.0(324.0T)	001.5	AT 01161	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		321.0(324.0T)		AA 01372	
	HOGOD	050		DF		FO				AA 03000	
	HOGOD	060		HM	R	FO		140.9(143.9T)	004.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	BLDSO	N422159.19	W0934802.40	N4221.987	W09348.040
	DOVVA	N422440.97	W0935040.92	N4224.683	W09350.682
	HOGOD	N423619.88	W0940208.70	N4236.331	W09402.145
	OLTOE	N421705.79	W0934315.66	N4217.097	W09343.261
	RW32	N422553.80	W0935152.36	N4225.897	W09351.873

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW32	01121	40

CITY AND STATE
WEBSTER CITY, IA

ELEVATION: 1122 TDZE: 1122
AIRPORT NAME:
WEBSTER CITY MUNI

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
RNAV (GPS) RWY 32, AMDT 1
18 SEPTEMBER 2014

SUP:
AMDT: ORIG
DATED: 02/11/2010

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

Bearings, headings, courses, tracks and radials are magnetic. Elevation and altitudes are in feet MSL. Altitudes are minimum altitudes unless otherwise indicated.
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.
WEBSTER CITY, IA	WEBSTER CITY MUNI	18 SEPTEMBER 2014	1

TAKEOFF MINIMUMS:

RWY 5, 23, NA – ENVIRONMENT.

RWY 14, 32, STANDARD.

TEXTUAL DEPARTURE PROCEDURES:

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 14, BUSH 22 FEET FROM DER, 302 FEET LEFT OF CENTERLINE, 5 FEET AGL/1125 FEET MSL. BUSH 189 FEET FROM DER, 487 FEET RIGHT OF CENTERLINE, 9 FEET AGL/1129 FEET MSL. TREES BEGINNING 1838 FEET FROM DER, 225 FEET LEFT OF CENTERLINE, UP TO 65 FEET AGL/1185 FEET MSL.

NOTE: RWY 32, VEHICLES ON ROADWAY, 354 FEET FROM DER, 497 FEET RIGHT OF CENTERLINE, UP TO 15 FEET AGL/1119 FEET MSL.

CONTROLLING OBSTACLES:



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

Bearings, headings, courses, tracks and radials are magnetic. Elevation and altitudes are in feet MSL. Altitudes are minimum altitudes unless otherwise indicated.
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.
WEBSTER CITY, IA	WEBSTER CITY MUNI	18 SEPTEMBER 2014	1

REMARKS:

FLIGHT INSPECTED BY:

FUR Jeffrey Haring 

6/24/14

REQUIRED EFFECTIVE DATE:

ROUTINE

DEVELOPED BY:

TR JILL OLSON 
(TOMMY BYRNS) AJV-353

4/3/2014

APPROVED BY:

FUR GEORGE GONZALEZ 
AJV-353

JUN 21 2014

COORDINATED WITH:

AOPA, NBAA, AMGR

CHANGES:

1. UPDATED RWY 14/32 TAKEOFF OBS NOTES.

REASONS:

1. DISPLACED THR AND NEW OBSTACLE DATA.



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: MAFED/FOD 21.34 DME FIX									
FOD VORTAC (IAF)					ILUYI/10.00 DME					111.57 / 10.00					2800					CLIMB TO 2800 THEN RIGHT TURN ON FOD VORTAC R-112 TO MERYM/16.00 DME AND HOLD.									
ILUYI/10.00 DME (IF)					MERYM/16.00 DME					111.57 / 6.00 (FOD R-112)					2800														
															ADDITIONAL FLIGHT DATA: HOLD W, RT, 111.57 INBOUND. FAS OBST: 1349 AAO 422923N/0935447W MERYM TO RW14: 2.91/45. CHART CIRCLING ICON FAC CROSSES RWY C/L EXTENDED 308 FROM THLD.														
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD W FOD VORTAC, RT, 111.57 INBOUND, 2800 FT. IN LIEU OF PT (IAF) 3. FAC 111.57 FAF MERYM/16.00 DME _____ DIST FAF TO MAP _____ THLD 5.34 4. MIN. ALT ILUYI 2800, MERYM 2800 8. MSA FROM: FOD VORTAC 270-360 3400, 360-270 2800															MAG VAR: 7E 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														
S-14	1680	1	563	1680	1	563		NA			NA																		
CIRCLING	1680	1	558	1680	1	558		NA			NA																		
NOTES:																													
CHART PLANVIEW NOTE: NOPT FOR ARRIVAL ON FOD VORTAC AIRWAY RADIALS 215 CW 048. CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE CLARION ALTIMETER SETTING AND INCREASE ALL MDA 60 FEET. (SEE FORM 8260-10)																													
CITY AND STATE					ELEVATION: 1122 TDZE: 1117					FACILITY IDENTIFIER:					PROCEDURE NO./AMDT NO./EFFECTIVE DATE:					SUP VOR/DME OR GPS									
WEBSTER CITY, IA					AIRPORT NAME:					FOD					VOR/DME RWY 14, AMDT 5					RWY 14									
					WEBSTER CITY MUNI										18 SEPTEMBER 2014					AMDT 4									
																				DATE 10/30/2003									

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
VOR/DME STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - - TITLE 14 CFR PART 97.23

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NOTES, (CONT.):

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

CITY AND STATE
WEBSTER CITY, IA

ELEVATION: 1122 TDZE: 1117
AIRPORT NAME:
WEBSTER CITY MUNI

FACILITY
IDENTIFIER:
FOD

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
VOR/DME RWY 14, AMDT 5
18 SEPTEMBER 2014

SUP: VOR/DME OR GPS
RWY 14
AMDT: 4
DATED: 10/30/2003

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: RW10L CLIMB TO 7300 DIRECT JARID AND ON TRACK 115.35 TO CANEK AND HOLD. ADDITIONAL FLIGHT DATA: HOLD NW, LT, 115.07 INBOUND. CHART FAS OBST: 2867 ROD 433405N/1161423W CHART FAS OBST: 2880 ROD 433415N/1161350W DISTANCE TO THLD FROM 250 HAT: 0.66 NM. CHART VDP AT 1.24 MILES TO RW10L* *LNAV ONLY. WAAS CHANNEL # 78102 REFERENCE PATH ID: W10A LTP HAE: 845.9 M	
RENOL	BOYCA (FB)	354.95 / 13.84	6000		
BOYCA (IAF)	ATTOL (NOPT) (FB)	010.28 / 5.84	5200		
NICPE (IAF)	ATTOL (NOPT) (FB)	189.96 / 5.67	5200		
PARMO (IAF)	ATTOL (NOPT) (FB)	098.28 / 16.59	5200		
ATTOL (IF/IAF)	MIGEE (FB)	099.97 / 7.42	4100		
MIGEE (FAF)	RW10L (MAP) (FO)	100.08 / 3.78			
RW10L (MAP)	3094 MSL	100.08			
(SEE FORM 8260-10)					
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD W ATTOL, RT, 099.97 INBOUND, 5200 FT. IN LIEU OF PT (IAF) 3. FAC: 100.08 FAF: MIGEE _____ DIST FAF TO MAP: 3.78 THLD: 3.78 4. MIN. ALT: ATTOL 5200, MIGEE 4100 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 4100 GS ALT AT: MIGEE 4100 _____ OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 53.2 34:1 IS NOT CLEAR 8. MSA FROM: RW10L 9400				MAG VAR: 15E EPOCH YEAR: 2005	
MINIMUMS					
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE: N A	
STANDARD					
CATEGORY =====>	A		B		C
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS
LPV DA	3094	1	250	3094	1
LNAV/VNAV DA	3173	1 1/4	329	3173	1 1/4
LNAV MDA	3280	1	436	3280	1 3/8
CIRCLING					
	3440	1	569	3440	1 1/2
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -20C (-4F) OR ABOVE 42C (108F). CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. (SEE FORM 8260-10)					
CITY AND STATE		ELEVATION: 2871 TDZE: 2844		FACILITY IDENTIFIER: RNAV	
BOISE, ID		AIRPORT NAME: BOISE AIR TERMINAL/GOWEN FLD		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) Y RWY 10L, AMDT 2B 18 SEPTEMBER 2014	
		SUP:		AMDT: 2A	
		DATED		08/27/2009	

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
3094 MSL	JARID (FB)		
JARID	CANEK (FO)	115.35 / 22.04	7300

NOTES, (CONT.):

CHART NOTE: CIRCLING NA N OF RWY 10L-28R.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT RENOL ON V113 SOUTHWEST BOUND, AND ARRIVALS AT PARMO ON V500 NORTHWEST BOUND.

CITY AND STATE
BOISE, ID

ELEVATION: 2871 TDZE: 2844
AIRPORT NAME:
BOISE AIR TERMINAL/GOWEN FLD

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:
RNAV (GPS) Y RWY 10L, AMDT 2B
18 SEPTEMBER 2014

SUP:
AMDT: 2A
DATED: 08/27/2009

**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	KBOI
RUNWAY	RW10L
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	Y
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W10A
LTP/FTP LATITUDE	433412.7600N
LTP/FTP LONGITUDE	1161412.8800W
LTP/FTP ELLIPSOIDAL HEIGHT	+08459
FPAP LATITUDE	433330.8000N
FPAP LONGITUDE	1161209.9500W
THRESHOLD CROSSING HEIGHT (TCH)	00053.2
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)	50.0

CRC REMAINDER

F7DC1A2F

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K1
LTP ORTHOMETRIC HEIGHT	+08627
FPAP ORTHOMETRIC HEIGHT	+08627

CITY AND STATE BOISE, ID	ELEVATION: 2871 AIRPORT NAME: BOISE AIR TERMINAL/GOWEN FLD	TDZE: 2844 FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) Y RWY 10L, AMDT 2B 18 SEPTEMBER 2014	SUP:
				AMDT: 2A
				DATED: 08/27/2009

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 visibility 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	KBOIK1FR10LY	AATTOL	010ATTOLK1EA0EE	AR	HF		10000050	+	05200	18000		A	JS
SUSAP	KBOIK1FR10LY	ANICPE	010NICPEK1EA0E	A	IF					18000		A	JS
SUSAP	KBOIK1FR10LY	ANICPE	020ATTOLK1EA0EE	B	010TF		19000057	+	05200			A	JS
SUSAP	KBOIK1FR10LY	APARMO	010PARMOK1EA0E	A	IF					18000		A	JS
SUSAP	KBOIK1FR10LY	APARMO	020ATTOLK1EA0EE	B	010TF		09830166	+	05200			A	JS
SUSAP	KBOIK1FR10LY	ARENOL	010RENOLK1EA0E		IF					18000		A	JS
SUSAP	KBOIK1FR10LY	ARENOL	020BOYCAK1EA0E	A	020TF		35500138	+	06000			A	JS
SUSAP	KBOIK1FR10LY	ARENOL	030ATTOLK1EA0EE	B	010TF		01030058	+	05200			A	JS
SUSAP	KBOIK1FR10LY	R	010ATTOLK1EA0E	I	IF			+	05200	18000		A	JS
SUSAP	KBOIK1FR10LY	R	020MIGEEK1EA1E	F	051TF		10000074	+	04100			RW10L	K1PGA JS
SUSAP	KBOIK1FR10LY	R	020MIGEEK1EA2WALPV			ALNAV/VNAV	ALNAV						JS
SUSAP	KBOIK1FR10LY	R	030RW10LK1PGOGY	M	031TF		10010038		02884	-300		A	JS
SUSAP	KBOIK1FR10LY	R	040	0	M	CA	1001	+	03094			A	JS
SUSAP	KBOIK1FR10LY	R	050JARIDK1EA0E		DF							A	JS
SUSAP	KBOIK1FR10LY	R	060CANEEKK1EA0EY		010TF		1154	+	07300			A	JS
SUSAP	KBOIK1FR10LY	R	070CANEEKK1EA0EE	L	HM		11510070	+	07300			A	JS

[illegible][illegible]

CITY AND STATE BOISE, ID	ELEVATION: 2871	TDZE: 2844	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) Y RWY 10L, AMDT 2B 18 SEPTEMBER 2014	SUP:
	AIRPORT NAME: BOISE AIR TERMINAL/GOWEN FLD				AMDT: 2A
					DATED: 08/27/2009

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 BOISE, ID	ELEVATION: 2871 AIRPORT NAME: BOISE AIR TERMINAL/GOWEN FLD	TDZE: 2844 RNAV	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) Y RWY 10L, AMDT 2B 18 SEPTEMBER 2014	SUP:
					AMDT: 2A
					DATED: 08/27/2009

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
	ATTOL	ATTOL	010	IAF	HF	R	FO		100.0 (115.0T)	005.0	AA 05200	
	NICPE	NICPE	010	IAF	IF		FB					
	NICPE	ATTOL	020		TF		FB	1.0	190.0 (205.0T)	005.7	AA 05200	
	PARMO	PARMO	010	IAF	IF		FB					
	PARMO	ATTOL	020		TF		FB	1.0	098.3 (113.3T)	016.6	AA 05200	
	RENOL	RENOL	010		IF		FB					
	RENOL	BOYCA	020	IAF	TF		FB	2.0	355.0 (010.0T)	013.8	AA 06000	
	RENOL	ATTOL	030		TF		FB	1.0	010.3 (025.3T)	005.8	AA 05200	
		ATTOL	010	FACF	IF		FB				AA 05200	
		MIGEE	020	FAF	TF		FB	0.5	100.0 (115.0T)	007.4	AA 04100	
		RW10L	030	MAP	TF		FO	0.3	100.1 (115.1T)	003.8	AT 02884	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		100.1 (115.1T)		AA 03094	
	JARID	050		DF		FB					
	CANEK	060		TF		FO	1.0	115.4 (130.4T)		AA 07300	
	CANEK	070		HM	L	FO		115.1 (130.1T)	007.0	AA 07300	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	ATTOL	N433857.31	W1162810.86	N4338.955	W11628.181
	BOYCA	N433340.47	W1163136.93	N4333.675	W11631.616
	CANEK	N431857.88	W1154828.06	N4318.965	W11548.468
	JARID	N433316.66	W1161128.54	N4333.278	W11611.476
	MIGEE	N433548.90	W1161855.17	N4335.815	W11618.920
	NICPE	N434405.90	W1162453.08	N4344.098	W11624.885
	PARMO	N434532.78	W1164910.43	N4345.546	W11649.174
	RENOL	N432002.38	W1163454.24	N4320.040	W11634.904
	RW10L	N433412.76	W1161412.88	N4334.213	W11614.215

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW10L	02831	53

CITY AND STATE BOISE, ID	ELEVATION: 2871	TDZE: 2844	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME: BOISE AIR TERMINAL/GOWEN FLD		RNAV	RNAV (GPS) Y RWY 10L, AMDT 2B	AMDT: 2A
				18 SEPTEMBER 2014	DATED: 08/27/2009

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: RW10R CLIMB TO 7300 DIRECT PUKIE AND ON TRACK 115.05 TO CANEK AND HOLD. ADDITIONAL FLIGHT DATA: HOLD NW, LT, 115.07 INBOUND. CHART FAS OBST: 2850 POLE 433417N/1161513W CHART FAS OBST: 2867 ROD ON OL GS 433405N/1161423W DISTANCE TO THLD FROM 250 HAT: 0.64 NM. CHART VDP AT 1.13 MILES TO RW10R* *LNAV ONLY. WAAS CHANNEL # 40203 REFERENCE PATH ID: W10B CHART IN PLANVIEW: MAXIMUM HOLDING AIRSPEED 230 KIAS. LTP HAE: 843.9 M											
RENOL	BOYCA (FB)	354.95 / 13.84	6000												
BOYCA (IAF)	WONIT (NOPT) (FB)	010.18 / 5.73	5200												
NICPE (IAF)	WONIT (NOPT) (FB)	190.07 / 5.79	5200												
PARMO (IAF)	WONIT (NOPT) (FB)	098.68 / 16.58	5200												
WONIT (IF/IAF)	SITSE (FB)	099.97 / 7.21	4100												
SITSE (FAF)	RW10R (MAP) (FO)	100.08 / 3.78													
RW10R (MAP)	3086 MSL	100.08													
(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 <u>W</u> WONIT, RT, 099.97 INBOUND, 5200 FT. IN LIEU OF PT (IAF) 3. FAC: <u>100.08</u> FAF: <u>SITSE</u> DIST FAF TO MAP: <u>3.78</u> THLD: <u>3.78</u> 4. MIN. ALT: <u>WONIT 5200, SITSE 4100</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>4100</u> GS ALT AT: <u>SITSE 4100</u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u>3.00</u> TCH: <u>58.1</u> 34:1 IS CLEAR 8. MSA FROM: <u>RW10R 9400</u>				MAG VAR: 15E EPOCH YEAR: 2005											
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	3086	2400	250	3086	2400	250	3086	2400	250	3086	2400	250	3086	2400	250
LNAV/VNAV DA	3189	4000	353	3189	4000	353	3189	4000	353	3189	4000	353	3189	4000	353
LNAV MDA	3240	2400	404	3240	2400	404	3240	4000	404	3240	5000	404	3240	5000	404
CIRCLING	3440	1	569	3440	1	569	3440	1 1/2	569	3440	2	569	3860	3	989
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -20C (-4F) OR ABOVE 42C (107F). @ CAT E 1000-3 CHART NOTE: DME/DME RNP-0.3 NA. CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT. (SEE FORM 8260-10)															
CITY AND STATE		ELEVATION: 2871 TDZE: 2836		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:					
BOISE, ID		AIRPORT NAME:		BOISE AIR TERMINAL/GOWEN FLD		RNAV (GPS) Y RWY 10R, AMDT 1B 18 SEPTEMBER 2014				AMDT: 1A					
										DATED 08/27/2009					

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
3086 MSL	PUKIE		
PUKIE	CANEK (FO)	115.05 / 22.03	7300

NOTES, (CONT.):

CHART NOTE: CIRCLING NA N OF RWY 10L-28R.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT RENOL ON V113 SOUTHWEST BOUND, AND ARRIVALS AT PARMO ON V500 NORTHWEST BOUND.

CHART NOTE: FOR INOPERATIVE ALSF, INCREASE LPV CAT E VISIBILITY TO RVR 4000, LNAV/VNAV CAT E VISIBILITY TO 1 1/4, AND LNAV CAT C/D/E VISIBILITY TO 1 3/8.

QUALITY
2
CHECKED

CITY AND STATE

BOISE, ID

ELEVATION: 2871

TDZE: 2836

AIRPORT NAME:

BOISE AIR TERMINAL/GOWEN FLD

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:

RNAV (GPS) Y RWY 10R, AMDT 1B

18 SEPTEMBER 2014

SUP:

AMDT: 1A

DATED: 08/27/2009

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 KBOI
RUNWAY RW10R
APPROACH PERFORMANCE DESIGNATOR 0
ROUTE INDICATOR Y
REFERENCE PATH DATA SELECTOR 0
REFERENCE PATH IDENTIFIER (APPROACH ID) W10B
LTP/FTP LATITUDE 433412.1210N
LTP/FTP LONGITUDE 1161433.4150W
LTP/FTP ELLIPSOIDAL HEIGHT +08439
FPAP LATITUDE 433331.1615N
FPAP LONGITUDE 1161233.3940W
THRESHOLD CROSSING HEIGHT (TCH) 00058.1
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) 50.0

CRC REMAINDER

674712BC

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K1
LTP ORTHOMETRIC HEIGHT +08608
FPAP ORTHOMETRIC HEIGHT +08608

QUALITY
2
CHECKED

CITY AND STATE

BOISE, ID

ELEVATION: 2871

TDZE: 2836

AIRPORT NAME:

BOISE AIR TERMINAL/GOWEN FLD

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) Y RWY 10R, AMDT 1B

18 SEPTEMBER 2014

SUP:

AMDT: 1A

DATED: 08/27/2009

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	KBOIK1FR10RY	ANICPE	010NICPEK1EA0E	A	IF					18000		A	JS
SUSAP	KBOIK1FR10RY	ANICPE	020WONITK1EA0EE	B	010TF		19010058	+	05200			A	JS
SUSAP	KBOIK1FR10RY	APARMO	010PARMOK1EA0E	A	IF					18000		A	JS
SUSAP	KBOIK1FR10RY	APARMO	020WONITK1EA0EE	B	010TF		09870166	+	05200			A	JS
SUSAP	KBOIK1FR10RY	ARENOL	010RENOLK1EA0E		IF					18000		A	JS
SUSAP	KBOIK1FR10RY	ARENOL	020BOYCAK1EA0E	A	020TF		35500138	+	06000			A	JS
SUSAP	KBOIK1FR10RY	ARENOL	030WONITK1EA0EE	B	010TF		01020057	+	05200			A	JS
SUSAP	KBOIK1FR10RY	AWONIT	010WONITK1EA0EE	AR	HF		10000050	+	05200	18000230		A-JS	
SUSAP	KBOIK1FR10RY	R	010WONITK1EA0E	I	IF			+	05200	18000		A	JS
SUSAP	KBOIK1FR10RY	R	020SITSEK1EA1E	F	051TF		10000072	+	04100		RW10R K1PGA	JS	
SUSAP	KBOIK1FR10RY	R	020SITSEK1EA2WALPV			ALNAV/VNAV	ALNAV					JS	
SUSAP	KBOIK1FR10RY	R	030RWL0RK1PG0GY	M	031TF		10010038		02882	-300		A	JS
SUSAP	KBOIK1FR10RY	R	040	0	M	CA	1001	+	03086			A	JS
SUSAP	KBOIK1FR10RY	R	050PUKIEK1EA0E		DF							A	JS
SUSAP	KBOIK1FR10RY	R	060CANEKK1EA0EY		010TF		1151	+	07300			A	JS
SUSAP	KBOIK1FR10RY	R	070CANEKK1EA0EE	L	HM		11510070	+	07300	230		A-JS	

[illegible]

CITY AND STATE BOISE, ID	ELEVATION: 2871 AIRPORT NAME: BOISE AIR TERMINAL/GOWEN FLD	TDZE: 2836 RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) Y RWY 10R, AMDT 1B 18 SEPTEMBER 2014	SUP:
				AMDT: 1A
				DATED: 08/27/2009

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 KBOIK1PR10RY RW10R001Y0000W10B0N4334121210W11614334150+084390300N4333311615W11612333940106750000000581F400500674712BC
SUSAP KBOIK1PR10RY RW10R002E +08608+08608LPV 40203

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

SUSAP KBOIK1SRW10RK1PG	0	18018009425										M	

CITY AND STATE BOISE, ID	ELEVATION: 2871 TDZE: 2836	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) Y RWY 10R, AMDT 1B 18 SEPTEMBER 2014	SUP:
	AIRPORT NAME: BOISE AIR TERMINAL/GOWEN FLD			AMDT: 1A
				DATED: 08/27/2009

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
	NICPE	NICPE	010	IAF	IF		FB					
	NICPE	WONIT	020		TF		FB	1.0	190.1 (205.1T)	005.8	AA 05200	
	PARMO	PARMO	010	IAF	IF		FB					
	PARMO	WONIT	020		TF		FB	1.0	098.7 (113.7T)	016.6	AA 05200	
	RENOL	RENOL	010		IF		FB					
	RENOL	BOYCA	020	IAF	TF		FB	2.0	355.0 (010.0T)	013.8	AA 06000	
	RENOL	WONIT	030		TF		FB	1.0	010.2 (025.2T)	005.7	AA 05200	
	WONIT	WONIT	010	IAF	HF	R	FO		100.0 (115.0T)	005.0	AA 05200	AB 230
		WONIT	010	FACF	IF		FB				AA 05200	
		SITSE	020	FAF	TF		FB	0.5	100.0 (115.0T)	007.2	AA 04100	
		RW10R	030	MAP	TF		FO	0.3	100.1 (115.1T)	003.8	AT 02882	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		100.1 (115.1T)		AA 03086	
	PUKIE	050		DF		FB					
	CANEK	060		TF		FO	1.0	115.1 (130.1T)		AA 07300	
	CANEK	070		HM	L	FO		115.1 (130.1T)	007.0	AA 07300	AB 230

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	BOYCA	N433340.47	W1163136.93	N4333.675	W11631.616
	CANEK	N431857.88	W1154828.06	N4318.965	W11548.468
	NICPE	N434405.90	W1162453.08	N4344.098	W11624.885
	PARMO	N434532.78	W1164910.43	N4345.546	W11649.174
	PUKIE	N433310.92	W1161134.14	N4333.182	W11611.569
	RENOL	N432002.38	W1163454.24	N4320.040	W11634.904
	SITSE	N433548.37	W1161916.02	N4335.806	W11619.267
	WONIT	N433851.37	W1162815.65	N4338.856	W11628.261
	RW10R	N433412.12	W1161433.42	N4334.202	W11614.557

RUNWAY DATA	THRESHOLD	ELEVATION	TCH
RWY			
RW10R	02824		58

CITY AND STATE BOISE, ID	ELEVATION: 2871	TDZE: 2836	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME: BOISE AIR TERMINAL/GOWEN FLD		RNAV	RNAV (GPS) Y RWY 10R, AMDT 1B	AMDT: 1A
				18 SEPTEMBER 2014	DATED: 08/27/2009

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							
CAMML (IAF) SMYRF (IF) ODRUE NUCIC GEYEF (FAF) (SEE FORM 8260-10)		SMYRF (TF) (FB) (RNP 1.00)		100.47 / 4.84				6800		CLIMB TO 6000 ON TRACK 280.13 TO JIMMI AND HOLD, CONTINUE CLIMB-IN-HOLD TO 6000.							
		ODRUE (TF) (FB) (RNP 0.30)		101.27 / 5.28				5500									
		NUCIC (RF) (FB) (RNP 0.15)		(2.27 NM RADIUS CW (CFCBM)/2.31				4800									
		GEYEF (RF) (FB) (RNP 0.15)		(2.20 NM RADIUS CW (CFCBL)/0.96				4500		ADDITIONAL FLIGHT DATA: HOLD W, RT, 099.97 INBOUND. ROUTE TYPE QUALIFIER 1: F ROUTE TYPE: A, H ROUTE TYPE QUALIFIER 2: S DISTANCE TO THLD FROM 418 HAT: 1.16 NM. CHART MANDATORY 8000 AT CAMML. #TCH 2908.1 MSL (DO NOT CHART)							
		* WEDEK (RF) (FB)		(1.79 NM RADIUS CW (CFFMG)/2.99													
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 SMYRF																	
3. FAC: * <u> </u> FAF: <u> </u> DIST FAF TO MAP: <u> </u> THLD: <u> </u>																	
4. MIN. ALT: SMYRF 6800, ODRUE 5500, NUCIC 4800, GEYEF 4500																	
5. DIST TO THLD FROM OM: <u>5.00</u> MM: <u> </u> IM: <u> </u> 150 HAT: <u> </u> 100 HAT: <u> </u> GS ANT: <u> </u>																	
6. MIN GS INCPT: <u>4500</u> GS ALT AT: GEYEF 4500, WEDEK 3548 OM: <u> </u> MM: <u> </u> IM: <u> </u>																	
7. GS ANGLE: <u>3.00</u> TCH: <u>50.0#</u> 34:1 IS CLEAR																	
8. MSA FROM: RW28L 9400												MAG VAR: 15E EPOCH YEAR: 2005					
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	DH/MDA	VIS
AUTHORIZATION REQUIRED																	
RNP 0.15 DA	3276	4700	418	3276	4700	418	3276	4700	418	3276	4700	418					
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -14C (7F) OR ABOVE 53C (128F). CHART NOTE: FOR INOPERATIVE MALSR, INCREASE RNP 0.15 ALL CATS VISIBILITY TO 1 3/8. CHART NOTE: RF REQUIRED. CHART NOTE: GPS REQUIRED. (SEE FORM 8260-10)																	
CITY AND STATE		ELEVATION: 2871 TDZE: 2858		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:						SUP:					
BOISE, ID		AIRPORT NAME:				RNAV (RNP) X RWY 28L, ORIG						AMDT: NONE					
		BOISE AIR TERMINAL/GOWEN FLD				18 SEPTEMBER 2014						DATED					

 QUALITY
2
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
WEDEK	* RW28L (MAP) (TF) (FO)	280.18 / 2.01	
RW28L (MAP)	JIMMI (TF) (FO) (RNP 1.00)	280.13 / 11.15	6000

NOTES, (CONT.):

CHART PLANVIEW NOTE AT CAMML (IAF) : MAX 210 KIAS.
 CHART PLANVIEW NOTE AT ODRUE : MAX 180 KIAS.
 CHART PLANVIEW NOTE AT CAMML (IAF): (RNP 0.15).

QUALITY
2
CONTROL

CITY AND STATE
 BOISE, ID

ELEVATION: 2871 TDZE: 2858
 AIRPORT NAME:
 BOISE AIR TERMINAL/GOWEN FLD

FACILITY
 IDENTIFIER:
 RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
 RNAV (RNP) X RWY 28L, ORIG
 18 SEPTEMBER 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]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KBOIK1FH28LX	ACAMML	010CAMMLK1PC0E	A	IF				08000	18000210		A-FS	
SUSAP	KBOIK1FH28LX	ACAMML	020SMYRFK1PC0E	B	010TF				+ 06800			A FS	
SUSAP	KBOIK1FH28LX	ACAMML	030ODRUEK1PC0EE		031TF				+ 05500	180		A-FS	
SUSAP	KBOIK1FH28LX	H	010ODRUEK1PC0E	I	IF				+ 05500	18000180	RW28L	K1PGA-FS	
SUSAP	KBOIK1FH28LX	H	011NUCICK1PC0E		R152RF	0022701013	15950023		+ 04800		CFCBM	K1PCA FS	
SUSAP	KBOIK1FH28LX	H	020GEYEEK1PC1E		FR152RF	0022001595	18450010		+ 04500		CFCBL	K1PCA FS	
SUSAP	KBOIK1FH28LX	H	020GEYEEK1PC2W							A152		FS	
SUSAP	KBOIK1FH28LX	H	021WEDEKK1PC0E		R152RF	0017901845	28020030				-300CFFMG	K1PCA FS	
SUSAP	KBOIK1FH28LX	H	030RW28LK1PG0GY	M	152TF				02908		-300	A FS	
SUSAP	KBOIK1FH28LX	H	040JIMMIK1PC0EYM		010TF				+ 06000			A FS	
SUSAP	KBOIK1FH28LX	H	050JIMMIK1PC0EE	R	HM		10000050		+ 06000			A FS	

[illegible][illegible]

CITY AND STATE BOISE, ID	ELEVATION: 2871 TDZE: 2858	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME: BOISE AIR TERMINAL/GOWEN FLD	RNAV	RNAV (RNP) X RWY 28L, ORIG	AMDT: NONE
			18 SEPTEMBER 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.

ARINC SUMMARY - 424-18 - RNAV (RNP)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	CAMML	CAMML	010	IAF	IF		FB				AT 08000	AB 210
	CAMML	SMYRF	020		TF		FB	1.0			AA 06800	
	CAMML	ODRUE	030		TF		FB	0.3			AA 05500	AB 180
		ODRUE	010	FACF	IF		FB				AA 05500	AB 180
		NUCIC	011		RF	R	FB	0.15		002.3	AA 04800	
		GEYEV	020	FAF	RF	R	FB	0.15		001.0	AA 04500	
		WEDEK	021		RF	R	FB	0.15		003.0		
		RW28L	030	MAP	TF		FO	0.15			AT 02908	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	JIMMI	040		TF		FO	1.0			AA 06000	
	JIMMI	050		HM	R	FO		100.0 (115.0T)	005.0	AA 06000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CAMML	N434052.42	W1162046.93	N4340.874	W11620.782
	CFCBL	N433425.31	W1160932.33	N4334.422	W11609.539
	CFCBM	N433424.91	W1160938.08	N4334.415	W11609.635
	CFFMG	N433417.08	W1160900.44	N4334.285	W11609.007
	GEYEV	N433341.13	W1160641.24	N4333.686	W11606.687
	JIMMI	N433814.40	W1162627.45	N4338.240	W11626.458
	NUCIC	N433437.84	W1160631.57	N4334.631	W11606.526
	ODRUE	N433626.98	W1160814.94	N4336.450	W11608.249
	SMYRF	N433847.38	W1161445.85	N4338.790	W11614.764
	WEDEK	N433239.87	W1161003.29	N4332.665	W11610.055
	RW28L	N433331.16	W1161233.39	N4333.519	W11612.557

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW28L	02858	50

CITY AND STATE BOISE, ID	ELEVATION: 2871	TDZE: 2858	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (RNP) X RWY 28L, ORIG 18 SEPTEMBER 2014	SUP:
	AIRPORT NAME: BOISE AIR TERMINAL/GOWEN FLD				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				MISSED APPROACH								
FROM	TO	COURSE AND DISTANCE	ALTITUDE	RNP: DA								
KOLKE (IF)	ALSIZ (TF) (FB) (RNP 1.00)	282.70 / 6.89	6200	CLIMB TO 7300 ON TRACK 100.14 TO FEBES AND ON TRACK 122.81 TO CANEK AND HOLD. ADDITIONAL FLIGHT DATA: HOLD NW, LT, 115.07 INBOUND. DISTANCE TO THLD FROM 320 HAT: 0.84 NM. ROUTE TYPE: A, H ROUTE TYPE QUALIFIER 2: S ROUTE TYPE QUALIFIER 1: F #TCH 2883.7 MSL (DO NOT CHART) CHART MANDATORY 7000 AT EKEME. CHART MANDATORY 6000 AT APISE. CHART MANDATORY 5000 AT JIMMI. CHART MANDATORY 8000 AT KOLKE. CHART MANDATORY 6700 AT LIBYY.								
ALSIZ	CUVEL (RF) (FB) (RNP 1.00)	(2.54 NM RADIUS CCW (CFCBN)/4.72	4700									
CUVEL	SEPRE (RF) (FB) (RNP 0.50)	(2.54 NM RADIUS CCW (CFCBN)/1.01	4400									
LIBYY (IF)	CAMML (TF) (FB) (RNP 1.00)	154.65 / 6.00	5300									
CAMML	SEPRE (TF) (FB) (RNP 1.00)	153.31 / 3.73	4400									
(SEE FORM 8260-10)												
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. PROFILE STARTS AT FATIB 3. FAC: 100.09 FAF: _____ DIST FAF TO MAP: _____ THLD: _____ 4. MIN. ALT: FATIB 3800 5. DIST TO THLD FROM OM: 2.88 MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 3800 GS ALT AT: FATIB 3800 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 53.2# 34:1 IS NOT CLEAR 8. MSA FROM: RW10L 9400				MAG VAR: 15E EPOCH YEAR: 2005								
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 0.15 DA	3164	1	320	3164	1	320	3164	1	320	3164	1	320
RNP 0.30 DA	3219	1 1/4	375	3219	1 1/4	375	3219	1 1/4	375	3219	1 1/4	375
NOTES: CHART PLANVIEW NOTE AT ALSIZ : MAX 210 KIAS. CHART PLANVIEW NOTE AT SEPRE : MAX 210 KIAS. CHART PLANVIEW NOTE AT ZAMDA : MAX 210 KIAS. (SEE FORM 8260-10)												
CITY AND STATE		ELEVATION: 2871 TDZE: 2844		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:		SUP:				
BOISE, ID		AIRPORT NAME:		BOISE AIR TERMINAL/GOWEN FLD		RNAV (RNP) Z RWY 10L, AMDT 1 18 SEPTEMBER 2014		AMDT: ORIG-B				
								DATED 11/17/2011				

QUALITY
2
CHECKED

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
SEPRE	FATIB (RF) (FB) (RNP 0.50)	(2.54 NM RADIUS CCW (CFCBN)/2.36	3800
JIMMI (IF)	AEDES (TF) (FB) (RNP 1.00)	098.19 / 3.89	4500
AEDES	FATIB (TF) (FB) (RNP 1.00)	100.09 / 3.00	3800
APISE (IF)	ZAMDA (TF) (FB) (RNP 1.00)	021.72 / 5.72	4800
ZAMDA	FATIB (RF) (FB) (RNP 1.00)	(2.37 NM RADIUS CW (CFCBP)/3.24	3800
EKEME (IF)	ODUME (TF) (FB) (RNP 1.00)	282.64 / 3.68	6000
ODUME	ZAMDA (RF) (FB) (RNP 1.00)	(2.37 NM RADIUS CW (CFCBP)/4.10	4800
FATIB (FAF)	RW10L (MAP) (TF) (FO)	100.09 / 2.88	
RW10L (MAP)	FEBES (TF) (FB) (RNP 1.00)	100.14 / 9.56	
FEBES	CANEK (TF) (FO) (RNP 1.00)	122.81 / 15.06	7300

NOTES, (CONT.):

CHART PLANVIEW NOTE AT ODUME : MAX 210 KIAS.

CHART PLANVIEW NOTE AT KOLKE: (RNP 0.50).

CHART PLANVIEW NOTE AT LIBYY: (RNP 0.50).

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -14C (7F) OR ABOVE 52C (127F).

CHART PLANVIEW NOTE AT LIBYY, KOLKE, APISE, EKEME: RF REQUIRED.

CHART PROFILE NOTE: SEE PLANVIEW FOR MULTIPLE IF LOCATIONS.

CHART NOTE: GPS REQUIRED

QUALITY
2
REVIEWED

CITY AND STATE BOISE, ID	ELEVATION: 2871 TDZE: 2844 AIRPORT NAME: BOISE AIR TERMINAL/GOWEN FLD	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (RNP) Z RWY 10L, AMDT 1 18 SEPTEMBER 2014	SUP:
				AMDT: ORIG-B
				DATED: 11/17/2011

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]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KBOIK1FH10LZ	AAPISE	010APISEK1PCOE	B	IF				06000	18000		A	FS
SUSAP	KBOIK1FH10LZ	AAPISE	020ZAMDAK1PCOE		010TF				+ 04800	210		A	-FS
SUSAP	KBOIK1FH10LZ	AAPISE	030FATIBK1PCOE	E	R010RF				+ 03800			CFCBP	K1PCA FS
SUSAP	KBOIK1FH10LZ	AEKEME	010EKEMEK1PCOE	B	IF	0023700217	10010032		07000	18000		A	FS
SUSAP	KBOIK1FH10LZ	AEKEME	020ODUMK1PCOE		010TF				+ 06000	210		A	-FS
SUSAP	KBOIK1FH10LZ	AEKEME	030ZAMDAK1PCOE		R010RF	0023702826	02170041		+ 04800	210		CFCBP	K1PCA-FS
SUSAP	KBOIK1FH10LZ	AEKEME	040FATIBK1PCOE	E	R010RF	0023700217	10010032		+ 03800			CFCBP	K1PCA FS
SUSAP	KBOIK1FH10LZ	AJIMMI	010JIMMIK1PCOE	B	IF				05000	18000		A	FS
SUSAP	KBOIK1FH10LZ	AJIMMI	020AEDESK1PCOE		010TF				+ 04500			A	FS
SUSAP	KBOIK1FH10LZ	AJIMMI	030FATIBK1PCOE	E	010TF				+ 03800			A	FS
SUSAP	KBOIK1FH10LZ	AKOLKE	010KOLKEK1PCOE	B	IF				08000	18000		A	FS

QUALITY
2
CHECKED

RNAV (RNP) STANDARD INSTRUMENT APPROACH PROCEDURE

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SUSAP	KBOIK1FH10LZ	AKOLKE	020ALSIZK1PCOE	010TF				06200	210	A-FS
SUSAP	KBOIK1FH10LZ	AKOLKE	030CUVELK1PCOE	L010RF	0025402827	17620047		04700		CFCBN K1PCA FS
SUSAP	KBOIK1FH10LZ	AKOLKE	040SEPREK1PCOE	L051RF	0025401762	15330010		04400	210	CFCBN K1PCA-FS
SUSAP	KBOIK1FH10LZ	AKOLKE	050FATIBK1PCOE	L051RF	0025401533	10010024		03800		CFCBN K1PCA FS
SUSAP	KBOIK1FH10LZ	ALIBYY	010LIBYYK1PCOE	B IF				06700	18000	A FS
SUSAP	KBOIK1FH10LZ	ALIBYY	020CAMMLK1PCOE	010TF				05300		A FS
SUSAP	KBOIK1FH10LZ	ALIBYY	030SEPREK1PCOE	010TF				04400	210	A-FS
SUSAP	KBOIK1FH10LZ	ALIBYY	040FATIBK1PCOE	L051RF	0025401533	10010024		03800		CFCBN K1PCA FS
SUSAP	KBOIK1FH10LZ	H	020FATIBK1PC1E	F IF				03800	18000	RW10L K1PGA FS
SUSAP	KBOIK1FH10LZ	H	020FATIBK1PC2W						A031A152	FS
SUSAP	KBOIK1FH10LZ	H	030RW10LK1PGOGY	M 031TF				02884	-300	A FS
SUSAP	KBOIK1FH10LZ	H	040FEBESK1PCOE	M 010TF						A FS
SUSAP	KBOIK1FH10LZ	H	050CANEEK1EA0EY	010TF				07300		A FS
SUSAP	KBOIK1FH10LZ	H	060CANEEK1EA0EE	L HM		11510070		07300		A FS

[illegible][illegible]

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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
	APISE	APISE	010		IF		FB				AT 06000	
	APISE	ZAMDA	020		TF		FB	1.0			AA 04800	AB 210
	APISE	FATIB	030		RF	R	FB	1.0		003.2	AA 03800	
	EKEME	EKEME	010		IF		FB				AT 07000	
	EKEME	ODUME	020		TF		FB	1.0			AA 06000	AB 210
	EKEME	ZAMDA	030		RF	R	FB	1.0		004.1	AA 04800	AB 210
	EKEME	FATIB	040		RF	R	FB	1.0		003.2	AA 03800	
	JIMMI	JIMMI	010		IF		FB				AT 05000	
	JIMMI	AEDES	020		TF		FB	1.0			AA 04500	
	JIMMI	FATIB	030		TF		FB	1.0			AA 03800	
	KOLKE	KOLKE	010		IF		FB				AT 08000	
	KOLKE	ALSIZ	020		TF		FB	1.0			AA 06200	AB 210
	KOLKE	CUVEL	030		RF	L	FB	1.0		004.7	AA 04700	
	KOLKE	SEPRE	040		RF	L	FB	0.5		001.0	AA 04400	AB 210
	KOLKE	FATIB	050		RF	L	FB	0.5		002.4	AA 03800	
	LIBYY	LIBYY	010		IF		FB				AT 06700	
	LIBYY	CAMML	020		TF		FB	1.0			AA 05300	
	LIBYY	SEPRE	030		TF		FB	1.0			AA 04400	AB 210
	LIBYY	FATIB	040		RF	L	FB	0.5		002.4	AA 03800	
		FATIB	020	FAF	IF		FB				AA 03800	
		RW10L	030	MAP	TF		FO	0.3			AT 02884	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	FEBES	040		TF		FB	1.0				
	CANEK	050		TF		FO	1.0			AA 07300	
	CANEK	060		HM	L	FO		115.1 (130.1T)	007.0	AA 07300	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CANEK	N431857.88	W1154828.06	N4318.965	W11548.468
	AEDES	N433642.44	W1162132.28	N4336.707	W11621.538
	ALSIZ	N433959.19	W1161441.78	N4339.987	W11614.696
	APISE	N433007.58	W1162629.39	N4330.126	W11626.490
	CAMML	N434052.42	W1162046.93	N4340.874	W11620.782
	CFCBN	N433744.13	W1161618.90	N4337.736	W11616.315
	CFCBP	N433317.30	W1161910.79	N4333.288	W11619.180
	CUVEL	N433813.63	W1161944.90	N4338.227	W11619.748
	EKEME	N432928.96	W1161612.28	N4329.483	W11616.205
	FATIB	N433526.02	W1161747.93	N4335.434	W11617.799
	FEBES	N433008.50	W1160219.52	N4330.142	W11602.325
	JIMMI	N433814.40	W1162627.45	N4338.240	W11626.458

CITY AND STATE BOISE, ID	ELEVATION: 2871	TDZE: 2844	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (RNP) Z RWY 10L, AMDT 1 18 SEPTEMBER 2014	SUP:
	AIRPORT NAME: BOISE AIR TERMINAL/GOWEN FLD				AMDT: ORIG-B
					DATED: 11/17/2011

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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KOLKE	N433647.30	W1160617.59	N4336.788	W11606.293
LIBYY	N434646.61	W1162216.06	N4346.777	W11622.268
ODUME	N433111.42	W1162041.32	N4331.190	W11620.689
SEPRE	N433713.31	W1161944.51	N4337.222	W11619.742
ZAMDA	N433442.41	W1162147.31	N4334.707	W11621.789
RW10L	N433412.76	W1161412.88	N4334.213	W11614.215

RUNWAY DATA

	THRESHOLD	
RWY	ELEVATION	TCH
RW10L	02831	53

CITY AND STATE
BOISE, ID

ELEVATION: **2871** TDZE: **2844**
 AIRPORT NAME:
BOISE AIR TERMINAL/GOWEN FLD

FACILITY
 IDENTIFIER:

RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
RNAV (RNP) Z RWY 10L, AMDT 1
18 SEPTEMBER 2014

SUP:
 AMDT: **ORIG-B**
 DATED: **11/17/2011**

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				MISSED APPROACH								
FROM	TO	COURSE AND DISTANCE	ALTITUDE	RNP: DA								
KOLKE (IF)	OYISI (TF) (FB) (RNP 1.00)	280.25 / 7.22	6200	CLIMB TO 7300 ON TRACK 100.13 TO AYDOK AND ON TRACK 122.10 TO CANEK AND HOLD.								
OYISI	ONEXE (RF) (FB) (RNP 1.00)	(2.45 NM RADIUS CCW (CFCBQ)/4.42	4700									
ONEXE	INION (RF) (FB) (RNP 0.40)	(2.45 NM RADIUS CCW (CFCBQ)/0.85	4500	ADDITIONAL FLIGHT DATA: HOLD NW, LT, 115.07 INBOUND. DISTANCE TO THLD FROM 327 HAT: 0.84 NM. CHART MANDATORY 6000 AT APISE. CHART MANDATORY 5000 AT JIMMI. ROUTE TYPE QUALIFIER 1: F ROUTE TYPE: A, H CHART MANDATORY 7000 AT EKEME. CHART MANDATORY 8000 AT KOLKE. ROUTE TYPE QUALIFIER 2: S CHART MANDATORY 6700 AT LIBYY. #TCH 2882.2 MSL (DO NOT CHART)								
LIBYY (IF)	CAMML (TF) (FB) (RNP 1.00)	154.65 / 6.00	5300									
CAMML (SEE FORM 8260-10)	INION (TF) (FB) (RNP 1.00)	156.60 / 3.63	4500									
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. PROFILE STARTS AT ISEBE 3. FAC: 100.09 FAF: _____ DIST FAF TO MAP: _____ THLD: _____ 4. MIN. ALT: ISEBE 3800 5. DIST TO THLD FROM OM: 2.88 MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 3800 GS ALT AT: ISEBE 3800 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 58.1 # 34:1 IS CLEAR 8. MSA FROM: RW10R 9400				MAG VAR: 15E EPOCH YEAR: 2005								
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 0.15 DA	3163	2800	327	3163	2800	327	3163	2800	327	3163	2800	327
RNP 0.30 DA	3199	3500	363	3199	3500	363	3199	3500	363	3199	3500	363
NOTES: CHART NOTE: GPS REQUIRED. CHART PLANVIEW NOTE AT OYISI : MAX 210 KIAS. CHART PLANVIEW NOTE AT INION : MAX 210 KIAS. CHART PLANVIEW NOTE AT BUVXE : MAX 210 KIAS. (SEE FORM 8260-10)												
CITY AND STATE BOISE, ID		ELEVATION: 2871 TDZE: 2836 AIRPORT NAME: BOISE AIR TERMINAL/GOWEN FLD		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (RNP) Z RWY 10R, AMDT 1 18 SEPTEMBER 2014				SUP: AMDT: ORIG-B DATED 11/17/2011		

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
INION	ISEBE (RF) (FB) (RNP 0.40)	(2.45 NM RADIUS CCW (CFCBQ)/2.42	3800
JIMMI (IF)	ELUBE (TF) (FB) (RNP 1.00)	099.95 / 3.66	4500
ELUBE	ISEBE (TF) (FB) (RNP 1.00)	100.00 / 3.00	3800
APISE (IF)	JODIX (TF) (FB) (RNP 1.00)	019.49 / 5.45	4800
EKEME (IF)	BUVXE (TF) (FB) (RNP 1.00)	280.17 / 3.80	6000
BUVXE	JODIX (RF) (FB) (RNP 1.00)	(2.39 NM RADIUS CW (CFFMF)/4.15	4800
JODIX	ISEBE (RF) (FB) (RNP 1.00)	(2.39 NM RADIUS CW (CFFMF)/3.36	3800
ISEBE (FAF)	RW10R (MAP) (TF) (FO)	100.09 / 2.88	
RW10R (MAP)	AYDOK (TF) (FB) (RNP 1.00)	100.13 / 9.56	
AYDOK	CANEK (TF) (FO) (RNP 1.00)	122.10 / 15.22	7300

NOTES, (CONT.):

CHART PLANVIEW NOTE AT JODIX : MAX 210 KIAS.

CHART PLANVIEW NOTE AT KOLKE: (RNP 0.40).

CHART PLANVIEW NOTE AT LIBYY: (RNP 0.40).

CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -14C (7F) OR ABOVE 51C (124F).

CHART PLANVIEW NOTE AT LIBYY, KOLKE, APISE, EKEME: RF REQUIRED.

CHART NOTE: FOR INOPERATIVE ALSF, INCREASE RNP 0.15 ALL CATS VISIBILITY TO RVR 5200 AND RNP 0.30

ALL CATS VISIBILITY TO RVR 5900.

CHART PROFILE NOTE: SEE PLANVIEW FOR MULTIPLE IF LOCATIONS.

CITY AND STATE

BOISE, ID

ELEVATION: 2871

TDZE: 2836

AIRPORT NAME:

BOISE AIR TERMINAL/GOWEN FLD

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:

RNAV (RNP) Z RWY 10R, AMDT 1

18 SEPTEMBER 2014

SUP:

AMDT: ORIG-B

DATED: 11/17/2011

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[illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KBOIK1FH10RZ	AAPISE	010APISEK1PCOE	B	IF				06000	18000		A	FS
SUSAP	KBOIK1FH10RZ	AAPISE	020JODIXK1PCOE		010TF			+	04800	210		A	-FS
SUSAP	KBOIK1FH10RZ	AAPISE	030ISEBEK1PCOE	E	R010RF	0023900195	10010034	+	03800		FFFMF	K1PCA	FS
SUSAP	KBOIK1FH10RZ	AEKEME	010EKEMEK1PCOE	B	IF				07000	18000		A	FS
SUSAP	KBOIK1FH10RZ	AEKEME	020BUVXEK1PCOE		010TF			+	06000	210		A	-FS
SUSAP	KBOIK1FH10RZ	AEKEME	030JODIXK1PCOE		R010RF	0023902802	01950042	+	04800	210	FFFMF	K1PCA	-FS
SUSAP	KBOIK1FH10RZ	AEKEME	040ISEBEK1PCOE	E	R010RF	0023900195	10010034	+	03800		FFFMF	K1PCA	FS
SUSAP	KBOIK1FH10RZ	AJIMMI	010JIMMIK1PCOE	B	IF				05000	18000		A	FS
SUSAP	KBOIK1FH10RZ	AJIMMI	020ELUBEK1PCOE		010TF			+	04500			A	FS
SUSAP	KBOIK1FH10RZ	AJIMMI	030ISEBEK1PCOE	E	010TF			+	03800			A	FS
SUSAP	KBOIK1FH10RZ	AKOLKE	010KOLKEK1PCOE	B	IF				08000	18000		A	FS

QUALITY
2
CHECKED

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SUSAP	KBOIK1FH10RZ	AKOLKE	0200YISIK1PCOE	010TF				06200	210	A-FS
SUSAP	KBOIK1FH10RZ	AKOLKE	030ONEXEK1PCOE	L010RF	0024502803	17670044	+	04700		CFCBQ K1PCA FS
SUSAP	KBOIK1FH10RZ	AKOLKE	040INIONK1PCOE	L041RF	0024501767	15660009	+	04500	210	CFCBQ K1PCA-FS
SUSAP	KBOIK1FH10RZ	AKOLKE	050ISEBEK1PCOEE	L041RF	0024501566	10010024	+	03800		CFCBQ K1PCA FS
SUSAP	KBOIK1FH10RZ	ALIBYY	010LIBYYK1PCOE	B IF				06700	18000	A FS
SUSAP	KBOIK1FH10RZ	ALIBYY	020CAMMLK1PCOE	010TF				05300		A FS
SUSAP	KBOIK1FH10RZ	ALIBYY	030INIONK1PCOE	010TF				04500	210	A-FS
SUSAP	KBOIK1FH10RZ	ALIBYY	040ISEBEK1PCOEE	L041RF	0024501566	10010024	+	03800		CFCBQ K1PCA FS
SUSAP	KBOIK1FH10RZ	H	020ISEBEK1PC1E	F IF				03800	18000	RW10R K1PGA FS
SUSAP	KBOIK1FH10RZ	H	020ISEBEK1PC2W						A031A152	FS
SUSAP	KBOIK1FH10RZ	H	030RW10RK1PGOGY	M 031TF				02882	-300	A FS
SUSAP	KBOIK1FH10RZ	H	040AYDOKK1PCOE	M 010TF						A FS
SUSAP	KBOIK1FH10RZ	H	050CANEEK1EA0EY	010TF				07300		A FS
SUSAP	KBOIK1FH10RZ	H	060CANEEK1EA0EE	L HM	11510070		+	07300		A FS

[illegible][illegible]

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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
	APISE	APISE	010		IF		FB				AT 06000	
	APISE	JODIX	020		TF		FB	1.0			AA 04800	AB 210
	APISE	ISEBE	030		RF	R	FB	1.0		003.4	AA 03800	
	EKEME	EKEME	010		IF		FB				AT 07000	
	EKEME	BUVXE	020		TF		FB	1.0			AA 06000	AB 210
	EKEME	JODIX	030		RF	R	FB	1.0		004.2	AA 04800	AB 210
	EKEME	ISEBE	040		RF	R	FB	1.0		003.4	AA 03800	
	JIMMI	JIMMI	010		IF		FB				AT 05000	
	JIMMI	ELUBE	020		TF		FB	1.0			AA 04500	
	JIMMI	ISEBE	030		TF		FB	1.0			AA 03800	
	KOLKE	KOLKE	010		IF		FB				AT 08000	
	KOLKE	OYISI	020		TF		FB	1.0			AA 06200	AB 210
	KOLKE	ONEXE	030		RF	L	FB	1.0		004.4	AA 04700	
	KOLKE	INION	040		RF	L	FB	0.4		000.9	AA 04500	AB 210
	KOLKE	ISEBE	050		RF	L	FB	0.4		002.4	AA 03800	
	LIBYY	LIBYY	010		IF		FB				AT 06700	
	LIBYY	CAMML	020		TF		FB	1.0			AA 05300	
	LIBYY	INION	030		TF		FB	1.0			AA 04500	AB 210
	LIBYY	ISEBE	040		RF	L	FB	0.4		002.4	AA 03800	
		ISEBE	020	FAF	IF		FB				AA 03800	
		RW10R	030	MAP	TF		FO	0.3			AT 02882	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	AYDOK	040		TF		FB	1.0				
	CANEK	050		TF		FO	1.0			AA 07300	
	CANEK	060		HM	L	FO		115.1 (130.1T)	007.0	AA 07300	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CANEK	N431857.88	W1154828.06	N4318.965	W11548.468
	APISE	N433007.58	W1162629.39	N4330.126	W11626.490
	AYDOK	N433007.83	W1160239.69	N4330.131	W11602.662
	BUVXE	N433105.89	W1162056.02	N4331.098	W11620.934
	CAMML	N434052.42	W1162046.93	N4340.874	W11620.782
	CFCBQ	N433738.60	W1161643.01	N4337.643	W11616.717
	CFPMF	N433315.67	W1161932.37	N4333.261	W11619.540
	EKEME	N432928.96	W1161612.28	N4329.483	W11616.205
	ELUBE	N433641.65	W1162153.32	N4336.694	W11621.889
	INION	N433717.19	W1162003.18	N4337.287	W11620.053
	ISEBE	N433525.50	W1161808.80	N4335.425	W11618.147
	JIMMI	N433814.40	W1162627.45	N4338.240	W11626.458

CITY AND STATE BOISE, ID	ELEVATION: 2871	TDZE: 2836	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME: BOISE AIR TERMINAL/GOWEN FLD		RNAV	RNAV (RNP) Z RWY 10R, AMDT 1	AMDT: ORIG-B
				18 SEPTEMBER 2014	DATED: 11/17/2011

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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JODIX	N433436.97	W1162214.72	N4334.616	W11622.245
KOLKE	N433647.30	W1160617.59	N4336.788	W11606.293
LIBYY	N434646.61	W1162216.06	N4346.777	W11622.268
ONEXE	N433808.22	W1162001.21	N4338.137	W11620.020
OYISI	N433951.65	W1161517.03	N4339.861	W11615.284
RW10R	N433412.12	W1161433.42	N4334.202	W11614.557

RUNWAY DATA

	THRESHOLD	
RWY	ELEVATION	TCH
RW10R	02824	58

CITY AND STATE BOISE, ID	ELEVATION: 2871	TDZE: 2836	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (RNP) Z RWY 10R, AMDT 1 18 SEPTEMBER 2014	SUP:
	AIRPORT NAME: BOISE AIR TERMINAL/GOWEN FLD				AMDT: ORIG-B
					DATED: 11/17/2011

PAGE 1 OF 6 PAGES

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
EKEME (IF)	ELUMY (TF) (FB) (RNP 1.00)	100.09 / 3.80	6000
ELUMY	CIPSA (RF) (FB) (RNP 1.00)	(2.39 NM RADIUS CCW (CFFMS)/4.03	5000
CIPSA	ZOVAM (RF) (FB) (RNP 0.50)	(2.39 NM RADIUS CCW (CFFMS)/2.14	4300
ZOVAM	HOBSI (RF) (FB) (RNP 0.30)	(2.39 NM RADIUS CCW (CFFMS)/1.33	3900
OFTER (IF)	MUFPI (TF) (FB) (RNP 0.50)	280.34 / 4.00	5600
MUFPI	JUBEN (TF) (FB) (RNP 0.50)	280.29 / 2.05	5100
JUBEN	SAKVY (TF) (FB) (RNP 0.50)	280.26 / 1.45	4600
SAKVY	CEPAV (TF) (FB) (RNP 0.50)	280.23 / 1.20	4300
CEPAV	HOBSI (TF) (FB) (RNP 0.50)	275.80 / 1.49	3900
HOBSI (FAF)	RW28L (MAP) (TF) (FO)	280.19 / 3.11	
RW28L (MAP)	JIMMI (TF) (FO) (RNP 1.00)	280.13 / 11.15	6000

NOTES, (CONT.):

CHART PLANVIEW NOTE AT DIKAC (IF) : MAX 210 KIAS.
 CHART PLANVIEW NOTE AT EKEME (IF) : MAX 210 KIAS.
 CHART PLANVIEW NOTE AT CIPSA : MAX 180 KIAS.
 CHART PLANVIEW NOTE ADJACENT TO DIKAC (IF): RF REQUIRED.
 CHART PLANVIEW NOTE ADJACENT TO EKEME (IF): RF REQUIRED.
 CHART PLANVIEW NOTE AT CELOR (IAF): (RNP 0.50).
 CHART PLANVIEW NOTE AT LIITL (IAF): (RNP 0.50).
 CHART PLANVIEW NOTE AT DIKAC (IF): (RNP 0.30).
 CHART PLANVIEW NOTE AT EKEME (IF): (RNP 0.30).
 CHART PROFILE NOTE: SEE PLANVIEW FOR MULTIPLE IF LOCATIONS.

QUALITY
 7
 CHECKED

CITY AND STATE BOISE, ID	ELEVATION: 2871 TDZE: 2858 AIRPORT NAME: BOISE AIR TERMINAL/GOWEN FLD	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (RNP) Z RWY 28L, AMDT 1 18 SEPTEMBER 2014	SUP:
				AMDT: ORIG-B
				DATED: 11/17/2011

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[illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KBOIK1FH28LZ	ACELOR	010CELORK1PCOE	A	1F				+ 08000	18000		A FS	
SUSAP	KBOIK1FH28LZ	ACELOR	020OFTERK1PCOE	B	010TF				+ 06800			A FS	
SUSAP	KBOIK1FH28LZ	ACELOR	030MUFPIK1PCOE		051TF				+ 05600			A FS	
SUSAP	KBOIK1FH28LZ	ACELOR	040JUBENK1PCOE		051TF				+ 05100			A FS	
SUSAP	KBOIK1FH28LZ	ACELOR	050SAKVYK1PCOE		051TF				+ 04600			A FS	
SUSAP	KBOIK1FH28LZ	ACELOR	060CEPAVK1PCOE		051TF				+ 04300			A FS	
SUSAP	KBOIK1FH28LZ	ACELOR	070HOBSIK1PCOE		051TF				+ 03900			A FS	
SUSAP	KBOIK1FH28LZ	ADIKAC	010DIKACK1PCOE	B	1F				06000	18000210		A-FS	
SUSAP	KBOIK1FH28LZ	ADIKAC	020CIPSAK1PCOE		010TF				+ 05000	180		A-FS	
SUSAP	KBOIK1FH28LZ	ADIKAC	030ZOVAMK1PCOE		L051RF	0023900036	31220021		+ 04300		CFFMS K1PCA	FS	
SUSAP	KBOIK1FH28LZ	ADIKAC	040HOBSIK1PCOE		L031RF	0023903122	28020013		+ 03900		CFFMS K1PCA	FS	
SUSAP	KBOIK1FH28LZ	AEKEME	010EKEME K1PCOE	B	1F				07000	18000210		A-FS	
SUSAP	KBOIK1FH28LZ	AEKEME	020ELUMYK1PCOE		010TF				+ 06000			A FS	
SUSAP	KBOIK1FH28LZ	AEKEME	030CIPSAK1PCOE		L010RF	0023901001	00360040		+ 05000	180	CFFMS K1PCA	FS	
SUSAP	KBOIK1FH28LZ	AEKEME	040ZOVAMK1PCOE		L051RF	0023900036	31220021		+ 04300		CFFMS K1PCA	FS	

CITY AND STATE BOISE, ID	ELEVATION: 2871	TDZE: 2858	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (RNP) Z RWY 28L, AMDT 1 18 SEPTEMBER 2014	SUP:
	AIRPORT NAME: BOISE AIR TERMINAL/GOWEN FLD				AMDT: ORIG-B
					DATED: 11/17/2011

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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SUSAP KBOIK1FH28LZ A EKEME 050HOBSIK1PC0EE L031RF	0023903122	28020013	+ 03900		CFFMS K1PCA FS
SUSAP KBOIK1FH28LZ ALIITL 010LIITLK1PC0E A IF			+ 09000	18000	A FS
SUSAP KBOIK1FH28LZ ALIITL 020NEWKUK1PC0E 010TF			+ 08500		A FS
SUSAP KBOIK1FH28LZ ALIITL 030ROKTYK1PC0E 010TF			+ 08000		A FS
SUSAP KBOIK1FH28LZ ALIITL 040OFTERK1PC0E B 010TF			+ 06800		A FS
SUSAP KBOIK1FH28LZ ALIITL 050MUFFPIK1PC0E 051TF			+ 05600		A FS
SUSAP KBOIK1FH28LZ ALIITL 060JUBENK1PC0E 051TF			+ 05100		A FS
SUSAP KBOIK1FH28LZ ALIITL 070SAKVYK1PC0E 051TF			+ 04600		A FS
SUSAP KBOIK1FH28LZ ALIITL 080CEPAVK1PC0E 051TF			+ 04300		A FS
SUSAP KBOIK1FH28LZ ALIITL 090HOBSIK1PC0EE 051TF			+ 03900		A FS
SUSAP KBOIK1FH28LZ H 020HOBSIK1PC1E F IF			+ 03900	18000	RW28L K1PGA FS
SUSAP KBOIK1FH28LZ H 020HOBSIK1PC2W				A031A152	FS
SUSAP KBOIK1FH28LZ H 030RW28LK1PG0GY M 031TF			02908	-300	A FS
SUSAP KBOIK1FH28LZ H 040JIMMIK1PC0EYM 010TF			+ 06000		A FS
SUSAP KBOIK1FH28LZ H 050JIMMIK1PC0EE R HM		10000050	+ 06000		A FS

	1	2	3	4	5	6	7	8	9	0	1	2	3
RUNWAY	12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP KBOIK1GRW28L	0097632802 N43333116W116123339-0300 +0854402858000050150R												

	1	2	3	4	5	6	7	8	9	0	1	2	3
MSA	12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP KBOIK1SRW28LK1PG	0 18018009425 M												

CITY AND STATE BOISE, ID	ELEVATION: 2871 TDZE: 2858	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (RNP) Z RWY 28L, AMDT 1 18 SEPTEMBER 2014	SUP:
	AIRPORT NAME: BOISE AIR TERMINAL/GOWEN FLD			AMDT: ORIG-B
				DATED: 11/17/2011

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
	CELOR	CELOR	010	IAF	IF		FB				AA 08000	
	CELOR	OFTER	020		TF		FB	1.0			AA 06800	
	CELOR	MUPPI	030		TF		FB	0.5			AA 05600	
	CELOR	JUBEN	040		TF		FB	0.5			AA 05100	
	CELOR	SAKVY	050		TF		FB	0.5			AA 04600	
	CELOR	CEPAV	060		TF		FB	0.5			AA 04300	
	CELOR	HOBSI	070		TF		FB	0.5			AA 03900	
	DIKAC	DIKAC	010		IF		FB				AT 06000	AB 210
	DIKAC	CIPSA	020		TF		FB	1.0			AA 05000	AB 180
	DIKAC	ZOVAM	030		RF	L	FB	0.5		002.1	AA 04300	
	DIKAC	HOBSI	040		RF	L	FB	0.3		001.3	AA 03900	
	EKEME	EKEME	010		IF		FB				AT 07000	AB 210
	EKEME	ELUMY	020		TF		FB	1.0			AA 06000	
	EKEME	CIPSA	030		RF	L	FB	1.0		004.0	AA 05000	AB 180
	EKEME	ZOVAM	040		RF	L	FB	0.5		002.1	AA 04300	
	EKEME	HOBSI	050		RF	L	FB	0.3		001.3	AA 03900	
	LIITL	LIITL	010	IAF	IF		FB				AA 09000	
	LIITL	NEWKU	020		TF		FB	1.0			AA 08500	
	LIITL	ROKTY	030		TF		FB	1.0			AA 08000	
	LIITL	OFTER	040		TF		FB	1.0			AA 06800	
	LIITL	MUPPI	050		TF		FB	0.5			AA 05600	
	LIITL	JUBEN	060		TF		FB	0.5			AA 05100	
	LIITL	SAKVY	070		TF		FB	0.5			AA 04600	
	LIITL	CEPAV	080		TF		FB	0.5			AA 04300	
	LIITL	HOBSI	090		TF		FB	0.5			AA 03900	
	HOBSI	HOBSI	020	FAF	IF		FB				AA 03900	
	RW28L	030	MAP		TF		FO	0.3			AT 02908	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	JIMMI	040		TF		FO	1.0			AA 06000	
	JIMMI	050		HM	R	FO		100.0(115.0T)	005.0	AA 06000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CELOR	N432250.14	W1154855.57	N4322.836	W11548.926
	CEPAV	N433139.92	W1160645.89	N4331.665	W11606.765
	CFFMS	N433001.88	W1161004.72	N4330.031	W11610.079
	CIPSA	N432916.18	W1160657.99	N4329.270	W11606.967
	DIKAC	N432544.76	W1160835.61	N4325.746	W11608.594
	EKEME	N432928.96	W1161612.28	N4329.483	W11616.205
	ELUMY	N432752.06	W1161128.43	N4327.868	W11611.474

CITY AND STATE BOISE, ID	ELEVATION: 2871	TDZE: 2858	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (RNP) Z RWY 28L, AMDT 1 18 SEPTEMBER 2014	SUP:
	AIRPORT NAME: BOISE AIR TERMINAL/GOWEN FLD				AMDT: ORIG-B
					DATED: 11/17/2011

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (RNP) STANDARD INSTRUMENT APPROACH PROCEDURE
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HOBSI	N433211.67	W1160840.85	N4332.195	W11608.681
JIMMI	N433814.40	W1162627.45	N4338.240	W11626.458
JUBEN	N433032.12	W1160328.22	N4330.535	W11603.470
LIITL	N432700.16	W1154044.24	N4327.003	W11540.737
MUFFI	N432939.60	W1160055.40	N4329.660	W11600.923
NEWKU	N432718.86	W1154500.44	N4327.314	W11545.007
OFTER	N432756.96	W1155557.42	N4327.949	W11555.957
ROKTY	N432738.04	W1155028.90	N4327.634	W11550.482
SAKVY	N433109.23	W1160516.36	N4331.154	W11605.273
ZOVAM	N433119.59	W1160719.09	N4331.327	W11607.318
RW28L	N433331.16	W1161233.39	N4333.519	W11612.557

RUNWAY DATA

RWY	THRESHOLD ELEVATION	TCH
RW28L	02858	50

CITY AND STATE BOISE, ID	ELEVATION: 2871	TDZE: 2858	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (RNP) Z RWY 28L, AMDT 1 18 SEPTEMBER 2014	SUP:
	AIRPORT NAME: BOISE AIR TERMINAL/GOWEN FLD				AMDT: ORIG-B
					DATED: 11/17/2011

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							
CELOR (IAF)		OFTER (TF) (FB) (RNP 1.00)		299.98 / 7.24				6800		CLIMB TO 6000 ON TRACK 280.15 TO ATTOL AND HOLD. ADDITIONAL FLIGHT DATA: HOLD W, RT, 099.97 INBOUND. ROUTE TYPE: A, H ROUTE TYPE QUALIFIER 1: F ROUTE TYPE QUALIFIER 2: S DISTANCE TO THLD FROM 417 HAT: 1.13 NM. CHART MANDATORY 6000 AT DIKAC. CHART MANDATORY 7000 AT EKEME. #TCH 2926.7 MSL (DO NOT CHART) CHART MINIMUM 8000 AT CELOR. CHART MINIMUM 9000 AT LIITL.							
LIITL (IAF)		NEWKU (TF) (FB) (RNP 1.00)		260.75 / 3.13				8500									
NEWKU		ROKTY (TF) (FB) (RNP 1.00)		259.61 / 4.00				8000									
ROKTY		OFTER (TF) (FB) (RNP 1.00)		259.55 / 4.00				6800									
DIKAC (IF)		HEGUT (TF) (FB) (RNP 1.00)		006.52 / 3.66				5000									
(SEE FORM 8260-10)																	
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)														MAG VAR: 15E EPOCH YEAR: 2005			
2. PROFILE STARTS AT HAPNU																	
3. FAC: 280.20 FAF: _____ DIST FAF TO MAP: _____ THLD: _____																	
4. MIN. ALT: HAPNU 3900																	
5. DIST TO THLD FROM OM: 3.06 MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____																	
6. MIN GS INCPT: 3900 GS ALT AT: HAPNU 3900 OM: _____ MM: _____ IM: _____																	
7. GS ANGLE: 3.00 TCH: 55.3# 34:1 IS CLEAR																	
8. MSA FROM: RW28R 9400																	
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 0.15 DA	3288	1 3/8	417	3288	1 3/8	417	3288	1 3/8	417	3288	1 3/8	417					
RNP 0.30 DA	3344	1 5/8	473	3344	1 5/8	473	3344	1 5/8	473	3344	1 5/8	473					
NOTES:																	
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -14C (7F) OR ABOVE 52C (126F).																	
CHART NOTE: GPS REQUIRED.																	
CHART PLANVIEW NOTE AT DIKAC (IF) : MAX 210 KIAS.																	
CHART PLANVIEW NOTE AT EKEME (IF): MAX 210 KIAS.																	
(SEE FORM 8260-10)																	
CITY AND STATE				ELEVATION: 2871 TDZE: 2871				FACILITY IDENTIFIER: RNAV				PROCEDURE NO./AMD'T NO./EFFECTIVE DATE:				SUP:	
BOISE, ID				AIRPORT NAME:								RNAV (RNP) Z RWY 28R, AMDT 1				AMDT: ORIG-B	
				BOISE AIR TERMINAL/GOWEN FLD								18 SEPTEMBER 2014				DATED 11/17/2011	

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
EKEME (IF)	WIKIS (TF) (FB) (RNP 1.00)	100.19 / 3.90	6300
WIKIS	HEGUT (RF) (FB) (RNP 1.00)	(2.47 NM RADIUS CCW (CFFMR)/4.05	5000
HEGUT	FEGNI (RF) (FB) (RNP 0.50)	(2.45 NM RADIUS CCW (CFFMQ)/2.20	4300
FEGNI	HAPNU (RF) (FB) (RNP 0.30)	(2.31 NM RADIUS CCW (CFFNX)/1.41	3900
OFTER (IF)	MUFPI (TF) (FB) (RNP 0.50)	280.34 / 4.00	5600
MUFPI	JUBEN (TF) (FB) (RNP 0.50)	280.29 / 2.05	5100
JUBEN	SAKVY (TF) (FB) (RNP 0.50)	280.26 / 1.45	4600
SAKVY	CEPAV (TF) (FB) (RNP 0.50)	280.23 / 1.20	4300
CEPAV	HAPNU (TF) (FB) (RNP 0.50)	280.22 / 1.29	3900
HAPNU (FAF)	RW28R (MAP) (TF) (FO)	280.20 / 3.06	
RW28R (MAP)	ATTOL (TF) (FO) (RNP 1.00)	280.15 / 12.85	6000

NOTES, (CONT.):

CHART PLANVIEW NOTE AT HEGUT: MAX 190 KIAS.
 CHART PLANVIEW NOTE ADJACENT TO DIKAC (IF): RF REQUIRED.
 CHART PLANVIEW NOTE ADJACENT TO EKEME (IF): RF REQUIRED.
 CHART PLANVIEW NOTE AT CELOR (IAF): (RNP 0.50).
 CHART PLANVIEW NOTE AT LIITL (IAF): (RNP 0.50).
 CHART PLANVIEW NOTE AT DIKAC (IF): (RNP 0.30).
 CHART PLANVIEW NOTE AT EKEME (IF): (RNP 0.30).
 CHART PROFILE NOTE: SEE PLANVIEW FOR MULTIPLE IF LOCATIONS.

7
CHECKED

CITY AND STATE

BOISE, ID

ELEVATION: 2871

TDZE: 2871

AIRPORT NAME:

BOISE AIR TERMINAL/GOWEN FLD

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (RNP) Z RWY 28R, AMDT 1

18 SEPTEMBER 2014

SUP:

AMDT: ORIG-B

DATED: 11/17/2011

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[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KBOIK1FH28RZ	ACELOR	010CELORK1PCOE	A	IF				+ 08000	18000		A FS	
SUSAP	KBOIK1FH28RZ	ACELOR	020OFTERK1PCOE	B	010TF				+ 06800			A FS	
SUSAP	KBOIK1FH28RZ	ACELOR	030MUFPIK1PCOE		051TF				+ 05100			A FS	
SUSAP	KBOIK1FH28RZ	ACELOR	040JUBENK1PCOE		051TF				+ 05100			A FS	
SUSAP	KBOIK1FH28RZ	ACELOR	050SAKVYK1PCOE		051TF				+ 04600			A FS	
SUSAP	KBOIK1FH28RZ	ACELOR	060CEPAVK1PCOE		051TF				+ 04300			A FS	
SUSAP	KBOIK1FH28RZ	ACELOR	070HAPNUK1PCOE	E	051TF				+ 03900			A FS	
SUSAP	KBOIK1FH28RZ	ADIKAC	010DIKACK1PCOE	B	IF				06000	18000210		A-FS	
SUSAP	KBOIK1FH28RZ	ADIKAC	020HEGUTK1PCOE		010TF				+ 05000	190		A-FS	
SUSAP	KBOIK1FH28RZ	ADIKAC	030PEGNIK1PCOE		L051RF	0024500065	31520022		+ 04300		CFFMQ	K1PCA	FS
SUSAP	KBOIK1FH28RZ	ADIKAC	040HAPNUK1PCOE	E	L031RF	0023103152	28020014		+ 03900		CFFNX	K1PCA	FS
SUSAP	KBOIK1FH28RZ	AEKEME	010EKEMEK1PCOE	B	IF				07000	18000210		A-FS	
SUSAP	KBOIK1FH28RZ	AEKEME	020WIKISK1PCOE		010TF				+ 06300			A FS	

CITY AND STATE BOISE, ID	ELEVATION: 2871	TDZE: 2871	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (RNP) Z RWY 28R, AMDT 1 18 SEPTEMBER 2014	SUP:
	AIRPORT NAME: BOISE AIR TERMINAL/GOWEN FLD				AMDT: ORIG-B
					DATED: 11/17/2011

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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SUSAP KBOIK1FH28RZ AEKEME	030HEGUTK1PC0E	L010RF	0024701002	00650041	+ 05000	190	CFFMR K1PCA-FS
SUSAP KBOIK1FH28RZ AEKEME	040FEGNIK1PC0E	L051RF	0024500065	31520022	+ 04300		CFFMQ K1PCA FS
SUSAP KBOIK1FH28RZ AEKEME	050HAPNUK1PC0EE	L031RF	0023103152	28020014	+ 03900		CFFNX K1PCA FS
SUSAP KBOIK1FH28RZ ALIITL	010LIITLK1PC0E	A IF			+ 09000	18000	A FS
SUSAP KBOIK1FH28RZ ALIITL	020NEWKUK1PC0E	010TF			+ 08500		A FS
SUSAP KBOIK1FH28RZ ALIITL	030ROKTYK1PC0E	010TF			+ 08000		A FS
SUSAP KBOIK1FH28RZ ALIITL	040OFTERK1PC0E	B 010TF			+ 06800		A FS
SUSAP KBOIK1FH28RZ ALIITL	050MUFPIK1PC0E	051TF			+ 05600		A FS
SUSAP KBOIK1FH28RZ ALIITL	060JUBENK1PC0E	051TF			+ 05100		A FS
SUSAP KBOIK1FH28RZ ALIITL	070SAKVYK1PC0E	051TF			+ 04600		A FS
SUSAP KBOIK1FH28RZ ALIITL	080CEPAVK1PC0E	051TF			+ 04300		A FS
SUSAP KBOIK1FH28RZ ALIITL	090HAPNUK1PC0EE	051TF			+ 03900		A FS
SUSAP KBOIK1FH28RZ H	020HAPNUK1PC1E	F IF			+ 03900	18000	RW28R K1PGA FS
SUSAP KBOIK1FH28RZ H	020HAPNUK1PC2W					A031A152	FS
SUSAP KBOIK1FH28RZ H	030RW28RK1PG0GY	M 031TF			02927	-300	A FS
SUSAP KBOIK1FH28RZ H	040ATTOLK1PC0EYM	010TF			+ 06000		A FS
SUSAP KBOIK1FH28RZ H	050ATTOLK1PC0EE	R HM		10000050	+ 06000		A FS

	1	2	3	4	5	6	7	8	9	0	1	2	3
RUNWAY	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP KBOIK1GRW28R	0100002802	N43333080W	116120995-0400										

	1	2	3	4	5	6	7	8	9	0	1	2	3
MSA	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP KBOIK1SRW28RK1PG				0	18018009425								M

CITY AND STATE BOISE, ID	ELEVATION: 2871	TDZE: 2871	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (RNP) Z RWY 28R, AMDT 1 18 SEPTEMBER 2014	SUP:
	AIRPORT NAME: BOISE AIR TERMINAL/GOWEN FLD				AMDT: ORIG-B
					DATED: 11/17/2011

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
	CELOR	CELOR	010	IAF	IF		FB				AA 08000	
	CELOR	OFTER	020		TF		FB	1.0			AA 06800	
	CELOR	MUPPI	030		TF		FB	0.5			AA 05600	
	CELOR	JUBEN	040		TF		FB	0.5			AA 05100	
	CELOR	SAKVY	050		TF		FB	0.5			AA 04600	
	CELOR	CEPAV	060		TF		FB	0.5			AA 04300	
	CELOR	HAPNU	070		TF		FB	0.5			AA 03900	
	DIKAC	DIKAC	010		IF		FB				AT 06000	AB 210
	DIKAC	HEGUT	020		TF		FB	1.0			AA 05000	AB 190
	DIKAC	FEGNI	030		RF	L	FB	0.5		002.2	AA 04300	
	DIKAC	HAPNU	040		RF	L	FB	0.3		001.4	AA 03900	
	EKEME	EKEME	010		IF		FB				AT 07000	AB 210
	EKEME	WIKIS	020		TF		FB	1.0			AA 06300	
	EKEME	HEGUT	030		RF	L	FB	1.0		004.1	AA 05000	AB 190
	EKEME	FEGNI	040		RF	L	FB	0.5		002.2	AA 04300	
	EKEME	HAPNU	050		RF	L	FB	0.3		001.4	AA 03900	
	LIITL	LIITL	010	IAF	IF		FB				AA 09000	
	LIITL	NEWKU	020		TF		FB	1.0			AA 08500	
	LIITL	ROKTY	030		TF		FB	1.0			AA 08000	
	LIITL	OFTER	040		TF		FB	1.0			AA 06800	
	LIITL	MUPPI	050		TF		FB	0.5			AA 05600	
	LIITL	JUBEN	060		TF		FB	0.5			AA 05100	
	LIITL	SAKVY	070		TF		FB	0.5			AA 04600	
	LIITL	CEPAV	080		TF		FB	0.5			AA 04300	
	LIITL	HAPNU	090		TF		FB	0.5			AA 03900	
	HAPNU	HAPNU	020	FAF	IF		FB				AA 03900	
	RW28R	030	MAP		TF		FO	0.3			AT 02927	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	ATTOL	040		TF		FO	1.0			AA 06000	
	ATTOL	050		HM	R	FO		100.0 (115.0T)	005.0	AA 06000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	ATTOL	N433857.31	W1162810.86	N4338.955	W11628.181
	CELOR	N432250.14	W1154855.57	N4322.836	W11548.926
	CEPAV	N433139.92	W1160645.89	N4331.665	W11606.765
	CFFMQ	N433003.02	W1160953.10	N4330.050	W11609.885
	CFFMR	N433003.44	W1160954.55	N4330.057	W11609.909
	CFFNX	N433007.27	W1160942.93	N4330.121	W11609.716
	DIKAC	N432544.76	W1160835.61	N4325.746	W11608.594

CITY AND STATE BOISE, ID	ELEVATION: 2871	TDZE: 2871	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME: BOISE AIR TERMINAL/GOWEN FLD		RNAV	RNAV (RNP) Z RWY 28R, AMDT 1	AMDT: ORIG-B
				18 SEPTEMBER 2014	DATED: 11/17/2011

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.

EKEME	N432928.96	W1161612.28	N4329.483	W11616.205
FEGNI	N433116.19	W1160657.55	N4331.270	W11606.959
HAPNU	N433212.76	W1160821.79	N4332.213	W11608.363
HEGUT	N432908.99	W1160644.98	N4329.150	W11606.750
JUBEN	N433032.12	W1160328.22	N4330.535	W11603.470
LIITL	N432700.16	W1154044.24	N4327.003	W11540.737
MUFPI	N432939.60	W1160055.40	N4329.660	W11600.923
NEWKU	N432718.86	W1154500.44	N4327.314	W11545.007
OFTER	N432756.96	W1155557.42	N4327.949	W11555.957
ROKTY	N432738.04	W1155028.90	N4327.634	W11550.482
SAKVY	N433109.23	W1160516.36	N4331.154	W11605.273
WIKIS	N432749.24	W1161121.46	N4327.821	W11611.358
RW28R	N433330.80	W1161209.95	N4333.513	W11612.166

RUNWAY DATA

RWY	THRESHOLD ELEVATION	TCH
RW28R	02871	55

CITY AND STATE BOISE, ID	ELEVATION: 2871	TDZE: 2871	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (RNP) Z RWY 28R, AMDT 1 18 SEPTEMBER 2014	SUP:
	AIRPORT NAME: BOISE AIR TERMINAL/GOWEN FLD				AMDT: ORIG-B
					DATED: 11/17/2011

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: RW27L						
VOGLR (IAF)		NRMAH (FB)		280.58 / 17.29				9000		CLIMB TO 4000 DIRECT WASCO AND HOLD.						
NRMAH		JOEBO (FB)		273.39 / 3.14				8000								
JOEBO		GRABL (FB)		273.35 / 3.14				7000								
GRABL		RIPPR (FB)		273.30 / 3.14				6000								
RIPPR		BASHH (FB)		273.25 / 3.14				5000								
BASHH (IF)		EBENS (FB)		273.21 / 3.14				4000		ADDITIONAL FLIGHT DATA: HOLD W, RT, 093.00 INBOUND. CHART FAS OBST: 817 BLDG 415937N/0875142W FAS OBST: 859 AAO 415921N/0874838W DISTANCE TO THLD FROM 200 HAT: 0.47 NM. CHART VDP AT 1.26 MILES TO RW27L* *LNAV ONLY. WAAS CHANNEL # 77804 REFERENCE PATH ID: W27A LTP HAE: 164.5 M						
EBENS		TAFFS (FB)		273.16 / 5.88				2200								
(SEE FORM 8260-10)																
1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)										MAG VAR: 3W EPOCH YEAR: 2010						
2. PROFILE STARTS AT NRMAH																
3. FAC: 273.07 FAF: TAFFS DIST FAF TO MAP: 4.71 THLD: 4.71																
4. MIN. ALT: NRMAH 9000, JOEBO 8000, GRABL 7000, RIPPR 6000, BASHH 5000, EBENS 4000, TAFFS 2200																
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____																
6. MIN GS INCPT: 2200 GS ALT AT: TAFFS 2200 OM: ____ MM: ____ IM: ____																
7. GS ANGLE: 3.00 TCH: 51.5 34:1 IS CLEAR																
8. MSA FROM: RW27L 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	
LPV DA	854	2400	200	854	2400	200	854	2400	200	854	2400	200				
LNAV/VNAV DA	1127	6000	473	1127	6000	473	1127	6000	473	1127	6000	473				
LNAV MDA	1120	2400	466	1120	2400	466	1120	5000	466	1120	5000	466				
CIRCLING	1220	1	548	1220	1	548	1220	1 1/2	548	1460	2 1/2	788				
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -21C (-5F) OR ABOVE 54C @ CAT D 800-2 1/2 (130F). CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED WITH RWY 27R AND RWY 28C/R. CHART NOTE: DME/DME RNP-0.3 NA. (SEE FORM 8260-10)																
CITY AND STATE CHICAGO, IL		ELEVATION: 672 TDZE: 654 AIRPORT NAME: CHICAGO O'HARE INTL				FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) Z RWY 27L, AMDT 3C 18 SEPTEMBER 2014				SUP: RNAV (GPS) RWY 27L AMDT: 3B DATED 05/29/2014				

**RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33**

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TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
TAFS (<i>FAF</i>)	RW27L (MAP) (FO)	273.07 / 4.71	
RW27L (MAP)	854 MSL	273.07	
854 MSL	WASCO (FO)		4000

NOTES, (CONT.):

CHART PLANVIEW NOTE: RADAR REQUIRED.

CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.

CHART NOTE: LNAV PROCEDURE NA DURING SIMULTANEOUS OPERATIONS.

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

CHART NOTE: FOR INOPERATIVE ALSF-2, INCREASE LNAV CAT C/D VISIBILITY TO 1 3/8.



CITY AND STATE

CHICAGO, IL

ELEVATION: 672

TDZE: 654

AIRPORT NAME:

CHICAGO O'HARE INTL

 FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:

RNAV (GPS) Z RWY 27L, AMDT 3C

18 SEPTEMBER 2014

SUP: RNAV (GPS) RWY 27L

AMDT: 3B

DATED: 05/29/2014

**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	KORD
RUNWAY	RW27L
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	Z
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W27A
LTP/FTP LATITUDE	415902.0405N
LTP/FTP LONGITUDE	0875320.5830W
LTP/FTP ELLIPSOIDAL HEIGHT	+01645
FPAP LATITUDE	415902.0200N
FPAP LONGITUDE	0875520.0500W
THRESHOLD CROSSING HEIGHT (TCH)	00051.5
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0320
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0

CRC REMAINDER

EDE4CD05

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+01982
FPAP ORTHOMETRIC HEIGHT	+01982

QUALITY
4
CHECKED

CITY AND STATE

CHICAGO, IL

ELEVATION: 672

TDZE: 654

AIRPORT NAME:

CHICAGO O'HARE INTL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) Z RWY 27L, AMDT 3C

18 SEPTEMBER 2014

SUP: RNAV (GPS) RWY
27L

AMDT: 3B

DATED: 05/29/2014

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]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KORDK5FR27LZ	AVOGLR	010VOGLRK5EA0E	A	IF					18000		A	JS
SUSAP	KORDK5FR27LZ	AVOGLR	020NRMAHK5EA0E		010TF		28060173	+	09000			A	JS
SUSAP	KORDK5FR27LZ	AVOGLR	030JOEBOK5EA0E		010TF		27340031	+	08000			A	JS
SUSAP	KORDK5FR27LZ	AVOGLR	040GRABLK5EA0E		010TF		27340031	+	07000			A	JS
SUSAP	KORDK5FR27LZ	AVOGLR	050RIPPRK5EA0E		010TF		27330031	+	06000			A	JS
SUSAP	KORDK5FR27LZ	AVOGLR	060BASHHK5EA0EE	B	010TF		27330031	+	05000			A	JS
SUSAP	KORDK5FR27LZ	R	010BASHHK5EA0E	I	IF			+	05000	18000		A	JS
SUSAP	KORDK5FR27LZ	R	011EBENSK5EA0E	S	051TF		27320031	+	04000			A	JS
SUSAP	KORDK5FR27LZ	R	020TAFFSK5EA1E	F	051TF		27320059	+	02200		RW27L K5PGA	JS	
SUSAP	KORDK5FR27LZ	R	020TAFFSK5EA2WALPV			ALNAV/VNAV	ALNAV					JS	
SUSAP	KORDK5FR27LZ	R	030RW27LK5PG0GY	M	031TF		27310047		00702	-300		A	JS
SUSAP	KORDK5FR27LZ	R	040		0 M	CA	2731	+	00854			A	JS
SUSAP	KORDK5FR27LZ	R	050WASCOK5EA0EY		DF			+	04000			A	JS
SUSAP	KORDK5FR27LZ	R	060WASCOK5EA0EE	R	HM		09300040	+	04000			A	JS

[illegible]

CITY AND STATE CHICAGO, IL	ELEVATION: 672 TDZE: 654 AIRPORT NAME: CHICAGO O'HARE INTL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) Z RWY 27L, AMDT 3C 18 SEPTEMBER 2014	SUP: RNAV (GPS) RWY 27L
				AMDT: 3B
				DATED: 05/29/2014

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]

QUALITY
4
CHECKED

CITY AND STATE CHICAGO, IL	ELEVATION: 672 AIRPORT NAME: CHICAGO O'HARE INTL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) Z RWY 27L, AMDT 3C 18 SEPTEMBER 2014	SUP: RNAV (GPS) RWY 27L
				AMDT: 3B
				DATED: 05/29/2014

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
	VOGLR	VOGLR	010	IAF	IF		FB					
	VOGLR	NRMAH	020		TF		FB	1.0	280.6 (277.6T)	017.3	AA 09000	
	VOGLR	JOEBO	030		TF		FB	1.0	273.4 (270.4T)	003.1	AA 08000	
	VOGLR	GRABL	040		TF		FB	1.0	273.4 (270.4T)	003.1	AA 07000	
	VOGLR	RIPPR	050		TF		FB	1.0	273.3 (270.3T)	003.1	AA 06000	
	VOGLR	BASHH	060		TF		FB	1.0	273.3 (270.3T)	003.1	AA 05000	
		BASHH	010	FACF	IF		FB				AA 05000	
		EBENS	011	SDF	TF		FB	0.5	273.2 (270.2T)	003.1	AA 04000	
		TAFFS	020	FAF	TF		FB	0.5	273.2 (270.2T)	005.9	AA 02200	
		RW27L	030	MAP	TF		FO	0.3	273.1 (270.1T)	004.7	AT 00702	
MISSED APPROACH		FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
			040		CA		FB		273.1 (270.1T)		AA 00854	
		WASCO	050		DF		FO				AA 04000	
		WASCO	060		HM	R	FO		093.0 (090.0T)	004.0	AA 04000	
POINT DATA		WAYPOINT	LAT IN SECS		LONG IN SECS		LAT IN MINS		LONG IN MINS			
		BASHH	N415900.56		W0873456.08		N4159.009		W08734.935			
		EBENS	N415901.16		W0873908.62		N4159.019		W08739.144			
		GRABL	N415858.90		W0872631.05		N4158.982		W08726.518			
		JOEBO	N415857.83		W0872218.56		N4158.964		W08722.309			
		NRMAH	N415856.62		W0871806.08		N4158.944		W08718.101			
		RIPPR	N415859.80		W0873043.56		N4158.997		W08730.726			
		TAFFS	N415901.87		W0874702.01		N4159.031		W08747.034			
		VOGLR	N415642.00		W0865507.00		N4156.700		W08655.117			
		WASCO	N415858.39		W0882217.60		N4158.973		W08822.293			
		RW27L	N415902.04		W0875320.58		N4159.034		W08753.343			
RUNWAY DATA		RWY	THRESHOLD ELEVATION		TCH							
		RW27L	00650		52							



CITY AND STATE CHICAGO, IL	ELEVATION: 672	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) Z RWY 27L, AMDT 3C 18 SEPTEMBER 2014	SUP: RNAV (GPS) RWY 27L
	AIRPORT NAME: CHICAGO O'HARE INTL			AMDT: 3B
	DATED: 05/29/2014			

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.								
U.S. Department of Transportation Federal Aviation Administration												
TERMINAL ROUTES				MISSED APPROACH								
FROM	TO	COURSE AND DISTANCE	ALTITUDE	RNP: DA								
VOGLR (IAF) (40E) (43A) NRMAH (40E) JOEBO (40E) GRABL (40E) RIPPR (40E) BASHH (IF) (40E) (43B) EBENS (40E) TAFFS (FAF) (40E) (43F) (SEE FORM 8260-10)	NRMAH (TF) (FB) (RNP 0.30) (40E)	280.58 / 17.29	9000	CLIMB TO 4000 ON TRACK 273.00 TO WASCO AND HOLD								
	JOEBO (TF) (FB) (RNP 0.30) (40E)	273.39 / 3.14	8000									
	GRABL (TF) (FB) (RNP 0.30) (40E)	273.35 / 3.14	7000									
	RIPPR (TF) (FB) (RNP 0.30) (40E)	273.30 / 3.14	6000									
	BASHH (TF) (FB) (RNP 0.30) (40E)(43B)	273.25 / 3.14	5000									
		EBENS (TF) (FB) (RNP 0.30) (40E)	273.21 / 3.14	4000	ADDITIONAL FLIGHT DATA: HOLD W, RT, 093.00 INBOUND. CHART FAS OBST: 817 BLDG, 415937N/0875142W. DIST TO THLD FROM 330 HAT: 0.88 NM.							
		TAFFS (TF) (FB) (RNP 0.30) (40E) (43F)	273.16 / 5.88	2200								
		RW27L (TF) (FO) (40G) (41Y) (43M)	273.07 / 4.71									
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. PROFILE STARTS AT NRMAH 3. FAC: <u>273.07</u> FAF: _____ DIST FAF TO MAP: _____ THLD: _____ 4. MIN. ALT: NRMAH 9000, JOEBO 8000, GRABL 7000, RIPPR 6000, BASHH 5000, EBENS 4000, TAFFS 2200 5. DIST TO THLD FROM OM: <u>4.71</u> MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: <u>2200</u> GS ALT AT: _____ OM: _____ MM: _____ IM: _____ 7. GS ANGLE: <u>3.00</u> TCH: <u>#51.5 34:1 IS CLEAR</u> 8. MSA FROM: RW27L 3400				#TCH 701.5 MSL (DO NOT CHART) ROUTE TYPE: A,H ROUTE TYPE QUALIFIER 1: F ROUTE TYPE QUALIFIER 2: S 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
AUTHORIZATION REQUIRED												
RNP 0.15 DA	988	3200	330	988	3200	330	988	3200	330	988	3200	330
RNP 0.30 DA	1164	6000	511	1164	6000	511	1164	6000	511	1164	6000	511
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -21C (-5F) OR ABOVE 54C (130F). CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED WITH RWY 27R AND RWY 28C/R. CHART NOTE: USE OF FD OR AP PROVIDING RNAV TRACK GUIDANCE REQUIRED DURING SIMULTANEOUS OPERATIONS. CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT												
CITY AND STATE		ELEVATION: 672 TDZE: 654		FACILITY IDENTIFIER:		PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:				SUP:		
CHICAGO, IL		AIRPORT NAME:		RNAV		RNAV (RNP) Y RWY 27L, ORIG 18 SEPTEMBER 2014				AMDT: NONE		
		CHICAGO O'HARE INTL								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										MISSSED APPROACH									
FROM		TO		COURSE AND DISTANCE				ALTITUDE		MAP: 4.51 MILES AFTER XW NDB									
FLM VOR/DME		XW NDB		102.09 / 31.54				4000		CLIMB TO 2000 THEN CLIMBING LEFT TURN TO 3000 DIRECT XW NDB AND HOLD.									
YRK VORTAC		XW NDB		267.55 / 31.73				4000											
										ADDITIONAL FLIGHT DATA: HOLD E, RT, 252.20 INBOUND. FAS OBST: 1119 AAO 383346N/0834006W OBST: 1159 AAO 383435N/0833942W XW NDB TO RW25: 3.03/40. CHART CIRCLING ICON. CHART (CFBNZ) AT 383644.08N/0833145.47W									
1. PT <u> L </u> SIDE OF COURSE <u> 072.20 </u> OUTBOUND <u> 3000 </u> FT WITHIN <u> 10 </u> MILES OF <u> XW NDB </u> (IAF) 2. _____ 3. FAC <u> 252.20 </u> FAF <u> XW NDB </u> DIST FAF TO MAP <u> 4.51 </u> THLD <u> 4.51 </u> 4. MIN. ALT <u> XW NDB 2400 </u> 8. MSA FROM: <u> XW NDB 3000 </u>										MAG VAR: 5W EPOCH YEAR: 2000									
MINIMUMS																			
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT										ALTERNATE: N A X									
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-LOC 25	1380	1	467	1380	1	467	1380	1 3/8	467	1380	1 3/8	467							
CIRCLING	1380	1	467	1380	1	467	1440	1 1/2	527	1500	2	587							
NOTES: CHART NOTE: ADF REQUIRED. CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT. WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE LEXINGTON ALTIMETER SETTING AND INCREASE ALL MDA 140FT; INCREASE S-LOC 25 CATS C & D VISIBILITY 3/8 MILE, INCREASE CIRCLING CATS C & D VISIBILITY 1/4 MILE.																			
CITY AND STATE FLEMINGSBURG, KY				ELEVATION: 913 TDZE: 913 AIRPORT NAME: FLEMING-MASON				FACILITY IDENTIFIER: I-XWI		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: LOC/NDB RWY 25, AMDT 1 18 SEPTEMBER 2014				SUP LOC RWY 25 AMDT ORIG-C DATE 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.

ARINC PACKET - 424-18 - LOC

[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KFGXK5FL25	AFLM	010FLM	KSD 0V	IF					18000		0	NS
SUSAP	KFGXK5FL25	AFLM	020XW	K5PNON	TF				+ 04000			0	NS
SUSAP	KFGXK5FL25	AFLM	030XW	K5PNONE AR	PI YRK K5	2676031702720100D			+ 03000			0	NS
SUSAP	KFGXK5FL25	AYRK	010YRK	KSD 0V	IF					18000		0	NS
SUSAP	KFGXK5FL25	AYRK	020XW	K5PNON	TF				+ 04000			0	NS
SUSAP	KFGXK5FL25	AYRK	030XW	K5PNONE AR	PI YRK K5	2676031702720100D			+ 03000			0	NS
SUSAP	KFGXK5FL25	L	010CFBNZK5PC0E	I	IF IXWIK5	07220114	PI		+ 03000	18000		0	NS
SUSAP	KFGXK5FL25	L	020XW	K5PNON F	CF IXWIK5	0722005425200060PI			+ 02400		XW	K5PN0	NS
SUSAP	KFGXK5FL25	L	030RW25	K5PG0GY M	CF IXWIK5	0722000925200045PI			00950		-303		NS
SUSAP	KFGXK5FL25	L	040	0 M	CA	2522			+ 02000			0	NS
SUSAP	KFGXK5FL25	L	050XW	K5PNONY L	DF				+ 03000			0	NS
SUSAP	KFGXK5FL25	L	060XW	K5PNONE R	HM	2522T010			+ 03000			0	NS

[illegible][illegible][illegible]

DATED: 08/22/2013

FLIGHT STANDARDS SERVICES - FAR PART 97.25

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0 18018003025

M

[illegible]

K5004000H MW N38342492W083384930

W0050

NARFLMNG

SUP:	LOC RWY 25
AMDT:	ORIG-C
DATED:	08/22/2013

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
FLM		FLM	010		IF		FB					
FLM		XW	020		TF		FB				AA 04000	
FLM		XW	030	IAF	PI	R	FB		027.2 ()	010.0	AA 03000	
YRK		YRK	010		IF		FB					
YRK		XW	020		TF		FB				AA 04000	
YRK		XW	030	IAF	PI	R	FB		027.2 ()	010.0	AA 03000	
		CFBNZ	010	FACF	IF		FB				AA 03000	
		XW	020	FAF	CF		FB		252.0 ()	006.0	AA 02400	
		RW25	030	MAP	CF		FO		252.0 ()	004.5	AT 00950	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		252.2 ()		AA 02000	
	XW	050		DF	L	FO				AA 03000	
	XW	060		HM	R	FO		252.2 ()	T01.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	FLM	N383858.16	W0841838.27	N3838.969	W08418.638
	YRK	N383838.88	W0825842.02	N3838.648	W08258.700
	CFBNZ	N383644.08	W0833145.47	N3836.735	W08331.758
	RW25	N383240.12	W0834407.14	N3832.669	W08344.119
	IXWI (LOC)	N383219.80	W0834508.67	N3832.330	W08345.145
	XW	N383424.92	W0833849.30	N3834.415	W08338.822

RUNWAY DATA	THRESHOLD	ELEVATION	TCH
RWY			
RW25	00910		40

CITY AND STATE
FLEMINGSBURG, KYELEVATION: 913 TDZE: 913
AIRPORT NAME:
FLEMING-MASONFACILITY
IDENTIFIER:
I-XWIPROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
LOC/NDB RWY 25, AMDT 1
18 SEPTEMBER 2014SUP: LOC RWY 25
AMDT: ORIG-C
DATED: 08/22/2013

**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																
CEGUV (IF/IAF)			HALRU (FB)			077.21 / 6.50			1700		LP: RW08 LNAV: RW08														
HALRU (FAF)			WEBAK/2.10 NM TO RW08 (FB)			077.27 / 3.03					CLIMB TO 400 THEN CLIMBING LEFT TURN TO 3000 DIRECT CEGUV AND HOLD.														
WEBAK/2.10 NM TO RW08			RW08 (MAP) (FO)			077.27 / 2.10																			
RW08 (MAP)			400 MSL			077.27			400																
400 MSL			CEGUV (FO)						3000		ADDITIONAL FLIGHT DATA: CHART FAS OBST: 124 TREE (OBS-1663) 301437N/0924328W CHART FAS OBST: 91 TREE (K3R7T006) 301414N/0924216W WAAS CHANNEL # 90436 REFERENCE PATH ID: W08A HALRU TO RW08: 3.00/50. CHART CIRCLING ICON. LTP HAE: -22.5 M														
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. HOLD W CEGUV, RT, 077.21 INBOUND, 3000 FT. IN LIEU OF PT (IAF) 3. FAC: <u>077.27</u> FAF: <u>HALRU</u> DIST FAF TO MAP: <u>5.13</u> THLD: <u>5.13</u> 4. MIN. ALT: <u>CEGUV 3000, HALRU 1700, WEBAK/2.10 NM TO RW08 720</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: 34:1 IS NOT CLEAR 8. MSA FROM: <u> </u>																MAG VAR: 2E						EPOCH YEAR: 2005			
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	360	1	343	360	1	343	360	1	343		NA														
LNAV MDA	380	1	363	380	1	363	380	1	363		NA														
CIRCLING	580	1	557	580	1	557	680	1 3/4	657		NA														
NOTES: CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: NIGHT LANDING: RWY 8, 31 NA. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.																									
@ NA WHEN LOCAL WEATHER NOT AVAILABLE.																									
(SEE FORM 8260-10) QUALITY CHECKED																									
CITY AND STATE			ELEVATION: 23			THRE: 17			FACILITY IDENTIFIER:			PROCEDURE NO./AMDT NO./EFFECTIVE DATE:			SUP:										
JENNINGS, LA			AIRPORT NAME:			JENNINGS			RNAV			RNAV (GPS) RWY 8, AMDT 1			AMDT: ORIG-A										
												18 SEPTEMBER 2014			DATED 04/08/2010										

**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 LAKE CHARLES RGNL ALTIMETER SETTING:
INCREASE ALL MDA 80 FT, LP CAT C VISIBILITY 1/4 MILE, LNAV CAT C VISIBILITY 3/8 MILE, AND
CIRCLING CAT C VISIBILITY 1/4 MILE.**

TAA

	<u>FROM</u>	<u>TO</u>	<u>ALT</u>
1.	347/30 CW 167/30 (NOPT)	CEGUV (IF/IAF) (FB)	3000
2.	167/30 CW 347/30	CEGUV (IF/IAF) (FO)	3000

CITY AND STATE

JENNINGS, LA

ELEVATION: 23

THRE: 17

AIRPORT NAME:

JENNINGS

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 8, AMDT 1
18 SEPTEMBER 2014

SUP:

AMDT: **ORIG-A**DATED: **04/08/2010**

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 JENNINGS, LA	ELEVATION: 23 THRE: 17 AIRPORT NAME: JENNINGS	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 8, AMDT 1 18 SEPTEMBER 2014	SUP:
				AMDT: ORIG-A
				DATED: 04/08/2010

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) 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	3R7
RUNWAY	RW08
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W08A
LTP/FTP LATITUDE	301432.6425N
LTP/FTP LONGITUDE	0924108.4610W
LTP/FTP ELLIPSOIDAL HEIGHT	-00225
FPAP LATITUDE	301449.1840N
FPAP LONGITUDE	0923927.3745W
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	1224
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	0.0

CRC REMAINDER

9113DB19

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+00051
FPAP ORTHOMETRIC HEIGHT	+00051



CITY AND STATE JENNINGS, LA	ELEVATION: 23 THRE: 17 AIRPORT NAME: JENNINGS	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 8, AMDT 1 18 SEPTEMBER 2014	SUP:
				AMDT: ORIG-A
				DATED: 04/08/2010

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]

	1	2	3	4	5	6	7	8	9	0	1	2	3
AIRPORT	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890
SUSAP	3R7	K4A3R7	0	050YHN30143372W092402460E002000023			1800018000C	MNAR	JENNINGS				

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP 3R7 K4FR08	ACEGUV	010CEGUVK4EA0EE	AR	HF			07720040	+	03000	18000		A	JS
SUSAP 3R7 K4FR08	R	010CEGUVK4EA0E	I	IF				+	03000	18000		A	JS
SUSAP 3R7 K4FR08	R	020HALRUK4EA1E	F	051TF			07720065	+	01700			A	JS
SUSAP 3R7 K4FR08	R	020HALRUK4EA2WALP			N	ALNAV							JS
SUSAP 3R7 K4FR08	R	021WEBAKK4EA0E	S	031TF			07730030	V	0072000735	-300		A	JS
SUSAP 3R7 K4FR08	R	030RW08 K4PG0GY	M	031TF			07730021		00067	-300		A	JS
SUSAP 3R7 K4FR08	R	040		0 M	CA		0773	+	00400			A	JS
SUSAP 3R7 K4FR08	R	050CEGUVK4EA0EY	L	DF				+	03000			A	JS
SUSAP 3R7 K4FR08	R	060CEGUVK4EA0EE	R	HM			07720040	+	03000			A	JS

[illegible][illegible]

CITY AND STATE JENNINGS, LA	ELEVATION: 23	THRE: 17	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME: JENNINGS			RNAV (GPS) RWY 8, AMDT 1	AMDT: ORIG-A
			RNAV	18 SEPTEMBER 2014	DATED: 04/08/2010

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
	CEGUV	CEGUV	010	IAF	HF	R	FO		077.2(079.2T)	004.0	AA 03000	
		CEGUV	010	FACF	IF		FB				AA 03000	
		HALRU	020	FAF	TF		FB	0.5	077.2(079.2T)	006.5	AA 01700	
		WEBAK	021	SDF	TF		FB	0.3	077.3(079.3T)	003.0	AA 00720 GS 00735	
		RW08	030	MAP	TF		FO	0.3	077.3(079.3T)	002.1	AT 00067	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		077.3(079.3T)		AA 00400	
	CEGUV	050		DF	L	FO				AA 03000	
	CEGUV	060		HM	R	FO		077.2(079.2T)	004.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CEGUV	N301222.35	W0925419.77	N3012.373	W09254.330
	HALRU	N301335.34	W0924657.55	N3013.589	W09246.959
	WEBAK	N301409.21	W0924331.40	N3014.154	W09243.523
	RW08	N301432.64	W0924108.46	N3014.544	W09241.141

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW08	00017	50

CITY AND STATE
JENNINGS, LA

ELEVATION: 23 THRE: 17
AIRPORT NAME:
JENNINGS

FACILITY IDENTIFIER:
RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
RNAV (GPS) RWY 8, AMDT 1
18 SEPTEMBER 2014

SUP:
AMDT: ORIG-A
DATED: 04/08/2010

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

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE LAKE CHARLES RGNL ALTIMETER SETTING:
INCREASE ALL DA 69 FT AND ALL MDA 80 FT; INCREASE LPV AND LNAV/VNAV ALL CATS VISIBILITY 1/4 MILE,
INCREASE LNAV/CIRCLING CAT C VISIBILITY 1/4 MILE.

TAA

	FROM	TO	ALT
1.	167/30 CW 347/30 (NOPT)	TUYOD (IF/IAF) (FB)	3000
2.	347/30 CW 167/30	TUYOD (IAF) (FO)	3000



CITY AND STATE
JENNINGS, LA

ELEVATION: 23 THRE: 20
AIRPORT NAME:
JENNINGS

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 26, ORIG
18 SEPTEMBER 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**DATA FIELD****DATA**

OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	3R7
RUNWAY	RW26
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W26A
LTP/FTP LATITUDE	301441.8040N
LTP/FTP LONGITUDE	0924012.4260W
LTP/FTP ELLIPSOIDAL HEIGHT	-00214
FPAP LATITUDE	301425.2580N
FPAP LONGITUDE	0924153.5095W
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	1224
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER

4131FC51

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+00061
FPAP ORTHOMETRIC HEIGHT	+00061



CITY AND STATE

JENNINGS, LA

ELEVATION: 23

THRE: 20

AIRPORT NAME:

JENNINGS

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 26, ORIG

18 SEPTEMBER 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]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP 3R7 K4FR26	ATUYOD	010TUYODK4EA0EE	AR	HF		25740040	+	03000	18000		A	JS	
SUSAP 3R7 K4FR26	R	010TUYODK4EA0E	I	IF			+	03000	18000		A	JS	
SUSAP 3R7 K4FR26	R	020MALMSK4EA1E	F	051TF		25740065	+	01700			A	JS	
SUSAP 3R7 K4FR26	R	020MALMSK4EA2WALPV			ALNAV/VNAV ALNAV							JS	
SUSAP 3R7 K4FR26	R	021WADBOK4EA0E	S	031TF		25740035	V	0058000580		-300	A	JS	
SUSAP 3R7 K4FR26	R	030RW26 K4PGOGY	M	031TF		25740016		00070		-300	A	JS	
SUSAP 3R7 K4FR26	R	040	0	M	CA	2574	+	00290			A	JS	
SUSAP 3R7 K4FR26	R	050CEGUVK4EA0EY		DF			+	03000			A	JS	
SUSAP 3R7 K4FR26	R	060CEGUVK4EA0EE	R	HM		07720040	+	03000			A	JS	

[illegible][illegible]

QUALITY
CHECKED

CITY AND STATE
JENNINGS, LA

ELEVATION: 23
AIRPORT NAME

THRE: 20

JENNINGS

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:

RNAV (GPS) RWY 26, ORIG

18 SEPTEMBER 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
	TUYOD	TUYOD	010	IAF	HF	R	FO		257.4(259.4T)	004.0	AA 03000	
		TUYOD	010	FACF	IF		FB				AA 03000	
		MALMS	020	FAF	TF		FB	0.5	257.4(259.4T)	006.5	AA 01700	
		WADBO	021	SDF	TF		FB	0.3	257.4(259.4T)	003.5	AA 00580	GS 00580
		RW26	030	MAP	TF		FO	0.3	257.4(259.4T)	001.6	AT 00070	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		257.4(259.4T)		AA 00290	
	CEGUV	050		DF		FO				AA 03000	
	CEGUV	060		HM	R	FO		077.2(079.2T)	004.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CEGUV	N301222.35	W0925419.77	N3012.373	W09254.330
	MALMS	N301538.67	W0923423.94	N3015.645	W09234.399
	TUYOD	N301650.54	W0922701.13	N3016.842	W09227.019
	WADBO	N301459.61	W0923823.50	N3014.994	W09238.392
	RW26	N301441.80	W0924012.43	N3014.697	W09240.207

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW26	00020	50

QUALITY
CHECKED

CITY AND STATE JENNINGS, LA	ELEVATION: 23	THRE: 20	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME:			RNAV (GPS) RWY 26, ORIG	AMDT: NONE
	JENNINGS	RNAV	18 SEPTEMBER 2014	DATED:	

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: HELICOPTER VISIBILITY REDUCTION BELOW 1SM NOT AUTHORIZED.

CHART NOTE: NIGHT LANDING: RWY 4 NA CAT C.

CITY AND STATE

BAD AXE, MI

ELEVATION: 763

TDZE: 763

AIRPORT NAME:

HURON COUNTY MEMORIAL

**FACILITY
IDENTIFIER:**

RNAV

PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 4, ORIG-A

18 SEPTEMBER 2014

SUP:

AMDT: ORIG

DATED: 12/20/2007

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 KBAXK5FR04	ABUPBA	010BUPBAK5EA0E	A	IF						18000		B JS	
SUSAP KBAXK5FR04	ABUPBA	020CASKUK5EA0EE	B	010TF			30330050	+	03000			B JS	
SUSAP KBAXK5FR04	AMBS	010MBS K5D 0V		IF						18000		B JS	
SUSAP KBAXK5FR04	AMBS	020CASKUK5EA0EY		020TF			08820423	+	03000			B JS	
SUSAP KBAXK5FR04	AMBS	030CASKUK5EA0EE	AR	HF			03320040	+	03000			B JS	
SUSAP KBAXK5FR04	AWHOOP	010WHOOPK5EA0E		IF						18000		B JS	
SUSAP KBAXK5FR04	AWHOOP	020AYALIK5EA0E	A	020TF			15130475	+	03000			B JS	
SUSAP KBAXK5FR04	AWHOOP	030CASKUK5EA0EE	B	010TF			12320050	+	03000			B JS	
SUSAP KBAXK5FR04	R	010CASKUK5EA0E	I	IF				+	03000	18000		B JS	
SUSAP KBAXK5FR04	R	020DUDACK5EA1E	F	051TF			03320062	+	02500		RW04 K5PGB	JS	
SUSAP KBAXK5FR04	R	020DUDACK5EA2WN			N	ALNAV						JS	
SUSAP KBAXK5FR04	R	030RW04 K5PG0GY	M	031TF			03330053		00795	-305		B JS	
SUSAP KBAXK5FR04	R	040	O	M	CA		0333	+	01140			B JS	
SUSAP KBAXK5FR04	R	050IDICEK5EA0EY		DF				+	03000			B JS	
SUSAP KBAXK5FR04	R	060IDICEK5EA0EE	R	HM			21340040	+	03000			B JS	

[illegible]

CITY AND STATE
BAD AXE, MI

ELEVATION: 763	TDZE: 763
AIRPORT NAME: HURON COUNTY MEMORIAL	

FACILITY
IDENTIFIER:
| RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
RNAV (GPS) RWY 4, ORIG-A
18 SEPTEMBER 2014

SUP:	
AMDT:	ORIG
DATED:	12/20/2007

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:	12/20/2007

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
	BUPBA	BUPBA	010	IAF	IF		FB					
	BUPBA	CASKU	020		TF		FB	1.0	303.3 (298.3T)	005.0	AA 03000	
	MBS	MBS	010		IF		FB					
	MBS	CASKU	020		TF		FO	2.0	088.2 (083.2T)	042.3	AA 03000	
	MBS	CASKU	030	IAF	HF	R	FO		033.2 (028.2T)	004.0	AA 03000	
	WHOOB	WHOOB	010		IF		FB					
	WHOOB	AYALI	020	IAF	TF		FB	2.0	151.3 (146.3T)	047.5	AA 03000	
	WHOOB	CASKU	030		TF		FB	1.0	123.2 (118.2T)	005.0	AA 03000	
		CASKU	010	FACF	IF		FB				AA 03000	
		DUDAC	020	FAF	TF		FB	0.5	033.2 (028.2T)	006.2	AA 02500	
		RW04	030	MAP	TF		FO	0.3	033.3 (028.3T)	005.3	AT 00795	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		033.3 (028.3T)		AA 01140	
	IDICE	050		DF		FO				AA 03000	
	IDICE	060		HM	R	FO		213.4 (208.4T)	004.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	MBS	N433153.95	W0840438.28	N4331.899	W08404.638
	AYALI	N433901.40	W0831252.26	N4339.023	W08312.871
	BUPBA	N433417.46	W0830044.68	N4334.291	W08300.745
	CASKU	N433639.59	W0830648.23	N4336.660	W08306.804
	DUDAC	N434207.11	W0830245.67	N4342.119	W08302.761
	IDICE	N435716.34	W0825127.74	N4357.272	W08251.462
	WHOOB	N441835.13	W0834911.46	N4418.586	W08349.191
	RW04	N434645.68	W0825918.70	N4346.761	W08259.312

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW04	00755	40

CITY AND STATE
BAD AXE, MI

ELEVATION: **763** **TDZE: 763**
 AIRPORT NAME:
HURON COUNTY MEMORIAL

FACILITY
 IDENTIFIER:
RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
RNAV (GPS) RWY 4, ORIG-A
18 SEPTEMBER 2014

SUP:	
AMDT:	ORIG
DATED:	12/20/2007

PAGE 1 OF 4 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.):
INCREASE ALL DA 129 FEET, AND ALL MDA 140 FEET. INCREASE LPV ALL CATS VISIBILITY 3/8 MILE;
INCREASE LNAV CAT C AND CIRCLING CAT C VISIBILITY 1/2 MILE.
CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.

CITY AND STATE BAD AXE, MI	ELEVATION: 763 AIRPORT NAME: HURON COUNTY MEMORIAL	TDZE: 763 RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 17, ORIG-A 18 SEPTEMBER 2014	SUP:
				AMDT: ORIG
				DATED: 08/30/2007

**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	KBAX
RUNWAY	RW17
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W17A
LTP/FTP LATITUDE	434706.1380N
LTP/FTP LONGITUDE	0825915.2020W
LTP/FTP ELLIPSOIDAL HEIGHT	+01979
FPAP LATITUDE	434540.1500N
FPAP LONGITUDE	0825842.9200W
THRESHOLD CROSSING HEIGHT (TCH)	00040.3
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

5BB822F9

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+02325
FPAP ORTHOMETRIC HEIGHT	+02325

CITY AND STATE

BAD AXE, MI

ELEVATION: 763

TDZE: 763

AIRPORT NAME:

HURON COUNTY MEMORIAL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 17, ORIG-A

18 SEPTEMBER 2014

SUP:

AMDT: ORIG

DATED: 08/30/2007

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[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KBAXK5FR17	AANIVE	010ANIVEK5EA0E	A	IF					18000			A JS	
SUSAP KBAXK5FR17	AANIVE	020ELAREK5EA0EE	B	010TF		25980070	+	03000				A JS	
SUSAP KBAXK5FR17	AELARE	010ELAREK5EA0EE	AR	HF		16970040	+	03000		18000		A JS	
SUSAP KBAXK5FR17	AMBS	010MBS K5D 0V		IF						18000		A JS	
SUSAP KBAXK5FR17	AMBS	020BAYACK5EA0E	A	020TF		06280467	+	03000				A JS	
SUSAP KBAXK5FR17	AMBS	030ELAREK5EA0EE	B	010TF		07970050	+	03000				A JS	
SUSAP KBAXK5FR17	AWHOOP	010WHOOPK5EA0E		IF						18000		A JS	
SUSAP KBAXK5FR17	AWHOOP	020BAYACK5EA0E	A	020TF		13270358	+	03000				A JS	
SUSAP KBAXK5FR17	AWHOOP	030ELAREK5EA0EE	B	010TF		07970050	+	03000				A JS	
SUSAP KBAXK5FR17	R	010ELAREK5EA0E	I	IF			+	03000		18000		A JS	
SUSAP KBAXK5FR17	R	020CAMOGK5EA1E	F	051TF		16970062	+	02400			RW17 K5PGA	JS	
SUSAP KBAXK5FR17	R	020CAMOGK5EA2WALPV			ALNAV/VNAV	ALNAV						JS	
SUSAP KBAXK5FR17	R	030RWI7 K5PGOGY	M	031TF		16980049		00803		-300		A JS	
SUSAP KBAXK5FR17	R	040	0	M	CA	1698	+	01075				A JS	
SUSAP KBAXK5FR17	R	050AREBEK5EA0EY		DF			+	03000				A JS	
SUSAP KBAXK5FR17	R	060AREBEK5EA0EE	R	HM		34980040	+	03000				A JS	

[illegible]

CITY AND STATE BAD AXE, MI	ELEVATION: 763 AIRPORT NAME: HURON COUNTY MEMORIAL	TDZE: 763	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 17, ORIG-A 18 SEPTEMBER 2014	SUP:
					AMDT: ORIG
					DATED: 08/30/2007

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 KBAXK5PR17	RW17 001 0000W17A0N4347061380W08259152020+019790300N4345401500W08258429200106751224000403F4005005BB822F9											
	SUSAP KBAXK5PR17	RW17 002E +02325+02325LPV 69205											
	1	2	3	4	5	6	7	8	9	0	1	2	3
MSA	12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												

	SUSAP KBAXK5SRW17 K5PG	0 18018002425	M										

CITY AND STATE BAD AXE, MI	ELEVATION: 763	TDZE: 763	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 17, ORIG-A 18 SEPTEMBER 2014	SUP:
	AIRPORT NAME: HURON COUNTY MEMORIAL				AMDT: ORIG
					DATED: 08/30/2007

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
	ANIVE	ANIVE	010	IAF	IF		FB					
	ANIVE	ELARE	020		TF		FB	1.0	259.8 (254.8T)	007.0	AA 03000	
	ELARE	ELARE	010	IAF	HF	R	FO		169.7 (164.7T)	004.0	AA 03000	
	MBS	MBS	010		IF		FB					
	MBS	BAYAC	020	IAF	TF		FB	2.0	062.8 (057.8T)	046.7	AA 03000	
	MBS	ELARE	030		TF		FB	1.0	079.7 (074.7T)	005.0	AA 03000	
	WHOO	WHOO	010		IF		FB					
	WHOO	BAYAC	020	IAF	TF		FB	2.0	132.7 (127.7T)	035.8	AA 03000	
	WHOO	ELARE	030		TF		FB	1.0	079.7 (074.7T)	005.0	AA 03000	
		ELARE	010	FACF	IF		FB				AA 03000	
		CAMOG	020	FAF	TF		FB	0.5	169.7 (164.7T)	006.2	AA 02400	
		RW17	030	MAP	TF		FO	0.3	169.8 (164.8T)	004.9	AT 00803	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		169.8 (164.8T)		AA 01075	
	AREBE	050		DF		FO				AA 03000	
	AREBE	060		HM	R	FO		349.8 (344.8T)	004.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	MBS	N433153.95	W0840438.28	N4331.899	W08404.638
	ANIVE	N435943.64	W0825357.74	N4359.727	W08253.962
	AREBE	N433443.45	W0825437.41	N4334.724	W08254.624
	BAYAC	N435634.19	W0830959.60	N4356.570	W08309.993
	CAMOG	N435152.34	W0830102.83	N4351.872	W08301.047
	ELARE	N435753.40	W0830319.03	N4357.890	W08303.317
	WHOO	N441835.13	W0834911.46	N4418.586	W08349.191
	RW17	N434706.14	W0825915.20	N4347.102	W08259.253

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW17	00763	40

CITY AND STATE BAD AXE, MI	ELEVATION: 763	TDZE: 763	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 17, ORIG-A 18 SEPTEMBER 2014	SUP:
	AIRPORT NAME: HURON COUNTY MEMORIAL			AMDT:	ORIG
				DATED:	08/30/2007

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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TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
KEVEC/2.00 NM TO RW22	RW22 (MAP) (FO)	213.38 / 2.00	
RW22 (MAP)	1140 MSL	213.38	
1140 MSL	CASKU (FO)		3000

NOTES, (CONT.):

CHART PLANVIEW AT HALNA: RADAR REQUIRED FOR PROCEDURE ENTRY AT HALNA.
CHART PROFILE NOTE: DESCENT ANGLE NA.

CITY AND STATE
BAD AXE, MI

ELEVATION: 763 TDZE: 763
AIRPORT NAME:
HURON COUNTY MEMORIAL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 22, ORIG-A
18 SEPTEMBER 2014

SUP:
AMDT: ORIG
DATED: 12/20/2007

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

CITY AND STATE BAD AXE, MI	ELEVATION: 763 AIRPORT NAME: HURON COUNTY MEMORIAL	TDZE: 763	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 22, ORIG-A 18 SEPTEMBER 2014	SUP:
					AMDT: ORIG
					DATED: 12/20/2007

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 BAD AXE, MI	ELEVATION: 763 AIRPORT NAME: HURON COUNTY MEMORIAL	TDZE: 763 FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 22, ORIG-A 18 SEPTEMBER 2014	SUP:
				AMDT: ORIG
				DATED: 12/20/2007

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
	HALNA	HALNA	010		IF		FB					
	HALNA	IDICE	020		TF		FO	2.0	303.5 (298.5T)	005.0	AA 04000	
	HALNA	IDICE	030	IAF	HF	R	FO		213.4 (208.4T)	004.0	AA 03000	
	MBS	MBS	010		IF		FB					
	MBS	IDICE	020		TF		FO	2.0	069.0 (064.0T)	058.8	AA 03000	
	MBS	IDICE	030	IAF	HF	R	FO		213.4 (208.4T)	004.0	AA 03000	
	WHOOOP	WHOOOP	010		IF		FB					
	WHOOOP	GUCET	020	IAF	TF		FB	2.0	121.7 (116.7T)	041.7	AA 03000	
	WHOOOP	IDICE	030		TF		FB	1.0	123.4 (118.4T)	005.0	AA 03000	
		IDICE	010	FACF	IF		FB				AA 03000	
		JANIK	020	FAF	TF		FB	0.5	213.4 (208.4T)	006.2	AA 02500	
		KEVEC	021	SDF	TF		FB	0.3	213.4 (208.4T)	003.3	AA 01440	
		RW22	030	MAP	TF		FO	0.3	213.4 (208.4T)	002.0	AT 01140	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		213.4 (208.4T)		AA 01140	
	CASKU	050		DF		FO				AA 03000	
	CASKU	060		HM	R	FO		033.2 (028.2T)	004.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	MBS	N433153.95	W0840438.28	N4331.899	W08404.638
	CASKU	N433639.59	W0830648.23	N4336.660	W08306.804
	GUCET	N435939.01	W0825733.21	N4359.650	W08257.554
	HALNA	N435453.34	W0824522.76	N4354.889	W08245.379
	IDICE	N435716.34	W0825127.74	N4357.272	W08251.462
	JANIK	N435150.76	W0825531.27	N4351.846	W08255.521
	KEVEC	N434859.07	W0825739.35	N4348.985	W08257.656
	WHOOOP	N441835.13	W0834911.46	N4418.586	W08349.191
	RW22	N434713.45	W0825858.03	N4347.224	W08258.967

RUNWAY DATA	RWY	THRESHOLD	TCH
		ELEVATION	
	RW22	00762	00

CITY AND STATE BAD AXE, MI	ELEVATION: 763	TDZE: 763	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 22, ORIG-A 18 SEPTEMBER 2014	SUP:
	AIRPORT NAME: HURON COUNTY MEMORIAL			AMDT: ORIG	
				DATED: 12/20/2007	

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: RW35							
MBS VOR/DME		DODKE (FB)		092.76 / 46.12			3000		CLIMB TO 3000 DIRECT ELARE AND HOLD.							
DODKE (IAF)		AREBE (NOPT) (FB)		079.76 / 5.00			3000									
AREBE (IF/IAF)		BACAD (FB)		349.84 / 7.03			2400									
BACAD (FAF)		CALTA/3.10 NM TO RW35 (FB)		349.81 / 1.87												
CALTA/3.10 NM TO RW35		RW35 (MAP) (FO)		349.81 / 3.10												
RW35 (MAP)		1113 MSL		349.81					ADDITIONAL FLIGHT DATA: HOLD N, RT, 169.73 INBOUND. CHART FAS OBST: 866 ELEV 434542N/0825852W 1069 AAO 434312N/0825655W. DISTANCE TO THLD FROM 357 HAT: 1.00 NM. CHART VDP AT 1.08 MILES TO RW35* *LNAV ONLY. WAAS CHANNEL # 62805 REFERENCE PATH ID: W35A LTP HAE: 195 M							
1113 MSL		ELARE (FO)					3000									
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)										MAG VAR: 5W EPOCH YEAR: 1980						
2. HOLD S AREBE, RT, 349.84 INBOUND, 3000 FT. IN LIEU OF PT (IAF)																
3. FAC: 349.81 FAF: BACAD _____ DIST FAF TO MAP: 4.97 THLD: 4.97																
4. MIN. ALT: AREBE 3000, BACAD 2400, CALTA/3.10 NM TO RW35 1780*																
5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____																
6. MIN GS INCPT: 2400 GS ALT AT: BACAD 2400 _____ OM: _____ MM: _____ IM: _____																
7. GS ANGLE: 3.00 TCH: 40.0 34:1 IS NOT CLEAR																
8. MSA FROM: RW35 2400																
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		1113	1 1/4	357	1113	1 1/4	357	1113	1 1/4	357		NA				
LNAV/VNAV DA		1154	1 1/2	398	1154	1 1/2	398	1154	1 1/2	398		NA				
LNAV MDA		1120	1	364	1120	1	364	1120	1	364		NA				
CIRCLING		1300	1	537	1320	1	557	1320	1 1/2	557		NA				
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 MBS VOR/DME ON V320 NORTHWEST BOUND. CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT. (SEE FORM 8260-10)																
CITY AND STATE		ELEVATION: 763 TDZE: 756			FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 35, ORIG-A 18 SEPTEMBER 2014				SUP: AMDT: ORIG DATED 08/30/2007					
BAD AXE, MI		AIRPORT NAME: HURON COUNTY MEMORIAL														

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

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NOTES, (CONT.):

*LNAV ONLY

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE MBS INTL ALTIMETER SETTING AND INCREASE ALL DA 129 FEET AND ALL MDA 140 FEET. INCREASE LPV ALL CATS AND LNAV CAT C VISIBILITY 3/8 MILE; INCREASE CIRCLING CAT C VISIBILITY 1/2 MILE.

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

CHART NOTE: VDP AND BARO/VNAV NA WHEN USING MBS INTL ALTIMETER SETTING.

CITY AND STATE

BAD AXE, MI

ELEVATION: 763

TDZE: 756

AIRPORT NAME:

HURON COUNTY MEMORIAL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 35, ORIG-A

18 SEPTEMBER 2014

SUP:

AMDT: ORIG

DATED: 08/30/2007

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 KBAX
RUNWAY RW35
APPROACH PERFORMANCE DESIGNATOR 0
ROUTE INDICATOR
REFERENCE PATH DATA SELECTOR 0
REFERENCE PATH IDENTIFIER (APPROACH ID) W35A
LTP/FTP LATITUDE 434618.4040N
LTP/FTP LONGITUDE 0825857.2755W
LTP/FTP ELLIPSOIDAL HEIGHT +01950
FPAP LATITUDE 434744.3900N
FPAP LONGITUDE 0825929.5600W
THRESHOLD CROSSING HEIGHT (TCH) 00040.0
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

935538FB

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K5
LTP ORTHOMETRIC HEIGHT +02295
FPAP ORTHOMETRIC HEIGHT +02295

CITY AND STATE

BAD AXE, MI

ELEVATION: 763

TDZE: 756

AIRPORT NAME:

HURON COUNTY MEMORIAL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:

RNAV (GPS) RWY 35, ORIG-A

18 SEPTEMBER 2014

SUP:

AMDT: ORIG

DATED: 08/30/2007

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[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KBAXK5FR35	AAREBE	010AREBEK5EA0EE	AR	HF		34980040	+	03000	18000		A	JS
SUSAP	KBAXK5FR35	AMBS	010MBS	KSD	0V	IF				18000		A	JS
SUSAP	KBAXK5FR35	AMBS	020DODKEK5EA0E	A	020TF		09280461	+	03000			A	JS
SUSAP	KBAXK5FR35	AMBS	030AREBEK5EA0EE	B	010TF		07980050	+	03000			A	JS
SUSAP	KBAXK5FR35	R	010AREBEK5EA0E	I	IF			+	03000	18000		A	JS
SUSAP	KBAXK5FR35	R	020BACADK5EA1E	F	051TF		34980070	+	02400		RW35	K5PGA	JS
SUSAP	KBAXK5FR35	R	020BACADK5EA2WALPV		ALNAV/VNAV	ALNAV							JS
SUSAP	KBAXK5FR35	R	021CALTAK5EA0E	S	031TF		34980019	V	0178001789		-300		A JS
SUSAP	KBAXK5FR35	R	030RW35	K5PGOGY	M	031TF	34980031		00793		-300		A JS
SUSAP	KBAXK5FR35	R	040		M	CA	3498	+	01113				A JS
SUSAP	KBAXK5FR35	R	050ELAREK5EA0EY		DF			+	03000				A JS
SUSAP	KBAXK5FR35	R	060ELAREK5EA0EE	R	HM		16970040	+	03000				A JS

[illegible][illegible]

CITY AND STATE BAD AXE, MI	ELEVATION: 763 AIRPORT NAME: HURON COUNTY MEMORIAL	TDZE: 756	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 35, ORIG-A 18 SEPTEMBER 2014	SUP:
					AMDT: ORIG
					DATED: 08/30/2007

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[illegible]

SUP:	
AMDT:	ORIG
DATED:	08/30/2007

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
	AREBE	AREBE	010	IAF	HF	R	FO		349.8 (344.8T)	004.0	AA 03000	
	MBS	MBS	010		IF		FB					
	MBS	DODKE	020	IAF	TF		FB	2.0	092.8 (087.8T)	046.1	AA 03000	
	MBS	AREBE	030		TF		FB	1.0	079.8 (074.8T)	005.0	AA 03000	
		AREBE	010	FACF	IF		FB				AA 03000	
		BACAD	020	FAF	TF		FB	0.5	349.8 (344.8T)	007.0	AA 02400	
		CALTA	021	SDF	TF		FB	0.3	349.8 (344.8T)	001.9	AA 01780	GS 01789
		RW35	030	MAP	TF		FO	0.3	349.8 (344.8T)	003.1	AT 00793	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		349.8 (344.8T)		AA 01113	
	ELARE	050		DF		FO				AA 03000	
	ELARE	060		HM	R	FO		169.7 (164.7T)	004.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	MBS	N433153.95	W0840438.28	N4331.899	W08404.638
	AREBE	N433443.45	W0825437.41	N4334.724	W08254.624
	BACAD	N434130.39	W0825709.37	N4341.507	W08257.156
	CALTA	N434318.89	W0825749.99	N4343.315	W08257.833
	DODKE	N433324.79	W0830115.62	N4333.413	W08301.260
	ELARE	N435753.40	W0830319.03	N4357.890	W08303.317
	RW35	N434618.40	W0825857.28	N4346.307	W08258.955

RUNWAY DATA	THRESHOLD		TCH
	RWY	ELEVATION	
	RW35	00753	40

CITY AND STATE BAD AXE, MI	ELEVATION: 763	TDZE: 756	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 35, ORIG-A 18 SEPTEMBER 2014	SUP:
	AIRPORT NAME: HURON COUNTY MEMORIAL			AMDT: ORIG	
				DATED: 08/30/2007	

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	
				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 18 SEPTEMBER 2014

CITY AND STATE BAD AXE, MI	ELEVATION: 763 AIRPORT NAME: HURON COUNTY MEMORIAL	TDZE: 763	FACILITY IDENTIFIER: BAX	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: VOR RWY 22, AMDT 10, 12/20/2007	SUP	VOR OR GPS RWY 22
					AMDT	9
					DATE	12/07/1995

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: RW04R CLIMB TO 3000 THEN RIGHT TURN DIRECT MADDS AND HOLD. ADDITIONAL FLIGHT DATA: HOLD NW, RT, 148.00 INBOUND. CHART FAS OBST: 779 TOWER 421051N/0832322W DISTANCE TO THLD FROM 200 HAT: 0.46 NM. CHART VDP AT 1.10 MILES TO RW04R* *LNAV ONLY. WAAS CHANNEL # 63004 REFERENCE PATH ID: W04B CHART CIRCLING ICON LTP HAE: 159.8 M	
ANOVE (IAF)	HIMEX (FB)	349.62 / 3.80	4000		
HIMEX (IF)	ETALE (FB)	034.60 / 7.14	2600		
ETALE (FAF)	CAXUD/1.70 NM TO RW04R (FB)	034.65 / 4.30			
CAXUD/1.70 NM TO RW04R	RW04R (MAP) (FO)	034.65 / 1.70			
RW04R (MAP)	3000 MSL	034.65	3000		
3000 MSL	MADDS (FO)		3000		
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. PROFILE STARTS AT HIMEX 3. FAC: 034.65 FAF: ETALE DIST FAF TO MAP: 6.00 THLD: 6.00 4. MIN. ALT: HIMEX 4000, ETALE 2600, CAXUD/1.70 NM TO RW04R 1220* 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 2600 GS ALT AT: ETALE 2600 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 51.4 34:1 IS CLEAR 8. MSA FROM: RW04R 2800				MAG VAR: 6W EPOCH YEAR: 1990	
MINIMUMS					
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE: N A	
CATEGORY =====>				STANDARD	
	A		B		C
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS
LPV DA	839	2400	200	839	2400
LNAV/VNAV DA	1026	4100	387	1026	4100
LNAV MDA	1040	2400	401	1040	4000
CIRCLING					
	1200	1	555	1200	1
NOTES: CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -18C (0F) OR ABOVE 54C (130F).					
(SEE FORM 8260-10)					
CITY AND STATE		ELEVATION: 645 TDZE: 639		FACILITY IDENTIFIER: RNAV	
DETROIT, MI		AIRPORT NAME: DETROIT METROPOLITAN WAYNE COUNTY		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 4R, AMDT 2 18 SEPTEMBER 2014	
				SUP: _____ AMDT: _____ DATED 06/27/2013	

**RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33**

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NOTES, (CONT.):

CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED WITH ILS OR LOC RWY 3R, ILS RWY 3R (SA CAT I), ILS RWY 3R (CAT II), ILS RWY 3R (CAT III).

CHART NOTE: LNAV PROCEDURE NA DURING SIMULTANEOUS OPERATIONS.

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

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT ANOVE ON V493 SOUTHBOUND.

QUALITY
9
CHECKED

CITY AND STATE DETROIT, MI	ELEVATION: 645 TDZE: 639 AIRPORT NAME: DETROIT METROPOLITAN WAYNE COUNTY	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 4R, AMDT 2 18 SEPTEMBER 2014	SUP:
				AMDT: 1B
				DATED: 06/27/2013

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	KDTW
RUNWAY	RW04R
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	0
REFERENCE PATH DATA SELECTOR	W04B
REFERENCE PATH IDENTIFIER (APPROACH ID)	421212.7755N
LTP/FTP LATITUDE	0832213.3220W
LTP/FTP LONGITUDE	+01598
LTP/FTP ELLIPSOIDAL HEIGHT	421352.3650N
FPAP LATITUDE	0832059.9660W
FPAP LONGITUDE	00051.4
THRESHOLD CROSSING HEIGHT (TCH)	F
TCH UNITS SELECTOR (METERS OR FEET USED)	03.00
GLIDEPATH ANGLE (GPA)	106.75
COURSE WIDTH AT THRESHOLD	0000
LENGTH OFFSET	40.0
HORIZONTAL ALERT LIMIT (HAL)	35.0
VERTICAL ALERT LIMIT (VAL)	

<u>CRC REMAINDER</u>	912544A5

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+01943
FPAP ORTHOMETRIC HEIGHT	+01943

QUALITY
9
CHECKED

CITY AND STATE	ELEVATION: 645	TDZE: 639	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
DETROIT, MI	AIRPORT NAME:		RNAV	RNAV (GPS) RWY 4R, AMDT 2	AMDT: 1B
	DETROIT METROPOLITAN WAYNE COUNTY			18 SEPTEMBER 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][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KDTWK5FR04R	AANOVE	010	AANOVEK5EA0E	A	IF				18000			A	JS
SUSAP KDTWK5FR04R	AANOVE	020	HIMEXK5EA0EE	B	010TF	34960038		+ 04000				A	JS
SUSAP KDTWK5FR04R	R	010	HIMEXK5EA0E	I	IF			+ 04000	18000			A	JS
SUSAP KDTWK5FR04R	R	020	ETALEK5EA1E	F	051TF	03460071		+ 02600			RW04R	K5PGA	JS
SUSAP KDTWK5FR04R	R	020	ETALEK5EA2WALPV			ALNAV/VNAV	ALNAV						JS
SUSAP KDTWK5FR04R	R	021	CAXUDK5EA0E	S	031TF	03470043		V 0122001230		-300		A	JS
SUSAP KDTWK5FR04R	R	030	RW04RK5PGOGY	M	031TF	03470017		00689		-300		A	JS
SUSAP KDTWK5FR04R	R	040		O	M	CA	0347		+ 03000			A	JS
SUSAP KDTWK5FR04R	R	050	MADDSK5EA0EY	R	DF				+ 03000			A	JS
SUSAP KDTWK5FR04R	R	060	MADDSK5EA0EE	R	HM	14800040			+ 03000			A	JS

[illegible][illegible][illegible]

CITY AND STATE DETROIT, MI	ELEVATION: 645	TDZE: 639	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME:			RNAV (GPS) RWY 4R, AMDT 2	AMDT: 1B
	DETROIT METROPOLITAN WAYNE COUNTY		RNAV	18 SEPTEMBER 2014	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
	ANOVE	ANOVE	010	IAF	IF		FB					
	ANOVE	HIMEX	020		TF		FB	1.0	349.6 (343.6T)	003.8	AA 04000	
		HIMEX	010	FACF	IF		FB				AA 04000	
		ETALE	020	FAF	TF		FB	0.5	034.6 (028.6T)	007.1	AA 02600	
		CAXUD	021	SDF	TF		FB	0.3	034.7 (028.7T)	004.3	AA 01220	GS 01230
		RW04R	030	MAP	TF		FO	0.3	034.7 (028.7T)	001.7	AT 00689	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		034.7 (028.7T)		AA 03000	
	MADDS	050		DF	R	FO				AA 03000	
	MADDS	060		HM	R	FO		148.0 (142.0T)	004.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	ANOVE	N415701.77	W0832914.75	N4157.030	W08329.246
	CAXUD	N421043.26	W0832319.20	N4210.721	W08323.320
	ETALE	N420656.70	W0832605.60	N4206.945	W08326.093
	HIMEX	N420040.64	W0833041.01	N4200.677	W08330.684
	MADDS	N422941.73	W0830536.73	N4229.696	W08305.612
	RW04R	N421212.78	W0832213.32	N4212.213	W08322.222

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW04R	00637	51

CITY AND STATE
DETROIT, MI

ELEVATION: 645
AIRPORT NAME:
DETROIT METROPOLITAN WAYNE COUNTY

TDZE: 639

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
RNAV (GPS) RWY 4R, AMDT 2
18 SEPTEMBER 2014

SUP:

AMDT: 1B

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			MAP: MRH NDB					
												CLIMB TO 1200 THEN CLIMBING LEFT TURN TO 1600 DIRECT MRH NDB AND HOLD.					
												ADDITIONAL FLIGHT DATA: HOLD NW, RT, 148.00 INBOUND. CHART FAS OBST: 344 TOWER 344933N/0764307W FAC CROSSES RWY C/L EXTENDED 3166 FROM THLD. CHART: R-5306A, R-5306C					
1. PT <u> L </u> SIDE OF COURSE <u> 328.09 </u> OUTBOUND <u> 1600 </u> FT WITHIN <u> 10 </u> MILES OF <u> MRH NDB </u> (IAF) 2. _____ 3. FAC <u> 148.09 </u> FAF _____ DIST FAF TO MAP _____ THLD _____ 4. MIN. ALT _____ 8. MSA FROM: <u> MRH NDB 2100 </u>														MAG VAR: 8W		EPOCH YEAR: 1985	
MINIMUMS																	
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT										ALTERNATE: N A		☒ X					
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-14		700	1	691	700	1	691	700	2	691	700	2	691				
CIRCLING		700	1	690	700	1	690	700	2	690	700	2 1/4	690				
NOTES: CHART PLANVIEW NOTE: RADAR REQUIRED. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. CHART NOTE: ATC CLEARANCE REQUIRED TO PENETRATE R-5306A AND R-5306C. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE CHERRY POINT MCAS ALTIMETER SETTING AND (SEE FORM 8260-10)																	
CITY AND STATE BEAUFORT, NC				ELEVATION: 10 AIRPORT NAME: MICHAEL J. SMITH FIELD		TDZE: 9		FACILITY IDENTIFIER: MRH		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: NDB RWY 14, AMDT 1A 18 SEPTEMBER 2014				SUP			
														AMDT 1			
														DATE 05/31/2012			



**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.

NOTES, (CONT.):

INCREASE ALL MDA 40 FEET.

CHART NOTE: NIGHT LANDING: RWY 3, 8, 14, 32 NA.



CITY AND STATE

BEAUFORT, NC

ELEVATION: 10

TDZE: 9

AIRPORT NAME:

MICHAEL J. SMITH FIELD

FACILITY
IDENTIFIER:

MRH

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

NDB RWY 14, AMDT 1A
18 SEPTEMBER 2014

SUP:

AMDT: 1

DATED: 05/31/2012

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-SVH 1.20 DME FIX CLIMB TO 1700 THEN CLIMBING LEFT TURN TO 3400 ON HEADING 105 AND ON 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. CHART 4NM ON OUTBOUND LEG OF HOLDING PATTERN AT PEGTE.	
PEGTE INT/I-SVH 13.19 DME (IF/IAF)	HESAB/I-SVH 6.20 DME	284.84 / 7.00 (I-SVH)	2600		
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, 284.84 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: <u> </u>				MAG VAR: 8W EPOCH YEAR: 2015	
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	VIS
S-ILS 28	1160	1/2	200	1160	1/2
S-LOC 28	1280	1/2	320	1280	1/2
CIRCLING	1420	1	452	1540	1
NOTES: CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT. CHART PLANVIEW NOTE: GPS REQUIRED FOR TERMINAL ARRIVAL AREA. 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 Y RWY 28, ORIG 18 SEPTEMBER 2014		SUP: AMDT: NONE DATED	

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.):

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.

TAA

	FROM	TO	ALT
1.	195/30 CW 015/30 (NOPT)	PEGTE (IF/IAF) (FB)	3400
2.	015/30 CW 195/30	015/6 CW 195/6	4300
	015/6 CW 195/6	PEGTE (IAF) (FO)	3400

QUALITY
6
CHECKED

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 Y RWY 28, ORIG

18 SEPTEMBER 2014

SUP:

AMDT: NONE

DATED:

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 PACKET - 424-18 - ILS

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

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KSVHK7FI28-Y	APEGTE	010PEGTEK7EA0EE	AR	HF	ISVHK7	1048013228480040PI	+	03400	18000		0	NS
SUSAP	KSVHK7FI28-Y	I	010PEGTEK7EA0E	I	IF	ISVHK7	10480132	PI	J	034000260018000		0	NS
SUSAP	KSVHK7FI28-Y	I	020HESABK7PC0E	F	CF	ISVHK7	1048006228500070PI	H	0260002600		-300	0	NS
SUSAP	KSVHK7FI28-Y	I	030RW28	K7PG0GY	M	CF	ISVHK7	1048001228500050PI		01010	-300	0	NS
SUSAP	KSVHK7FI28-Y	I	040	0	M	CA	2848	+	01700			0	NS
SUSAP	KSVHK7FI28-Y	I	050	0	L	VIY	1050					0	NS
SUSAP	KSVHK7FI28-Y	I	060PEGTEK7EA0EY		CF	CLT K7	0254035202540030D	+	03400			0	NS
SUSAP	KSVHK7FI28-Y	I	070PEGTEK7EA0EE	R	HM		28480040	+	03400			0	NS

[illegible][illegible]

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 Y RWY 28, ORIG
 18 SEPTEMBER 2014

SUP:	
AMDT:	NONE
DATED:	

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
	PEGTE	PEGTE	010	IAF	HF	R	FO		284.8()	004.0	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()	004.0	AA 03400	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CLT	N351125.04	W0805706.31	N3511.417	W08057.105
	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, NCELEVATION: 968 THRE: 960
AIRPORT NAME:
STATESVILLE RGNLFACILITY
IDENTIFIER:
I-SVHPROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
ILS OR LOC/DME Y RWY 28, ORIG
18 SEPTEMBER 2014

SUP:

AMDT: NONE

DATED:

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 KSVHK7FL28-Y APEGTE	010PEGTEK7EA0EE	AR	HF	ISVHK7	1048013228480040	PI	+	03400	18000			0	DS
SUSAP KSVHK7FL28-Y L	010PEGTEK7EA0E	I	IF	ISVHK7	10480132	PI	+	03400	18000			0	DS
SUSAP KSVHK7FL28-Y L	020HESABK7PC0E	F	CF	ISVHK7	1048006228500070	PI	+	02600				0	DS
SUSAP KSVHK7FL28-Y L	021ICENUK7PC0E	S	CF	ISVHK7	1048003628500026	PI	+	01760		-301		0	DS
SUSAP KSVHK7FL28-Y L	030RW28 K7PG0GY	M	CF	ISVHK7	1048001228500024	PI		01010		-301		0	DS
SUSAP KSVHK7FL28-Y L	040	0 M	CA		2848		+	01700				0	DS
SUSAP KSVHK7FL28-Y L	050	0 L	VIY		1050							0	DS
SUSAP KSVHK7FL28-Y L	060PEGTEK7EA0EY		CF	CLT K7	0254035202540030	D	+	03400				0	DS
SUSAP KSVHK7FL28-Y L	070PEGTEK7EA0EE	R	HM		28480040		+	03400				0	DS

[illegible][illegible]

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 Y RWY 28, ORIG
 18 SEPTEMBER 2014

SUP:	
AMDT:	NONE
DATED:	

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
	PEGTE	PEGTE	010	IAF	HF	R	FO		284.8()	004.0	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()	004.0	AA 03400	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CLT	N351125.04	W0805706.31	N3511.417	W08057.105
	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, NCELEVATION: 968 THRE: 960
AIRPORT NAME:
STATESVILLE RGNLFACILITY
IDENTIFIER:
I-SVHPROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
ILS OR LOC/DME Y RWY 28, ORIG
18 SEPTEMBER 2014SUP:
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.								
TERMINAL ROUTES				MISSED APPROACH								
FROM	TO	COURSE AND DISTANCE	ALTITUDE	MAP: DA CLIMB TO 3000 ON THE RNAV MISSED APPROACH ROUTE TO TRAVA AND HOLD. ADDITIONAL FLIGHT DATA: HOLD NE, RT, 235.07 INBOUND DISTANCE TO THLD FROM 357 HAT: 1.06 NM #TCH 726.2 MSL (DO NOT CHART) ROUTE TYPE: A, H ROUTE TYPE QUALIFIER 1: F ROUTE TYPE QUALIFIER 2: S CHART MANDATORY 4000 AT ROZWL CHART MANDATORY 4000 AT LKERI CHART MANDATORY 2600 AT ONCET CHART MANDATORY 4000 AT GOALS CHART MANDATORY 5000 AT SNOPO CHART MINIMUM 3500 AT WABUS MAG VAR: 11W EPOCH YEAR: 2015								
WABUS (IAF)(40E)(43A)	ONCET (TF)(FB)(RNP 1.00)(40E)(43B)	054.82/6.20	2600									
ROZWL (IF)(40E)(43B)	ZURUS (TF)(FB)(RNP 1.00)(40E)	098.66/5.34	2300									
LKERI (IF)(40E)(43B)	EBBED (TF)(FB)(RNP 1.00)(40E)	074.80/5.34	2300									
ONCET (IF)(40E)(43B)	JAXYN (TF)(FB)(RNP 1.00)(40E)(41E)	054.87/3.00	1700									
GOALS (IF)(40E)(43B)	FORMN (TF)(FB)(RNP 1.00)(40E)	344.93/5.02	2400									
SNOPO (IF)(40E)(43B)	GLUTE (TF)(FB)(RNP 1.00)(40E)	235.00/3.45	3900									
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. PROFILE STARTS AT JAXYN 3. FAC: 054.90 FAF: _____ DIST FAF TO MAP: _____ THLD: _____ 4. MIN. ALT: JAXYN 1700 5. DIST TO THLD FROM OM: 3.06 MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 1700 GS ALT AT: JAXYN 1700 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 45.6# 34:1 IS CLEAR 8. MSA FROM: RW05 3900												
MINIMUMS												
TAKEOFF: X 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
AUTHORIZATION REQUIRED												
RNP 0.10 DA	1065	4500	357	1065	4500	357	1065	4500	357	1065	4500	357
RNP 0.30 DA	1159	6000	451	1159	6000	451	1159	6000	451	1159	6000	451
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -18C (0F) OR ABOVE 54C (130F) CHART NOTE: GPS REQUIRED CHART PROFILE NOTE: SEE PLANVIEW FOR MULTIPLE IF LOCATIONS SEE FORM 8260-10.												
(CONTINUED ON PAGE 2)												
CITY AND STATE		ELEVATION: 727 TDZE: 708		FACILITY IDENTIFIER:		PROCEDURE NO. /AMDT NO. / EFFECTIVE DATE:				SUP:		
BUFFALO, NY		BUFFALO NIAGARA INTL		RNAV		RNAV (RNP) Z RWY 5, ORIG 9/18/2014				AMDT: NONE		
										DATED		

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION RNAV (RNP)-STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICES 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	
GLUTE (40E)	FORMN (RF)(FB)(RNP 1.00)(40E)	(2.49 NM RADIUS CW (CFMNB))/4.78	2400	
FORMN (40E)	JAXYN (RF)(FB)(RNP 1.00)(40E)(41E)	(2.01 NM RADIUS CW (CFMKH))/2.46	1700	
ZURUS (40E)	JAXYN (RF)(FB)(RNP 1.00)(40E)(41E)	(2.62 NM RADIUS CCW (CFMRJ))/2.01	1700	
EBBED (40E)	JAXYN (RF)(FB)(RNP 1.00)(40E)(41E)	(5.80 NM RADIUS CCW (CFMPW))/2.02	1700	
JAXYN (FAF)(40E)(43F)	RW05 (MAP)(TF)(FO)(40G)(41Y)(43M)	054.90/3.06		
RW05 (MAP)(40G)(41Y)(43M)	TRAVA (TF)(FO)(RNP 1.00)(40E)(41Y)(42M)(43H)	054.94/13.02	3000	
NOTES (CONT.): CHART SPEED ICON IN PLANVIEW AT ROZWL, LKERI, ONCET, GOALS, SNOPO: MAX 210 KIAS CHART PLANVIEW NOTE ADJACENT TO ROZWL IF, LKERI IF, GOALS IF, SNOPO IF: RF REQUIRED CHART NOTE: FOR INOPERATIVE MALSR, INCREASE RNP 0.10 ALL CATS VISIBILITY TO 1 1/4 CHART NOTE: FOR INOPERATIVE MALSR, INCREASE RNP 0.30 ALL CATS VISIBILITY TO 1 5/8				
CITY AND STATE	ELEVATION: 727 TDZE 708	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
BUFFALO, NY	BUFFALO NIAGARA INTL	RNAV	RNAV (RNP) Z RWY 5, ORIG 9/18/2014	AMDT: NONE
				DATED:

U.S. 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	MAP: DA CLIMB TO 3000 ON THE RNAV MISSED APPROACH ROUTE TO WABUS AND HOLD. ADDITIONAL FLIGHT DATA: HOLD SW, RT, 054.81 INBOUND DISTANCE TO THLD FROM 388 HAT: 1.06 NM #TCH 777.0 MSL (DO NOT CHART) ROUTE TYPE: A, H ROUTE TYPE QUALIFIER 1: F ROUTE TYPE QUALIFIER 2: S CHART MANDATORY 5000 AT FOTBL CHART MANDATORY 5000 AT COZZS CHART MANDATORY 4000 AT WNGGS CHART MANDATORY 2700 AT BUULS CHART MINIMUM 5500 AT SUSKE CHART MINIMUM 3500 AT TRAVA MAG VAR: 11W EPOCH YEAR: 2015											
SUSKE (IAF)(40E)(43A)	BUFST (TF)(FB)(RNP1.00) (40E)	063.15/6.65	5500												
BUFST (40E)	FOTBL (TF)(FB)(RNP1.00) (40E)(43B)	063.23/4.55	5000												
TRAVA (IAF)(40E)(43A)	BUULS (TF)(FB)(RNP1.00) (40E)(43B)	235.07/5.57	2700												
FOTBL (IF)(40E)(43B)	ZADUM (TF)(FB)(RNP1.00) (40E)	054.89/3.45	3900												
COZZS (IF)(40E)(43B)	EFFECT (TF)(FB)(RNP1.00) (40E)	055.00/3.14	4000												
WNGGS (IF)(40E)(43B)	JEDAR (TF)(FB)(RNP1.00) (40E)	351.85/3.00	3200												
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. PROFILE STARTS AT BIILS 3. FAC: 234.98 FAF: _____ DIST FAF TO MAP: _____ THLD: _____ 4. MIN. ALT: BIILS 1800 5. DIST TO THLD FROM OM: 3.21 MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 1800 GS ALT AT: BIILS 1800 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 51.1# 34:1 IS CLEAR 8. MSA FROM: RW23 3900															
MINIMUMS															
TAKEOFF: X 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 0.10 DA	1114	4500	388	1114	4500	388	1114	4500	388	1114	4500	388			
RNP 0.20 DA	1170	5500	444	1170	5500	444	1170	5500	444	1170	5500	444			
RNP 0.30 DA	1228	1 1/4	502	1228	1 1/4	502	1228	1 1/4	502	1228	1 1/4	502			
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -18C (0F) OR ABOVE 54C (130F) CHART NOTE: GPS REQUIRED CHART PROFILE NOTE: SEE PLANVIEW FOR MULTIPLE IF LOCATIONS SEE FORM 8260-10.															
(CONTINUED ON PAGE 2)															
CITY AND STATE BUFFALO, NY		ELEVATION: 727 TDZE: 726		FACILITY IDENTIFIER: RNAV		PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (RNP) Z RWY 23, ORIG 9/18/2014				SUP:					
		AIRPORT NAME: BUFFALO NIAGARA INTL								AMDT: NONE					
										DATED					

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 (RNP)-STANDARD		INSTRUMENT APPROACH PROCEDURE			
FLIGHT STANDARDS SERVICES		97.33			
TERMINAL ROUTES (CONT.):					
FROM	TO	COURSE AND DISTANCE	ALTITUDE		
ZADUM (40E)	JABET (RF)(FB)(RNP 1.00)(40E)	(2.49 NM RADIUS CW (CFQFT))/4.12	2700		
EFFCT (40E)	JEDAR (RF)(FB)(RNP 1.00) (40E)	(2.49 NM RADIUS CCW (CFNBR))/2.75	3200		
JEDAR (40E)	ZUDAT (RF)(FB)(RNP 1.00)(40E)	(2.62 NM RADIUS CCW (CFHSN))/2.00	2600		
JABET (40E)	BIILS (RF)(FB)(RNP 1.00)(40E)(41E)	(2.02 NM RADIUS CW (CFJJB))/3.00	1800		
BUULS (IF)(40E)(43B)	BIILS (TF)(FB)(RNP 1.00)(40E)(41E)	235.02/3.00	1800		
ZUDAT (40E)	BIILS (RF)(FB)(RNP 1.00)(40E)(41E)	(2.02 NM RADIUS CCW (CFJRZ))/2.57	1800		
BIILS (FAF)(40E)(43F)	RW23 (MAP)(TF)(FO)(40G)(41Y)(43M)	234.98/3.21			
RW23 (MAP)(40G)(41Y)(43M)	WABUS (TF)(FO)(RNP 1.00)(40E)(41Y)(42M)(43H)	234.95/13.50	3000		
NOTES (CONT.): CHART SPEED ICON IN PLANVIEW AT FOTBL, BUULS, WNNGS, COZZS: MAX 210 KIAS CHART PLANVIEW NOTE ADJACENT TO SUSKE IAF: PROCEDURE NA FOR ARRIVALS AT SUSKE ON V2-43 WESTBOUND CHART PLANVIEW NOTE ADJACENT TO SUSKE IAF, WNNGS IF, COZZS IF: RF REQUIRED CHART NOTE: FOR INOPERATIVE ALSF, INCREASE RNP 0.10 ALL CATS VISIBILITY TO 1 1/4 CHART NOTE: FOR INOPERATIVE ALSF, INCREASE RNP 0.20 ALL CATS VISIBILITY TO 1 1/2 CHART NOTE: FOR INOPERATIVE ALSF, INCREASE RNP 0.30 ALL CATS VISIBILITY TO 1 3/4					
CITY AND STATE	ELEVATION: 727	TDZE 726	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
BUFFALO, NY	BUFFALO NIAGARA INTL		RNAV	RNAV (RNP) Z RWY 23, ORIG 9/18/2014	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				
ASTOE	SEEPS (FB)	134.33 / 9.95	3500	LPV: DA LNAV/VNAV: DA LNAV: RW30 CLIMB TO 3500 DIRECT CYMOL AND HOLD.			
SEEPS (IAF)	REEKY (FB)	205.76 / 9.00	3500				
FSD VORTAC (IAF)	REEKY (FB)	011.30 / 34.83	3500	ADDITIONAL FLIGHT DATA: HOLD NW, RT, 115.35 INBOUND. FAS OBST: 1819 AAO 441659N/0964404W CHART 1932 TOWER 441644N/0964112W DISTANCE TO THLD FROM 250 HAT: 0.64 NM. CHART VDP AT 1.30 MILES TO RW30* *LNAV ONLY. WAAS CHANNEL # 82736 REFERENCE PATH ID: W30A CHART CIRCLING ICON LTP HAE: 473.5 M			
REEKY (IF)	ZURPA (FB)	295.69 / 6.00	3300				
ZURPA (FAF)	RW30 (MAP) (FO)	295.58 / 5.08					
RW30 (MAP)	1887 MSL	295.58					
1887 MSL	CYMOL (FO)		3500				

1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)	
2. PROFILE STARTS AT REEKY	
3. FAC: 295.58 FAF: ZURPA DIST FAF TO MAP: 5.08 THLD: 5.08	
4. MIN. ALT: REEKY 3500, ZURPA 3300	
5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____	
6. MIN GS INCPT: 3300 GS ALT AT: ZURPA 3300 OM: _____ MM: _____ IM: _____	
7. GS ANGLE: 3.00 TCH: 45.0 34:1 IS CLEAR	
8. MSA FROM: RW30 3800	

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	1887	1	250	1887	1	250	1887	1	250	1887	1	250			
LNAV/VNAV DA	1968	1 1/8	331	1968	1 1/8	331	1968	1 1/8	331	1968	1 1/8	331			
LNAV MDA	2080	1	443	2080	1	443	2080	1 3/8	443	2080	1 3/8	443			
CIRCLING	2140	1	492	2160	1	512	2340	2	692	2340	2 1/4	692			

NOTES:
 CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -18C (0F) OR ABOVE 54C (130F).
 CHART NOTE: DME/DME RNP-0.3 NA.
 CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.
 CHART NOTE: WHEN LOCAL ALTIMETER NOT RECEIVED. USE PIPESTONE ALTIMETER SETTING AND INCREASE ALL DA (SEE FORM 8260-10)

@ CAT D 800-2 1/4
 @ NA WHEN LOCAL WEATHER NOT AVAILABLE.

CITY AND STATE BROOKINGS, SD	ELEVATION: 1648 TDZE: 1637	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 30, ORIG 18 SEPTEMBER 2014	SUP:
	AIRPORT NAME: BROOKINGS RGNL			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.):

81 FT AND ALL MDA 100FT; INCREASE LPV AND LNAV ALL CATS VISIBILITY 1/8 MILE, LNAV/VNAV ALL CATS VISIBILITY AND CIRCLING CATS C AND D VISIBILITY 1/4 MILE.

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

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

CHART NOTE: CIRCLING NA FOR CATS C AND D TO RWYS 17 AND 35.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT ASTOE ON V26 WESTBOUND.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON FSD VORTAC AIRWAY RADIALS 297 CW 092.

CITY AND STATE

BROOKINGS, SD

ELEVATION: 1648

TDZE: 1637

AIRPORT NAME:

BROOKINGS RGNL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 30, ORIG

18 SEPTEMBER 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 INFORMATIONDATA FIELDDATA

OPERATION TYPE 0
SBAS SERVICE PROVIDER IDENTIFIER 0
AIRPORT IDENTIFIER KBKX
RUNWAY RW30
APPROACH PERFORMANCE DESIGNATOR 0
ROUTE INDICATOR 0
REFERENCE PATH DATA SELECTOR W30A
REFERENCE PATH IDENTIFIER (APPROACH ID) 441800.8030N
LTP/FTP LATITUDE 0964826.5240W
LTP/FTP LONGITUDE +04735
LTP/FTP ELLIPSOIDAL HEIGHT 441843.3150N
FPAP LATITUDE 0965015.5710W
FPAP LONGITUDE 00045.0
THRESHOLD CROSSING HEIGHT (TCH) F
TCH UNITS SELECTOR (METERS OR FEET USED) 03.00
GLIDEPATH ANGLE (GPA) 106.75
COURSE WIDTH AT THRESHOLD 0928
LENGTH OFFSET 40.0
HORIZONTAL ALERT LIMIT (HAL) 50.0
VERTICAL ALERT LIMIT (VAL)

CRC REMAINDER

A02BEF4C

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K3
LTP ORTHOMETRIC HEIGHT +04989
FPAP ORTHOMETRIC HEIGHT +04989

CITY AND STATE

BROOKINGS, SD

ELEVATION: 1648

TDZE: 1637

AIRPORT NAME:

BROOKINGS RGNL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 30, ORIG

18 SEPTEMBER 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]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KBKXK3FR30	AASTOE	010ASTOEK3EA0E	IF						18000		A JS	
SUSAP	KBKXK3FR30	AASTOE	020SEEPSK3EA0E	A 020TF		13430100		+ 03500				A JS	
SUSAP	KBKXK3FR30	AASTOE	030REEKYK3EA0EE	B 010TF		20580090		+ 03500				A JS	
SUSAP	KBKXK3FR30	AFSD	010FSD K3D 0V	A IF						18000		A JS	
SUSAP	KBKXK3FR30	AFSD	020REEKYK3EA0EE	B 010TF		01130348		+ 03500				A JS	
SUSAP	KBKXK3FR30	R	010REEKYK3EA0E	I IF				+ 03500		18000		A JS	
SUSAP	KBKXK3FR30	R	020ZURPAK3EA1E	F 051TF		29570060		+ 03300			RW30 K3PGA	JS	
SUSAP	KBKXK3FR30	R	020ZURPAK3EA2WALPV		ALNAV/VNAV	ALNAV						JS	
SUSAP	KBKXK3FR30	R	030RW30 K3PGOGY M	031TF		29560051		01682		-300		A JS	
SUSAP	KBKXK3FR30	R	040 0 M	CA		2956		+ 01887				A JS	
SUSAP	KBKXK3FR30	R	050CYMOLK3EA0EY	DF				+ 03500				A JS	
SUSAP	KBKXK3FR30	R	060CYMOLK3EA0EE	R HM		11540040		+ 03500				A JS	

[illegible][illegible]

CITY AND STATE BROOKINGS, SD	ELEVATION: 1648 TDZE: 1637 AIRPORT NAME: BROOKINGS RGNL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 30, ORIG 18 SEPTEMBER 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]

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
	ASTOE	ASTOE	010		IF		FB					
	ASTOE	SEEPS	020	IAF	TF		FB	2.0	134.3 (137.3T)	010.0	AA 03500	
	ASTOE	REEKY	030		TF		FB	1.0	205.8 (208.8T)	009.0	AA 03500	
	FSD	FSD	010	IAF	IF		FB					
	FSD	REEKY	020		TF		FB	1.0	011.3 (014.3T)	034.8	AA 03500	
		REEKY	010	FACF	IF		FB				AA 03500	
		ZURPA	020	FAF	TF		FB	0.5	295.7 (298.7T)	006.0	AA 03300	
		RW30	030	MAP	TF		FO	0.3	295.6 (298.6T)	005.1	AT 01682	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		295.6 (298.6T)		AA 01887	
	CYMOL	050		DF		FO				AA 03500	
	CYMOL	060		HM	R	FO		115.4 (118.4T)	004.0	AA 03500	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	FSD	N433858.17	W0964652.05	N4338.970	W09646.868
	ASTOE	N442755.47	W0963816.95	N4427.925	W09638.283
	CYMOL	N442357.15	W0970343.66	N4423.953	W09703.728
	REEKY	N441242.47	W0963454.13	N4412.708	W09634.902
	SEEPS	N442036.02	W0962852.88	N4420.600	W09628.881
	ZURPA	N441535.06	W0964213.58	N4415.584	W09642.226
	RW30	N441800.80	W0964826.52	N4418.013	W09648.442

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW30	01637	45

CITY AND STATE
BROOKINGS, SD

ELEVATION: 1648 TDZE: 1637
 AIRPORT NAME:
 BROOKINGS RGNL

FACILITY
IDENTIFIER:
 RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
 RNAV (GPS) RWY 30, ORIG
 18 SEPTEMBER 2014

SUP:
 AMDT: NONE
 DATED:

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							
SALTZ (IF/IAF)		HYDER OM/INT		255.46 / 7.93 (I-CSV)		3600							
				ILS: DA LOC: 4.66 MILES AFTER HYDER OM/INT OR AT (CFBWP)									
				CLIMB TO 3000 THEN CLIMBING LEFT TURN TO 5000 ON HEADING 180 AND HCH VORTAC R-303 TO HCH VORTAC AND HOLD, OR AS DIRECTED BY ATC.									
				ALTERNATE MA: CLIMB TO 3000 THEN CLIMBING LEFT TURN TO 5000 DIRECT HCH VORTAC AND HOLD. (GPS REQUIRED).									
				ADDITIONAL FLIGHT DATA: HOLD SE, RT, 335.04 INBOUND. CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD SW HCH VORTAC, RT, 031.02 INBOUND. FAS OBST: 2179 AAO 355859N/0845926W CHART CIRCLING ICON									
1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)													
2. HOLD E SALTZ, RT, 255.46 INBOUND, 6100 FT. IN LIEU OF PT (IAF)													
3. FAC: 255.46 FAF: HYDER OM/INT DIST FAF TO MAP: 4.66 THLD: 5.16													
4. MIN. ALT: SALTZ 6100, HYDER OM 3600													
5. DIST TO THLD FROM OM: 5.16 MM: - IM: - 150 HAT: - 100 HAT: - GS ANT: 1075													
6. MIN GS INCPT: 3600 GS ALT AT: - OM: 3595 MM: - IM: -													
7. GS ANGLE: 3.00 TCH: 60.0													
8. MSA FROM:													
MAG VAR: 2W EPOCH YEAR: 1990													
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
S-ILS 26		2090	3/4	219	2090	3/4	219	2090	3/4	219	2090	3/4	219
S-LOC 26		2440	1	569	2440	1	569	2440	1 5/8	569	2440	1 5/8	569
CIRCLING		2440	1	559	2440	1	559	2440	1 5/8	559	2520	2	639
NOTES: CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT. CHART PLANVIEW NOTE: GPS REQUIRED. CHART PROFILE NOTE: LOC UNUSABLE INSIDE 0.5 NM. CHART NOTE: NIGHT LANDING: RWY 8 NA.													
CITY AND STATE CROSSVILLE, TN		ELEVATION: 1881 TDZE: 1871 AIRPORT NAME: CROSSVILLE MEMORIAL-WHITSON FIELD		FACILITY IDENTIFIER: I-CSV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS Y OR LOC Y RWY 26, ORIG 18 SEPTEMBER 2014				SUP: AMDT: NONE DATED			

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

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TAA

	FROM	TO	ALT
1.	166/30 CW 346/30 (NOPT)	SALTZ (IF/IAF) (FB)	6100
2.	346/30 CW 166/30	SALTZ (IF/IAF) (FO)	6100

CITY AND STATE
CROSSVILLE, TN

ELEVATION: 1881 TDZE: 1871
AIRPORT NAME:
CROSSVILLE MEMORIAL-WHITSON FIELD

FACILITY
IDENTIFIER:
I-CSV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
ILS Y OR LOC Y RWY 26, ORIG
18 SEPTEMBER 2014

SUP:
AMDT: NONE
DATED:

FLIGHT STANDARDS SERVICES - FAR PART 97.25

Page 3 of 4 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
	SALTZ	SALTZ	010	IAF	HF	R	FO		255.5 ()	006.0	AA 06100	
		SALTZ	010	FACF	IF		FB				AA 06100	
		HYDER	020	FAF	CF		FB		255.0 ()	007.9	AA 03600	
		CFBWP	030	MAP	CF		FO		255.0 ()	004.7	AT 02089	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		255.5 ()		AA 03000	
		050		VI		FB		180.0 ()			
	HCH	060		CF		FO		123.0 ()	013.0	AA 05000	
	HCH	070		HM	R	FO		335.0 ()	T01.0	AA 05000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	HCH	N354651.65	W0845842.43	N3546.861	W08458.707
	SALTZ	N360055.22	W0844906.20	N3600.920	W08449.103
	CFBWP	N355720.83	W0850358.92	N3557.347	W08503.982
	HYDER	N355840.41	W0845828.59	N3558.674	W08458.477
	RW26	N355712.28	W0850434.34	N3557.205	W08504.572
	ICSV (LOC)	N355655.55	W0850543.62	N3556.926	W08505.727

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW26	01867	60

CITY AND STATE
CROSSVILLE, TN

ELEVATION: 1881 TDZE: 1871
AIRPORT NAME:
CROSSVILLE MEMORIAL-WHITSON FIELD

FACILITY
IDENTIFIER:
ICSV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
ILS Y OR LOC Y RWY 26, ORIG
18 SEPTEMBER 2014

SUP:
AMDT: NONE
DATED:

FLIGHT STANDARDS SERVICES - FAR PART 97.29

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ARINC PACKET - 424-18 - ILS

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

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3	
SUSAP	KCSVK7FI26-Y	ASALTZ	010SALTZK7EA0EE	AR	HF	HCH	K7	0310016125550060D	+	06100	18000		0 NS	
SUSAP	KCSVK7FI26-Y	I	010SALTZK7EA0E	I	IF	ICSVK7		07540141	PI	J	061000360018000		0 NS	
SUSAP	KCSVK7FI26-Y	I	020HYDERK7PC0E	F	CF	ICSVK7		0754006125500079PI	H	0360003595		-300	0 NS	
SUSAP	KCSVK7FI26-Y	I	030RW26	K7PG0GY	M	CF	ICSVK7	0755001025500052PI				01927	-300	0 NS
SUSAP	KCSVK7FI26-Y	I	040		0	M	CA	2555		+	03000		0 NS	
SUSAP	KCSVK7FI26-Y	I	050		0		VI	1800					0 NS	
SUSAP	KCSVK7FI26-Y	I	060HCH	K7D	0VY		CF	HCH	K7	0000000012300130D	+	05000	0 NS	
SUSAP	KCSVK7FI26-Y	I	070HCH	K7D	0VE	R	HM	3350T010		+	05000		0 NS	

[illegible][illegible]

CITY AND STATE
CROSSVILLE, TN

ELEVATION: 1881	TDZE: 1871
AIRPORT NAME: CROSSVILLE MEMORIAL-WHITSON FIELD	

FACILITY
IDENTIFIER:
I-CSV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
ILS Y OR LOC Y RWY 26, ORIG
18 SEPTEMBER 2014

SUP:	
AMDT:	NONE
DATED:	

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
	SALTZ	SALTZ	010	IAF	HF	R	FO		255.5()	006.0	AA 06100	
		SALTZ	010	FACF	IF		FB				AA 06100 GI 03600	
		HYDER	020	FAF	CF		FB		255.0()	007.9	GI 03600 GS 03595	
		RW26	030	MAP	CF		FO		255.0()	005.2	AT 01927	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		255.5()		AA 03000	
		050		VI		FB		180.0()			
	HCH	060		CF		FO		123.0()	013.0	AA 05000	
	HCH	070		HM	R	FO		335.0()	T01.0	AA 05000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	HCH	N354651.65	W0845842.43	N3546.861	W08458.707
	SALTZ	N360055.22	W0844906.20	N3600.920	W08449.103
	HYDER	N355840.41	W0845828.59	N3558.674	W08458.477
	RW26	N355712.28	W0850434.34	N3557.205	W08504.572
	ICSV (LOC)	N355655.55	W0850543.62	N3556.926	W08505.727

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW26	01867	60

CITY AND STATE
CROSSVILLE, TN

ELEVATION: 1881 TDZE: 1871
AIRPORT NAME:
CROSSVILLE MEMORIAL-WHITSON FIELD

FACILITY
IDENTIFIER:
I-CSV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
ILS Y OR LOC Y RWY 26, ORIG
18 SEPTEMBER 2014

SUP:

AMDT: NONE

DATED:

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	ILS: DA LOC: 4.66 MILES AFTER HYDER OM/INT OR AT (CFBWP) CLIMB TO 3000 THEN CLIMBING LEFT TURN TO 5000 ON HEADING 180 AND HCH VORTAC R-303 TO HCH VORTAC AND HOLD. ADDITIONAL FLIGHT DATA: HOLD SE, RT, 335.04 INBOUND. FAS OBST: 2179 AAO 355859N/0845926W CHART CIRCLING ICON CHART IN PLANVIEW: HCH 11.80 DME AT HYDER OM/INT.											
HCH VORTAC	HYDER OM/INT	002.91 / 11.80	4700												
1. PT <u>L</u> SIDE OF COURSE <u>075.46</u> OUTBOUND <u>4300</u> FT WITHIN <u>10</u> MILES OF <u>HYDER OM</u> (IAF) 2. _____ 3. FAC: <u>255.46</u> FAF: <u>HYDER OM/INT</u> DIST FAF TO MAP: <u>4.66</u> THLD: <u>5.16</u> 4. MIN. ALT: <u>SAYCO INT 4100, HYDER OM 3600</u> 5. DIST TO THLD FROM OM: <u>5.16</u> MM: <u>-</u> IM: <u>-</u> 150 HAT: <u>-</u> 100 HAT: <u>-</u> GS ANT: <u>1075</u> 6. MIN GS INCPT: <u>3600</u> GS ALT AT: <u>-</u> OM: <u>3595</u> MM: <u>-</u> IM: <u>-</u> 7. GS ANGLE: <u>3.00</u> TCH: <u>60.0</u> 8. MSA FROM: <u>HCH VORTAC 4300</u>				MAG VAR: <u>2W</u> EPOCH YEAR: <u>1990</u>											
MINIMUMS															
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT				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 26	2090	3/4	219	2090	3/4	219	2090	3/4	219	2090	3/4	219			
S-LOC 26	2440	1	569	2440	1	569	2440	1 5/8	569	2440	1 5/8	569			
CIRCLING	2440	1	559	2440	1	559	2440	1 5/8	559	2520	2	639			
NOTES: # CAT D 700-2 CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT. CHART PROFILE NOTE: LOC UNUSABLE INSIDE 0.5 NM. CHART NOTE: NIGHT LANDING: RWY 8 NA.															
CITY AND STATE		ELEVATION: 1881 TDZE: 1871		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP. ILS OR LOC RWY 26					
CROSSVILLE, TN		AIRPORT NAME:		I-CSV		ILS Z OR LOC Z RWY 26, AMDT 14 18 SEPTEMBER 2014				AMDT: 13A					
		CROSSVILLE MEMORIAL-WHITSON FIELD								DATED 05/07/2009					

FLIGHT STANDARDS SERVICES - FAR PART 97.29

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ARINC PACKET - 424-18 - ILS

[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KCSVK7FI26-Z	AHCH	010HCH	K7D 0V	IF					18000		0	NS
SUSAP	KCSVK7FI26-Z	AHCH	020HYDERK7PC0E		TF					+ 04700		0	NS
SUSAP	KCSVK7FI26-Z	AHCH	030HYDERK7PC0E	AR	PI HCH K7	0029011803050100D				+ 04300		0	NS
SUSAP	KCSVK7FI26-Z	AHCH	040SAYCOK7PC0EE		CF ICSVK7	0755010125550060PI				+ 04100		0	NS
SUSAP	KCSVK7FI26-Z	I	010SAYCOK7PC0E	I	IF ICSVK7	07550101	PI	J	041000360018000			0	NS
SUSAP	KCSVK7FI26-Z	I	020HYDERK7PC0E	F	CF ICSVK7	0754006125500040PI	H	0360003595		-300HCH	K7D	0	NS
SUSAP	KCSVK7FI26-Z	I	030RW26	K7PG0GY M	CF ICSVK7	0755001025500052PI		01927		-300		0	NS
SUSAP	KCSVK7FI26-Z	I	040	0 M	CA	2555				+ 03000		0	NS
SUSAP	KCSVK7FI26-Z	I	050	0	VI	1800						0	NS
SUSAP	KCSVK7FI26-Z	I	060HCH	K7D 0VY	CF HCH K7	0000000012300130D				+ 05000		0	NS
SUSAP	KCSVK7FI26-Z	I	070HCH	K7D 0VE R	HM	3350T010				+ 05000		0	NS

[illegible][illegible][illegible]

DATED: 05/07/2009

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - FAR PART 97.29

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SUSAP KCSVK7SHCH K7D

0 18018004325

M

CITY AND STATE
CROSSVILLE, TN

ELEVATION: 1881 TDZE: 1871
AIRPORT NAME:
CROSSVILLE MEMORIAL-WHITSON FIELD

FACILITY
IDENTIFIER:
I-CSV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
ILS Z OR LOC Z RWY 26, AMDT 14
18 SEPTEMBER 2014

SUP: ILS OR LOC RWY 26

AMDT: 13A

DATED: 05/07/2009

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
	HCH	HCH	010		IF		FB					
	HCH	HYDER	020		TF		FB				AA 04700	
	HCH	HYDER	030	IAF	PI	R	FB		030.5 ()	010.0	AA 04300	
	HCH	SAYCO	040		CF		FB		255.5 ()	006.0	AA 04100	
		SAYCO	010	FACF	IF		FB				AA 04100 GI 03600	
		HYDER	020	FAF	CF		FB		255.0 ()	004.0	GI 03600 GS 03595	
		RW26	030	MAP	CF		FO		255.0 ()	005.2	AT 01927	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		255.5 ()		AA 03000	
		050		VI		FB		180.0 ()			
	HCH	060		CF		FO		123.0 ()	013.0	AA 05000	
	HCH	070		HM	R	FO		335.0 ()	001.0	AA 05000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	HCH	N354651.65	W0845842.43	N3546.861	W08458.707
	HYDER	N355840.41	W0845828.59	N3558.674	W08458.477
	SAYCO	N355947.74	W0845348.01	N3559.796	W08453.800
	RW26	N355712.28	W0850434.34	N3557.205	W08504.572
	ICSV (LOC)	N355655.55	W0850543.62	N3556.926	W08505.727

RUNWAY DATA	THRESHOLD	ELEVATION	TCH
RWY			
RW26	01867		60

CITY AND STATE
CROSSVILLE, TNELEVATION: 1881 TDZE: 1871
AIRPORT NAME:
CROSSVILLE MEMORIAL-WHITSON FIELDFACILITY
IDENTIFIER:

I-CSVPROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
ILS Z OR LOC Z RWY 26, AMDT 14
18 SEPTEMBER 2014

SUP: ILS OR LOC RWY 26

AMDT: 13A

DATED: 05/07/2009

FLIGHT STANDARDS SERVICES - FAR PART 97.25

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[illegible][illegible]

TRM	WP	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KCSVK7CCFBWP	K70	W	N35572083W085035892					W0048	NAR	CNF (CFBWP)			
SUSAP	KCSVK7CHYDER	K70	R	N35584041W084582859					W0048	NAR	HYDER OM			
SUSAP	KCSVK7CSAYCO	K70	C	N35594774W084534801					W0049	NAR	SAYCO			

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KCSVK7FL26-Z	AHCH	010HCH	K7D 0V	IF					18000		0	NS
SUSAP	KCSVK7FL26-Z	AHCH	020HYDERK7PC0E		TF				+ 04700			0	NS
SUSAP	KCSVK7FL26-Z	AHCH	030HYDERK7PC0E	AR	PI	HCH K7	0029011803050100D		+ 04300			0	NS
SUSAP	KCSVK7FL26-Z	AHCH	040SAYCOK7PC0EE		CF	ICSVK7	0755010125550060PI		+ 04100			0	NS
SUSAP	KCSVK7FL26-Z	L	010SAYCOK7PC0E	I	IF	ICSVK7	07550101	PI	+ 04100	18000		0	NS
SUSAP	KCSVK7FL26-Z	L	020HYDERK7PC0E	F	CF	ICSVK7	0754006125500040PI		+ 03600		HCH K7D	0	NS
SUSAP	KCSVK7FL26-Z	L	030CFBWP7PC0EY	M	CF	ICSVK7	0755001525500047PI		02089	-306		0	NS
SUSAP	KCSVK7FL26-Z	L	040	0 M	CA		2555		+ 03000			0	NS
SUSAP	KCSVK7FL26-Z	L	050	0	VI		1800					0	NS
SUSAP	KCSVK7FL26-Z	L	060HCH	K7D 0VY	CF	HCH K7	0000000012300130D		+ 05000			0	NS
SUSAP	KCSVK7FL26-Z	L	070HCH	K7D 0VE R	HM		3350T010		+ 05000			0	NS

[illegible][illegible][illegible]

ELEVATION: 1881	TDZE: 1871
AIRPORT NAME: CROSSVILLE MEMORIAL-WHITSON FIELD	

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
ILS Z OR LOC Z RWY 26, AMDT 14
 18 SEPTEMBER 2014

DATED: 05/07/2009

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 KCSVK7SHCH K7D

0 18018004325

M

CITY AND STATE
CROSSVILLE, TN

ELEVATION: 1881 TDZE: 1871
AIRPORT NAME:
CROSSVILLE MEMORIAL-WHITSON FIELD

FACILITY
IDENTIFIER:

I-CSV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
ILS Z OR LOC Z RWY 26, AMDT 14
18 SEPTEMBER 2014

ILS OR LOC RWY 26
SUP:

AMDT: 13A

DATED: 05/07/2009

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
	HCH	HCH	010		IF		FB					
	HCH	HYDER	020		TF		FB				AA 04700	
	HCH	HYDER	030	IAF	PI	R	FB		030.5 ()	010.0	AA 04300	
	HCH	SAYCO	040		CF		FB		255.5 ()	006.0	AA 04100	
		SAYCO	010	FACF	IF		FB				AA 04100	
		HYDER	020	FAF	CF		FB		255.0 ()	004.0	AA 03600	
		CFBWP	030	MAP	CF		FO		255.0 ()	004.7	AT 02089	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		255.5 ()		AA 03000	
		050		VI		FB		180.0 ()			
	HCH	060		CF		FO		123.0 ()	013.0	AA 05000	
	HCH	070		HM	R	FO		335.0 ()	011.0	AA 05000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	HCH	N354651.65	W0845842.43	N3546.861	W08458.707
	CFBWP	N355720.83	W0850358.92	N3557.347	W08503.982
	HYDER	N355840.41	W0845828.59	N3558.674	W08458.477
	SAYCO	N355947.74	W0845348.01	N3559.796	W08453.800
	RW26	N355712.28	W0850434.34	N3557.205	W08504.572
	ICSV (LOC)	N355655.55	W0850543.62	N3556.926	W08505.727

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW26	01867	60

CITY AND STATE
CROSSVILLE, TNELEVATION: 1881 TDZE: 1871
AIRPORT NAME:
CROSSVILLE MEMORIAL-WHITSON FIELDFACILITY
IDENTIFIER:

I-CSVPROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
ILS Z OR LOC Z RWY 26, AMDT 14
18 SEPTEMBER 2014SUP: ILS OR LOC RWY 26
AMDT: 13A
DATED: 05/07/2009

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: RW13 CLIMB TO 2600 DIRECT FOSIM AND HOLD. ADDITIONAL FLIGHT DATA: HOLD SE, LT, 308.61 INBOUND. CHART FAS OBST: 534 ANT LTD 282823N/0991355W DISTANCE TO THLD FROM 250 HAT: 0.64 NM. WAAS CHANNEL # 61236 REFERENCE PATH ID: W13A CHART CIRCLING ICON. LTP HAE: 119.7 M											
CISKU (IF/IAF) BUYAT (FAF) AKEES/1.60 NM TO RW13 RW13 (MAP) 724 MSL	BUYAT (FB) AKEES/1.60 NM TO RW13 (FB) RW13 (MAP) (FO) 724 MSL FOSIM (FO)	128.47 / 6.00 128.51 / 3.36 128.51 / 1.60 128.51	2100 2600												
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF)				MAG VAR: 6E EPOCH YEAR: 2005											
2. HOLD NW CISKU, RT, 128.47 INBOUND, 2600 FT. IN LIEU OF PT (IAF)															
3. FAC: 128.51 FAF: BUYAT DIST FAF TO MAP: 4.96 THLD: 4.96															
4. MIN. ALT: CISKU 2600, BUYAT 2100, AKEES/1.60 NM TO RW13 1020*															
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: 2100 GS ALT AT: BUYAT 2100 OM: <u> </u> MM: <u> </u> IM: <u> </u>															
7. GS ANGLE: 3.00 TCH: 45.0 34:1 IS NOT CLEAR															
8. MSA FROM: <u> </u>															
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	724	1	250	724	1	250	724	1	250			NA			
LNAV/VNAV DA	724	1	250	724	1	250	724	1	250			NA			
LNAV MDA	800	1	326	800	1	326	800	1	326			NA			
CIRCLING	920	1	446	940	1	466	1120	1 3/4	646			NA			
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -5C (23F) OR ABOVE 54C (130F). CHART NOTE: DME/DME RNP-0.3 NA. *LNAV ONLY CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. CHART NOTE: NIGHT LANDING: RWY 13 NA.															
CITY AND STATE COTULLA, TX		ELEVATION: 474 TDZE: 474 AIRPORT NAME: COTULLA-LA SALLE COUNTY		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 13, AMDT 2 18 SEPTEMBER 2014				SUP: AMDT: 1 DATED 02/16/2006					

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.

TAA

	FROM	TO	ALT
1.	038/30 CW 218/30 (NOPT)	CISKU (IF/IAF) (FB)	2600
2.	218/30 CW 038/30	CISKU (IF/IAF) (FO)	2600

CITY AND STATE

COTULLA, TX

ELEVATION: 474

TDZE: 474

AIRPORT NAME:

COTULLA-LA SALLE COUNTY

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 13, AMDT 2

18 SEPTEMBER 2014

SUP:

AMDT: 1

DATED: 02/16/2006

**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 INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KCOT
RUNWAY	RW13
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W13A
LTP/FTP LATITUDE	282741.4800N
LTP/FTP LONGITUDE	0991326.0190W
LTP/FTP ELLIPSOIDAL HEIGHT	+01197
FPAP LATITUDE	282638.8145N
FPAP LONGITUDE	0991213.9770W
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	0920
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
 <u>CRC REMAINDER</u>	 36C931B6

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+01446
FPAP ORTHOMETRIC HEIGHT	+01446

CITY AND STATE
COTULLA, TX

ELEVATION: 474 TDZE: 474
AIRPORT NAME:
COTULLA-LA SALLE COUNTY

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 13, AMDT 2
18 SEPTEMBER 2014

SUP:	
AMDT:	1
DATED:	02/16/2006

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 KCOTK4FR13	ACISKU	010CISKUK4EA0EE	AR	HF			12850040	+	02600	18000		A	JS
SUSAP KCOTK4FR13	R	010CISKUK4EA0E	I	IF				+	02600	18000		A	JS
SUSAP KCOTK4FR13	R	020BUYATK4EA1E	F	051TF			12850060	+	02100			A	JS
SUSAP KCOTK4FR13	R	020BUYATK4EA2WALPV			ALNAV/VNAV	ALNAV							JS
SUSAP KCOTK4FR13	R	021AKEESK4EA0E	S	031TF			12850034	V	0102001029	-300		A	JS
SUSAP KCOTK4FR13	R	030RW13	K4PGOGY	M	031TF		12850016		00519	-300		A	JS
SUSAP KCOTK4FR13	R	040		O	M	CA	1285	+	00724			A	JS
SUSAP KCOTK4FR13	R	050FOSIMK4EA0EY		DF				+	02600			A	JS
SUSAP KCOTK4FR13	R	060FOSIMK4EA0EE	L	HM			30860040	+	02600			A	JS

[illegible][illegible]

CITY AND STATE COTULLA, TX	ELEVATION: 474	TDZE: 474	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 13, AMDT 2 18 SEPTEMBER 2014	SUP:
	AIRPORT NAME: COTULLA-LA SALLE COUNTY				AMDT: 1
					DATED: 02/16/2006

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
	CISKU	CISKU	010	IAF	HF	R	FO		128.5(134.5T)	004.0	AA 02600	
		CISKU	010	FACF	IF		FB				AA 02600	
		BUYAT	020	FAF	TF		FB	0.5	128.5(134.5T)	006.0	AA 02100	
		AKES	021	SDF	TF		FB	0.3	128.5(134.5T)	003.4	AA 01020 GS 01029	
		RW13	030	MAP	TF		FO	0.3	128.5(134.5T)	001.6	AT 00519	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		128.5(134.5T)		AA 00724	
	FOSIM	050		DF		FO				AA 02600	
	FOSIM	060		HM	L	FO		308.6(314.6T)	004.0	AA 02600	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	AKES	N282848.99	W0991443.67	N2828.817	W09914.728
	BUYAT	N283110.86	W0991726.99	N2831.181	W09917.450
	CISKU	N283523.80	W0992218.63	N2835.397	W09922.311
	FOSIM	N281913.79	W0990343.28	N2819.230	W09903.721
	RW13	N282741.48	W0991326.02	N2827.691	W09913.434

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW13	00474	45

CITY AND STATE COTULLA, TX	ELEVATION: 474	TDZE: 474	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME: COTULLA-LA SALLE COUNTY		RNAV	RNAV (GPS) RWY 13, AMDT 2	AMDT: 1
				18 SEPTEMBER 2014	DATED: 02/16/2006

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			
FROM	TO	COURSE AND DISTANCE	ALTITUDE
FOSIM (IF/IAF)	NESBE (FB)	308.61 / 6.00	2100
NESBE (FAF)	ADYTA/2.50 NM TO RW31 (FB)	308.57 / 2.54	
ADYTA/2.50 NM TO RW31	RW31 (MAP)	308.57 / 2.50	
RW31 (MAP)	714 MSL	308.57	
714 MSL	CISKU (FO)		2600

1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)

2. HOLD SE FOSIM, LT, 308.61 INBOUND, 2600 FT. IN LIEU OF PT (IAF)

3. FAC: 308.57 FAF: NESBE DIST FAF TO MAP: 5.04 THLD: 5.04

4. MIN. ALT: FOSIM 2600, NESBE 2100, ADYTA/2.50 NM TO RW31 1280*

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

6. MIN GS INCPT: 2100 GS ALT AT: NESBE 2100 OM: MM: IM:

7. GS ANGLE: 3.00 TCH: 45.0 34:1 IS CLEAR

8. MSA FROM:

LPV: DA
LNAV/VNAV: DA
LNAV: RW31

CLIMB TO 2600 DIRECT CISKU AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD NW, RT, 128.47 INBOUND.
CHART FAS OBST: 531 TREE 282604N/0991037W
DISTANCE TO THLD FROM 250 HAT: 0.64 NM.
CHART VDP AT 0.95 MILES TO RW31*
*LNAV ONLY.
WAAS CHANNEL # 42836
REFERENCE PATH ID: W31A
CHART CIRCLING ICON.
LTP HAE: 112.7 M

MAG VAR: 6E EPOCH YEAR: 2005

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	714	3/4	250	714	3/4	250	714	3/4	250						
LNAV/VNAV DA	714	3/4	250	714	3/4	250	714	3/4	250						
LNAV MDA	800	1	336	800	1	336	800	1	336						
CIRCLING	920	1	446	940	1	466	1120	1 3/4	646						

NOTES:
 CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -5C (23F) OR ABOVE 54C (130F).
 CHART NOTE: DME/DME RNP-0.3 NA.

CITY AND STATE COTULLA, TX	ELEVATION: 474 TDZE: 464 AIRPORT NAME: COTULLA-LA SALLE COUNTY	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 31, AMDT 2 18 SEPTEMBER 2014	SUP: AMDT: 1 DATED 02/16/2006

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.	219/30 CW 039/30 (NOPT)	FOSIM (IF/IAF) (FB)	2600
2.	039/30 CW 219/30	FOSIM (IF/IAF) (FO)	2600

CITY AND STATE
COTULLA, TX

ELEVATION: 474 TDZE: 464
AIRPORT NAME:
COTULLA-LA SALLE COUNTY

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 31, AMDT 2
18 SEPTEMBER 2014

SUP:
AMDT: 1
DATED: 02/16/2006

**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 INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KCOT
RUNWAY	RW31
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W31A
LTP/FTP LATITUDE	282659.7815N
LTP/FTP LONGITUDE	0991238.0730W
LTP/FTP ELLIPSOIDAL HEIGHT	+01127
FPAP LATITUDE	282802.4370N
FPAP LONGITUDE	0991350.1305W
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	0920
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

<u>CRC REMAINDER</u>	C2399AAA

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+01375
FPAP ORTHOMETRIC HEIGHT	+01375

CITY AND STATE

COTULLA, TX

ELEVATION: 474

TDZE: 464

AIRPORT NAME:

COTULLA-LA SALLE COUNTY

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 31, AMDT 2

18 SEPTEMBER 2014

SUP:

AMDT: 1

DATED: 02/16/2006

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	KCOTK4FR31	AFOSIM	010FOSIMK4EA0EE	AL	HF		30860040	+	02600	18000		A	JS
SUSAP	KCOTK4FR31	R	010FOSIMK4EA0E	I	IF			+	02600	18000		A	JS
SUSAP	KCOTK4FR31	R	020NESBEK4EA1E	F	051TF		30860060	+	02100			A	JS
SUSAP	KCOTK4FR31	R	020NESBEK4EA2WALPV			ALNAV/VNAV						JS	
SUSAP	KCOTK4FR31	R	021ADYTAK4EA0E	S	031TF		30860025	V	0128001292		-300	A	JS
SUSAP	KCOTK4FR31	R	030RW31	K4PGOG	M	031TF	30860025		00496		-300	A	JS
SUSAP	KCOTK4FR31	R	040		0	M	3086	+	00714			A	JS
SUSAP	KCOTK4FR31	R	050CISKUK4EA0EY		DF			+	02600			A	JS
SUSAP	KCOTK4FR31	R	060CISKUK4EA0EE	R	HM		12850040	+	02600			A	JS

[illegible][illegible]

CITY AND STATE COTULLA, TX	ELEVATION: 474 TDZE: 464 AIRPORT NAME: COTULLA-LA SALLE COUNTY	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 31, AMDT 2 18 SEPTEMBER 2014	SUP:
				AMDT: 1
				DATED: 02/16/2006

QUALITY
CHECKED

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
	FOSIM	FOSIM	010	IAF	HF	L	FO		308.6 (314.6T)	004.0	AA 02600	
		FOSIM	010	FACF	IF		FB				AA 02600	
		NESBE	020	FAF	TF		FB	0.5	308.6 (314.6T)	006.0	AA 02100	
		ADYTA	021	SDF	TF		FB	0.3	308.6 (314.6T)	002.5	AA 01280	GS 01292
		RW31	030	MAP	TF		FB	0.3	308.6 (314.6T)	002.5	AT 00496	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		308.6 (314.6T)		AA 00714	
	CISKU	050		DF		FO				AA 02600	
	CISKU	060		HM	R	FO		128.5 (134.5T)	004.0	AA 02600	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	ADYTA	N282514.28	W0991036.82	N2825.238	W09910.614
	CISKU	N283523.80	W0992218.63	N2835.397	W09922.311
	FOSIM	N281913.79	W0990343.28	N2819.230	W09903.721
	NESBE	N282327.20	W0990833.86	N2823.453	W09908.564
	RW31	N282659.78	W0991238.07	N2826.996	W09912.635

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW31	00451	45

A
CHECKED

CITY AND STATE COTULLA, TX	ELEVATION: 474	TDZE: 464	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 31, AMDT 2 18 SEPTEMBER 2014	SUP:
	AIRPORT NAME: COTULLA-LA SALLE COUNTY		RNAV		AMDT: 1
					DATED: 02/16/2006

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

Bearings, headings, courses, tracks and radials are magnetic. Elevation and altitudes are in feet MSL. Altitudes are minimum altitudes unless otherwise indicated.
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.
COTULLA, TX	COTULLA-LA SALLE COUNTY	18 SEPTEMBER 2014	1

TAKEOFF MINIMUMS:

RWY 13, 31 STANDARD

TEXTUAL DEPARTURE PROCEDURES:

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 13, TREES BEGINNING 4 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 20 FT AGL/465 FT MSL. VEHICLES ON UNLIT ROADWAY, BEGINNING 55 FT FROM DER, 507 FT LEFT OF CENTERLINE, UP TO 15 FT AGL/482 FT MSL. TREES BEGINNING 142 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 20 FT AGL/482 FT MSL. TREES BEGINNING 622 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 24 FT AGL/480 FT MSL. POLE 1002 FT FROM DER, 548 FT LEFT OF CENTERLINE, 33 FT AGL/488 FT MSL.

NOTE: RWY 31, FENCE .08 FT FROM DER, 310 FT RIGHT OF CENTERLINE, 3 FT AGL/476 FT MSL. TREES BEGINNING 19 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 13 FT AGL/485 FT MSL. TREES BEGINNING 178 FT FROM DER, 311 FT RIGHT OF CENTERLINE, UP TO 16 FT AGL/490 FT MSL. TREES BEGINNING 380 FT FROM DER, 386 FT RIGHT OF CENTERLINE, UP TO 21 FT AGL/493 FT MSL.

CONTROLLING OBSTACLES:

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.
COTULLA, TX	COTULLA-LA SALLE COUNTY	18 SEPTEMBER 2014	1

REMARKS:

FLIGHT INSPECTED BY:

Anthony Vallera 8/5/14

REQUIRED EFFECTIVE DATE:

ROUTINE

DEVELOPED BY:

JILL OLSON
(MICAH DOEDEN) 2/9/14

APPROVED BY:

GEORGE GONZALEZ 8/5/14

COORDINATED WITH:

ALPA, AOPA, NBAA, CENTRAL FPT, ATO.

CHANGES:

1. UPDATED TAKEOFF OBSTACLE NOTES.

REASONS:

1. NEW OBSTACLE SURVEY.

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: RW33 CLIMB TO 1500 THEN CLIMBING RIGHT TURN TO 5000 DIRECT FINGR AND HOLD. ADDITIONAL FLIGHT DATA: HOLD NE, LT, 226.00 INBOUND. CHART FAS OBST: 975 BLDG 325541N/0964920W CHART VDP AT 1.69 MILES TO RW33. PORTR TO RW33: 3.03/54. CHART CIRCLING ICON							
LEMYN		WIBEL (FB)			161.90 / 17.67			3000									
DUMPY		KEFDE (FB)			306.95 / 9.70			3000									
WIBEL (IAF)		YODUN (FB)			241.38 / 10.00			2200									
KEFDE (IAF)		YODUN (FB)			307.39 / 5.00			2200									
YODUN (IF)		PORTR (FB)			309.87 / 6.03			2000									
PORTR (FAF)		RW33 (MAP) (FO)			334.81 / 4.05												
RW33 (MAP)		1500 MSL			334.81			1500									
1500 MSL		FINGR (FO)						5000									
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. PROFILE STARTS AT YODUN 3. FAC: 334.81 FAF: PORTR DIST FAF TO MAP: 4.05 THLD: 4.05 4. MIN. ALT: YODUN 2200, PORTR 2000 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: RW33 3600											MAG VAR: 5E		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		
LNAV MDA	1240	1	595	1240	1	595	1240	1 3/4	595	1240	1 3/4	595					
CIRCLING	1240	1	595	1240	1	595	1280	1 3/4	635	1400	2 1/2	755					
NOTES: CHART NOTE: DME/DME RNP-0.3 NA. CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT. CHART NOTE: VDP NA WITH DALLAS-LOVE FIELD ALTIMETER SETTING. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. (SEE FORM 8260-10)																	
CITY AND STATE DALLAS, TX				ELEVATION: 645 TDZE: 645 AIRPORT NAME: ADDISON				FACILITY IDENTIFIER: RNAV				PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 33, AMDT 2 18 SEPTEMBER 2014				SUP:	
																AMDT: 1A	
																DATED 01/09/2014	



**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.

NOTES, (CONT.):

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE DALLAS-LOVE FIELD ALTIMETER SETTING AND INCREASE ALL MDA 40 FEET, INCREASE LNAV CAT C/D VISIBILITY 1/8 MILE, CIRCLING CAT C VISIBILITY 1/4 MILE.

QUALITY
14
CHECKED

CITY AND STATE

DALLAS, TX

ELEVATION: 645

TDZE: 645

AIRPORT NAME:

ADDISON

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 33, AMDT 2

18 SEPTEMBER 2014

SUP:

AMDT: 1A

DATED: 01/09/2014

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.

	1	2	3	4	5	6	7	8	9	0	1	2	3
WP	1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAEAENRT	DUMPY K40	C	L	N32394390W096301892				E0034	NAR	DUMPY			
SUSAEAENRT	FINGR K40	C	B	N33154765W096200179				E0033	NAR	FINGR			
SUSAEAENRT	KEFDE K40	W		N32461357W096385244				E0035	NAR	KEFDE			
SUSAEAENRT	LEMYN K40	W	L	N33105230W096370844				E0035	NAR	LEMYN			
SUSAEAENRT	PORTR K40	C		N32535176W096481994				E0036	NAR	PORTR			
SUSAEAENRT	WIBEL K40	W		N32533750W096322301				E0034	NAR	WIBEL			
SUSAEAENRT	YODUN K40	W		N32493614W096431539				E0036	NAR	YODUN			

[illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KADSK4FR33	ADUMPY	010DUMPYK4EA0E	IF						18000		B JS	
SUSAP	KADSK4FR33	ADUMPY	020KEFDEK4EA0E	A 020TF			30700097	+	03000			B JS	
SUSAP	KADSK4FR33	ADUMPY	030YODUNK4EA0EE	B 010TF			30740050	+	02200			B JS	
SUSAP	KADSK4FR33	ALEMYN	010LEMYNK4EA0E	IF						18000		B JS	
SUSAP	KADSK4FR33	ALEMYN	020WIBELK4EA0E	A 020TF			16190177	+	03000			B JS	
SUSAP	KADSK4FR33	ALEMYN	030YODUNK4EA0EE	B 010TF			24140100	+	02200			B JS	
SUSAP	KADSK4FR33	R	010YODUNK4EA0E	I IF				+	02200	18000		B JS	
SUSAP	KADSK4FR33	R	020PORTRK4EA1E	F 051TF			30990060	+	02000		RW33	K4PGB	JS
SUSAP	KADSK4FR33	R	020PORTRK4EA2WN		N	ALNAV						JS	
SUSAP	KADSK4FR33	R	030RW33 K4PG0GY	M 031TF			33480041		00693		-303	B JS	
SUSAP	KADSK4FR33	R	040	0 M CA			3348	+	01500			B JS	
SUSAP	KADSK4FR33	R	050FINGRK4EA0EY	R DF				+	05000			B JS	
SUSAP	KADSK4FR33	R	060FINGRK4EA0EE	L HM			22600050	+	05000			B JS	

[illegible][illegible]

QUALITY
9
CHECKED

CITY AND STATE DALLAS, TX	ELEVATION: 645	TDZE: 645	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME: ADDISON			RNAV (GPS) RWY 33, AMDT 2	AMDT: 1A
				18 SEPTEMBER 2014	DATED: 01/09/2014

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
	DUMPY	DUMPY	010		IF		FB					
	DUMPY	KEFDE	020	IAF	TF		FB	2.0	307.0 (312.0T)	009.7	AA 03000	
	DUMPY	YODUN	030		TF		FB	1.0	307.4 (312.4T)	005.0	AA 02200	
	LEMYN	LEMYN	010		IF		FB					
	LEMYN	WIBEL	020	IAF	TF		FB	2.0	161.9 (166.9T)	017.7	AA 03000	
	LEMYN	YODUN	030		TF		FB	1.0	241.4 (246.4T)	010.0	AA 02200	
		YODUN	010	FACF	IF		FB				AA 02200	
		PORTR	020	FAF	TF		FB	0.5	309.9 (314.9T)	006.0	AA 02000	
		RW33	030	MAP	TF		FO	0.3	334.8 (339.8T)	004.1	AT 00693	
MISSED APPROACH		FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
			040		CA		FB		334.8 (339.8T)		AA 01500	
		FINGR	050		DF	R	FO				AA 05000	
		FINGR	060		HM	L	FO		226.0 (231.0T)	005.0	AA 05000	
POINT DATA		WAYPOINT	LAT IN SECS		LONG IN SECS		LAT IN MINS		LONG IN MINS			
		DUMPY	N323943.90		W0963018.92		N3239.732		W09630.315			
		FINGR	N331547.65		W0962001.79		N3315.794		W09620.030			
		KEFDE	N324613.57		W0963852.44		N3246.226		W09638.874			
		LEMYN	N331052.30		W0963708.44		N3310.872		W09637.141			
		PORTR	N325351.76		W0964819.94		N3253.863		W09648.332			
		WIBEL	N325337.50		W0963223.01		N3253.625		W09632.384			
		YODUN	N324936.14		W0964315.39		N3249.602		W09643.257			
		RW33	N325740.53		W0964959.75		N3257.676		W09649.996			
RUNWAY DATA		RWY	THRESHOLD ELEVATION		TCH							
		RW33	00639		54							



CITY AND STATE DALLAS, TX	ELEVATION: 645	TDZE: 645	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME:		RNAV	RNAV (GPS) RWY 33, AMDT 2	AMDT: 1A
	ADDISON			18 SEPTEMBER 2014	DATED: 01/09/2014

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.
DALLAS, TX	ADDISON	18 SEPTEMBER 2014	6

TAKEOFF MINIMUMS:

RWY 33, STANDARD.

RWY 15, 400-2 1/2 OR STANDARD WITH MINIMUM CLIMB OF 325 FT PER NM TO 1100.

TEXTUAL DEPARTURE PROCEDURES:

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 15, VEHICLES ON ROAD AND IN PARKING LOTS, RAILROADS, AND POLES BEGINNING 168 FT FROM DER, 118 FT RIGHT OF CENTERLINE, UP TO 36 FT AGL/665 FT MSL. NAVAID, SIGN, VEHICLES IN PARKING LOTS, RAILROADS, POLES, TREES, AND BUILDINGS BEGINNING 316 FT FROM DER, 1 FT LEFT OF CENTERLINE, UP TO 50 FT AGL/683 FT MSL. POLE AND TREES BEGINNING 1705 FT FROM DER, 46 FT RIGHT OF CENTERLINE, UP TO 59 FT AGL/690 FT MSL. BUILDINGS BEGINNING 3191 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 149 FT AGL/787 FT MSL. BUILDING 1.1 NM FROM DER, 279 FT LEFT OF CENTERLINE, 229 FT AGL/850 FT MSL. BUILDING 1.9 NM FROM DER, 970 FT RIGHT OF CENTERLINE, 345 FT AGL/975 FT MSL. BUILDING 2.1 NM FROM DER, 58 FT RIGHT OF CENTERLINE, 362 FT AGL/973 FT MSL.

NOTE: RWY 33, SERVICE ROAD AND BUILDINGS BEGINNING 45 FT FROM DER, 458 FT RIGHT OF CENTERLINE, UP TO 10 FT AGL/653 FT MSL. SIGN, VEHICLES IN PARKING LOTS, POLES, BUILDINGS, AND TREES BEGINNING 641 FT FROM DER, 335 FT LEFT OF CENTERLINE, UP TO 34 FT AGL/693 FT MSL. SIGN, VEHICLES ON ROAD AND IN PARKING LOTS, POLES, BUILDINGS, AND TREES BEGINNING 651 FT FROM DER, 455 FT RIGHT OF CENTERLINE, UP TO 37 FT AGL/696 FT MSL. BUILDINGS, POLES, AND TREES BEGINNING 1597 FT FROM DER, 3 FT RIGHT OF CENTERLINE, UP TO 54 FT AGL/723 FT MSL. BUILDINGS, POLES, AND TREES BEGINNING 1667 FT FROM DER, 4 FT LEFT OF CENTERLINE, UP TO 47 FT AGL/716 FT MSL.

CONTROLLING OBSTACLES:

**RWY 15: 850 FT MSL BUILDING 325629.00N/0964925.00W. 975 FT MSL BUILDING 325540.81N/0964919.57W.
973 FT MSL BUILDING 325536.93N/0964906.47W**

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.
DALLAS, TX	ADDISON	18 SEPTEMBER 2014	6

REMARKS:

FLIGHT INSPECTED BY:

Cindy Schultz 5-29-14 *[Signature]*

DEVELOPED BY:

PETER R. GUIMOND ADV-352

05/12/2014

APPROVED BY:

GEORGE GONZALES ADV-353 *[Signature]*

COORDINATED WITH:

JUL 16 2014

REQUIRED EFFECTIVE DATE:

ROUTINE

ALPA, AOPA, NBAA, ZFW, REGIONAL DEP CON, ADS TOWER, ARPT MGR

CHANGES:

1. AMENDED RWY 15 CLIMB GRADIENT FROM 324 FT PER NM TO 325 FT PER NM.
2. AMENDED RWY 15 VISIBILITY VALUE FROM 2 1/4 TO 2 1/2.
3. AMENDED RWY 15 CONTROLLING OBSTACLES.
4. AMENDED TAKEOFF OBSTACLE NOTES FOR RWY 15 AND RWY 33.

REASONS:

1. CLIMB GRADIENT ROUNDED UP TO NEXT 5 FT INCREMENT.
2. NEW OBSTACLE STUDY.
3. NEW OBSTACLE STUDY.
4. NEW OBSTACLE STUDY. NOTES FORMATTED IAW CURRENT POLICY.

[Circular stamp: 3, 05/12/2014]

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												
LIPPI INT/I-DPX 11.58 DME (IF)	LAURA INT/I-DPX 5.81 DME	129.62 / 5.77 (I-DPX)	1900	ILS: DA LOC: 4.32 MILES AFTER LAURA INT/I-DPX 5.81 DME OR AT I-DPX 1.49 DME FIX CLIMB TO 1000 THEN CLIMBING RIGHT TURN TO 3000 ON HEADING 150 AND CVE VOR/DME R-141 TO TACKE/CVE 23.03 DME AND HOLD, OR AS DIRECTED BY ATC. ALTERNATE MA: CLIMB TO 1000 THEN CLIMBING RIGHT TURN TO 3000 ON HEADING 170 AND TTT VOR/DME R-127 TO TACKE/TTT 26.50 DME AND HOLD. ADDITIONAL FLIGHT DATA: HOLD SE, RT, 321.25 INBOUND. CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD SE TACKE/TTT 26.50 DME, RT, 307.01 INBOUND. FAS OBST: 659 AAO 325346N/0965427W CHART VDP AT 2.84 DME* DISTANCE VDP TO THLD 1.35 MILES. *LOC ONLY. CHART: CIRCLING ICON CHART: DALLAS/FORT WORTH INTL											
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 LIPPI 3. FAC: <u>129.62</u> FAF: LAURA INT/I-DPX 5.81 DME DIST FAF TO MAP: <u>4.32</u> THLD: <u>4.32</u> 4. MIN. ALT: LIPPI 2500, LAURA 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>996</u> 6. MIN GS INCPT: <u>1900</u> GS ALT AT: LAURA 1900 OM: <u> </u> - MM: <u> </u> - IM: <u> </u> 7. GS ANGLE: <u>3.00</u> TCH: 47.8 8. MSA FROM: CVE VOR/DME 090-270 3600, 270-090 2700				MAG VAR: 6E EPOCH YEAR: 1990											
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 13R	678	4000	200	678	4000	200	678	4000	200	678	4000	200			
S-LOC 13R	960	5500	482	960	5500	482	960	1 3/8	482	960	1 3/8	482			
CIRCLING	1080	1	593	1140	1	653	1220	2	733	1500	3	1013			
NOTES: CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED WITH RWY 13L. CHART NOTE: DME REQUIRED. CHART PLANVIEW NOTE: RADAR REQUIRED. CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT. (SEE FORM 8260-10)															
CITY AND STATE				ELEVATION: 487 TDZE: 478		FACILITY IDENTIFIER: I-DPX		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:			
DALLAS, TX				AIRPORT NAME:		DALLAS LOVE FIELD		ILS OR LOC Y RWY 13R, AMDT 5 18 SEPTEMBER 2014				AMDT: 4E			
												DATED 08/23/2012			

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: CIRCLING TO RWY 18/36 NA. CHART NOTE: DISREGARD OUTER MARKER INDICATION.			
CITY AND STATE DALLAS, TX	ELEVATION: 487 AIRPORT NAME: DALLAS LOVE FIELD	TDZE: 478 FACILITY IDENTIFIER: I-DPX	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: ILS OR LOC Y RWY 13R, AMDT 5 18 SEPTEMBER 2014
			SUP: AMDT: 4E DATED: 08/23/2012

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.

ARINC PACKET - 424-18 - ILS

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

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KDALK4FI13RY	I	010LIPPIK4PCOE	I	IF	IDPXXK4	30960116	PI	J	025000190018000		0	DS
SUSAP	KDALK4FI13RY	I	020LAURAK4PCOE	F	CF	IDPXXK4	3096005813000058PI	H	0190001900	-300CVE	K4D	0	DS
SUSAP	KDALK4FI13RY	I	030RW13RK4PGOGY	M	CF	IDPXXK4	3096001513000043PI		00524	-300		0	DS
SUSAP	KDALK4FI13RY	I	040	0	CA		1296	+	01000			0	DS
SUSAP	KDALK4FI13RY	I	050	0	VI		1500					0	DS
SUSAP	KDALK4FI13RY	I	060TACKEK4EA0EY		CF	CVE K4	1413023014130140D	+	03000			0	DS
SUSAP	KDALK4FI13RY	I	070TACKEK4EA0EE	R	HM		3213T010	+	03000			0	DS

[illegible][illegible]

QUA 2
CHECKED

SUP:	
AMDT:	4E
DATED:	08/23/2012

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.

MSA 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012

SUSAP KDALK4SCVE K4D 0 0902700272527009003625 M

QUALITY
2
CHECKED

CITY AND STATE
DALLAS, TX

ELEVATION: 487 TDZE: 478
AIRPORT NAME:
DALLAS LOVE FIELD

FACILITY
IDENTIFIER:
I-DPX

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
ILS OR LOC Y RWY 13R, AMDT 5
18 SEPTEMBER 2014

SUP:
AMDT: 4E
DATED: 08/23/2012

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
		LIPPI	010	FACF	IF		FB				AA 02500 GI 01900	
		LAURA	020	FAF	CF		FB		130.0()	005.8	GI 01900 GS 01900	
		RW13R	030	MAP	CF		FO		130.0()	004.3	AT 00524	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		129.6()		AA 01000	
		050		VI		FB		150.0()			
	TACKE	060		CF		FO		141.3()	014.0	AA 03000	
	TACKE	070		HM	R	FO		321.3()	011.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CVE	N325325.13	W0965414.27	N3253.419	W09654.238
	IDPX (DME)	N324955.44	W0965032.13	N3249.924	W09650.536
	TACKE	N323400.00	W0963930.00	N3234.000	W09639.500
	LAURA	N325406.90	W0965519.79	N3254.115	W09655.330
	LIPPI	N325814.32	W0970007.70	N3258.239	W09700.128
	RW13R	N325101.28	W0965144.41	N3251.021	W09651.740
	IDPX (LOC)	N324956.96	W0965029.87	N3249.949	W09650.498

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW13R	00476	48

QUALITY
2
CHECKED

CITY AND STATE
DALLAS, TX

ELEVATION: 487 TDZE: 478
AIRPORT NAME:
DALLAS LOVE FIELD

FACILITY
IDENTIFIER:
I-DPX

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
ILS OR LOC Y RWY 13R, AMDT 5
18 SEPTEMBER 2014

SUP:
AMDT: 4E
DATED: 08/23/2012

FLIGHT STANDARDS SERVICES - FAR PART 97.25

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ARINC PACKET - 424-18 - LOC

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

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KDALK4FL13RY	L	010LIPPIK4PC0E	I	IF	IDPXXK4	30960116	PI	+	02500	18000	0	DS
SUSAP	KDALK4FL13RY	L	020LAURAK4PC0E	F	CF	IDPXXK4	3096005813000058PI	+	01900		CVE	K4D	0 DS
SUSAP	KDALK4FL13RY	L	030RW13RK4PG0GY	M	CF	IDPXXK4	3096001513000043PI		00524	-301		0	DS
SUSAP	KDALK4FL13RY	L	040	0	M	CA	1296	+	01000			0	DS
SUSAP	KDALK4FL13RY	L	050	0		VI	1500					0	DS
SUSAP	KDALK4FL13RY	L	060TACKEK4EA0EY		CF	CVE K4	1413023014130140D	+	03000			0	DS
SUSAP	KDALK4FL13RY	L	070TACKEK4EA0EE	R	HM		3213T010	+	03000			0	DS

[illegible][illegible]

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

SUP:	
AMDT:	4E
DATED:	08/23/2012

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]

SUSAP KDALK4SCVE K4D

0 0902700272527009003625

M

SUP:	
AMDT:	4E
DATED:	08/23/2012

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

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
		LIPPI	010	FACF	IF		FB				AA 02500	
		LAURA	020	FAP	CF		FB		130.0 ()	005.8	AA 01900	
		RW13R	030	MAP	CF		FO		130.0 ()	004.3	AT 00524	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		129.6 ()		AA 01000	
		050		VI		FB		150.0 ()			
	TACKE	060		CF		FO		141.3 ()	014.0	AA 03000	
	TACKE	070		HM	R	FO		321.3 ()	T01.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CVE	N325325.13	W0965414.27	N3253.419	W09654.238
	IDPX (DME)	N324955.44	W0965032.13	N3249.924	W09650.536
	TACKE	N323400.00	W0963930.00	N3234.000	W09639.500
	LAURA	N325406.90	W0965519.79	N3254.115	W09655.330
	LIPPI	N325814.32	W0970007.70	N3258.239	W09700.128
	RW13R	N325101.28	W0965144.41	N3251.021	W09651.740
	IDPX (LOC)	N324956.96	W0965029.87	N3249.949	W09650.498

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW13R	00476	48

2
CHECK

CITY AND STATE
DALLAS, TX

ELEVATION: 487 TDZE: 478
AIRPORT NAME:
DALLAS LOVE FIELD

FACILITY
IDENTIFIER:
I-DPX

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
ILS OR LOC Y RWY 13R, AMDT 5
18 SEPTEMBER 2014

SUP:
AMDT: 4E
DATED: 08/23/2012

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.								
TERMINAL ROUTES										MISSED APPROACH						
FROM		TO		COURSE AND DISTANCE			ALTITUDE		LPV: DA LNAV: RW31L							
ORVLL		CEMPI (FB)		307.08 / 13.66			3000		CLIMB TO 1700 THEN CLIMBING RIGHT TURN TO 4000 DIRECT TADDI AND HOLD.							
YEAGR		CEMPI (FB)		273.33 / 12.09			3000									
CEMPI (IAF)		MYLES (FB)		309.78 / 5.00			2500									
MYLES (IF)		JAKID (FB)		309.74 / 9.99			2200									
JAKID (FAF)		GIYET/3.30 NM TO RW31L (FB)		309.67 / 1.73												
GIYET/3.30 NM TO RW31L (SEE FORM 8260-10)		RW31L (MAP) (FO)		309.67 / 3.30					ADDITIONAL FLIGHT DATA: HOLD S, RT, 016.41 INBOUND. CHART FAS OBST: 1049 BLDG 324820N/0964733W CHART 1167 BLDG 324715N/0964757W. DISTANCE TO THLD FROM 293 HAT: 0.72 NM. CHART VDP AT 2.53 MILES TO RW31L* *LNAV ONLY. WAAS CHANNEL # 72808 REFERENCE PATH ID: W31A CHART CIRCLING ICON LTP HAE: 118.6 M							
1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)										MAG VAR: 6E EPOCH YEAR: 1990						
2. PROFILE STARTS AT MYLES																
3. FAC: 309.67 FAF: JAKID DIST FAF TO MAP: 5.03 THLD: 5.03																
4. MIN. ALT: MYLES 2500, JAKID 2200, GIYET/3.30 NM TO RW31L 1620*																
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____																
6. MIN GS INCPT: 2200 GS ALT AT: JAKID 2200 OM: ____ MM: ____ IM: ____																
7. GS ANGLE: 3.08 TCH: 56.0 34:1 IS CLEAR																
8. MSA FROM: RW31L 3600																
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	769	2400	293	769	2400	293	769	2400	293	769	2400	293				
LNAV MDA	1360	4000	884	1360	4000	884	1360	2	884	1360	2	884				
CIRCLING	1020	1 1/4	533	1100	1 1/4	613	1220	2 1/2	733	1500	3	1013				
NOTES: CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: FOR INOPERATIVE MALSR, INCREASE LPV ALL CATS VISIBILITY TO RVR 4500. CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED WITH RWY 31R. CHART NOTE: NIGHT LANDING: RWY 18, 36 NA. (SEE FORM 8260-10)																
CITY AND STATE DALLAS, TX		ELEVATION: 487 TDZE: 476 AIRPORT NAME: DALLAS LOVE FIELD			FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) Y RWY 31L, AMDT 1B 18 SEPTEMBER 2014					SUP: RNAV (GPS) RWY 31L AMDT: 1A DATED 06/28/2012				

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.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
RW31L (MAP)	1700 MSL	309.67	1700
1700 MSL	TADDI (FO)		4000

NOTES, (CONT.):

CHART NOTE: LNAV PROCEDURE NA DURING SIMULTANEOUS OPERATIONS.

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

QUALITY
9
CHECKED

CITY AND STATE
DALLAS, TX

ELEVATION: 487 TDZE: 476
AIRPORT NAME:
DALLAS LOVE FIELD

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) Y RWY 31L, AMDT 1B
18 SEPTEMBER 2014

SUP: RNAV (GPS) RWY
31L
AMDT: 1A
DATED: 06/28/2012

**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	KDAL
RUNWAY	RW31L
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	Y
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W31A
LTP/FTP LATITUDE	325002.5060N
LTP/FTP LONGITUDE	0965036.2950W
LTP/FTP ELLIPSOIDAL HEIGHT	+01186
FPAP LATITUDE	325106.3200N
FPAP LONGITUDE	0965150.2600W
THRESHOLD CROSSING HEIGHT (TCH)	00056.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.08
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0072
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER

80E896C6

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+01451
FPAP ORTHOMETRIC HEIGHT	+01451

QUALITY
9
CHECKED

CITY AND STATE

DALLAS, TX

ELEVATION: 487

TDZE: 476

AIRPORT NAME:

DALLAS LOVE FIELD

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) Y RWY 31L, AMDT 1B

18 SEPTEMBER 2014

SUP: **RNAV (GPS) RWY
31L**AMDT: **1A**DATED: **06/28/2012**

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

QUALITY
9
CHECKED

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

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QUALITY
9
CHECKED

CITY AND STATE DALLAS, TX	ELEVATION: 487 AIRPORT NAME: DALLAS LOVE FIELD	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) Y RWY 31L, AMDT 1B 18 SEPTEMBER 2014	SUP: RNAV (GPS) RWY 31L
				AMDT: 1A
				DATED: 06/28/2012

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
	ORVLL	ORVLL	010		IF		FB					
	ORVLL	CEMPI	020	IAF	TF		FB	2.0	307.1 (313.1T)	013.7	AA 03000	
	ORVLL	MYLES	030		TF		FB	1.0	309.8 (315.8T)	005.0	AA 02500	
	YEAGR	YEAGR	010		IF		FB					
	YEAGR	CEMPI	020	IAF	TF		FB	2.0	273.3 (279.3T)	012.1	AA 03000	
	YEAGR	MYLES	030		TF		FB	1.0	309.8 (315.8T)	005.0	AA 02500	
		MYLES	010	FACF	IF		FB				AA 02500	
		JAKID	020	FAF	TF		FB	0.5	309.7 (315.7T)	010.0	AA 02200	
		GIYET	021	SDF	TF		FB	0.3	309.7 (315.7T)	001.7	AA 01620	GS 01621
		RW31L	030	MAP	TF		FO	0.3	309.7 (315.7T)	003.3	AT 00532	
MISSED APPROACH		FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
			040		CA		FB		309.7 (315.7T)		AA 01700	
		TADDI	050		DF	R	FO				AA 04000	
		TADDI	060		HM	R	FO		016.4 (022.4T)	004.0	AA 04000	
POINT DATA		WAYPOINT	LAT IN SECS		LONG IN SECS		LAT IN MINS		LONG IN MINS			
		CEMPI	N323540.82		W0963401.79		N3235.680		W09634.030			
		GIYET	N324740.66		W0964752.05		N3247.678		W09647.868			
		JAKID	N324626.18		W0964625.88		N3246.436		W09646.431			
		MYLES	N323916.19		W0963809.61		N3239.270		W09638.160			
		ORVLL	N322620.57		W0962213.31		N3226.343		W09622.222			
		TADDI	N332332.88		W0963925.39		N3323.548		W09639.423			
		YEAGR	N323343.76		W0961954.28		N3233.729		W09619.905			
		RW31L	N325002.51		W0965036.30		N3250.042		W09650.605			
RUNWAY DATA		THRESHOLD										
		RWY	ELEVATION	TCH								
		RW31L	00476	50								
CITY AND STATE		ELEVATION: 487		TDZE: 476		FACILITY IDENTIFIER:		PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:		SUP: RNAV (GPS) RWY 31L		
DALLAS, TX		AIRPORT NAME:		DALLAS LOVE FIELD		RNAV		RNAV (GPS) Y RWY 31L, AMDT 1B		AMDT: 1A		
								18 SEPTEMBER 2014		DATED: 06/28/2012		



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: RW31R CLIMBING RIGHT TURN TO 5000 DIRECT FINGER AND HOLD. ADDITIONAL FLIGHT DATA: HOLD NE, LT, 226.00 INBOUND. CHART FAS OBST: 763 BLDG 324852N/0964805W CHART FAS OBST: 707 TANK 324932N/0964906W CHART 1194 BLDG 324717N/0964748W. DISTANCE TO THLD FROM 200 HAT: 0.47 NM. CHART VDP AT 1.51 MILES TO RW31R* *LNAV ONLY. WAAS CHANNEL # 87123 REFERENCE PATH ID: W31B CHART CIRCLING ICON LTP HAE: 121.8 M						
ORVLL		GEVME (FB)			309.23 / 15.56			3000								
YEAGR		GEVME (FB)			279.90 / 13.43			3000								
GEVME (IAF)		FACIA (FB)			309.67 / 5.00			2500								
FACIA (IF)		DATLE (FB)			309.77 / 8.07			2200								
DATLE (FAF)		FELEB/2.60 NM TO RW31R (FB)			309.69 / 2.63											
FELEB/2.60 NM TO RW31R		RW31R (MAP) (FO)			309.69 / 2.60											
(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 FACIA 3. FAC: <u>309.69</u> FAF: <u>DATLE</u> DIST FAF TO MAP: <u>5.23</u> THLD: <u>5.23</u> 4. MIN. ALT: FACIA 2500, DATLE 2200, FELEB/2.60 NM TO RW31R 1340* 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>2200</u> GS ALT AT: <u>DATLE 2200</u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u>3.00</u> TCH: <u>49.2</u> 34:1 IS CLEAR 8. MSA FROM: RW31R 3600																
										MAG VAR: 6E			EPOCH YEAR: 1990			
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	687	2400	200	687	2400	200	687	2400	200	687	2400	200				
LNAV/VNAV DA	1032	1 3/8	545	1032	1 3/8	545	1032	1 3/8	545	1032	1 3/8	545				
LNAV MDA	1020	2400	533	1020	2400	533	1020	5500	533	1020	5500	533				
CIRCLING	1080	1	593	1140	1	653	1220	2	733	1500	3	1013				
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 40C (104F). @ CAT D 1100-3 CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED WITH RWY 31L. CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: LNAV PROCEDURE NA DURING SIMULTANEOUS OPERATIONS. (SEE FORM 8260-10)																
CITY AND STATE		ELEVATION: 487 TDZE: 487			FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP: RNAV (GPS) RWY 31R					
DALLAS, TX		AIRPORT NAME: DALLAS LOVE FIELD					RNAV (GPS) Y RWY 31R, AMDT 1B				AMDT: 1A					
							18 SEPTEMBER 2014				DATED 06/28/2012					

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.

TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
RW31R (MAP)	687 MSL	309.69	
687 MSL	FINGR (FO)		5000

NOTES, (CONT.):

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

CHART NOTE: NIGHT LANDING: RWY 18, 36 NA.

QUALITY
4
CHECKED

CITY AND STATE

DALLAS, TX

ELEVATION: 487 TDZE: 487

TDZE: 487

AIRPORT NAME:

DALLAS LOVE FIELD

**FACILITY
IDENTIFIER:**
RNAV

PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:

RNAV (GPS) Y RWY 31R, AMDT 1B

18 SEPTEMBER 2014

SUP:	RNAV (GPS) RWY 31R

AMDT:	1A

DATED: 06/28/2012

**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	KDAL
RUNWAY	RW31R
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	Y
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W31B
LTP/FTP LATITUDE	325031.3545N
LTP/FTP LONGITUDE	0965020.9470W
LTP/FTP ELLIPSOIDAL HEIGHT	+01218
FPAP LATITUDE	325135.1800N
FPAP LONGITUDE	0965134.8900W
THRESHOLD CROSSING HEIGHT (TCH)	00049.2
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0384
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0

<u>CRC REMAINDER</u>	CC0E2917

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+01483
FPAP ORTHOMETRIC HEIGHT	+01483

QUALITY
4
CHECKED

CITY AND STATE DALLAS, TX	ELEVATION: 487	TDZE: 487	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) Y RWY 31R, AMDT 1B 18 SEPTEMBER 2014	SUP: RNAV (GPS) RWY 31R
	AIRPORT NAME:				AMDT: 1A
	DALLAS LOVE FIELD				DATED: 06/28/2012

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][illegible]

QUALITY
4
CHECKED

Page 4 of 6 Pages

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			
MSA	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35					

QUALITY
4
CHECKED

CITY AND STATE DALLAS, TX	ELEVATION: 487	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) Y RWY 31R, AMDT 1B 18 SEPTEMBER 2014	RNAV (GPS) RWY 31R	
	AIRPORT NAME: DALLAS LOVE FIELD			AMDT: 1A	
				DATED: 06/28/2012	

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
	ORVLL	ORVLL	010		IF		FB					
	ORVLL	GEVME	020	IAF	TF		FB	2.0	309.2 (315.2T)	015.6	AA 03000	
	ORVLL	FACIA	030		TF		FB	1.0	309.7 (315.7T)	005.0	AA 02500	
	YEAGR	YEAGR	010		IF		FB					
	YEAGR	GEVME	020	IAF	TF		FB	2.0	279.9 (285.9T)	013.4	AA 03000	
	YEAGR	FACIA	030		TF		FB	1.0	309.7 (315.7T)	005.0	AA 02500	
		FACIA	010	FACF	IF		FB				AA 02500	
		DATLE	020	FAF	TF		FB	0.5	309.8 (315.8T)	008.1	AA 02200	
		FELEB	021	SDF	TF		FB	0.3	309.7 (315.7T)	002.6	AA 01340	GS 01364
		RW31R	030	MAP	TF		FO	0.3	309.7 (315.7T)	002.6	AT 00536	
MISSED APPROACH		FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
			040		CA		FB		309.7 (315.7T)		AA 00687	
		FINGR	050		DF	R	FO				AA 05000	
		FINGR	060		HM	L	FO		226.0 (232.0T)	005.0	AA 05000	
POINT DATA		WAYPOINT	LAT IN SECS		LONG IN SECS		LAT IN MINS		LONG IN MINS			
		DATLE	N324646.63		W0964600.99		N3246.777		W09646.017			
		FACIA	N324059.01		W0963920.18		N3240.984		W09639.336			
		FELEB	N324839.56		W0964811.56		N3248.659		W09648.193			
		FINGR	N331547.65		W0962001.79		N3315.794		W09620.030			
		GEVME	N323724.04		W0963511.75		N3237.401		W09635.196			
		ORVLL	N322620.57		W0962213.31		N3226.343		W09622.222			
		YEAGR	N323343.76		W0961954.28		N3233.729		W09619.905			
		RW31R	N325031.35		W0965020.95		N3250.523		W09650.349			
RUNWAY DATA		RWY	THRESHOLD ELEVATION		TCH							
		RW31R	00487		49							
CITY AND STATE		ELEVATION: 487		TDZE: 487		FACILITY IDENTIFIER:		PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:		SUP: RNAV (GPS) RWY 31R		
DALLAS, TX		AIRPORT NAME:		DALLAS LOVE FIELD		RNAV		RNAV (GPS) Y RWY 31R, AMDT 1B		AMDT: 1A		
								18 SEPTEMBER 2014		DATED: 06/28/2012		



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.	
TERMINAL ROUTES				MISSED APPROACH	
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LPV: DA LNAV/VNAV: DA LNAV: RW13R CLIMB TO 3000 DIRECT ENAVE AND ON TRACK 148.15 TO TACKE AND HOLD. ADDITIONAL FLIGHT DATA: HOLD SE, RT, 328.22 INBOUND. CHART FAS OBST: 666 T-L TWR 325440N/0965441W DISTANCE TO THLD FROM 200 HATH: 0.48 NM. CHART VDP AT 1.41 MILES TO RW13R* *LNAV ONLY. WAAS CHANNEL # 82436 REFERENCE PATH ID: W13A LTP HAE: 118.5 M	
LIPPI (IF)	LAURA	129.52 / 5.77	1900		
LAURA (FAF)	RW13R (MAP) (FO)	129.59 / 4.32			
RW13R (MAP)	678 MSL	129.59			
678 MSL	ENAVE (FB)				
ENAVE	TACKE (FO)	148.15 / 14.13	3000		
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 LIPPI 3. FAC: <u>129.59</u> FAF: <u>LAURA</u> DIST FAF TO MAP: <u>4.32</u> THLD: <u>4.32</u> 4. MIN. ALT: LIPPI 2500, LAURA 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: <u>LAURA 1900</u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u>3.00</u> TCH: <u>47.8</u> 34:1 IS CLEAR 8. MSA FROM: <u>RW13R 3600</u>				MAG VAR: 6E EPOCH YEAR: 1990	
MINIMUMS					
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE: N A	
CATEGORY =====>				STANDARD @	
	A		B		C
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS
LPV DA	678	4000	200	678	4000
LNAV/VNAV DA	831	5900	353	831	5900
LNAV MDA	980	5500	502	980	5500
CIRCLING	1080	1	593	1140	1
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -4C (25F) OR ABOVE 54C (130F). @ CAT D 1100-3 CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED WITH RWY 13L. CHART NOTE: DME/DME RNP-0.3 NA. CHART PLANVIEW NOTE: RADAR REQUIRED. (SEE FORM 8260-10)					
CITY AND STATE DALLAS, TX		ELEVATION: 487 TDZE: 478 AIRPORT NAME: DALLAS LOVE FIELD		FACILITY IDENTIFIER: RNAV PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) Z RWY 13R, AMDT 1 18 SEPTEMBER 2014	
		SUP: AMDT: ORIG-B DATED 08/23/2012			

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 PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.

CHART NOTE: CIRCLING TO RWY 18/36 NA.

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
DALLAS, TX

ELEVATION: 487 TDZE: 478
AIRPORT NAME:
DALLAS LOVE FIELD

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) Z RWY 13R, AMDT 1
18 SEPTEMBER 2014

SUP:
AMDT: ORIG-B
DATED: 08/23/2012

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	KDAL
RUNWAY	RW13R
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	Z
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W13A
LTP/FTP LATITUDE	325101.2775N
LTP/FTP LONGITUDE	0965144.4090W
LTP/FTP ELLIPSOIDAL HEIGHT	+01185
FPAP LATITUDE	324957.4640N
FPAP LONGITUDE	0965030.4510W
THRESHOLD CROSSING HEIGHT (TCH)	00047.8
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0216
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0

CRC REMAINDER

ED855574

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+01451
FPAP ORTHOMETRIC HEIGHT	+01451

CITY AND STATE

DALLAS, TX

ELEVATION: 487

TDZE: 478

AIRPORT NAME:

DALLAS LOVE FIELD

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) Z RWY 13R, AMDT 1

18 SEPTEMBER 2014

SUP:

AMDT: ORIG-B

DATED: 08/23/2012

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 PACKET - 424-18 - RNAV (GPS)

	1	2	3	4	5	6	7	8	9	0	1	2	3
WP	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
	SUSAEENRT	ENAVE K40	W	N32464477W096464738				E0036	NAR		ENAVE		
	SUSAEENRT	LAURA K40	C	N32540690W096551979				E0037	NAR		LAURA		
	SUSAEENRT	LIPPI K40	C	N32581432W097000770				E0038	NAR		LIPPI		
	SUSAEENRT	TACKE K40	C	L N32340000W096393000				E0036	NAR		TACKE		

	1	2	3	4	5	6	7	8	9	0	1	2	3
AIRPORT	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
	SUSAP KDALK4ADAL	0	088YHN32504960W096510640E006000487					1800018000C	MNAR		DALLAS LOVE FIELD		

	1	2	3	4	5	6	7	8	9	0	1	2	3
SEGMENT	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
	SUSAP KDALK4FR13RZ R	010LIPPIK4EA0E I	IF						+ 02500	18000		A JS	
	SUSAP KDALK4FR13RZ R	020LAURAK4EA1E F	051TF				12950058		+ 01900		RW13R K4PGA JS		
	SUSAP KDALK4FR13RZ R	020LAURAK4EA2WALPV		ALNAV/VNAV ALNAV							JS		
	SUSAP KDALK4FR13RZ R	030RW13RK4PG0GY M	031TF			12960043		00524		-300	A JS		
	SUSAP KDALK4FR13RZ R	040	0 M	CA		1296		+ 00678			A JS		
	SUSAP KDALK4FR13RZ R	050ENAVEK4EA0E	DF								A JS		
	SUSAP KDALK4FR13RZ R	060TACKEK4EA0EY	010TF			1482		+ 03000			A JS		
	SUSAP KDALK4FR13RZ R	070TACKEK4EA0EE	R HM			32820040		+ 03000			A JS		

	1	2	3	4	5	6	7	8	9	0	1	2	3
RUNWAY	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
	SUSAP KDALK4GRW13R	0088001296	N32510128W096514441+0000			+0118500476049052150IIDPX1							

	1	2	3	4	5	6	7	8	9	0	1	2	3
PP	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
	SUSAP KDALK4PR13RZ	RW13R001Z0000W13A0N3251012775W09651444090+011850300N3249574640W09650304510106750216000478F400350ED855574											
	SUSAP KDALK4PR13RZ	RW13R002E	+01451+01451LPV		82436								

	1	2	3	4	5	6	7	8	9	0	1	2	3
MSA	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
	SUSAP KDALK4SRW13RK4PG		0	18018003625								M	

CITY AND STATE DALLAS, TX	ELEVATION: 487	TDZE: 478	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) Z RWY 13R, AMDT 1 18 SEPTEMBER 2014	SUP:
	AIRPORT NAME: DALLAS LOVE FIELD				AMDT: ORIG-B
					DATED: 08/23/2012

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
		LIPPI	010	FACF	IF		FB				AA 02500	
		LAURA	020	FAF	TF		FB	0.5	129.5 (135.5T)	005.8	AA 01900	
		RW13R	030	MAP	TF		FO	0.3	129.6 (135.6T)	004.3	AT 00524	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		129.6 (135.6T)		AA 00678	
	ENAVE	050		DF		FB					
	TACKE	060		TF		FO	1.0	148.2 (154.2T)		AA 03000	
	TACKE	070		HM	R	FO		328.2 (334.2T)	004.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	ENAVE	N324644.77	W0964647.38	N3246.746	W09646.790
	LAURA	N325406.90	W0965519.79	N3254.115	W09655.330
	LIPPI	N325814.32	W0970007.70	N3258.239	W09700.128
	TACKE	N323400.00	W0963930.00	N3234.000	W09639.500
	RW13R	N325101.28	W0965144.41	N3251.021	W09651.740

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW13R	00476	52

CITY AND STATE DALLAS, TX	ELEVATION: 487	TDZE: 478	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) Z RWY 13R, AMDT 1 18 SEPTEMBER 2014	SUP:
	AIRPORT NAME: DALLAS LOVE FIELD				AMDT: ORIG-B
					DATED: 08/23/2012

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											
NOKME (IF)		WUPAG (TF) (FB) (RNP 1.00)		309.40 / 3.25				3300		CLIMB TO 3000 DIRECT ENAVE AND ON TRACK 148.15 TO TACKE AND HOLD. ADDITIONAL FLIGHT DATA: HOLD SE, RT, 328.22 INBOUND. CHART FAS OBST: 466 TREE 325139N/0965148W CHART FAS OBST: 529 T-L TWR 325143N/0965231W CHART FAS OBST: 620 TOWER 325113N/0965252W DISTANCE TO THLD FROM 303 HAT: 0.80 NM. ROUTE TYPE: A, H ROUTE TYPE QUALIFIER 1: F #TCH 523.9 MSL (DO NOT CHART) ROUTE TYPE QUALIFIER 2: S											
WUPAG		EBARE (RF) (FB) (RNP 0.90)		(2.97 NM RADIUS CCW (CFBWVX)/1.85				3000													
EBARE		HEXOV (RF) (FB) (RNP 0.90)		(2.97 NM RADIUS CCW (CFBZX)/2.62				2100													
WENOP (IF)		HEXOV (TF) (FB) (RNP 1.00)		223.19 / 3.16				2100													
HEXOV		LAICH (TF) (FB) (RNP 0.30)		223.17 / 0.61				2000													
(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 HEXOV <u> </u> 3. FAC: <u> </u> FAF: <u> </u> DIST FAF TO MAP: <u> </u> THLD: <u> </u> 4. MIN. ALT: HEXOV 2100, LAICH 2000, INAPT 1600 5. DIST TO THLD FROM OM: <u> </u> 3.38 MM: <u> </u> IM: <u> </u> 150 HAT: <u> </u> 100 HAT: <u> </u> GS ANT: <u> </u> 6. MIN GS INCPT: <u> </u> 1600 GS ALT AT INAPT 1600, WUREM 1250 OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u> </u> 3.00 TCH: 47.8# 34:1 IS CLEAR 8. MSA FROM: RW13R 3600																		MAG VAR: 6E		EPOCH YEAR: 1990	
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 0.20 DA	781	4900	303	781	4900	303	781	4900	303	781	4900	303									
RNP 0.25 DA	833	5900	355	833	5900	355	833	5900	355	833	5900	355									
RNP 0.30 DA	929	1 1/2	451	929	1 1/2	451	929	1 1/2	451	929	1 1/2	451									
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -4C (25F) OR ABOVE 54C (130F). CHART NOTE: RF REQUIRED. CHART NOTE: GPS REQUIRED. CHART PLANVIEW NOTE AT WUPAG : MAX 210 KIAS. (SEE FORM 8260-10)																					
CITY AND STATE				ELEVATION: 487 TDZE: 478				FACILITY IDENTIFIER:				PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:					
DALLAS, TX				AIRPORT NAME:				RNAV				RNAV (RNP) W RWY 13R, ORIG				AMDT: NONE					
				DALLAS LOVE FIELD								18 SEPTEMBER 2014				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.):

<u>FROM</u>	<u>TO</u>	<u>COURSE AND DISTANCE</u>	<u>ALTITUDE</u>
LAICH	INAPT (RF) (FB) (RNP 0.30)	(1.69 NM RADIUS CCW (CFBZZ)/1.65	1600
INAPT (FAF)	*WUREM (RF) (FB)	(1.68 NM RADIUS CCW (CFBWW)/1.10	
WUREM	*RW13R (MAP) (TF) (FO)	129.61 / 2.28	
RW13R (MAP)	781 MSL (CA)	129.61	
781 MSL	ENAVE (DF) (FB)		
ENAVE	TACKE (TF) (FO) (RNP1.00)	148.15 / 14.13	3000

NOTES, (CONT.):

CHART PLANVIEW NOTE AT NOKME : MAX 230 KIAS.
 CHART PLANVIEW NOTE AT WENOP : MAX 210 KIAS.
 CHART PLANVIEW NOTE AT LAICH : MAX 190 KIAS.
 CHART PLANVIEW NOTE: RADAR REQUIRED.
 CHART PLANVIEW NOTE AT NOKME: (RNP 0.30).
 CHART PLANVIEW NOTE AT WENOP: (RNP 0.30).
 CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.
 CHART PROFILE NOTE: SEE PLANVIEW FOR MULTIPLE IF LOCATIONS.

CITY AND STATE

DALLAS, TX

ELEVATION: 487

TDZE: 478

AIRPORT NAME:

DALLAS LOVE FIELD

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (RNP) W RWY 13R, ORIG

18 SEPTEMBER 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]

CITY AND STATE DALLAS, TX	ELEVATION: 487 TDZE: 478	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (RNP) W RWY 13R, ORIG 18 SEPTEMBER 2014	SUP:
	AIRPORT NAME: DALLAS LOVE FIELD			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.

SUSAP	KDALK4FH13RW	H	060TACKEK4EA0EY	010TF		+ 03000	A FS
SUSAP	KDALK4FH13RW	H	070TACKEK4EA0EE	R HM	32820040	+ 03000	A FS

[illegible]

QUALITY
2
CHECKED

CITY AND STATE DALLAS, TX	ELEVATION: 487 AIRPORT NAME: DALLAS LOVE FIELD	TDZE: 478	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (RNP) W RWY 13R, ORIG 18 SEPTEMBER 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
	NOKME	NOKME	010		IF		FB					AB 230
	NOKME	WUPAG	020		TF		FB	1.0			AA 03300	AB 210
	NOKME	EBARE	030		RF	L	FB	0.9		001.9	AA 03000	
	NOKME	HEXOV	040		RF	L	FB	0.9		002.6	AA 02100	
	WENOP	WENOP	010		IF		FB					AB 210
	WENOP	HEXOV	020		TF		FB	1.0			AA 02100	
		HEXOV	010	FACF	IF		FB				AA 02100	
		LAICH	011		TF		FB	0.3			AA 02000	AB 190
		INAPT	020	FAF	RF	L	FB	0.3		001.7	AA 01600	
		WUREM	021		RF	L	FB	0.3		001.1		
		RW13R	030	MAP	TF		FO	0.3			AT 00524	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		129.6 (135.6T)		AA 00781	
	ENAVE	050		DF		FB					
	TACKE	060		TF		FO	1.0			AA 03000	
	TACKE	070		HM	R	FO		328.2 (334.2T)	004.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	TACKE	N323400.00	W0963930.00	N3234.000	W09639.500
	CFBWW	N325350.00	W0965212.39	N3253.833	W09652.207
	CFBWX	N325315.23	W0965039.65	N3253.254	W09650.661
	CFBZX	N325315.56	W0965039.59	N3253.259	W09650.660
	CFBZZ	N325350.04	W0965212.08	N3253.834	W09652.201
	EBARE	N325611.51	W0965003.95	N3256.192	W09650.066
	ENAVE	N324644.77	W0964647.38	N3246.746	W09646.790
	HEXOV	N325530.64	W0965257.91	N3255.511	W09652.965
	INAPT	N325337.72	W0965411.38	N3253.629	W09654.190
	LAICH	N325506.76	W0965330.67	N3255.113	W09653.511
	NOKME	N325301.82	W0964526.17	N3253.030	W09645.436
	WENOP	N325734.95	W0965007.23	N3257.583	W09650.121
	WUPAG	N325520.88	W0964808.80	N3255.348	W09648.147
	WUREM	N325239.26	W0965338.05	N3252.654	W09653.634
	RW13R	N325101.28	W0965144.41	N3251.021	W09651.740

RUNWAY DATA	THRESHOLD	TCH
RWY	ELEVATION	
RW13R	00476	48

QUALITY
2
CHECKED

CITY AND STATE DALLAS, TX	ELEVATION: 487	TDZE: 478	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME:			RNAV (RNP) W RWY 13R, ORIG	AMDT: NONE
	DALLAS LOVE FIELD	RNAV	18 SEPTEMBER 2014	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												MISSED APPROACH					
FROM		TO		COURSE AND DISTANCE				ALTITUDE		RNP: DA CLIMB TO 3000 DIRECT ENAVE AND ON TRACK 148.15 TO TACKE AND HOLD. ADDITIONAL FLIGHT DATA: HOLD SE, RT, 328.22 INBOUND. CHART FAS OBST: 620 TOWER 325113N/0965252W CHART FAS OBST: 529 T-L TWR 325143N/0965231W CHART FAS OBST: 466 TREE 325139N/0965148W DISTANCE TO THLD FROM 303 HAT: 0.80 NM. ROUTE TYPE QUALIFIER 1: F ROUTE TYPE: A, H ROUTE TYPE QUALIFIER 2: S #TCH 523.9 MSL (DO NOT CHART)							
NETNE (IF)		OBUDE (TF) (FB) (RNP 1.00)		179.69 / 3.80				2100									
OBUDE		TOFLY (RF) (FB) (RNP 0.80)		(1.83 NM RADIUS CCW (CFBWV)/1.60				1600									
FRDDM (IF)		TOFLY (TF) (FB) (RNP 1.00)		129.58 / 3.00				1600									
TOFLY (FAF)		RW13R (MAP) (TF) (FO)		129.59 / 3.38													
RW13R (MAP)		781 MSL (CA)		129.59													
781 MSL		ENAVE (DF) (FB)															
ENAVE		TACKE (TF) (FO) (RNP1.00)		148.15 / 14.13				3000									
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. PROFILE STARTS AT TOFLY _____ 3. FAC: 129.59 FAF: _____ DIST FAF TO MAP: _____ THLD: _____ 4. MIN. ALT: TOFLY 1600 5. DIST TO THLD FROM OM: 3.38 MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 1600 GS ALT AT: TOFLY 1600 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 47.8# 34:1 IS CLEAR 8. MSA FROM: RW13R 3600																	
												MAG VAR: 6E EPOCH YEAR: 1990					
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 0.20 DA	781	4900	303	781	4900	303	781	4900	303	781	4900	303					
RNP 0.25 DA	833	5900	355	833	5900	355	833	5900	355	833	5900	355					
RNP 0.30 DA	929	1 1/2	451	929	1 1/2	451	929	1 1/2	451	929	1 1/2	451					
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -4C (25F) OR ABOVE 54C (130F). CHART NOTE: GPS REQUIRED. CHART PLANVIEW NOTE AT NETNE : MAX 210 KIAS. CHART PLANVIEW NOTE AT OBUDE : MAX 190 KIAS (SEE FORM 8260-10)																	
CITY AND STATE DALLAS, TX		ELEVATION: 487 TDZE: 478 AIRPORT NAME: DALLAS LOVE FIELD		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (RNP) X RWY 13R, ORIG 18 SEPTEMBER 2014						SUP:					
												AMDT: NONE					
												DATED					

QUALITY
2
CHECKED

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 PLANVIEW NOTE: RADAR REQUIRED.
CHART PLANVIEW NOTE ADJACENT TO NETNE: RF REQUIRED.
CHART PLANVIEW NOTE AT NETNE: (RNP 0.80).
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.
CHART PROFILE NOTE: SEE PLANVIEW FOR MULTIPLE IF LOCATIONS.

CITY AND STATE

DALLAS, TX

ELEVATION: 487

TDZE: 478

AIRPORT NAME:

DALLAS LOVE FIELD

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:

RNAV (RNP) X RWY 13R, ORIG

18 SEPTEMBER 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]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KDALK4FH13RX	AFRDDM	010FRDDMK4PC0E	B	IF					18000		A	FS
SUSAP	KDALK4FH13RX	AFRDDM	020TOFLYK4PC0EE		010TF			+ 01600				A	FS
SUSAP	KDALK4FH13RX	ANETNE	010NETNEK4PC0E	B	IF					18000210		A-PS	
SUSAP	KDALK4FH13RX	ANETNE	020OBUDEK4PC0E		010TF			+ 02100		190		A-FS	
SUSAP	KDALK4FH13RX	ANETNE	030TOFLYK4PC0EE	L081RF		0018301797	12960016	+ 01600			CFBWV K4PCA	FS	
SUSAP	KDALK4FH13RX	H	020TOFLYK4PC1E	F	IF			+ 01600		18000	RW13R K4PGA	FS	
SUSAP	KDALK4FH13RX	H	020TOFLYK4PC2W						A031A252A021			FS	
SUSAP	KDALK4FH13RX	H	030RWL3RK4PGOGY	M	031TF				00524	-300		A	FS
SUSAP	KDALK4FH13RX	H	040	0	M	CA	1296	+ 00781				A	FS
SUSAP	KDALK4FH13RX	H	050ENAVEK4PC0E		DF							A	FS
SUSAP	KDALK4FH13RX	H	060TACKEK4EA0EY		010TF			+ 03000				A	FS
SUSAP	KDALK4FH13RX	H	070TACKEK4EA0EE	R	HM		32820040	+ 03000				A	FS

[illegible][illegible]

QUALITY
3
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CHECKED

CITY AND STATE
DALLAS, TX

ELEVATION: 487	TDZE: 478
AIRPORT NAME: DALLAS LOVE FIELD	

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
RNAV (RNP) X RWY 13R, ORIG
18 SEPTEMBER 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.

SUSAP KDALK4SRW13RK4PG

0 18018003625

M

QUALITY
2
CHECKED

CITY AND STATE DALLAS, TX	ELEVATION: 487	TDZE: 478	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (RNP) X RWY 13R, ORIG 18 SEPTEMBER 2014	SUP:
	AIRPORT NAME: DALLAS LOVE FIELD	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
	FRDDM	FRDDM	010		IF		FB					
	FRDDM	TOFLY	020		TF		FB	1.0			AA 01600	
	NETNE	NETNE	010		IF		FB					AB 210
	NETNE	OBUDE	020		TF		FB	1.0			AA 02100	AB 190
	NETNE	TOFLY	030		RF	L	FB	0.8		001.6	AA 01600	
		TOFLY	020	FAF	IF		FB				AA 01600	
		RW13R	030	MAP	TF		FO	0.3			AT 00524	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		129.6 (135.6T)		AA 00781	
	ENAVE	050		DF		FB					
	TACKE	060		TF		FO	1.0			AA 03000	
	TACKE	070		HM	R	FO		328.2 (334.2T)	004.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	TACKE	N323400.00	W0963930.00	N3234.000	W09639.500
	CFBWV	N325443.41	W0965259.64	N3254.724	W09652.994
	ENAVE	N324644.77	W0964647.38	N3246.746	W09646.790
	FRDDM	N325535.27	W0965702.44	N3255.588	W09657.041
	NETNE	N325841.80	W0965442.53	N3258.697	W09654.709
	OBUDE	N325454.34	W0965509.42	N3254.906	W09655.157
	TOFLY	N325326.44	W0965432.81	N3253.441	W09654.547
	RW13R	N325101.28	W0965144.41	N3251.021	W09651.740

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW13R	00476	48

2

CITY AND STATE DALLAS, TX	ELEVATION: 487	TDZE: 478	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME: DALLAS LOVE FIELD		RNAV	RNAV (RNP) X RWY 13R, ORIG 18 SEPTEMBER 2014	AMDT: NONE
	DATED:				

QUALITY
2
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
SCATS	WAGBU (TF) (FB) (RNP 1.00)	309.69 / 2.99	1900
DWNTN (IF)	OVELE (TF) (FB) (RNP 1.00)	011.13 / 3.01	2700
OVELE	WAGBU (RF) (FB) (RNP 1.00)	(2.35 NM RADIUS CCW (CFBZV)/2.52	1900
WAGBU (FAF)	RW31L (MAP) (TF) (FO)	309.66 / 4.19	
RW31L (MAP)	1700 MSL (CA)	309.66	1700
1700 MSL	TADDI (DF) (FO)		4000

NOTES, (CONT.):

CHART NOTE: GPS REQUIRED.

CHART PROFILE NOTE: SEE PLANVIEW FOR MULTIPLE IF LOCATIONS.

CHART NOTE: FOR INOPERATIVE MALSR, INCREASE RNP 0.30 VISIBILITY ALL CATS TO 1 5/8 MILE.

CHART PLANVIEW NOTE: RADAR REQUIRED.

CHART PLANVIEW NOTE ADJACENT TO DWNTN, JALIM, AND SUMLN IFS: RF REQUIRED.

QUALITY
2
CHECKED

CITY AND STATE
DALLAS, TX

ELEVATION: 487 TDZE: 476
 AIRPORT NAME:
 DALLAS LOVE FIELD

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:
 RNAV (RNP) Z RWY 31L, ORIG
 18 SEPTEMBER 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]

CITY AND STATE DALLAS, TX	ELEVATION: 487 AIRPORT NAME: DALLAS LOVE FIELD	TDZE: 476	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (RNP) Z RWY 31L, ORIG 18 SEPTEMBER 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.

SUSAP	KDALK4FH31LZ	H	040	0	M	CA	3097	+	01700	A	FS
SUSAP	KDALK4FH31LZ	H	050	TADDIK4EA0EY		DF		+	04000	A	FS
SUSAP	KDALK4FH31LZ	H	060	TADDIK4EA0EE	R	HM	01640040	+	04000	A	FS

[illegible]

SUSAP KDALK4GRW31L 0088003096 N32500251W096503630+0000 +0118600476000055150IILVF1

[illegible]

SUSAP KDALK4SRW31LK4FG 0 18018003625 M

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
	DWNTN	DWNTN	010		IF		FB				AT 03000	
	DWNTN	OVELE	020		TF		FB	1.0			AA 02700	AB 210
	DWNTN	WAGBU	030		RF	L	FB	1.0		002.5	AA 01900	
	JALIM	JALIM	010		IF		FB				AT 04000	
	JALIM	LAYER	020		TF		FB	1.0			AA 03200	AB 210
	JALIM	NAKFA	030		RF	R	FB	1.0		002.0	AA 03000	AB 210
	JALIM	WAGBU	040		RF	R	FB	1.0		004.5	AA 01900	
	RYCKK	RYCKK	010		IF		FB					
	RYCKK	SCATS	020		TF		FB	1.0			AA 02800	
	RYCKK	WAGBU	030		TF		FB	1.0			AA 01900	
	SUMLN	SUMLN	010		IF		FB				AT 04000	
	SUMLN	NAKFA	020		TF		FB	1.0			AA 03000	AB 210
	SUMLN	WAGBU	030		RF	R	FB	1.0		004.5	AA 01900	
		WAGBU	020	FAF	IF		FB				AA 01900	
		RW31L	030	MAP	TF		FO	0.3			AT 00531	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		309.7 (315.7T)		AA 01700	
	TADDI	050		DF		FO				AA 04000	
	TADDI	060		HM	R	FO		016.4 (022.4T)	004.0	AA 04000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	TADDI	N332332.88	W0963925.39	N3323.548	W09639.423
	CFBZV	N324523.96	W0964907.29	N3245.399	W09649.122
	CFBZW	N324842.94	W0964506.24	N3248.716	W09645.104
	DWNTN	N324149.59	W0964730.86	N3241.827	W09647.514
	JALIM	N325328.32	W0964412.15	N3253.472	W09644.203
	LAYER	N324933.76	W0964227.07	N3249.563	W09642.451
	NAKFA	N324737.12	W0964235.01	N3247.619	W09642.584
	OVELE	N324442.43	W0964627.82	N3244.707	W09646.464
	RYCKK	N324111.70	W0964022.78	N3241.195	W09640.380
	SCATS	N324453.88	W0964439.20	N3244.898	W09644.653
	SUMLN	N325046.44	W0964039.36	N3250.774	W09640.656
	WAGBU	N324702.53	W0964707.93	N3247.042	W09647.132
	RW31L	N325002.51	W0965036.30	N3250.042	W09650.605

RUNWAY DATA	THRESHOLD	TCH
RWY	ELEVATION	
RW31L	00476	55

CITY AND STATE
DALLAS, TX

ELEVATION: 487 TDZE: 476
AIRPORT NAME:
DALLAS LOVE FIELD

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
RNAV (RNP) Z RWY 31L, ORIG
18 SEPTEMBER 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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CITY AND STATE DALLAS, TX	ELEVATION: 487 AIRPORT NAME: DALLAS LOVE FIELD	TDZE: 476 FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (RNP) Z RWY 31L, ORIG 18 SEPTEMBER 2014	SUP:
				AMDT: NONE
				DATED:

PAGE 1 OF 1 PAGES

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
RAYMA/16.94 DME/RADAR (IF)	TUFFO/13.79 DME/RADAR	356.26 / 3.15 (I-PKQ)	5000	CLIMB TO 3000 ON TTT VOR/DME R-356 TO BOSSI/TTT 19.74 DME/RADAR AND HOLD, OR AS DIRECTED BY ATC. ALTERNATE MA: CLIMB TO 3000 THEN LEFT TURN ON HEADING 340 AND FUZ VORTAC R-012 TO GRABE INT/FUZ 35.40 DME AND HOLD. ADDITIONAL FLIGHT DATA: HOLD N, RT, 176.36 INBOUND. CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD S GRABE INT/FUZ 35.40 DME, RT, 012.00 INBOUND. CHART IN PLANVIEW: GRABE INT/FUZ 35.40 DME.
TUFFO/13.79 DME/RADAR	DAYZZ/7.50 DME/RADAR	356.26 / 6.29 (I-PKQ)	3000	
DAYZZ/7.50 DME/RADAR	JOBBS INT/4.48 DME/RADAR	356.26 / 3.03 (I-PKQ)	2100	

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- PROFILE STARTS AT RAYMA/16.94 DME/RADAR
- FAC: 356.26 FAF: JOBBS INT/4.48 DME/RADAR DIST FAF TO MAP: THLD:
- MIN. ALT: RAYMA 6000, TUFFO 5000, DAYZZ 3000, JOBBS 2100
- DIST TO THLD FROM OM: 4.64 MM: - IM: 875 150 HAT: - 100 HAT: - GS ANT: 1050
- MIN GS INCPT: 2100 GS ALT AT: JOBBS 2100 OM: - MM: - IM: 663
- GS ANGLE: 3.00 TCH: 59.3
- MSA FROM: TTT VOR/DME 090-270 3600, 270-090 2700

MAG VAR: 4E

EPOCH YEAR: 2010

MINIMUMS															
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT								ALTERNATE: N A		ILS: 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	HAT/HAA
S-ILS 35C		763	1800	200	763	1800	200	763	1800	200	763	1800	200		

NOTES:
 CHART NOTE: DME OR RADAR REQUIRED.
 CHART PLANVIEW NOTE: RADAR REQUIRED.
 CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH GLIDEPATH NOT COINCIDENT.
 CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED WITH CONVERGING ILS RWY 31R.

CITY AND STATE DALLAS-FORT WORTH, TX	ELEVATION: 607 TDZE: 563 AIRPORT NAME: DALLAS/FORT WORTH INTL	FACILITY IDENTIFIER: I-PKQ	PROCEDURE NO./AMD'T NO./EFFECTIVE DATE: CONVERGING ILS RWY 35C, AMDT 3 18 SEPTEMBER 2014	SUP:
				AMD'T: 2
				DATED 05/02/2013

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									
BOSSI/19.31 DME/RADAR (IF)	PENNY/16.16 DME/RADAR	176.26 / 3.15 (I-FLQ)	5000	ILS: DA LOC: 5.28 MILES AFTER JIFFY INT/I-FLQ 7.65 DME/RADAR OR AT 2.37 DME FIX CLIMB ON HEADING 176 TO CROSS YUPRU/2.8 DME/RADAR AT OR BELOW 3000, THEN CLIMBING RIGHT TURN TO 4000 ON TTT VOR/DME R-176 TO JASPA INT/TTT 34.99 DME AND HOLD, OR AS DIRECTED BY ATC. ALTERNATE MA: CLIMB ON HEADING 176 TO CROSS (SEE FORM 8260-10) ADDITIONAL FLIGHT DATA: HOLD N, RT, 175.54 INBOUND. CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD N JASPA INT/CVE 37.09 DME, RT, 186.28 INBOUND. FAS OBST: 749 AAO 325827N/0970207W CHART 838 TOWER 330013N/0970101W. CHART TTT R-158 AT YUPRU. CHART VDP AT 3.51 DME* DISTANCE VDP TO THLD 1.14 MILES. *LOC ONLY. CHART MAXIMUM 3000 AT YUPRU								
PENNY/16.16 DME/RADAR	ZINGG/9.87 DME/RADAR	176.26 / 6.29 (I-FLQ)	3000									
ZINGG/9.87 DME/RADAR	JIFFY INT/7.65 DME/RADAR	176.26 / 2.22 (I-FLQ)	2300									
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 BOSSI 3. FAC: <u>176.26</u> FAF: <u>JIFFY INT/7.65 DME/RADAR</u> DIST FAF TO MAP: <u>5.28</u> THLD: <u>5.28</u> 4. MIN. ALT: BOSSI 6000, PENNY 5000, ZINGG 3000, JIFFY 2300 5. DIST TO THLD FROM OM: <u> </u> MM: <u> </u> IM: <u>763</u> 150 HAT: <u>1757</u> 100 HAT: <u>804</u> GS ANT: <u>1100</u> 6. MIN GS INCPT: <u>2300</u> GS ALT AT: <u>JIFFY 2300</u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u>3.00</u> TCH: <u>58.0</u> 8. MSA FROM: TTT VOR/DME 090-270 3600, 270-090 2700				MAG VAR: 4E EPOCH YEAR: 2010								
MINIMUMS												
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE: N A		ILS: 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
S-ILS 17C	762	1800	200	762	1800	200	762	1800	200	762	1800	200
S-LOC 17C	1000	2400	438	1000	2400	438	1000	4000	438	1000	4000	438
SIDESTEP 17R	1140	5500	573	1140	5500	573	1140	5500	573	1140	1 1/2	573
NOTES: SA CATEGORY I ILS SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED S-ILS 17C: CAT A, B, C, D, RA 144, RVR 1400, HAT 150, DA 712 MSL. CATEGORY II ILS SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED S-ILS 17C: CAT A, B, C, D, RA 102, RVR 1200, HAT 100, DA 662 MSL. (SEE FORM 8260-10)												
CITY AND STATE		ELEVATION: 607		TDZE: 17C 562		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:			SUP:	
DALLAS-FORT WORTH, TX		AIRPORT NAME:		TDZE: 17R 567		I-FLQ		ILS OR LOC RWY 17C, AMDT 11			AMDT: 10A	
		DALLAS/FORT WORTH INTL						ILS RWY 17C (SA CAT I), ILS RWY 17C (CAT II)			DATED 06/27/2013	
								ILS RWY 17C (CAT III) 9/18/2014				

QUALITY
7
CHECKED

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

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MISSED APPROACH INSTRUCTIONS, (CONT.):

YUPRU/2.84 DME/RADAR AT OR BELOW 3000, THEN CLIMBING LEFT TURN TO 4000 ON HEADING 144
AND ON CVE VOR/DME R-186 TO JASPA INT/CVE 37.09 DME AND HOLD. (DME REQUIRED).

CATEGORY III ILS SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED. S-ILS- 17C: CAT IIIa CAT
A,B,C,D, RVR 700. CAT IIIb CAT A,B,C,D, RVR 600. CAT IIIc NA.

NOTES, (CONT.):

CHART NOTE: DME OR RADAR REQUIRED.

CHART PLANVIEW NOTE: RADAR REQUIRED.

CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT.

CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED WITH RWY 17L, 18L/R.

CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO SIDESTEP 17R CATS A AND B.

SA CAT I CHART NOTE: REQUIRES SPECIFIC OPSPEC, MSPEC, OR LOA APPROVAL AND USE OF HUD TO DA.

CITY AND STATE

DALLAS-FORT WORTH, TX

ELEVATION: 607

AIRPORT NAME:

DALLAS/FORT WORTH INTL

TDZE: 17C 562

TDZE: 17R 567

FACILITY
IDENTIFIER:

I-FLQ

PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:

ILS OR LOC RWY 17C, AMDT 11
ILS RWY 17C (SA CAT I) , ILS RWY 17C (CAT II)
ILS RWY 17C (CAT III)

9/18/2014

SUP:

AMDT: 10A

DATED: 06/27/2013

**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											
RIVET/19.56 DME/RADAR (IF)		DRAAK/16.41 DME/RADAR		176.27 / 3.15 (I-PPZ)			5000			ILS: DA LOC: 5.40 MILES AFTER GBUSH/6.99 DME/RADAR OR AT 1.59 DME FIX CLIMB TO 1020 THEN CLIMBING LEFT TURN TO 3000 ON HEADING 151 AND TTT VOR/DME R-127 TO TACKE/TTT 26.50 DME AND HOLD. (DME REQUIRED),OR AS DIRECTED BY ATC. ALTERNATE MA: CLIMB TO 1020 THEN CLIMBING LEFT TURN TO 3000 ON HEADING 154 AND FUZ VORTAC R-120 TO TACKE/FUZ 32.70 DME AND HOLD. (DME REQUIRED). ADDITIONAL FLIGHT DATA: HOLD SE, RT, 307.01 INBOUND. CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD SE TACKE/FUZ 32.70 DME, RT, 300.09 INBOUND. FAS OBST: 759 AAO 325948N/0965945W CHART VDP AT 2.96 DME* DISTANCE VDP TO THLD 1.37 MILES. *LOC ONLY.								
DRAAK/16.41 DME/RADAR		INWOD/10.12 DME/RADAR		176.27 / 6.29 (I-PPZ)			3000											
INWOD/10.12 DME/RADAR		GBUSH/6.99 DME/RADAR		176.27 / 3.14 (I-PPZ)			2300											
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 RIVET 3. FAC: <u>176.27</u> FAF: GBUSH/6.99 DME/RADAR DIST FAF TO MAP: <u>5.40</u> THLD: <u>5.40</u> 4. MIN. ALT: RIVET 5000, DRAAK 5000, INWOD 3000, GBUSH 2300 5. DIST TO THLD FROM OM: <u> </u> - <u> </u> MM: <u> </u> - <u> </u> IM: <u>1150</u> 150 HAT: <u>1803</u> 100 HAT: <u>849</u> GS ANT: <u>880</u> 6. MIN GS INCPT: <u>2300</u> GS ALT AT:GBUSH 2300 OM: <u> </u> - <u> </u> MM: <u> </u> - <u> </u> IM: <u>638</u> 7. GS ANGLE: <u>3.00</u> TCH:55.5 8. MSA FROM: TTT VOR/DME 090-270 3600, 270-090 2700										MAG VAR: 4E 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		745	1800	200	745	1800	200	745	1800	200	745	1800	200					
S-LOC 17L		1040	2400	495	1040	2400	495	1040	5000	495	1040	5000	495					
NOTES: SA CATEGORY I ILS SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED S-ILS 17L: CAT A, B, C, D, RA 165, RVR 1400, HAT 150, DA 695 MSL. CATEGORY II ILS SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED S-ILS 17L: CAT A, B, C, D, RA 122, RVR 1200, HAT 100, DA 645 MSL. (SEE FORM 8260-10)																		
CITY AND STATE		ELEVATION: 607 TDZE: 545			FACILITY IDENTIFIER:			PROCEDURE NO./AMDT NO./EFFECTIVE DATE:						SUP:				
DALLAS-FORT WORTH, TX		AIRPORT NAME:			I-PPZ			ILS OR LOC RWY 17L, AMDT 7 ILS RWY 17L (SA CAT I) , ILS RWY 17L (CAT II), ILS RWY 17L (CAT III) 9/18/2014						AMDT: 6				
		DALLAS/FORT WORTH INTL												DATED 05/02/2013				

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.): <u>CATEGORY III ILS SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED S-ILS- 17L: CAT IIIa CAT A,B,C,D, RVR 700. CAT IIIb CAT A,B,C,D, RVR 600. CAT IIIc NA.</u> SA CAT I CHART NOTE: REQUIRES SPECIFIC OPSPEC, MSPEC, OR LOA APPROVAL AND USE OF HUD TO DA. CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED WITH RWY 17 C/R AND RWY 18 L/R. CHART NOTE: DME REQUIRED. CHART PLANVIEW NOTE: RADAR REQUIRED. CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT.					
CITY AND STATE DALLAS-FORT WORTH, TX	ELEVATION: 607 TDZE: 545 AIRPORT NAME: DALLAS/FORT WORTH INTL	FACILITY IDENTIFIER: I-PPZ	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;"> PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 17L, AMDT 7 ILS RWY 17L (SA CAT I) , ILS RWY 17L (CAT II), ILS RWY 17L (CAT III) 9/18/2014 </td> <td style="padding: 2px;"> SUP: AMDT: 6 DATED: 05/02/2013 </td> </tr> </table>	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 17L, AMDT 7 ILS RWY 17L (SA CAT I) , ILS RWY 17L (CAT II), ILS RWY 17L (CAT III) 9/18/2014	SUP: AMDT: 6 DATED: 05/02/2013
PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 17L, AMDT 7 ILS RWY 17L (SA CAT I) , ILS RWY 17L (CAT II), ILS RWY 17L (CAT III) 9/18/2014	SUP: AMDT: 6 DATED: 05/02/2013				

FLIGHT STANDARDS SERVICES - FAR PART 97.29

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ARINC PACKET - 424-18 - ILS

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

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KDFWK4FI17L	ARIVET	010RIVETK4PCOE	B	IF				+	05000	18000		0 DS
SUSAP	KDFWK4FI17L	ARIVET	020DRAAKK4PCOE		TF				+	05000			0 DS
SUSAP	KDFWK4FI17L	ARIVET	030INWODK4PCOE	E	CF	IPPZK4	3563010117630063PI		+	03000			0 DS
SUSAP	KDFWK4FI17L	I	010INWODK4PCOE	I	IF	IPPZK4	35630101	PI	J	030000230018000			0 DS
SUSAP	KDFWK4FI17L	I	020GBUSHK4PCOE	F	CF	IPPZK4	3563007017600031PI		H	0230002300		-300TTT K4D	0 DS
SUSAP	KDFWK4FI17L	I	030RW17LK4PGOGY	M	CF	IPPZK4	3563001617600054PI			00580		-300	0 DS
SUSAP	KDFWK4FI17L	I	040	0	M	CA		1763	+	01020			0 DS
SUSAP	KDFWK4FI17L	I	050	0		VI		1510					0 DS
SUSAP	KDFWK4FI17L	I	060TACKEK4EA0EY		CF	TTT K4	1270026512700230D		+	03000			0 DS
SUSAP	KDFWK4FI17L	I	070TACKEK4EA0EE	R	HM			3070T010	+	03000			0 DS

[illegible]

SUP:	
AMDT:	6
DATED:	05/02/2013

FLIGHT STANDARDS SERVICES - FAR PART 97.29

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[illegible]

2

CITY AND STATE DALLAS-FORT WORTH, TX	ELEVATION: 607	TDZE: 545	FACILITY IDENTIFIER: I-PPZ	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:	
	AIRPORT NAME: DALLAS/FORT WORTH INTL	ILS OR LOC RWY 17L, AMDT 7		AMDT:	6	
	ILS RWY 17L (SA CAT 1), ILS RWY 17L (CAT II), ILS RWY 17L (CAT III) 9/18/2014			DATED:	05/02/2013	

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
	RIVET	RIVET	010		IF		FB				AA 05000	
	RIVET	DRAAK	020		TF		FB				AA 05000	
	RIVET	INWOD	030		CF		FB		176.3 ()	006.3	AA 03000	
		INWOD	010	FACF	IF		FB				AA 03000 GI 02300	
		GBUSH	020	FAF	CF		FB		176.0 ()	003.1	GI 02300 GS 02300	
		RW17L	030	MAP	CF		FO		176.0 ()	005.4	AT 00580	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		176.3 ()		AA 01020	
		050		VI		FB		151.0 ()			
	TACKE	060		CF		FO		127.0 ()	023.0	AA 03000	
	TACKE	070		HM	R	FO		307.0 ()	T01.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	TTT	N325208.98	W0970225.81	N3252.150	W09702.430
	IPPZ (DME)	N325218.74	W0970040.18	N3252.312	W09700.670
	TACKE	N323400.00	W0963930.00	N3234.000	W09639.500
	DRAAK	N330845.31	W0970030.21	N3308.755	W09700.504
	GBUSH	N325918.72	W0970033.38	N3259.312	W09700.556
	INWOD	N330227.19	W0970032.33	N3302.453	W09700.539
	RIVET	N331154.67	W0970029.14	N3311.911	W09700.486
	RW17L	N325353.95	W0970035.20	N3253.599	W09700.587
	IPPZ (LOC)	N325219.44	W0970035.73	N3252.324	W09700.596

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW17L	00524	54

CITY AND STATE
DALLAS-FORT WORTH, TX

ELEVATION: 607 TDZE: 545
AIRPORT NAME:
DALLAS/FORT WORTH INTL

FACILITY
IDENTIFIER:

I-PPZ

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
ILS OR LOC RWY 17L, AMDT 7
ILS RWY 17L (SA CAT 1), ILS RWY 17L (CAT II),
ILS RWY 17L (CAT III) 9/18/2014

SUP:
AMDT: 6
DATED: 05/02/2013

FLIGHT STANDARDS SERVICES - FAR PART 97.25

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ARINC PACKET - 424-18 - LOC

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

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KDFWK4FL17L	ARIVET	010RIVETK4PCOE	B	IF			+ 05000	18000			0 DS	
SUSAP	KDFWK4FL17L	ARIVET	020DRAAKK4PCOE		TF			+ 05000				0 DS	
SUSAP	KDFWK4FL17L	ARIVET	030INWODK4PCOEE		CF	IPPZK4	3563010117630063PI	+ 03000				0 DS	
SUSAP	KDFWK4FL17L	L	010INWODK4PCOE	I	IF	IPPZK4	35630101	PI	+ 03000	18000		0 DS	
SUSAP	KDFWK4FL17L	L	020GBUSHK4PCOE	F	CF	IPPZK4	3563007017600031PI	+ 02300			TTT K4D	0 DS	
SUSAP	KDFWK4FL17L	L	030RW17LK4PGOGY	M	CF	IPPZK4	3563001617600054PI	00580		-301		0 DS	
SUSAP	KDFWK4FL17L	L	040	0 M	CA		1763	+ 01020				0 DS	
SUSAP	KDFWK4FL17L	L	050	0	VI		1510					0 DS	
SUSAP	KDFWK4FL17L	L	060TACKEK4EA0EY		CF	TTT K4	1270026512700230D	+ 03000				0 DS	
SUSAP	KDFWK4FL17L	L	070TACKEK4EA0EE	R	HM		3070T010	+ 03000				0 DS	

[illegible]

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

SUP:	
AMDT:	6
DATED:	05/02/2013

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

LOC STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - FAR PART 97.25

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ILS 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012

SUSAP KDFWK4IIPPZ3 011175RW17LN32521944W0970035731763N32534523W0970031141053 08800420300E00405400526

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

SUSAP KDFWK4STTT K4D 0 0902700272527009003625 M

CITY AND STATE
DALLAS-FORT WORTH, TX

ELEVATION: 607 TDZE: 545
AIRPORT NAME:
DALLAS/FORT WORTH INTL

FACILITY
IDENTIFIER:
I-PPZ

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
ILS OR LOC RWY 17L, AMDT 7
ILS RWY 17L (SA CAT 1), ILS RWY 17L (CAT II),
ILS RWY 17L (CAT III) 9/18/2014

SUP:
AMDT: 6
DATED: 05/02/2013

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
	RIVET	RIVET	010		IF		FB				AA 05000	
	RIVET	DRAAK	020		TF		FB				AA 05000	
	RIVET	INWOD	030		CF		FB		176.3 ()	006.3	AA 03000	
		INWOD	010	FACF	IF		FB				AA 03000	
		GBUSH	020	FAF	CF		FB		176.0 ()	003.1	AA 02300	
		RW17L	030	MAP	CF		FO		176.0 ()	005.4	AT 00580	
MISSED APPROACH		FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
			040		CA		FB		176.3 ()		AA 01020	
			050		VI		FB		151.0 ()			
		TACKE	060		CF		FO		127.0 ()	023.0	AA 03000	
		TACKE	070		HM	R	FO		307.0 ()	T01.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	TTT	N325208.98	W0970225.81	N3252.150	W09702.430
	IPPZ (DME)	N325218.74	W0970040.18	N3252.312	W09700.670
	TACKE	N323400.00	W0963930.00	N3234.000	W09639.500
	DRAAK	N330845.31	W0970030.21	N3308.755	W09700.504
	GBUSH	N325918.72	W0970033.38	N3259.312	W09700.556
	INWOD	N330227.19	W0970032.33	N3302.453	W09700.539
	RIVET	N331154.67	W0970029.14	N3311.911	W09700.486
	RW17L	N325353.95	W0970035.20	N3253.899	W09700.587
	IPPZ (LOC)	N325219.44	W0970035.73	N3252.324	W09700.596

RUNWAY DATA	THRESHOLD	ELEVATION	TCH
RWY			
RW17L	00524		54

CITY AND STATE
DALLAS-FORT WORTH, TX

ELEVATION: 607 TDZE: 545
AIRPORT NAME:
DALLAS/FORT WORTH INTL

FACILITY
IDENTIFIER:
I-PPZ

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
ILS OR LOC RWY 17L, AMDT 7
ILS RWY 17L (SA CAT I), ILS RWY 17L (CAT II),
ILS RWY 17L (CAT III) 9/18/2014

SUP:
AMDT: 6
DATED: 05/02/2013

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.	
TERMINAL ROUTES				MISSED APPROACH	
FROM	TO	COURSE AND DISTANCE	ALTITUDE	ILS: DA LOC: 4.64 MILES AFTER JOBBS INT/4.48 DME/RADAR CLIMB TO 3000 ON TTT VOR/DME R-356 TO BOSSI/TTT 19.74 DME/RADAR AND HOLD, OR AS DIRECTED BY ATC. ALTERNATE MA: CLIMB TO 3000 THEN LEFT TURN ON HEADING 340 AND FUZ VORTAC R-012 TO GRABE INT/FUZ 35.40 DME AND HOLD. ADDITIONAL FLIGHT DATA: HOLD N, RT, 176.36 INBOUND. CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD S GRABE INT/FUZ 35.40 DME, RT, 012.00 INBOUND. FAS OBST: 749 AAO 324914N/0970204W CHART VDP AT 0.97 DME* DISTANCE VDP TO THLD 1.13 MILES. *LOC ONLY. CHART IN PLANVIEW: GRABE INT/FUZ 35.40 DME.	
RAYMA/16.94 DME/RADAR (IF)	TUFFO/13.79 DME/RADAR	356.26 / 3.15 (I-PKQ)	5000		
TUFFO/13.79 DME/RADAR	DAYZZ/7.50 DME/RADAR	356.26 / 6.29 (I-PKQ)	3000		
DAYZZ/7.50 DME/RADAR	JOBBS INT/4.48 DME/RADAR	356.26 / 3.03 (I-PKQ)	2100		

1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
 2. PROFILE STARTS AT RAYMA/16.94 DME/RADAR
 3. FAC: 356.26 FAF: JOBBS INT/4.48 DME/RADAR DIST FAF TO MAP: 4.64 THLD: 4.64
 4. MIN. ALT: RAYMA 6000, TUFFO 5000, DAYZZ 3000, JOBBS 2100
 5. DIST TO THLD FROM OM: MM: IM: 875 150 HAT: 1727 100 HAT: 773 GS ANT: 1050
 6. MIN GS INCPT: 2100 GS ALT AT: JOBBS 2100 OM: MM: IM: 663
 7. GS ANGLE: 3.00 TCH: 59.3
 8. MSA FROM: TTT VOR/DME 090-270 3600, 270-090 2700

MAG VAR: 4E
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 35C	763	1800	200	763	1800	200	763	1800	200	763	1800	200			
S-LOC 35C	1000	2400	437	1000	2400	437	1000	4000	437	1000	4000	437			
SIDESTEP 35L	1000	5500	436	1000	5500	436	1000	5500	436	1000	1 1/2	436			

NOTES:
 SA CATEGORY I ILS SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED S-ILS 35C: CAT A, B, C, D, RA 153, RVR 1400, HAT 150, DA 713 MSL.
 CATEGORY II ILS SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED S-ILS 35C: CAT A, B, C, D, RA 100, RVR 1200, HAT 100, DA 663 MSL.
 (SEE FORM 8260-10)

CITY AND STATE	ELEVATION: 607	TDZE: 35C 563	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
DALLAS-FORT WORTH, TX	AIRPORT NAME:	TDZE: 35L 564	I-PKQ	ILS OR LOC RWY 35C, AMDT 3	AMDT: 2
	DALLAS/FORT WORTH INTL			ILS RWY 35C (SA CAT I), ILS RWY 35C (CAT II)	DATED 05/02/2013
				ILS RWY 35C (CAT III) 9/18/2014	

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

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NOTES, (CONT.):

CATEGORY III ILS SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED S-ILS- 35C: CAT IIIa CAT A,B,C,D, RVR 700. CAT IIIb CAT A,B,C,D, RVR 600. CAT IIIc NA.

CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO SIDESTEP RWY 35L CATS A AND B.

CHART NOTE: DME OR RADAR REQUIRED.

CHART PLANVIEW NOTE: RADAR REQUIRED.

CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT.

CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED WITH RWY 35R, 36L/R.

SA CAT I CHART NOTE: REQUIRES SPECIFIC OPSPEC, MSPEC, OR LOA APPROVAL AND USE OF HUD TO DA.

CITY AND STATE

DALLAS-FORT WORTH, TX

ELEVATION: 607

AIRPORT NAME:

DALLAS/FORT WORTH INTL

TDZE: 35C 563

TDZE: 35L 564

FACILITY
IDENTIFIER:

I-PKQ

PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:

ILS OR LOC RWY 35C, AMDT 3
ILS RWY 35C (SA CAT I), ILS RWY 35C (CAT II)
ILS RWY 35C (CAT III)

9/18/2014

SUP:

AMDT: 2

DATED: 05/02/2013

FLIGHT STANDARDS SERVICES - FAR PART 97.29

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ARINC PACKET - 424-18 - ILS

[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KDFWK4FI35C	ARAYMA	010RAYMAK4PC0E	B	IF				06000	18000		0	NS
SUSAP	KDFWK4FI35C	ARAYMA	020TUFFOK4PC0E		TF				05000			0	NS
SUSAP	KDFWK4FI35C	ARAYMA	030DAYZZK4PC0EE		CF	IPKQK4	1763010035630063PI		03000			0	NS
SUSAP	KDFWK4FI35C	I	010DAYZZK4PC0E	I	IF	IPKQK4	17630100	FI	J	030000210018000		0	NS
SUSAP	KDFWK4FI35C	I	020JOBBSK4PC0E	F	CF	IPKQK4	1763007035600030PI	H	0210002100		-300TTT	K4D	0 NS
SUSAP	KDFWK4FI35C	I	030RW35CK4PGQGY	M	CF	IPKQK4	1763002435600046PI		00622		-300		0 NS
SUSAP	KDFWK4FI35C	I	040BOSSIK4PC0EYM		CF	TTT K4	3563019735640190D		03000				0 NS
SUSAP	KDFWK4FI35C	I	050BOSSIK4PC0EE	R	HM		1764T010		03000				0 NS

[illegible][illegible]

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

QUALITY
2
456789012
HECK

SUP:	
AMDT:	2
DATED:	05/02/2013

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - FAR PART 97.29

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SUSAP KDFWK4STTT K4D

0

0902700272527009003625

M

QUALITY
2
CHECKED

CITY AND STATE
DALLAS-FORT WORTH, TX

ELEVATION: 607 TDZE: 35C 563
AIRPORT NAME: TDZE: 35L 564
DALLAS/FORT WORTH INTL

FACILITY
IDENTIFIER:
I-PKQ

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
ILS OR LOC RWY 35C, AMDT 3
ILS RWY 35C (SA CAT I), ILS RWY 35C (CAT II)
ILS RWY 35C (CAT III) 9/18/2014

SUP:
AMDT: 2
DATED: 05/02/2013

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
	RAYMA	RAYMA	010		IF		FB				AA 06000	
	RAYMA	TUFFO	020		TF		FB				AA 05000	
	RAYMA	DAYZZ	030		CF		FB		356.3 ()	006.3	AA 03000	
		DAYZZ	010	FACF	IF		FB				AA 03000 GI 02100	
		JOBBS	020	FAF	CF		FB		356.0 ()	003.0	GI 02100 GS 02100	
		RW35C	030	MAP	CF		FO		356.0 ()	004.6	AT 00622	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	BOSSI	040		CF		FO		356.4 ()	019.0	AA 03000	
	BOSSI	050		HM	R	FO		176.4 ()	001.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	TTT	N325208.98	W0970225.81	N3252.150	W09702.430
	IPKQ (DME)	N325234.13	W0970139.65	N3252.569	W09701.661
	BOSSI	N331154.90	W0970127.99	N3311.915	W09701.467
	DAYZZ	N324502.99	W0970136.69	N3245.050	W09701.612
	JOBBS	N324804.85	W0970135.72	N3248.081	W09701.595
	RAYMA	N323535.51	W0970139.73	N3235.592	W09701.662
	TUFFO	N323844.88	W0970138.72	N3238.748	W09701.645
	RW35C	N325243.96	W0970134.22	N3252.733	W09701.570
	IPKQ (LOC)	N325507.04	W0970133.45	N3255.117	W09701.558

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW35C	00562	55

CITY AND STATE
DALLAS-FORT WORTH, TX

ELEVATION: 607 TDZE: 35C 563
AIRPORT NAME: TDZE: 35L 564
DALLAS/FORT WORTH INTL

FACILITY
IDENTIFIER:
I-PKQ

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
ILS OR LOC RWY 35C, AMDT 3
ILS RWY 35C (SA CAT I), ILS RWY 35C (CAT II)
ILS RWY 35C (CAT III) 9/18/2014

SUP:
AMDT: 2
DATED: 05/02/2013

FLIGHT STANDARDS SERVICES - FAR PART 97.25

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[illegible]

SUP:	
AMDT:	2
DATED:	05/02/2013

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

LOC STANDARD INSTRUMENT APPROACH PROCEDUREFLIGHT 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 KDFWK4STTT K4D

0 0902700272527009003625

M

CITY AND STATE
DALLAS-FORT WORTH, TX

ELEVATION: 607 TDZE: 35C 563
AIRPORT NAME: TDZE: 35L 564
DALLAS/FORT WORTH INTL

FACILITY
IDENTIFIER:

I-PKQ

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
ILS OR LOC RWY 35C, AMDT 3
ILS RWY 35C (SA CAT I), ILS RWY 35C (CAT II)
ILS RWY 35C (CAT III) 9/18/2014

SUP:

AMDT: 2

DATED: 05/02/2013

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
	RAYMA	RAYMA	010		IF		FB				AA 06000	
	RAYMA	TUFFO	020		TF		FB				AA 05000	
	RAYMA	DAYZZ	030		CF		FB		356.3()	006.3	AA 03000	
		DAYZZ	010	FACF	IF		FB				AA 03000	
		JOBBS	020	FAF	CF		FB		356.0()	003.0	AA 02100	
		RW35C	030	MAP	CF		FO		356.0()	004.6	AT 00622	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	BOSSI	040		CF		FO		356.4()	019.0	AA 03000	
	BOSSI	050		HM	R	FO		176.4()	001.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	TTT	N325208.98	W0970225.81	N3252.150	W09702.430
	IPKQ (DME)	N325234.13	W0970139.65	N3252.569	W09701.661
	BOSSI	N331154.90	W0970127.99	N3311.915	W09701.467
	DAYZZ	N324502.99	W0970136.69	N3245.050	W09701.612
	JOBBS	N324804.85	W0970135.72	N3248.081	W09701.595
	RAYMA	N323535.51	W0970139.73	N3235.592	W09701.662
	TUFFO	N323844.88	W0970138.72	N3238.748	W09701.645
	RW35C	N325243.96	W0970134.22	N3252.733	W09701.570
	IPKQ (LOC)	N325507.04	W0970133.45	N3255.117	W09701.558

RUNWAY DATA	THRESHOLD	
RWY	ELEVATION	TCH
RW35C	00562	55

CITY AND STATE
DALLAS-FORT WORTH, TX

ELEVATION: 607 TDZE: 35C 563
AIRPORT NAME: TDZE: 35L 564
DALLAS/FORT WORTH INTL

FACILITY
IDENTIFIER:
I-PKQ

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
ILS OR LOC RWY 35C, AMDT 3
ILS RWY 35C (SA CAT I), ILS RWY 35C (CAT II)
ILS RWY 35C (CAT III) 9/18/2014

SUP:
AMDT: 2
DATED: 05/02/2013

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	LPV: DA LNAV/VNAV: DA LNAV: RW17C CLIMB TO AT OR BELOW 3000 DIRECT YUPRU THEN CLIMB TO 4000 ON TRACK 176.26 TO RAYMA AND HOLD. ADDITIONAL FLIGHT DATA: HOLD S, RT, 356.26 INBOUND. CHART FAS OBST: 742 BLDG-TWR 325520N/0970107W CHART: 838 TOWER 330013N/0970101W. DISTANCE TO THLD FROM 200 HAT: 0.45 NM. CHART VDP AT 1.14 MILES TO RW17C* *LNAV ONLY. WAAS CHANNEL # 97324 REFERENCE PATH ID: W17D CHART MAXIMUM 3000 AT YUPRU. LTP HAE: 144.1 M											
BOSSI (IF)	PENNY (FB)	176.26 / 3.15	5000												
PENNY	ZINGG (FB)	176.26 / 6.29	3000												
ZINGG	JIFFY (FB)	176.26 / 2.22	2300												
JIFFY (FAF)	RW17C (MAP) (FO)	176.26 / 5.28													
RW17C (MAP)	762 MSL	176.26													
762 MSL	YUPRU (FB)		3000												
YUPRU	RAYMA (FO)	176.26 / 14.11	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 BOSSI 3. FAC: <u>176.26</u> FAF: <u>JIFFY</u> DIST FAF TO MAP: <u>5.28</u> THLD: <u>5.28</u> 4. MIN. ALT: BOSSI 6000, PENNY 5000, ZINGG 3000, JIFFY 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>2300</u> GS ALT AT: <u>JIFFY 2300</u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u>3.00</u> TCH: <u>58.0</u> 34:1 IS CLEAR 8. MSA FROM: <u>RW17C 3600</u>				MAG VAR: 4E 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
LPV DA	762	2400	200	762	2400	200	762	2400	200	762	2400	200			
LNAV/VNAV DA	1068	6000	506	1068	6000	506	1068	6000	506	1068	6000	506			
LNAV MDA	1000	2400	438	1000	2400	438	1000	4000	438	1000	4000	438			
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -4C (25F) OR ABOVE 54C (130F). CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED WITH RWY 17L AND RWY 18L/R. CHART NOTE: DME/DME RNP-0.3 NA. CHART PLANVIEW NOTE: RADAR REQUIRED. (SEE FORM 8260-10)															
CITY AND STATE		ELEVATION: 607 TDZE: 562		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:					
DALLAS-FORT WORTH, TX		AIRPORT NAME:		DALLAS/FORT WORTH INTL		RNAV (GPS) RWY 17C, AMDT 2A 18 SEPTEMBER 2014				AMDT: 2					
										DATED 05/02/2013					



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.

NOTES, (CONT.):

CHART PROFILE NOTE: VGS1 AND RNAV GLIDEPATH NOT COINCIDENT.

CHART NOTE: LNAV PROCEDURE NA DURING SIMULTANEOUS OPERATIONS.

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

QUALITY
CHECKED

CITY AND STATE DALLAS-FORT WORTH, TX	ELEVATION: 607	TDZE: 562	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 17C, AMDT 2A 18 SEPTEMBER 2014	SUP:
	AIRPORT NAME:				AMDT: 2
	DALLAS/FORT WORTH INTL				DATED: 05/02/2013

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 KDFW
RUNWAY RW17C
APPROACH PERFORMANCE DESIGNATOR 0
ROUTE INDICATOR
REFERENCE PATH DATA SELECTOR 0
REFERENCE PATH IDENTIFIER (APPROACH ID) W17D
LTP/FTP LATITUDE 325456.5480N
LTP/FTP LONGITUDE 0970133.4940W
LTP/FTP ELLIPSOIDAL HEIGHT +01441
FPAP LATITUDE 325243.9620N
FPAP LONGITUDE 0970134.2095W
THRESHOLD CROSSING HEIGHT (TCH) 00058.0
TCH UNITS SELECTOR (METERS OR FEET USED) F
GLIDEPATH ANGLE (GPA) 03.00
COURSE WIDTH AT THRESHOLD 115.00
LENGTH OFFSET 0000
HORIZONTAL ALERT LIMIT (HAL) 40.0
VERTICAL ALERT LIMIT (VAL) 35.0

CRC REMAINDER

521B36E4

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K4
LTP ORTHOMETRIC HEIGHT +01713
FPAP ORTHOMETRIC HEIGHT +01713

QUALITY
9
CHECKED

CITY AND STATE
DALLAS-FORT WORTH, TX

ELEVATION: 607 TDZE: 562
AIRPORT NAME:
DALLAS/FORT WORTH INTL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 17C, AMDT 2A
18 SEPTEMBER 2014

SUP:
AMDT: 2
DATED: 05/02/2013

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	KDFWK4FR17C	R	010BOSSIK4EA0E	I	IF				+ 06000	18000		A JS	
SUSAP	KDFWK4FR17C	R	011PENNYK4EA0E	S	051TF		17630032		+ 05000			A JS	
SUSAP	KDFWK4FR17C	R	012ZINGGK4EA0E	S	051TF		17630063		+ 03000			A JS	
SUSAP	KDFWK4FR17C	R	020JIFFYK4EA1E	F	051TF		17630022		+ 02300		RW17C K4PGA	JS	
SUSAP	KDFWK4FR17C	R	020JIFFYK4EA2WALPV			ALNAV/VNAV ALNAV						JS	
SUSAP	KDFWK4FR17C	R	030RW17CK4PGOGY	M	031TF		17630053		00620	-300		A JS	
SUSAP	KDFWK4FR17C	R	040	0	M	CA	1763		+ 00762			A JS	
SUSAP	KDFWK4FR17C	R	050YUPRUK4EA0E		DF				- 03000			A JS	
SUSAP	KDFWK4FR17C	R	060RAYMAK4EA0EY		010TF		1763		+ 04000			A JS	
SUSAP	KDFWK4FR17C	R	070RAYMAK4EA0EE	R	HM		35630040		+ 04000			A JS	

[illegible]

CITY AND STATE DALLAS-FORT WORTH, TX	ELEVATION: 607 TDZE: 562 AIRPORT NAME: DALLAS/FORT WORTH INTL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 17C, AMDT 2A 18 SEPTEMBER 2014	SUP:
				AMDT: 2
				DATED: 05/02/2013

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
		BOSSI	010	FACF	IF		FB				AA 06000	
		PENNY	011	SDF	TF		FB	0.5	176.3 (180.3T)	003.2	AA 05000	
		ZINGG	012	SDF	TF		FB	0.5	176.3 (180.3T)	006.3	AA 03000	
		JIFFY	020	FAF	TF		FB	0.5	176.3 (180.3T)	002.2	AA 02300	
		RW17C	030	MAP	TF		FO	0.3	176.3 (180.3T)	005.3	AT 00620	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		176.3 (180.3T)		AA 00762	
	YUPRU	050		DF		FB				AB 03000	
	RAYMA	060		TF		FO	1.0	176.3 (180.3T)		AA 04000	
	RAYMA	070		HM	R	FO		356.3 (000.3T)	004.0	AA 04000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	BOSSI	N331154.90	W0970127.99	N3311.915	W09701.467
	JIFFY	N330013.71	W0970131.78	N3300.229	W09701.530
	PENNY	N330845.54	W0970129.02	N3308.759	W09701.484
	RAYMA	N323535.51	W0970139.73	N3235.592	W09701.662
	YUPRU	N324943.61	W0970135.23	N3249.727	W09701.587
	ZINGG	N330227.42	W0970131.06	N3302.457	W09701.518
	RW17C	N325456.55	W0970133.49	N3254.943	W09701.558

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW17C	00562	58

QUALITY
CHECKED

CITY AND STATE DALLAS-FORT WORTH, TX	ELEVATION: 607	TDZE: 562	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 17C, AMDT 2A 18 SEPTEMBER 2014	SUP:
	AIRPORT NAME: DALLAS/FORT WORTH INTL				AMDT: 2
					DATED: 05/02/2013

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	LPV: DA LNAV/VNAV: DA LNAV: RW17L CLIMB TO 1020 THEN CLIMBING LEFT TURN TO 3000 DIRECT TACKE AND HOLD. ADDITIONAL FLIGHT DATA: HOLD SE, RT, 328.22 INBOUND. CHART FAS OBST: 783 TWR 325351N/0970108W DISTANCE TO THLD FROM 200 HAT: 0.45 NM. CHART VDP AT 2.00 MILES TO RW17L* *LNAV ONLY. WAAS CHANNEL # 40008 REFERENCE PATH ID: W17B LTP HAE: 132.6 M											
RIVET (IF)	DRAAK (FB)	176.27 / 3.15	5000												
DRAAK	INWOD (FB)	176.27 / 6.29	3000												
INWOD	GBUSH (FB)	176.27 / 3.14	2300												
GBUSH (FAF)	RW17L (MAP) (FO)	176.27 / 5.40													
RW17L (MAP)	1020 MSL	176.27	1020												
1020 MSL	TACKE (FO)		3000												
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF)				MAG VAR: 4E EPOCH YEAR: 2015											
2. PROFILE STARTS AT RIVET															
3. FAC: <u>176.27</u> FAF: GBUSH DIST FAF TO MAP: <u>5.40</u> THLD: <u>5.40</u>															
4. MIN. ALT: RIVET 5000, DRAAK 5000, INWOD 3000, GBUSH 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>2300</u> GS ALT AT: GBUSH 2300 OM: <u> </u> MM: <u> </u> IM: <u> </u>															
7. GS ANGLE: <u>3.00</u> TCH: 55.5 34:1 IS CLEAR															
8. MSA FROM: RW17L 3600															
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	745	2400	200	745	2400	200	745	2400	200	745	2400	200			
LNAV/VNAV DA	1063	6000	518	1063	6000	518	1063	6000	518	1063	6000	518			
LNAV MDA	1240	2400	695	1240	2400	695	1240	1 1/2	695	1240	1 1/2	695			
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -5C (23F) OR ABOVE 54C (130F). CHART NOTE: DME/DME RNP-0.3 NA. CHART PLANVIEW NOTE: RADAR REQUIRED. CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT. (SEE FORM 8260-10)															
CITY AND STATE				ELEVATION: 607 TDZE: 545		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:			
DALLAS-FORT WORTH, TX				AIRPORT NAME:				RNAV (GPS) RWY 17L, AMDT 5				AMDT: 4			
				DALLAS/FORT WORTH INTL				18 SEPTEMBER 2014				DATED 05/02/2013			

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.

NOTES, (CONT.):

CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED WITH RWY 17 C/R AND RWY 18 L/R.

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

DALLAS-FORT WORTH, TX

ELEVATION: 607

TDZE: 545

AIRPORT NAME:

DALLAS/FORT WORTH INTL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 17L, AMDT 5

18 SEPTEMBER 2014

SUP:

AMDT:

4

DATED: 05/02/2013

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 KDFW
RUNWAY RW17L
APPROACH PERFORMANCE DESIGNATOR 0
ROUTE INDICATOR 0
REFERENCE PATH DATA SELECTOR W17B
REFERENCE PATH IDENTIFIER (APPROACH ID) 325353.9540N
LTP/FTP LATITUDE 0970035.2040W
LTP/FTP LONGITUDE +01326
LTP/FTP ELLIPSOIDAL HEIGHT 325224.6805N
FPAP LATITUDE 0970035.7045W
FPAP LONGITUDE 00055.5
THRESHOLD CROSSING HEIGHT (TCH) F
TCH UNITS SELECTOR (METERS OR FEET USED) 03.00
GLIDEPATH ANGLE (GPA) 106.75
COURSE WIDTH AT THRESHOLD 0160
LENGTH OFFSET 40.0
HORIZONTAL ALERT LIMIT (HAL) 35.0
VERTICAL ALERT LIMIT (VAL)

CRC REMAINDER

6EE06DB7

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K4
LTP ORTHOMETRIC HEIGHT +01597
FPAP ORTHOMETRIC HEIGHT +01597

CITY AND STATE

DALLAS-FORT WORTH, TX

ELEVATION: 607

TDZE: 545

AIRPORT NAME:

DALLAS/FORT WORTH INTL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 17L, AMDT 5

18 SEPTEMBER 2014

SUP:

AMDT:

4

DATED: 05/02/2013

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 PACKET - 424-18 - RNAV (GPS)

[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KDFWK4FR17L	R	010RIVETK4EA0E	I	IF				+ 05000	18000		A JS	
SUSAP	KDFWK4FR17L	R	011DRAAKK4EA0E	S	051TF		17630032		+ 05000			A JS	
SUSAP	KDFWK4FR17L	R	012INWODK4EA0E	S	051TF		17630063		+ 03000			A JS	
SUSAP	KDFWK4FR17L	R	020GBUSHK4EA1E	F	051TF		17630031		+ 02300		RW17L K4PGA	JS	
SUSAP	KDFWK4FR17L	R	020GBUSHK4EA2WALPV			ALNAV/VNAV	ALNAV					JS	
SUSAP	KDFWK4FR17L	R	030RW17LK4PG0GY	M	031TF		17630054		00580	-300		A JS	
SUSAP	KDFWK4FR17L	R	040		0 M CA		1763		+ 01020			A JS	
SUSAP	KDFWK4FR17L	R	050TACKEK4EA0EY	L	DF				+ 03000			A JS	
SUSAP	KDFWK4FR17L	R	060TACKEK4EA0EE	R	HM		32820040		+ 03000			A JS	

[illegible][illegible][illegible]

CITY AND STATE
DALLAS-FORT WORTH, TX

ELEVATION: 607	TDZE: 545
AIRPORT NAME: DALLAS/FORT WORTH INTL	

FACILITY
IDENTIFIER:**RNAV**

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
RNAV (GPS) RWY 17L, AMDT 5
 18 SEPTEMBER 2014

	SUP:

AMDT: 4

DATED: 05/02/2013

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
		RIVET	010	FACF	IF		FB				AA 05000	
		DRAAK	011	SDF	TF		FB	0.5	176.3 (180.3T)	003.2	AA 05000	
		INWOD	012	SDF	TF		FB	0.5	176.3 (180.3T)	006.3	AA 03000	
		GBUSH	020	FAF	TF		FB	0.5	176.3 (180.3T)	003.1	AA 02300	
		RW17L	030	MAP	TF		FO	0.3	176.3 (180.3T)	005.4	AT 00580	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		176.3 (180.3T)		AA 01020	
	TACKE	050		DF	L	FO				AA 03000	
	TACKE	060		HM	R	FO		328.2 (332.2T)	004.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	DRAAK	N330845.31	W0970030.21	N3308.755	W09700.504
	GBUSH	N325918.72	W0970033.38	N3259.312	W09700.556
	INWOD	N330227.19	W0970032.33	N3302.453	W09700.539
	RIVET	N331154.67	W0970029.14	N3311.911	W09700.486
	TACKE	N323400.00	W0963930.00	N3234.000	W09639.500
	RW17L	N325353.95	W0970035.20	N3253.899	W09700.587

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW17L	00524	56

CITY AND STATE
DALLAS-FORT WORTH, TX

ELEVATION: 607
AIRPORT NAME:
DALLAS/FORT WORTH INTL

TDZE: 545

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
RNAV (GPS) RWY 17L, AMDT 5
18 SEPTEMBER 2014

SUP:

AMDT: 4

DATED: 05/02/2013

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				
NETTS (IF)	GARZA (FB)	176.26 / 3.15	5000	LPV: DA LNAV/VNAV: DA LNAV: RW17R CLIMB TO AT OR BELOW 3000 DIRECT EYWEP THEN CLIMB TO 4000 ON TRACK 178.56 TO JASPA AND HOLD.			
GARZA	YALTA (FB)	176.26 / 6.29	3000				
YALTA	BBAKR (FB)	176.26 / 2.54	2200				
BBAKR (FAF)	RW17R (MAP) (FO)	176.26 / 4.96		ADDITIONAL FLIGHT DATA: HOLD N, RT, 178.56 INBOUND. CHART FAS OBST: 742 BLDG-TWR 325520N/0970107W OBST: 809 AAO 330007N/0970309W DISTANCE TO THLD FROM 200 HAT: 0.46 NM. CHART VDP AT 1.15 MILES TO RW17R* *LNAV ONLY. WAAS CHANNEL # 53505 REFERENCE PATH ID: W17A CHART MAXIMUM 3000 AT EYWEP. LTP HAE: 145.7 M			
RW17R (MAP)	767 MSL	176.26					
767 MSL	EYWEP (FB)		3000				
EYWEP	JASPA (FO)	178.56 / 32.59	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 NETTS			
3. FAC: <u>176.26</u> FAF: <u>BBAKR</u> DIST FAF TO MAP: <u>4.96</u> THLD: <u>4.96</u>			
4. MIN. ALT: NETTS 6000, GARZA 5000, YALTA 3000, BBAKR 2200			
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>2200</u> GS ALT AT: <u>BBAKR 2200</u> OM: <u> </u> MM: <u> </u> IM: <u> </u>			
7. GS ANGLE: <u>3.00</u> TCH: <u>53.7</u> 34:1 IS CLEAR			
8. MSA FROM: <u>RW17R 3600</u>			

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	767	2400	200	767	2400	200	767	2400	200	767	2400	200			
LNAV/VNAV DA	1066	6000	499	1066	6000	499	1066	6000	499	1066	6000	499			
LNAV MDA	1000	2400	433	1000	2400	433	1000	4000	433	1000	4000	433			

NOTES:

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -4C (25F) OR ABOVE 54C (130F).

CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED WITH RWY 17L AND RWY 18L/R.

CHART NOTE: DME/DME RNP-0.3 NA.

CHART PLANVIEW NOTE: RADAR REQUIRED.

(SEE FORM 8260-10)

CITY AND STATE DALLAS-FORT WORTH, TX		ELEVATION: 607 TDZE: 567 AIRPORT NAME: DALLAS/FORT WORTH INTL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 17R, AMDT 2A 18 SEPTEMBER 2014	SUP: AMDT: 2 DATED 05/02/2013



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 GLIDE PATH NOT COINCIDENT.

CHART NOTE: FOR INOPERATIVE MALSR INCREASE LNAV/VNAV ALL CATS VISIBILITY TO 1 5/8 MILE.

CHART NOTE: LNAV PROCEDURE NA DURING SIMULTANEOUS OPERATIONS.

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

QUALITY
9
CHECKED

CITY AND STATE
DALLAS-FORT WORTH, TX

ELEVATION: 607 TDZE: 567
AIRPORT NAME:
DALLAS/FORT WORTH INTL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 17R, AMDT 2A
18 SEPTEMBER 2014

SUP:
AMDT: 2
DATED: 05/02/2013

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 KDFW
RUNWAY RW17R
APPROACH PERFORMANCE DESIGNATOR 0
ROUTE INDICATOR
REFERENCE PATH DATA SELECTOR 0
REFERENCE PATH IDENTIFIER (APPROACH ID) W17A
LTP/FTP LATITUDE 325456.6000N
LTP/FTP LONGITUDE 0970147.5800W
LTP/FTP ELLIPSOIDAL HEIGHT +01457
FPAP LATITUDE 325244.0180N
FPAP LONGITUDE 0970148.2950W
THRESHOLD CROSSING HEIGHT (TCH) 00053.7
TCH UNITS SELECTOR (METERS OR FEET USED) F
GLIDEPATH ANGLE (GPA) 03.00
COURSE WIDTH AT THRESHOLD 115.00
LENGTH OFFSET 0000
HORIZONTAL ALERT LIMIT (HAL) 40.0
VERTICAL ALERT LIMIT (VAL) 35.0

CRC REMAINDER

530AA455

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K4
LTP ORTHOMETRIC HEIGHT +01727
FPAP ORTHOMETRIC HEIGHT +01727

QUALITY
CHECKED

CITY AND STATE

DALLAS-FORT WORTH, TX

ELEVATION: 607

TDZE: 567

AIRPORT NAME:

DALLAS/FORT WORTH INTL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 17R, AMDT 2A

18 SEPTEMBER 2014

SUP:

AMDT: 2

DATED: 05/02/2013

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]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KDFWK4FR17R	R	010NETTSK4EA0E	I	IF				+ 06000	18000		A	JS
SUSAP	KDFWK4FR17R	R	011GARZAK4EA0E	S	051TF		17630032		+ 05000			A	JS
SUSAP	KDFWK4FR17R	R	012YALTAK4EA0E	S	051TF		17630063		+ 03000			A	JS
SUSAP	KDFWK4FR17R	R	020BBAKRRK4EA1E	F	051TF		17630025		+ 02200		RW17R K4PGA	JS	
SUSAP	KDFWK4FR17R	R	020BBAKRRK4EA2WALPV			ALNAV/VNAV ALNAV						JS	
SUSAP	KDFWK4FR17R	R	030RW17RK4PGOGY	M	031TF		17630050		00620	-300		A	JS
SUSAP	KDFWK4FR17R	R	040	0	M	CA	1763		+ 00767			A	JS
SUSAP	KDFWK4FR17R	R	050EYWEPK4EA0E		DF				- 03000			A	JS
SUSAP	KDFWK4FR17R	R	060JASPAK4EA0EY		010TF		1786		+ 04000			A	JS
SUSAP	KDFWK4FR17R	R	070JASPAK4EA0EE	R	HM		17860040		+ 04000			A	JS

[illegible][illegible][illegible]

CITY AND STATE DALLAS-FORT WORTH, TX	ELEVATION: 607	TDZE: 567	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME: DALLAS/FORT WORTH INTL			RNAV (GPS) RWY 17R, AMDT 2A	AMDT: 2
			RNAV	18 SEPTEMBER 2014	DATED: 05/02/2013

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
		NETTS	010	FACF	IF		FB				AA 06000	
		GARZA	011	SDF	TF		FB	0.5	176.3 (180.3T)	003.2	AA 05000	
		YALTA	012	SDF	TF		FB	0.5	176.3 (180.3T)	006.3	AA 03000	
		BBAKR	020	FAF	TF		FB	0.5	176.3 (180.3T)	002.5	AA 02200	
		RW17R	030	MAP	TF		FO	0.3	176.3 (180.3T)	005.0	AT 00620	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		176.3 (180.3T)		AA 00767	
	EYWEP	050		DF		FB				AB 03000	
	JASPA	060		TF		FO	1.0	178.6 (182.6T)		AA 04000	
	JASPA	070		HM	R	FO		178.6 (182.6T)	004.0	AA 04000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	BBAKR	N325954.82	W0970145.97	N3259.914	W09701.766
	EYWEP	N324943.66	W0970149.26	N3249.728	W09701.821
	GARZA	N330845.59	W0970143.11	N3308.760	W09701.719
	JASPA	N321706.11	W0970332.37	N3217.102	W09703.540
	NETTS	N331154.96	W0970142.08	N3311.916	W09701.701
	YALTA	N330227.47	W0970145.15	N3302.458	W09701.753
	RW17R	N325456.60	W0970147.58	N3254.943	W09701.793

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW17R	00567	52



CITY AND STATE
DALLAS-FORT WORTH, TX

ELEVATION: 607 TDZE: 567
 AIRPORT NAME:
 DALLAS/FORT WORTH INTL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
 RNAV (GPS) RWY 17R, AMDT 2A
 18 SEPTEMBER 2014

SUP:
AMDT: 2
DATED: 05/02/2013

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	LPV: DA LNAV/VNAV: DA LNAV: RW18L CLIMB TO 1100, THEN CLIMBING RIGHT TURN TO 3000 DIRECT LIKES AND HOLD. ADDITIONAL FLIGHT DATA: HOLD NE, RT, 223.97 INBOUND. CHART FAS OBST: 958 TOWER 325903N/0970355W DISTANCE TO THLD FROM 200 HAT: 0.46 NM. CHART VDP AT 1.72 MILES TO RW18L* *LNAV ONLY. WAAS CHANNEL # 86807 REFERENCE PATH ID: W18A LTP HAE: 156.2 M											
GRUCH (IF)	ALIGN (FB)	176.25 / 3.15	3000												
ALIGN	UDALL (FB)	176.25 / 6.29	3000												
UDALL	HASTY (FB)	176.25 / 2.34	2300												
HASTY (FAF)	RW18L (MAP) (FO)	176.25 / 5.16													
RW18L (MAP)	1100 MSL	176.25	1100												
1100 MSL	LIKES (FO)		3000												
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 GRUCH 3. FAC: <u>176.25</u> FAF: <u>HASTY</u> DIST FAF TO MAP: <u>5.16</u> THLD: <u>5.16</u> 4. MIN. ALT: GRUCH 4000, ALIGN 3000, UDALL 3000, HASTY 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>2300</u> GS ALT AT: <u>HASTY 2300</u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u>3.00</u> TCH: <u>54.5</u> 34:1 IS CLEAR 8. MSA FROM: RW18L 3600				MAG VAR: 4E 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	802	2400	200	802	2400	200	802	2400	200	802	2400	200			
LNAV/VNAV DA	980	4000	378	980	4000	378	980	4000	378	980	4000	378			
LNAV MDA	1220	2400	618	1220	2400	618	1220	1 3/8	618	1220	1 3/8	618			
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -4C (25F) OR ABOVE 54C (130F). CHART NOTE: FOR INOPERATIVE MALSR, INCREASE LNAV CATS C AND D VISIBILITY TO 1 3/4. CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED WITH RWY 17L/C/R. CHART NOTE: DME/DME RNP-0.3 NA. (SEE FORM 8260-10)															
CITY AND STATE		ELEVATION: 607 TDZE: 602		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:					
DALLAS-FORT WORTH, TX		AIRPORT NAME:		DALLAS/FORT WORTH INTL		RNAV (GPS) RWY 18L, AMDT 1A 18 SEPTEMBER 2014				AMDT: 1					
										DATED 05/02/2013					

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 PLANVIEW NOTE: RADAR REQUIRED.

CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.

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

DALLAS-FORT WORTH, TX

ELEVATION: 607

TDZE: 602

AIRPORT NAME:

DALLAS/FORT WORTH INTL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 18L, AMDT 1A

18 SEPTEMBER 2014

SUP:

AMDT: 1

DATED: 05/02/2013

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 KDFW
RUNWAY RW18L
APPROACH PERFORMANCE DESIGNATOR 0
ROUTE INDICATOR
REFERENCE PATH DATA SELECTOR 0
REFERENCE PATH IDENTIFIER (APPROACH ID) W18A
LTP/FTP LATITUDE 325456.8770N
LTP/FTP LONGITUDE 0970302.6480W
LTP/FTP ELLIPSOIDAL HEIGHT +01562
FPAP LATITUDE 325244.2980N
FPAP LONGITUDE 0970303.3345W
THRESHOLD CROSSING HEIGHT (TCH) 00054.5
TCH UNITS SELECTOR (METERS OR FEET USED) F
GLIDEPATH ANGLE (GPA) 03.00
COURSE WIDTH AT THRESHOLD 115.00
LENGTH OFFSET 0000
HORIZONTAL ALERT LIMIT (HAL) 40.0
VERTICAL ALERT LIMIT (VAL) 35.0

CRC REMAINDER

3DCAB963

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K4
LTP ORTHOMETRIC HEIGHT +01834
FPAP ORTHOMETRIC HEIGHT +01834

CITY AND STATE

DALLAS-FORT WORTH, TX

ELEVATION: 607

TDZE: 602

AIRPORT NAME:

DALLAS/FORT WORTH INTL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 18L, AMDT 1A

18 SEPTEMBER 2014

SUP:

AMDT: 1

DATED: 05/02/2013

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)

WP	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAEAEENRT	ALIGN	K40	C	N33084588W	097025835			E0038	NAR		ALIGN		
SUSAEAEENRT	GRUCH	K40	C	N33115524W	097025736			E0038	NAR		GRUCH		
SUSAEAEENRT	HASTY	K40	C	N33000718W	097030104			E0038	NAR		HASTY		
SUSAEAEENRT	LIKES	K40	C	L N32351299W	097343014			E0041	NAR		LIKES		
SUSAEAEENRT	UDALL	K40	C	N33022776W	097030031			E0038	NAR		UDALL		

[illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KDFWK4FR18L	R	010GRUCHK4EA0E	I	IF				+ 04000	18000			A JS
SUSAP	KDFWK4FR18L	R	011ALIGNK4EA0E	S	051TF		17630032		+ 03000				A JS
SUSAP	KDFWK4FR18L	R	012UDALLK4EA0E	S	051TF		17630063		+ 03000				A JS
SUSAP	KDFWK4FR18L	R	020HASTYK4EA1E	F	051TF		17630023		+ 02300			RW18L K4PGA	JS
SUSAP	KDFWK4FR18L	R	020HASTYK4EA2WALPV			ALNAV/VNAV	ALNAV						JS
SUSAP	KDFWK4FR18L	R	030RW18LK4PG0GY	M	031TF		17630052		00656		-300		A JS
SUSAP	KDFWK4FR18L	R	040		0 M	CA	1763		+ 01100				A JS
SUSAP	KDFWK4FR18L	R	050LIKESK4EA0EY	R	DF				+ 03000				A JS
SUSAP	KDFWK4FR18L	R	060LIKESK4EA0EE	R	HM		22400040		+ 03000				A JS

[illegible][illegible][illegible]

CITY AND STATE
DALLAS-FORT WORTH, TX

ELEVATION: 607 TDZE: 602
AIRPORT NAME:
DALLAS/FORT WORTH INTL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
RNAV (GPS) RWY 18L, AMDT 1A
18 SEPTEMBER 2014

SUP:	
AMDT:	1
DATED:	05/02/2013

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
		GRUCH	010	FACF	IF		FB				AA 04000	
		ALIGN	011	SDF	TF		FB	0.5	176.3 (180.3T)	003.2	AA 03000	
		UDALL	012	SDF	TF		FB	0.5	176.3 (180.3T)	006.3	AA 03000	
		HASTY	020	FAF	TF		FB	0.5	176.3 (180.3T)	002.3	AA 02300	
		RW18L	030	MAP	TF		FO	0.3	176.3 (180.3T)	005.2	AT 00656	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		176.3 (180.3T)		AA 01100	
	LIKES	050		DF	R	FO				AA 03000	
	LIKES	060		HM	R	FO		224.0 (228.0T)	004.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	ALIGN	N330845.88	W0970258.35	N3308.765	W09702.973
	GRUCH	N331155.24	W0970257.36	N3311.921	W09702.956
	HASTY	N330007.18	W0970301.04	N3300.120	W09703.017
	LIKES	N323512.99	W0973430.14	N3235.217	W09734.502
	UDALL	N330227.76	W0970300.31	N3302.463	W09703.005
	RW18L	N325456.88	W0970302.65	N3254.948	W09703.044

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW18L	00602	55

CITY AND STATE DALLAS-FORT WORTH, TX	ELEVATION: 607	TDZE: 602	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 18L, AMDT 1A 18 SEPTEMBER 2014	SUP:
	AIRPORT NAME: DALLAS/FORT WORTH INTL				AMDT: 1
					DATED: 05/02/2013

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: RW18R CLIMB TO 1100 THEN CLIMBING RIGHT TURN TO 3000 DIRECT LIKES AND HOLD. ADDITIONAL FLIGHT DATA: HOLD NE, RT, 223.97 INBOUND. CHART FAS OBST: 958 TOWER 325903N/0970355W DISTANCE TO THLD FROM 200 HAT: 0.44 NM. CHART VDP AT 1.68 MILES TO RW18R* *LNAV ONLY. WAAS CHANNEL # 99407 REFERENCE PATH ID: W18B LTP HAE: 157.7 M				
ICKEL (IF)		YOHAN (FB)		176.25 / 3.15		3000						
YOHAN		LEGRE (FB)		176.25 / 6.29		3000						
LEGRE		NETEE (FB)		176.25 / 2.05		2400						
NETEE (FAF)		RW18R (MAP) (FO)		176.25 / 5.45								
RW18R (MAP)		1100 MSL		176.25		1100						
1100 MSL		LIKES (FO)				3000						
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 ICKEL 3. FAC: <u>176.25</u> FAF: <u>NETEE</u> DIST FAF TO MAP: <u>5.45</u> THLD: <u>5.45</u> 4. MIN. ALT: ICKEL 4000, YOHAN 3000, LEGRE 3000, NETEE 2400 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>2400</u> GS ALT AT: <u>NETEE 2400</u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u>3.00</u> TCH: <u>58.6</u> 34:1 IS CLEAR 8. MSA FROM: <u>RW18R 3600</u>								MAG VAR: 4E 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
LPV DA	807	2400	200	807	2400	200	807	2400	200	807	2400	200
LNAV/VNAV DA	980	4000	373	980	4000	373	980	4000	373	980	4000	373
LNAV MDA	1220	2400	613	1220	2400	613	1220	1 3/8	613	1220	1 3/8	613
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -4C (25F) OR ABOVE 54C (130F). CHART NOTE: FOR INOPERATIVE ALSF, INCREASE LNAV CAT C/D VISIBILITY TO 1 3/4 MILE. CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED WITH RWY 17L/C/R. CHART NOTE: DME/DME RNP-0.3 NA. (SEE FORM 8260-10)												
CITY AND STATE		ELEVATION: 607 TDZE: 607		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:		
DALLAS-FORT WORTH, TX		AIRPORT NAME:		DALLAS/FORT WORTH INTL		RNAV (GPS) RWY 18R, AMDT 1A 18 SEPTEMBER 2014				AMDT: 1		
										DATED 05/02/2013		

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.

NOTES, (CONT.):

CHART PLANVIEW NOTE: RADAR REQUIRED.

CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.

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

DALLAS-FORT WORTH, TX

ELEVATION: 607

TDZE: 607

AIRPORT NAME:

DALLAS/FORT WORTH INTL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 18R, AMDT 1A

18 SEPTEMBER 2014

SUP:

AMDT: 1

DATED: 05/02/2013

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 KDFW
RUNWAY RW18R
APPROACH PERFORMANCE DESIGNATOR 0
ROUTE INDICATOR
REFERENCE PATH DATA SELECTOR 0
REFERENCE PATH IDENTIFIER (APPROACH ID) W18B
LTP/FTP LATITUDE 325456.9330N
LTP/FTP LONGITUDE 0970316.7105W
LTP/FTP ELLIPSOIDAL HEIGHT +01577
FPAP LATITUDE 325244.3500N
FPAP LONGITUDE 0970317.3985W
THRESHOLD CROSSING HEIGHT (TCH) 00058.6
TCH UNITS SELECTOR (METERS OR FEET USED) F
GLIDEPATH ANGLE (GPA) 03.00
COURSE WIDTH AT THRESHOLD 115.00
LENGTH OFFSET 0000
HORIZONTAL ALERT LIMIT (HAL) 40.0
VERTICAL ALERT LIMIT (VAL) 35.0

CRC REMAINDER

98B3752C

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K4
LTP ORTHOMETRIC HEIGHT +01849
FPAP ORTHOMETRIC HEIGHT +01849

CITY AND STATE

DALLAS-FORT WORTH, TX

ELEVATION: 607

TDZE: 607

AIRPORT NAME:

DALLAS/FORT WORTH INTL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 18R, AMDT 1A

18 SEPTEMBER 2014

SUP:

AMDT: 1

DATED: 05/02/2013

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]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KDFWK4FR18R	R	010	ICKELK4EA0E	I	IF			+ 04000	18000		A	JS
SUSAP	KDFWK4FR18R	R	011	YOHANK4EA0E	S	051TF	17630032		+ 03000			A	JS
SUSAP	KDFWK4FR18R	R	012	LEGREK4EA0E	S	051TF	17630063		+ 03000			A	JS
SUSAP	KDFWK4FR18R	R	020	NETEEK4EA1E	F	051TF	17630021		+ 02400		RW18R K4PGA	JS	
SUSAP	KDFWK4FR18R	R	020	NETEEK4EA2WALPV		ALNAV/VNAV ALNAV						JS	
SUSAP	KDFWK4FR18R	R	030	RW18RK4PGOGY	M	031TF	17630055	00665		-300		A	JS
SUSAP	KDFWK4FR18R	R	040		0	M CA	1763		+ 01100			A	JS
SUSAP	KDFWK4FR18R	R	050	LIIKESK4EA0EY	R	DF			+ 03000			A	JS
SUSAP	KDFWK4FR18R	R	060	LIIKESK4EA0EE	R	HM	22400040		+ 03000			A	JS

[illegible][illegible][illegible]

CITY AND STATE DALLAS-FORT WORTH, TX	ELEVATION: 607	TDZE: 607	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 18R, AMDT 1A 18 SEPTEMBER 2014	SUP:
	AIRPORT NAME: DALLAS/FORT WORTH INTL				AMDT: 1
					DATED: 05/02/2013

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
		ICKEL	010	FACF	IF		FB				AA 04000	
		YOHAN	011	SDF	TF		FB	0.5	176.3 (180.3T)	003.2	AA 03000	
		LEGRE	012	SDF	TF		FB	0.5	176.3 (180.3T)	006.3	AA 03000	
		NETEE	020	FAF	TF		FB	0.5	176.3 (180.3T)	002.1	AA 02400	
		RW18R	030	MAP	TF		FO	0.3	176.3 (180.3T)	005.5	AT 00665	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		176.3 (180.3T)		AA 01100	
	LIKES	050		DF	R	FO				AA 03000	
	LIKES	060		HM	R	FO		224.0 (228.0T)	004.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	ICKEL	N331155.29	W0970311.43	N3311.922	W09703.191
	LEGRE	N330227.81	W0970314.38	N3302.464	W09703.240
	LIKES	N323512.99	W0973430.14	N3235.217	W09734.502
	NETEE	N330024.40	W0970315.01	N3300.407	W09703.250
	YOHAN	N330845.93	W0970312.42	N3308.766	W09703.207
	RW18R	N325456.93	W0970316.71	N3254.949	W09703.279

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW18R	00607	59

QUALITY
CHECKED

CITY AND STATE
DALLAS-FORT WORTH, TX

ELEVATION: 607 TDZE: 607
 AIRPORT NAME:
 DALLAS/FORT WORTH INTL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
 RNAV (GPS) RWY 18R, AMDT 1A
 18 SEPTEMBER 2014

SUP:
 AMDT: 1
 DATED: 05/02/2013

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: RW35C CLIMB TO 3000 DIRECT BOSSI AND HOLD. ADDITIONAL FLIGHT DATA: HOLD N, RT, 176.26 INBOUND. CHART FAS OBST: 694 ROD 325237N/0970053W FAS OBST: 740 AAO 324914N/0970204W DISTANCE TO THLD FROM 200 HAT: 0.44 NM. CHART VDP AT 1.26 MILES TO RW35C* *LNAV ONLY. WAAS CHANNEL # 40025 REFERENCE PATH ID: W35D LTP HAE: 144.4 M											
RAYMA (IF)	TUFFO (FB)	356.26 / 3.15	5000												
TUFFO	DAYZZ (FB)	356.26 / 6.29	3000												
DAYZZ	JOBBS (FB)	356.26 / 3.03	2100												
JOBBS (FAF)	RW35C (MAP) (FO)	356.26 / 4.64													
RW35C (MAP)	763 MSL	356.26													
763 MSL	BOSSI (FO)		3000												
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 RAYMA 3. FAC: <u>356.26</u> FAF: <u>JOBBS</u> DIST FAF TO MAP: <u>4.64</u> THLD: <u>4.64</u> 4. MIN. ALT: RAYMA 6000, TUFFO 5000, DAYZZ 3000, JOBBS 2100 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>2100</u> GS ALT AT: <u>JOBBS 2100</u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u>3.00</u> TCH: <u>59.3</u> 34:1 IS CLEAR 8. MSA FROM: <u>RW35C 3600</u>				MAG VAR: 4E 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	763	2400	200	763	2400	200	763	2400	200	763	2400	200			
LNAV/VNAV DA	932	4000	369	932	4000	369	932	4000	369	932	4000	369			
LNAV MDA	1040	2400	477	1040	2400	477	1040	5000	477	1040	5000	477			
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -4C (25F) OR ABOVE 54C (130F). CHART NOTE: FOR INOPERATIVE ALSF, INCREASE LNAV/VNAV ALL CATS VISIBILITY TO RVR 6000. CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED WITH RWY 36L/R AND RWY 35R. CHART NOTE: DME/DME RNP-0.3 NA. (SEE FORM 8260-10)															
CITY AND STATE		ELEVATION: 607 TDZE: 563		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:					
DALLAS-FORT WORTH, TX		AIRPORT NAME:		DALLAS/FORT WORTH INTL		RNAV (GPS) RWY 35C, AMDT 3A 18 SEPTEMBER 2014				AMDT: 3					
										DATED 05/02/2013					

QUALITY
9
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: RADAR REQUIRED.

CHART PROFILE NOTE: VGSi AND RNAV GLIDEPATH NOT COINCIDENT.

CHART NOTE: LNAV PROCEDURE NA DURING SIMULTANEOUS OPERATIONS.

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

QUALITY
9
CHECKED

CITY AND STATE

DALLAS-FORT WORTH, TX

ELEVATION: 607

TDZE: 563

AIRPORT NAME:

DALLAS/FORT WORTH INTL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 35C, AMDT 3A

18 SEPTEMBER 2014

SUP:

AMDT: 3

DATED: 05/02/2013

**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 INFORMATION**DATA FIELD****DATA**

OPERATION TYPE 0
SBAS SERVICE PROVIDER IDENTIFIER 0
AIRPORT IDENTIFIER KDFW
RUNWAY RW35C
APPROACH PERFORMANCE DESIGNATOR 0
ROUTE INDICATOR
REFERENCE PATH DATA SELECTOR 0
REFERENCE PATH IDENTIFIER (APPROACH ID) W35D
LTP/FTP LATITUDE 325243.9620N
LTP/FTP LONGITUDE 0970134.2180W
LTP/FTP ELLIPSOIDAL HEIGHT +01444
FPAP LATITUDE 325456.5480N
FPAP LONGITUDE 0970133.5035W
THRESHOLD CROSSING HEIGHT (TCH) 00059.3
TCH UNITS SELECTOR (METERS OR FEET USED) F
GLIDEPATH ANGLE (GPA) 03.00
COURSE WIDTH AT THRESHOLD 115.00
LENGTH OFFSET 0000
HORIZONTAL ALERT LIMIT (HAL) 40.0
VERTICAL ALERT LIMIT (VAL) 35.0

CRC REMAINDER

9F3571D1

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K4
LTP ORTHOMETRIC HEIGHT +01714
FPAP ORTHOMETRIC HEIGHT +01714

QUALITY
9
CHECKED

CITY AND STATE

DALLAS-FORT WORTH, TX

ELEVATION: 607

TDZE: 563

AIRPORT NAME:

DALLAS/FORT WORTH INTL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 35C, AMDT 3A

18 SEPTEMBER 2014

SUP:

AMDT: 3

DATED: 05/02/2013

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]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KDFWK4FR35C	R	010RAYMAK4EA0E	I	IF				+ 06000	18000		A JS	
SUSAP	KDFWK4FR35C	R	011TUFFOK4EA0E	S	051TF		35630032		+ 05000			A JS	
SUSAP	KDFWK4FR35C	R	012DAYZZK4EA0E	S	051TF		35630063		+ 03000			A JS	
SUSAP	KDFWK4FR35C	R	020JOBBSK4EA1E	F	051TF		35630030		+ 02100		RW35C K4PGA	JS	
SUSAP	KDFWK4FR35C	R	020JOBBSK4EA2WALPV			ALNAV/VNAV	ALNAV					JS	
SUSAP	KDFWK4FR35C	R	030RW35CK4PG0GY	M	031TF		35630046		00622	-300		A JS	
SUSAP	KDFWK4FR35C	R	040		0 M	CA	3563		+ 00763			A JS	
SUSAP	KDFWK4FR35C	R	050BOSSIK4EA0EY		DF				+ 03000			A JS	
SUSAP	KDFWK4FR35C	R	060BOSSIK4EA0EE	R	HM		17630040		+ 03000			A JS	

[illegible][illegible][illegible]

CITY AND STATE DALLAS-FORT WORTH, TX	ELEVATION: 607	TDZE: 563	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 35C, AMDT 3A 18 SEPTEMBER 2014	SUP:
	AIRPORT NAME: DALLAS/FORT WORTH INTL	FACILITY IDENTIFIER: RNAV		AMDT: 3
				DATED: 05/02/2013

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
		RAYMA	010	FACF	IF		FB				AA 06000	
		TUFFO	011	SDF	TF		FB	0.5	356.3 (000.3T)	003.2	AA 05000	
		DAYZZ	012	SDF	TF		FB	0.5	356.3 (000.3T)	006.3	AA 03000	
		JOBBS	020	FAF	TF		FB	0.5	356.3 (000.3T)	003.0	AA 02100	
		RW35C	030	MAP	TF		FO	0.3	356.3 (000.3T)	004.6	AT 00622	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		356.3 (000.3T)		AA 00763	
	BOSSI	050		DF		FO				AA 03000	
	BOSSI	060		HM	R	FO		176.3 (180.3T)	004.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	BOSSI	N331154.90	W0970127.99	N3311.915	W09701.467
	DAYZZ	N324502.99	W0970136.69	N3245.050	W09701.612
	JOBBS	N324804.85	W0970135.72	N3248.081	W09701.595
	RAYMA	N323535.51	W0970139.73	N3235.592	W09701.662
	TUFFO	N323844.88	W0970138.72	N3238.748	W09701.645
	RW35C	N325243.96	W0970134.22	N3252.733	W09701.570

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW35C	00562	59

9
CHECKED

CITY AND STATE DALLAS-FORT WORTH, TX	ELEVATION: 607	TDZE: 563	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 35C, AMDT 3A 18 SEPTEMBER 2014	SUP:
	AIRPORT NAME: DALLAS/FORT WORTH INTL				AMDT: 3
					DATED: 05/02/2013

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			LPV: DA LNAV/VNAV: DA LNAV: RW35L CLIMB TO 3000 DIRECT BBAKR AND ON TRACK 357.20 TO BOSSI AND HOLD. ADDITIONAL FLIGHT DATA: HOLD N, RT, 176.26 INBOUND. FAS OBST: 740 AAO 324914N/0970204W DISTANCE TO THLD FROM 200 HAT: 0.48 NM. CHART VDP AT 1.23 MILES TO RW35L* *LNAV ONLY. WAAS CHANNEL # 45805 REFERENCE PATH ID: W35B LTP HAE: 144.7 M					
TANDE (IF)	CORMN (FB)			356.26 / 3.15			5000								
CORMN	DALLN (FB)			356.26 / 6.29			3000								
DALLN	BEGGO (FB)			356.26 / 2.36			2300								
BEGGO (FAF)	RW35L (MAP) (FO)			356.26 / 5.31											
RW35L (MAP)	764 MSL			356.26											
764 MSL	BBAKR (FB)														
BBAKR	BOSSI (FO)			357.20 / 11.98			3000								
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 TANDE 3. FAC: <u>356.26</u> FAF: <u>BEGGO</u> DIST FAF TO MAP: <u>5.31</u> THLD: <u>5.31</u> 4. MIN. ALT: TANDE 6000, CORMN 5000, DALLN 3000, BEGGO 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>2300</u> GS ALT AT: <u>BEGGO 2300</u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u>3.00</u> TCH: <u>46.8</u> 34:1 IS CLEAR 8. MSA FROM: <u>RW35L 3600</u>										MAG VAR: 4E 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	764	2400	200	764	2400	200	764	2400	200	764	2400	200			
LNAV/VNAV DA	928	4000	364	928	4000	364	928	4000	364	928	4000	364			
LNAV MDA	1020	2400	456	1020	2400	456	1020	4500	456	1020	4500	456			
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -4C (25F) OR ABOVE 54C (130F). CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED WITH RWY 36L/R AND RWY 35R. CHART NOTE: DME/DME RNP-0.3 NA. CHART PLANVIEW NOTE: RADAR REQUIRED. (SEE FORM 8260-10)															
CITY AND STATE DALLAS-FORT WORTH, TX		ELEVATION: 607 TDZE: 564 AIRPORT NAME: DALLAS/FORT WORTH INTL		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 35L, AMDT 2A 18 SEPTEMBER 2014					SUP: AMDT: 2 DATED 05/02/2013				



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.

NOTES, (CONT.):

CHART PROFILE NOTE: VGS1 AND RNAV GLIDEPATH NOT COINCIDENT.

CHART NOTE: LNAV PROCEDURE NA DURING SIMULTANEOUS OPERATIONS.

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

QUALITY
9
CHECKED

CITY AND STATE

DALLAS-FORT WORTH, TX

ELEVATION: 607

TDZE: 564

AIRPORT NAME:

DALLAS/FORT WORTH INTL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 35L, AMDT 2A

18 SEPTEMBER 2014

SUP:

AMDT: 2

DATED: 05/02/2013

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 KDFW
RUNWAY RW35L
APPROACH PERFORMANCE DESIGNATOR 0
ROUTE INDICATOR
REFERENCE PATH DATA SELECTOR 0
REFERENCE PATH IDENTIFIER (APPROACH ID) W35B
LTP/FTP LATITUDE 325244.0180N
LTP/FTP LONGITUDE 0970148.2920W
LTP/FTP ELLIPSOIDAL HEIGHT +01447
FPAP LATITUDE 325456.6000N
FPAP LONGITUDE 0970147.5810W
THRESHOLD CROSSING HEIGHT (TCH) 00046.8
TCH UNITS SELECTOR (METERS OR FEET USED) F
GLIDEPATH ANGLE (GPA) 03.00
COURSE WIDTH AT THRESHOLD 115.00
LENGTH OFFSET 0000
HORIZONTAL ALERT LIMIT (HAL) 40.0
VERTICAL ALERT LIMIT (VAL) 35.0

CRC REMAINDER

58517BB5

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K4
LTP ORTHOMETRIC HEIGHT +01717
FPAP ORTHOMETRIC HEIGHT +01717

CITY AND STATE

DALLAS-FORT WORTH, TX

ELEVATION: 607

TDZE: 564

AIRPORT NAME:

DALLAS/FORT WORTH INTL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 35L, AMDT 2A

18 SEPTEMBER 2014

SUP:

AMDT: 2

DATED: 05/02/2013

QUALITY
9
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.

[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KDFWK4FR35L	R	010TANDEK4EA0E	I	IF				+ 06000	18000		A JS	
SUSAP	KDFWK4FR35L	R	011CORMNK4EA0E	S	051TF		35630032		+ 05000			A JS	
SUSAP	KDFWK4FR35L	R	012DALLNK4EA0E	S	051TF		35630063		+ 03000			A JS	
SUSAP	KDFWK4FR35L	R	020BEGGOK4EA1E	F	051TF		35630024		+ 02300		RW35L K4PGA	JS	
SUSAP	KDFWK4FR35L	R	020BEGGOK4EA2WALPV			ALNAV/VNAV	ALNAV					JS	
SUSAP	KDFWK4FR35L	R	030RW35LK4PGOGY	M	031TF		35630053		00610	-300		A JS	
SUSAP	KDFWK4FR35L	R	040	0	M	CA	3563		+ 00764			A JS	
SUSAP	KDFWK4FR35L	R	050BBAKRK4EA0E		DF							A JS	
SUSAP	KDFWK4FR35L	R	060BOSSIK4EA0EY		010TF		3572		+ 03000			A JS	
SUSAP	KDFWK4FR35L	R	070BOSSIK4EA0EE	R	HM		17630040		+ 03000			A JS	

[illegible][illegible][illegible]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
		TANDE	010	FACF	IF		FB				AA 06000	
		CORMN	011	SDF	TF		FB	0.5	356.3 (000.3T)	003.2	AA 05000	
		DALLN	012	SDF	TF		FB	0.5	356.3 (000.3T)	006.3	AA 03000	
		BEGGO	020	FAF	TF		FB	0.5	356.3 (000.3T)	002.4	AA 02300	
		RW35L	030	MAP	TF		FO	0.3	356.3 (000.3T)	005.3	AT 00610	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		356.3 (000.3T)		AA 00764	
	BBAKR	050		DF		FB					
	BOSSI	060		TF		FO	1.0	357.2 (001.2T)		AA 03000	
	BOSSI	070		HM	R	FO		176.3 (180.3T)	004.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	BBAKR	N325954.82	W0970145.97	N3259.914	W09701.766
	BEGGO	N324725.01	W0970150.00	N3247.417	W09701.833
	BOSSI	N331154.90	W0970127.99	N3311.915	W09701.467
	CORMN	N323844.92	W0970152.79	N3238.749	W09701.880
	DALLN	N324503.03	W0970150.77	N3245.051	W09701.846
	TANDE	N323535.55	W0970153.80	N3235.593	W09701.897
	RW35L	N325244.02	W0970148.29	N3252.734	W09701.805

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW35L	00563	47

CITY AND STATE
DALLAS-FORT WORTH, TX

ELEVATION: 607 TDZE: 564
 AIRPORT NAME:
 DALLAS/FORT WORTH INTL

FACILITY
IDENTIFIER:
 RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
 RNAV (GPS) RWY 35L, AMDT 2A
 18 SEPTEMBER 2014

SUP:
 AMDT: 2
 DATED: 05/02/2013

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: RW35R CLIMB TO 1040 THEN CLIMBING RIGHT TURN TO 3000 DIRECT PERSN AND HOLD. ADDITIONAL FLIGHT DATA: HOLD SW, RT, 035.36 INBOUND. CHART FAS OBST: 734 TANK 325042N/0970039W DISTANCE TO THLD FROM 200 HAT: 0.45 NM. CHART VDP AT 1.23 MILES TO RW35R* *LNAV ONLY. WAAS CHANNEL # 40401 REFERENCE PATH ID: W35A LTP HAE: 148.2 M							
GALOP (IF)		FRIZZ (FB)		356.27 / 3.06				5000									
FRIZZ		COROL (FB)		356.27 / 6.30				3000									
COROL		POLKE (FB)		356.27 / 2.60				2200									
POLKE (FAF)		RW35R (MAP) (FO)		356.27 / 4.92													
RW35R (MAP)		1040 MSL		356.27				1040									
1040 MSL		PERSN (FO)						3000									
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 GALOP 3. FAC: <u>356.27</u> FAF: <u>POLKE</u> DIST FAF TO MAP: <u>4.92</u> THLD: <u>4.92</u> 4. MIN. ALT: GALOP 5000, FRIZZ 5000, COROL 3000, POLKE 2200 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>2200</u> GS ALT AT: <u>POLKE 2200</u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u>3.00</u> TCH: <u>57.6</u> 34:1 IS CLEAR 8. MSA FROM: <u>RW35R 3600</u>												MAG VAR: 4E				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	775	2400	200	775	2400	200	775	2400	200	775	2400	200					
LNAV/VNAV DA	917	3000	342	917	3000	342	917	3000	342	917	3000	342					
LNAV MDA	1040	2400	465	1040	2400	465	1040	5000	465	1040	5000	465					
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -4C (25F) OR ABOVE 54C (130F). CHART NOTE: FOR INOPERATIVE ALSF, INCREASE LNAV/VNAV ALL CATS VISIBILITY TO RVR 6000, INCREASE LNAV CAT C/D VISIBILITY TO 1 3/8 MILE. CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED WITH RWY 35L/C AND RWY 36L/R. (SEE FORM 8260-10)																	
CITY AND STATE				ELEVATION: 607 TDZE: 575				FACILITY IDENTIFIER: RNAV				PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:	
DALLAS-FORT WORTH, TX				AIRPORT NAME:								RNAV (GPS) RWY 35R, AMDT 3A				AMDT: 3	
				DALLAS/FORT WORTH INTL								18 SEPTEMBER 2014				DATED 05/02/2013	

QUALITY
9
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: DME/DME RNP-0.3 NA.

CHART PLANVIEW NOTE: RADAR REQUIRED.

CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.

CHART NOTE: LNAV PROCEDURE NA DURING SIMULTANEOUS OPERATIONS.

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

QUALITY
CHECKED

CITY AND STATE

DALLAS-FORT WORTH, TX

ELEVATION: 607

TDZE: 575

AIRPORT NAME:

DALLAS/FORT WORTH INTL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 35R, AMDT 3A

18 SEPTEMBER 2014

SUP:

AMDT: 3

DATED: 05/02/2013

**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 INFORMATION**DATA FIELD****DATA**

OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KDFW
RUNWAY	RW35R
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W35A
LTP/FTP LATITUDE	325229.8540N
LTP/FTP LONGITUDE	0970035.6710W
LTP/FTP ELLIPSOIDAL HEIGHT	+01482
FPAP LATITUDE	325359.1275N
FPAP LONGITUDE	0970035.1730W
THRESHOLD CROSSING HEIGHT (TCH)	00057.6
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0160
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0

CRC REMAINDER

86874A66

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+01753
FPAP ORTHOMETRIC HEIGHT	+01753

CITY AND STATE

DALLAS-FORT WORTH, TX

ELEVATION: 607

TDZE: 575

AIRPORT NAME:

DALLAS/FORT WORTH INTL

 FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 35R, AMDT 3A

18 SEPTEMBER 2014

SUP:

AMDT: 3

DATED: 05/02/2013



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]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KDFWK4FR35R	R	010GALOPK4EA0E	I	IF				+ 05000	18000		A JS	
SUSAP	KDFWK4FR35R	R	011FRIZZK4EA0E	S	051TF		35630031		+ 05000			A JS	
SUSAP	KDFWK4FR35R	R	012COROLK4EA0E	S	051TF		35630063		+ 03000			A JS	
SUSAP	KDFWK4FR35R	R	020POLKEK4EA1E	F	051TF		35630026		+ 02200		RW35R	K4PGA	JS
SUSAP	KDFWK4FR35R	R	020POLKEK4EA2WALPV			ALNAV/VNAV	ALNAV					JS	
SUSAP	KDFWK4FR35R	R	030RW35RK4PG0GY	M	031TF		35630049		00633	-300		A JS	
SUSAP	KDFWK4FR35R	R	040		0 M	CA	3563		+ 01040			A JS	
SUSAP	KDFWK4FR35R	R	050PERSNK4EA0EY	R	DF				+ 03000			A JS	
SUSAP	KDFWK4FR35R	R	060PERSNK4EA0EE	R	HM		03540040		+ 03000			A JS	

[illegible][illegible][illegible]

CITY AND STATE
DALLAS-FORT WORTH, TX

ELEVATION: 607 TDZE: 575
AIRPORT NAME:
DALLAS/FORT WORTH INTL

FACILITY
IDENTIFIER:
| RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
RNAV (GPS) RWY 35R, AMDT 3A
18 SEPTEMBER 2014

SUP:	
AMDT:	3
DATED:	05/02/2013

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
		GALOP	010	FACF	IF		FB				AA 05000	
		FRIZZ	011	SDF	TF		FB	0.5	356.3 (000.3T)	003.1	AA 05000	
		COROL	012	SDF	TF		FB	0.5	356.3 (000.3T)	006.3	AA 03000	
		POLKE	020	FAF	TF		FB	0.5	356.3 (000.3T)	002.6	AA 02200	
		RW35R	030	MAP	TF		FO	0.3	356.3 (000.3T)	004.9	AT 00633	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		356.3 (000.3T)		AA 01040	
	PERSN	050		DF	R	FO				AA 03000	
	PERSN	060		HM	R	FO		035.4 (039.4T)	004.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	COROL	N324457.69	W0970038.19	N3244.962	W09700.637
	FRIZZ	N323838.94	W0970040.30	N3238.649	W09700.672
	GALOP	N323535.27	W0970041.32	N3235.588	W09700.689
	PERSN	N331055.55	W0963708.64	N3310.926	W09637.144
	POLKE	N324734.00	W0970037.32	N3247.567	W09700.622
	RW35R	N325229.85	W0970035.67	N3252.498	W09700.595

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW35R	00575	58

CITY AND STATE
DALLAS-FORT WORTH, TX

ELEVATION: 607 TDZE: 575
 AIRPORT NAME:
 DALLAS/FORT WORTH INTL

FACILITY
IDENTIFIER:
 RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
 RNAV (GPS) RWY 35R, AMDT 3A
 18 SEPTEMBER 2014

SUP:
 AMDT: 3
 DATED: 05/02/2013

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: RW36L CLIMB TO 1100 THEN CLIMBING LEFT TURN TO 3000 DIRECT KAGLE AND HOLD. ADDITIONAL FLIGHT DATA: HOLD NW, RT, 128.00 INBOUND. CHART FAS OBST: 641 BLDG 325258N/0970341W DISTANCE TO THLD FROM 200 HAT: 0.45 NM. CHART VDP AT 0.90 MILES TO RW36L* *LNAV ONLY. WAAS CHANNEL # 93805 REFERENCE PATH ID: W36B LTP HAE: 150.4 M					
ALLIN (IF)		HUTEN (FB)		356.25 / 3.15				3000							
HUTEN		CHAAR (FB)		356.25 / 6.29				3000							
CHAAR		BOBIN (FB)		356.25 / 2.45				2300							
BOBIN (FAF)		CIRIS/1.40 NM TO RW36L (FB)		356.25 / 3.82											
CIRIS/1.40 NM TO RW36L		RW36L (MAP) (FO)		356.25 / 1.40											
RW36L (MAP)		1100 MSL		356.25				1100							
1100 MSL		KAGLE (FO)						3000							
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 ALLIN 3. FAC: <u>356.25</u> FAF: <u>BOBIN</u> DIST FAF TO MAP: <u>5.22</u> THLD: <u>5.22</u> 4. MIN. ALT: ALLIN 4000, HUTEN 3000, CHAAR 3000, BOBIN 2300, CIRIS/1.40 NM TO RW36L 1080* 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>2300</u> GS ALT AT: <u>BOBIN 2300</u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u>3.00</u> TCH: <u>55.1</u> 34:1 IS CLEAR 8. MSA FROM: <u>RW36L 3600</u>										MAG VAR: 4E		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	788	2400	200	788	2400	200	788	2400	200	788	2400	200			
LNAV/VNAV DA	987	4500	399	987	4500	399	987	4500	399	987	4500	399			
LNAV MDA	940	2400	352	940	2400	352	940	3000	352	940	3000	352			
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -4C (25F) OR ABOVE 54C (130F). CHART NOTE: FOR INOPERATIVE MALSR, INCREASE LNAV CAT C/D VISIBILITY TO RVR 5500. CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED WITH RWY 35L/C/R. CHART NOTE: DME/DME RNP-0.3 NA. (SEE FORM 8260-10)															
CITY AND STATE		ELEVATION: 607 TDZE: 588		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:					
DALLAS-FORT WORTH, TX		AIRPORT NAME:		DALLAS/FORT WORTH INTL		RNAV (GPS) RWY 36L, AMDT 3B 18 SEPTEMBER 2014				AMDT: 3A					
										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 PLANVIEW NOTE: RADAR REQUIRED.

CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.

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 DALLAS-FORT WORTH, TX	ELEVATION: 607 TDZE: 588 AIRPORT NAME: DALLAS/FORT WORTH INTL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 36L, AMDT 3B 18 SEPTEMBER 2014	SUP:
				AMDT: 3A
				DATED: 06/27/2013

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 KDFW
RUNWAY RW36L
APPROACH PERFORMANCE DESIGNATOR 0
ROUTE INDICATOR
REFERENCE PATH DATA SELECTOR 0
REFERENCE PATH IDENTIFIER (APPROACH ID) W36B
LTP/FTP LATITUDE 325244.3500N
LTP/FTP LONGITUDE 0970317.4010W
LTP/FTP ELLIPSOIDAL HEIGHT +01504
FPAP LATITUDE 325456.9330N
FPAP LONGITUDE 0970316.7160W
THRESHOLD CROSSING HEIGHT (TCH) 00055.1
TCH UNITS SELECTOR (METERS OR FEET USED) F
GLIDEPATH ANGLE (GPA) 03.00
COURSE WIDTH AT THRESHOLD 115.00
LENGTH OFFSET 0000
HORIZONTAL ALERT LIMIT (HAL) 40.0
VERTICAL ALERT LIMIT (VAL) 35.0

CRC REMAINDER

1E6CCDA9

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K4
LTP ORTHOMETRIC HEIGHT +01775
FPAP ORTHOMETRIC HEIGHT +01775

CITY AND STATE

DALLAS-FORT WORTH, TX

ELEVATION: 607

TDZE: 588

AIRPORT NAME:

DALLAS/FORT WORTH INTL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 36L, AMDT 3B

18 SEPTEMBER 2014

SUP:

AMDT: 3A

DATED: 06/27/2013

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	KDFWK4FR36L	R	010ALLINK4EA0E	I	IF				+ 04000	18000		A JS	
SUSAP	KDFWK4FR36L	R	011HUTENK4EA0E	S	051TF		35630032		+ 03000			A JS	
SUSAP	KDFWK4FR36L	R	012CHAARK4EA0E	S	051TF		35630063		+ 03000			A JS	
SUSAP	KDFWK4FR36L	R	020BOBINK4EA1E	F	051TF		35630025		+ 02300		RW36L K4PGA	JS	
SUSAP	KDFWK4FR36L	R	020BOBINK4EA2WALPV			ALNAV/VNAV						JS	
SUSAP	KDFWK4FR36L	R	021CIRISK4EA0E	S	031TF		35630038	V 0108001083		-300		A JS	
SUSAP	KDFWK4FR36L	R	030RW36LK4PG0GY	M	031TF		35630014	00637		-300		A JS	
SUSAP	KDFWK4FR36L	R	040		0 M	CA	3563		+ 01100			A JS	
SUSAP	KDFWK4FR36L	R	050KAGLEK4EA0EY	L	DF				+ 03000			A JS	
SUSAP	KDFWK4FR36L	R	060KAGLEK4EA0EE	R	HM		12800040		+ 03000			A JS	

[illegible][illegible][illegible]

CITY AND STATE
DALLAS-FORT WORTH, TX

ELEVATION: 607	TDZE: 588
AIRPORT NAME: DALLAS/FORT WORTH INTL	

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
RNAV (GPS) RWY 36L, AMDT 3B
 18 SEPTEMBER 2014

SUP:	
AMDT:	3A
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
		ALLIN	010	FACF	IF		FB				AA 04000	
		HUTEN	011	SDF	TF		FB	0.5	356.3 (000.3T)	003.2	AA 03000	
		CHAAR	012	SDF	TF		FB	0.5	356.3 (000.3T)	006.3	AA 03000	
		BOBIN	020	FAF	TF		FB	0.5	356.3 (000.3T)	002.5	AA 02300	
		CIRIS	021	SDF	TF		FB	0.3	356.3 (000.3T)	003.8	AA 01080 GS 01083	
		RW36L	030	MAP	TF		FO	0.3	356.3 (000.3T)	001.4	AT 00637	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		356.3 (000.3T)		AA 01100	
	KAGLE	050		DF	L	FO				AA 03000	
	KAGLE	060		HM	R	FO		128.0 (132.0T)	004.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	ALLIN	N323535.88	W0970322.73	N3235.598	W09703.379
	BOBIN	N324730.47	W0970319.02	N3247.508	W09703.317
	CHAAR	N324503.25	W0970319.78	N3245.054	W09703.330
	CIRIS	N325120.19	W0970317.84	N3251.337	W09703.297
	HUTEN	N323845.26	W0970321.75	N3238.754	W09703.363
	KAGLE	N331518.70	W0973244.51	N3315.312	W09732.742
	RW36L	N325244.35	W0970317.40	N3252.739	W09703.290

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW36L	00582	55

CITY AND STATE DALLAS-FORT WORTH, TX	ELEVATION: 607	TDZE: 588	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 36L, AMDT 3B 18 SEPTEMBER 2014	SUP:
	AIRPORT NAME: DALLAS/FORT WORTH INTL				AMDT: 3A
					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		LPV: DA LNAV/VNAV: DA LNAV: RW36R CLIMB TO 1100 THEN CLIMBING LEFT TURN TO 3000 DIRECT KAGLE AND HOLD. ADDITIONAL FLIGHT DATA: HOLD NW, RT, 128.00 INBOUND. CHART FAS OBST: 660 TOWER 325209N/0970226W DISTANCE TO THLD FROM 200 HAT: 0.47 NM. CHART VDP AT 0.94 MILES TO RW36R* *LNAV ONLY. WAAS CHANNEL # 87005 REFERENCE PATH ID: W36A LTP HAE: 148.3 M							
SLOCO (IF)		KICKA (FB)		356.25 / 3.15				3000									
KICKA		TUTOO (FB)		356.25 / 6.29				3000									
TUTOO		BASIN (FB)		356.25 / 2.41				2300									
BASIN (FAF)		IMELE/2.00 NM TO RW36R (FB)		356.25 / 3.26													
IMELE/2.00 NM TO RW36R		RW36R (MAP) (FO)		356.25 / 2.00													
RW36R (MAP)		1100 MSL		356.25				1100									
1100 MSL		KAGLE (FO)						3000									
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 SLOCO 3. FAC: <u>356.25</u> FAF: <u>BASIN</u> DIST FAF TO MAP: <u>5.26</u> THLD: <u>5.26</u> 4. MIN. ALT: <u>SLOCO 4000, KICKA 3000, TUTOO 3000, BASIN 2300, IMELE/2.00 NM TO RW36R 1260*</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>2300</u> GS ALT AT: <u>BASIN 2300</u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u>3.00</u> TCH: <u>50.3</u> 34:1 IS CLEAR 8. MSA FROM: <u>RW36R 3600</u>												MAG VAR: 4E 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	781	2400	200	781	2400	200	781	2400	200	781	2400	200					
LNAV/VNAV DA	941	4000	360	941	4000	360	941	4000	360	941	4000	360					
LNAV MDA	940	2400	359	940	2400	359	940	3500	359	940	3500	359					
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -4C (25F) OR ABOVE 54C (130F). CHART NOTE: FOR INOPERATIVE MALSR, INCREASE LNAV CATS C/D VISIBILITY TO RVR 5500. CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED WITH RWY 35L/C/R. CHART NOTE: DME/DME RNP-0.3 NA. (SEE FORM 8260-10)																	
CITY AND STATE				ELEVATION: 607 TDZE: 581				FACILITY IDENTIFIER: RNAV				PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:	
DALLAS-FORT WORTH, TX				AIRPORT NAME:								RNAV (GPS) RWY 36R, AMDT 3A				AMDT: 3	
				DALLAS/FORT WORTH INTL								18 SEPTEMBER 2014				DATED 05/02/2013	

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 PLANVIEW NOTE: RADAR REQUIRED.

CHART PROFILE NOTE: VGSi AND RNAV GLIDEPATH NOT COINCIDENT.

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

DALLAS-FORT WORTH, TX

ELEVATION: 607

TDZE: 581

AIRPORT NAME:

DALLAS/FORT WORTH INTL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 36R, AMDT 3A

18 SEPTEMBER 2014

SUP:

AMDT: 3

DATED: 05/02/2013

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 KDFW
RUNWAY RW36R
APPROACH PERFORMANCE DESIGNATOR 0
ROUTE INDICATOR
REFERENCE PATH DATA SELECTOR 0
REFERENCE PATH IDENTIFIER (APPROACH ID) W36A
LTP/FTP LATITUDE 325244.2980N
LTP/FTP LONGITUDE 0970303.3340W
LTP/FTP ELLIPSOIDAL HEIGHT +01483
FPAP LATITUDE 325456.8770N
FPAP LONGITUDE 0970302.6510W
THRESHOLD CROSSING HEIGHT (TCH) 00050.3
TCH UNITS SELECTOR (METERS OR FEET USED) F
GLIDEPATH ANGLE (GPA) 03.00
COURSE WIDTH AT THRESHOLD 115.00
LENGTH OFFSET 0000
HORIZONTAL ALERT LIMIT (HAL) 40.0
VERTICAL ALERT LIMIT (VAL) 35.0

CRC REMAINDER

BD47E6F4

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K4
LTP ORTHOMETRIC HEIGHT +01754
FPAP ORTHOMETRIC HEIGHT +01754

CITY AND STATE DALLAS-FORT WORTH, TX	ELEVATION: 607 TDZE: 581 AIRPORT NAME: DALLAS/FORT WORTH INTL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 36R, AMDT 3A 18 SEPTEMBER 2014	SUP: AMDT: 3 DATED: 05/02/2013

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]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KDFWK4FR36R	R	010SLOCOK4EA0E	I	IF								
SUSAP	KDFWK4FR36R	R	011KICKAK4EA0E	S	051TF		35630032						
SUSAP	KDFWK4FR36R	R	012TUTOOK4EA0E	S	051TF		35630063						
SUSAP	KDFWK4FR36R	R	020BASINK4EA1E	F	051TF		35630024						
SUSAP	KDFWK4FR36R	R	020BASINK4EA2WALPV			ALNAV/VNAV							
SUSAP	KDFWK4FR36R	R	021IMELEK4EA0E	S	031TF		35630033						
SUSAP	KDFWK4FR36R	R	030RW36RK4PGOGY	M	031TF		35630020						
SUSAP	KDFWK4FR36R	R	040				3563						
SUSAP	KDFWK4FR36R	R	050KAGLEK4EA0EY	L	DF								
SUSAP	KDFWK4FR36R	R	060KAGLEK4EA0EE	R	HM		12800040						

[illegible][illegible][illegible]

CITY AND STATE DALLAS-FORT WORTH, TX	ELEVATION: 607	TDZE: 581	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 36R, AMDT 3A 18 SEPTEMBER 2014	SUP:
	AIRPORT NAME: DALLAS/FORT WORTH INTL				AMDT: 3
					DATED: 05/02/2013

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
		SLOCO	010	FACF	IF		FB				AA 04000	
		KICKA	011	SDF	TF		FB	0.5	356.3 (000.3T)	003.2	AA 03000	
		TUTOC	012	SDF	TF		FB	0.5	356.3 (000.3T)	006.3	AA 03000	
		BASIN	020	FAF	TF		FB	0.5	356.3 (000.3T)	002.4	AA 02300	
		IMELE	021	SDF	TF		FB	0.3	356.3 (000.3T)	003.3	AA 01260 GS 01262	
		RW36R	030	MAP	TF		FO	0.3	356.3 (000.3T)	002.0	AT 00626	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		356.3 (000.3T)		AA 01100	
	KAGLE	050		DF	L	FO				AA 03000	
	KAGLE	060		HM	R	FO		128.0 (132.0T)	004.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	BASIN	N324728.21	W0970304.96	N3247.470	W09703.083
	IMELE	N325044.07	W0970303.95	N3250.735	W09703.066
	KAGLE	N331518.70	W0973244.51	N3315.312	W09732.742
	KICKA	N323845.21	W0970307.66	N3238.754	W09703.128
	SLOCO	N323535.83	W0970308.64	N3235.597	W09703.144
	TUTOC	N324503.32	W0970305.71	N3245.055	W09703.095
	RW36R	N325244.30	W0970303.33	N3252.738	W09703.056

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW36R	00575	50

CITY AND STATE
DALLAS-FORT WORTH, TX

ELEVATION: 607 TDZE: 581
AIRPORT NAME:
DALLAS/FORT WORTH INTL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
RNAV (GPS) RWY 36R, AMDT 3A
18 SEPTEMBER 2014

SUP:	
AMDT:	3
DATED:	05/02/2013

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	LNAV: RW13R
MORRY (IF)	POPPA (FB)	134.95 / 4.90	3000	CLIMBING RIGHT TURN TO 3000 DIRECT SLOTT AND HOLD.
POPPA	HODAX (FB)	134.98 / 2.22	2300	
HODAX (FAF)	ANIME/1.75 NM TO RW13R (FB)	135.00 / 3.44	3000	ADDITIONAL FLIGHT DATA: HOLD E, RT, 275.00 INBOUND. CHART FAS OBST: 767 BLDG 325604N/0970539W HODAX TO RW13R: 3.00/55.
ANIME/1.75 NM TO RW13R	RW13R (MAP) (FO)	135.00 / 1.75		
RW13R (MAP)	1007 MSL	135.04		
1007 MSL	SLOTT (FO)			

1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
 2. PROFILE STARTS AT MORRY
 3. FAC: 135.00 FAF: HODAX DIST FAF TO MAP: 5.19 THLD: 5.19
 4. MIN. ALT: MORRY 3000, POPPA 3000, HODAX 2300, ANIME/1.75 NM TO RW13R 1200
 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 CLEAR
 8. MSA FROM: RW13R 3600

MAG VAR: 4E 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	2400	489	1080	2400	489	1080	5000	489	1080	5000	489			

NOTES:
 CHART NOTE: DME/DME RNP-0.3 NA.
 CHART PLANVIEW NOTE: RADAR REQUIRED.
 CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT.

CITY AND STATE DALLAS-FORT WORTH, TX	ELEVATION: 607 TDZE: 591 AIRPORT NAME: DALLAS/FORT WORTH INTL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) Y RWY 13R, AMDT 2A 18 SEPTEMBER 2014	SUP:
				AMDT: 2
				DATED 05/02/2013

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[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KDFWK4FR13RY	R	010MORRYK4EA0E	I	IF								
SUSAP	KDFWK4FR13RY	R	011POPPAK4EA0E	S	051TF		13500049						
SUSAP	KDFWK4FR13RY	R	020HODAXK4EA1E	F	051TF		13500022						
SUSAP	KDFWK4FR13RY	R	020HODAXK4EA2WN			N		ALNAV					
SUSAP	KDFWK4FR13RY	R	021ANIMEK4EA0E	S	031TF		13500034		V	0120001203			
SUSAP	KDFWK4FR13RY	R	030RW13RK4PG0GY	M	031TF		13500018						
SUSAP	KDFWK4FR13RY	R	040		0 M	CA	1350						
SUSAP	KDFWK4FR13RY	R	050SLOTTK4EA0EY	R	DF								
SUSAP	KDFWK4FR13RY	R	060SLOTTK4EA0EE	R	HM		27500040						

[illegible][illegible]

CITY AND STATE DALLAS-FORT WORTH, TX	ELEVATION: 607	TDZE: 591	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) Y RWY 13R, AMDT 2A	SUP:
	AIRPORT NAME: DALLAS/FORT WORTH INTL		RNAV	18 SEPTEMBER 2014	AMDT: 2
					DATED: 05/02/2013

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
		MORRY	010	FACE	IF		FB				AA 03000	
		POPPA	011	SDF	TF		FB	0.5	135.0 (139.0T)	004.9	AA 03000	
		HODAX	020	FAF	TF		FB	0.5	135.0 (139.0T)	002.2	AA 02300	
		ANIME	021	SDF	TF		FB	0.3	135.0 (139.0T)	003.4	AA 01200	GS 01203
		RW13R	030	MAP	TF		FO	0.3	135.0 (139.0T)	001.8	AT 00646	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		135.0 (139.0T)		AA 01007	
	SLOTT	050		DF	R	FO				AA 03000	
	SLOTT	060		HM	R	FO		275.0 (279.0T)	004.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	ANIME	N325553.91	W0970621.06	N3255.899	W09706.351
	HODAX	N325830.21	W0970902.13	N3258.504	W09709.036
	MORRY	N330353.00	W0971435.50	N3303.883	W09714.592
	POPPA	N330010.78	W0971045.91	N3300.180	W09710.765
	SLOTT	N325849.20	W0974400.15	N3258.820	W09744.003
	RW13R	N325434.47	W0970459.28	N3254.575	W09704.988

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW13R	00591	55

CITY AND STATE DALLAS-FORT WORTH, TX	ELEVATION: 607	TDZE: 591	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) Y RWY 13R, AMDT 2A 18 SEPTEMBER 2014	SUP:
	AIRPORT NAME: DALLAS/FORT WORTH INTL				AMDT: 2
					DATED: 05/02/2013

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: RW31L CLIMB TO 3000 DIRECT HODAX AND ON TRACK 306.22 TO KAGLE AND HOLD. ADDITIONAL FLIGHT DATA: HOLD NW, RT, 126.00 INBOUND. CHART FAS OBST: 734 TANK 325042N/0970039W DISTANCE TO THLD FROM 250 HAT: 0.62 NM. CHART VDP AT 1.24 MILES TO RW31L* *LNAV ONLY. WAAS CHANNEL # 99703 REFERENCE PATH ID: W31A LTP HAE: 148.8 M											
ZUREK (IAF)	WOLKA (FB)	315.21 / 4.00	5000												
WOLKA (IF)	NKORT (FB)	315.18 / 7.40	3000												
NKORT	TARRO (FB)	315.13 / 3.92	2400												
TARRO (FAF)	RW31L (MAP) (FO)	315.10 / 5.55													
RW31L (MAP)	831 MSL	315.10													
831 MSL	HODAX (FB)														
HODAX	KAGLE (FO)	306.22 / 26.04	3000												
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF)				MAG VAR: 4E EPOCH YEAR: 2015											
2. PROFILE STARTS AT ZUREK															
3. FAC: 315.10 FAF: TARRO DIST FAF TO MAP: 5.55 THLD: 5.55															
4. MIN. ALT: ZUREK 5000, WOLKA 5000, NKORT 3000, TARRO 2400															
5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:															
6. MIN GS INCPT: 2400 GS ALT AT: TARRO 2400 OM: MM: IM:															
7. GS ANGLE: 3.00 TCH: 54.0 34:1 IS CLEAR															
8. MSA FROM: RW31L 3600															
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	831	4000	250	831	4000	250	831	4000	250	831	4000	250			
LNAV/VNAV DA	907	5000	326	907	5000	326	907	5000	326	907	5000	326			
LNAV MDA	1060	5500	479	1060	5500	479	1060	1 3/8	479	1060	1 3/8	479			
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -4C (25F) OR ABOVE 54C (130F). CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED WITH RWY 31R. CHART NOTE: DME/DME RNP-0.3 NA. CHART PLANVIEW NOTE: RADAR REQUIRED. (SEE FORM 8260-10)															
CITY AND STATE		ELEVATION: 607 TDZE: 581		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:					
DALLAS-FORT WORTH, TX		AIRPORT NAME:		DALLAS/FORT WORTH INTL		RNAV (GPS) Y RWY 31L, AMDT 1B				AMDT: 1A					
						18 SEPTEMBER 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 PROFILE NOTE: VGSi AND RNAV GLIDEPATH NOT COINCIDENT.

CHART NOTE: LNAV PROCEDURE NA DURING SIMULTANEOUS OPERATIONS.

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

QUALITY
CHECKED

CITY AND STATE DALLAS-FORT WORTH, TX	ELEVATION: 607	TDZE: 581	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) Y RWY 31L, AMDT 1B 18 SEPTEMBER 2014	SUP:
	AIRPORT NAME:				AMDT: 1A
	DALLAS/FORT WORTH INTL				DATED: 02/06/2014

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 KDFW
RUNWAY RW31L
APPROACH PERFORMANCE DESIGNATOR 0
ROUTE INDICATOR Y
REFERENCE PATH DATA SELECTOR 0
REFERENCE PATH IDENTIFIER (APPROACH ID) W31A
LTP/FTP LATITUDE 325324.9700N
LTP/FTP LONGITUDE 0970347.7940W
LTP/FTP ELLIPSOIDAL HEIGHT +01488
FPAP LATITUDE 325434.4720N
FPAP LONGITUDE 0970459.2780W
THRESHOLD CROSSING HEIGHT (TCH) 00054.0
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) 50.0

CRC REMAINDER

33BD2FF9

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K4
LTP ORTHOMETRIC HEIGHT +01759
FPAP ORTHOMETRIC HEIGHT +01759

CITY AND STATE

DALLAS-FORT WORTH, TX

ELEVATION: 607

TDZE: 581

AIRPORT NAME:

DALLAS/FORT WORTH INTL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) Y RWY 31L, AMDT 1B
18 SEPTEMBER 2014

SUP:

AMDT: 1A

DATED: 02/06/2014

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]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KDFWK4FR31LY	AZUREK	010ZUREKK4EA0E	A	IF				+ 05000	18000		A JS	
SUSAP	KDFWK4FR31LY	AZUREK	020WOLKAK4EA0EE	B	010TF		31520040		+ 05000			A JS	
SUSAP	KDFWK4FR31LY	R	010WOLKAK4EA0E	I	IF				+ 05000	18000		A JS	
SUSAP	KDFWK4FR31LY	R	011NKORTK4EA0E	S	051TF		31520074		+ 03000			A JS	
SUSAP	KDFWK4FR31LY	R	020TARROK4EA1E	F	051TF		31510039		+ 02400		RW31L K4PGA	JS	
SUSAP	KDFWK4FR31LY	R	020TARROK4EA2WALPV			ALNAV/VNAV	ALNAV					JS	
SUSAP	KDFWK4FR31LY	R	030RW31LK4PG0GY	M	031TF		31510056	00631		-300		A JS	
SUSAP	KDFWK4FR31LY	R	040	O	M	CA	3151		+ 00831			A JS	
SUSAP	KDFWK4FR31LY	R	050HODAXK4EA0E		DF							A JS	
SUSAP	KDFWK4FR31LY	R	060KAGLEK4EA0EY		010TF		3062		+ 03000			A JS	
SUSAP	KDFWK4FR31LY	R	070KAGLEK4EA0EE	R	HM		12600040		+ 03000			A JS	

[illegible][illegible][illegible]

CITY AND STATE
DALLAS-FORT WORTH, TX

ELEVATION: 607 TDZE: 581
AIRPORT NAME:
DALLAS/FORT WORTH INTL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
RNAV (GPS) Y RWY 31L, AMDT 1B
18 SEPTEMBER 2014

SUP:	
AMDT:	1A
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

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SUSAP KDFWK4SRW31LK4PG

0 18018003625

M

CITY AND STATE
DALLAS-FORT WORTH, TX

ELEVATION: 607 TDZE: 581
AIRPORT NAME:
DALLAS/FORT WORTH INTL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
RNAV (GPS) Y RWY 31L, AMDT 1B
18 SEPTEMBER 2014

SUP:
AMDT: 1A
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

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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
	ZUREK	ZUREK	010	IAF	IF		FB				AA 05000	
	ZUREK	WOLKA	020		TF		FB	1.0	315.2 (319.2T)	004.0	AA 05000	
		WOLKA	010	FACF	IF		FB				AA 05000	
		NKORT	011	SDF	TF		FB	0.5	315.2 (319.2T)	007.4	AA 03000	
		TARRO	020	FAF	TF		FB	0.5	315.1 (319.1T)	003.9	AA 02400	
		RW31L	030	MAP	TF		FO	0.3	315.1 (319.1T)	005.6	AT 00631	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		315.1 (319.1T)		AA 00831	
	HODAX	050		DF		FB					
	KAGLE	060		TF		FO	1.0	306.2 (310.2T)		AA 03000	
	KAGLE	070		HM	R	FO		126.0 (130.0T)	004.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	HODAX	N325830.21	W0970902.13	N3258.504	W09709.036
	KAGLE	N331518.70	W0973244.51	N3315.312	W09732.742
	NKORT	N324614.69	W0965626.22	N3246.245	W09656.437
	TARRO	N324912.65	W0965928.65	N3249.211	W09659.478
	WOLKA	N324038.35	W0965042.19	N3240.639	W09650.703
	ZUREK	N323736.14	W0964736.22	N3237.602	W09647.604
	RW31L	N325324.97	W0970347.79	N3253.416	W09703.797

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW31L	00577	54

CITY AND STATE
DALLAS-FORT WORTH, TX

ELEVATION: 607 TDZE: 581
 AIRPORT NAME:
 DALLAS/FORT WORTH INTL

FACILITY
IDENTIFIER:
 RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
 RNAV (GPS) Y RWY 31L, AMDT 1B
 18 SEPTEMBER 2014

SUP:
 AMDT: 1A
 DATED: 02/06/2014

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: CEMOL CLIMBING RIGHT TURN TO 3000 DIRECT SOLDO AND HOLD. ADDITIONAL FLIGHT DATA: HOLD W, RT, 084.00 INBOUND. CHART FAS OBST: 635 PLANT 325302N/0965959W CHART: 860 TOWER 324954N/0965445W FIVIS TO RW31R: 3.00/53.								
TULOY (IAF)	GACHO (FB)	311.42 / 4.00	5000									
GACHO (IF)	VANDE (FB)	311.39 / 7.27	3000									
VANDE	FIVIS (FB)	311.33 / 2.00	2400									
FIVIS (FAF)	GUKESE/1.00 NM TO CEMOL (FB)	311.32 / 4.20										
GUKESE/1.00 NM TO CEMOL	CEMOL (MAP) (FO)	311.32 / 1.00										
CEMOL (MAP)	940 MSL	311.32										
940 MSL	SOLDO (FO)		3000									
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 TULOY 3. FAC: 311.32 FAF: FIVIS DIST FAF TO MAP: 5.20 THLD: 5.78 4. MIN. ALT: TULOY 5000, GACHO 5000, VANDE 3000, FIVIS 2400, GUKESE/1.00 NM TO CEMOL 1060 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 CLEAR 8. MSA FROM: CEMOL 3600												
				MAG VAR: 4E 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	
LNAV MDA	940	2400	417	940	2400	417	940	4000	417	940	4000	417
NOTES: CHART NOTE: DME/DME RNP-0.3 NA. CHART PLANVIEW NOTE: RADAR REQUIRED. CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT.												
CITY AND STATE DALLAS-FORT WORTH, TX		ELEVATION: 607 TDZE: 523 AIRPORT NAME: DALLAS/FORT WORTH INTL		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) Y RWY 31R, AMDT 2A 18 SEPTEMBER 2014			SUP: AMDT: 2 DATED 05/02/2013			

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[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KDFWK4FR31RY	ATUL0Y	010TUL0YK4EA0E	A	IF				+ 05000	18000		B JS	
SUSAP	KDFWK4FR31RY	ATUL0Y	020GACHOK4EA0EE	B	010TF		31140040		+ 05000			B JS	
SUSAP	KDFWK4FR31RY	R	010GACHOK4EA0E	I	IF				+ 05000	18000		B JS	
SUSAP	KDFWK4FR31RY	R	011VANDEK4EA0E	S	051TF		31140073		+ 03000			B JS	
SUSAP	KDFWK4FR31RY	R	020FIVISK4EA1E	F	051TF		31130020		+ 02400		CEMOL K4EAB	JS	
SUSAP	KDFWK4FR31RY	R	020FIVISK4EA2WN			N	ALNAV					JS	
SUSAP	KDFWK4FR31RY	R	021GUKSEK4EA0E	S	031TF		31130042		V 0106001064		-300	B JS	
SUSAP	KDFWK4FR31RY	R	030CEMOLK4EA0EY	M	031TF		31130010		00744		-300	B JS	
SUSAP	KDFWK4FR31RY	R	040		0 M CA		3113		+ 00940			B JS	
SUSAP	KDFWK4FR31RY	R	050SOLDOK4EA0EY	R	DF				+ 03000			B JS	
SUSAP	KDFWK4FR31RY	R	060SOLDOK4EA0EE	R	HM		08400040		+ 03000			B JS	

[illegible][illegible]

CITY AND STATE DALLAS-FORT WORTH, TX	ELEVATION: 607 AIRPORT NAME: DALLAS/FORT WORTH INTL	TDZE: 523	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) Y RWY 31R, AMDT 2A 18 SEPTEMBER 2014	SUP:
					AMDT: 2
					DATED: 05/02/2013

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
	TULOY	TULOY	010	IAF	IF		FB				AA 05000	
	TULOY	GACHO	020		TF		FB	1.0	311.4 (315.4T)	004.0	AA 05000	
		GACHO	010	FACF	IF		FB				AA 05000	
		VANDE	011	SDF	TF		FB	0.5	311.4 (315.4T)	007.3	AA 03000	
		FIVIS	020	PAF	TF		FB	0.5	311.3 (315.3T)	002.0	AA 02400	
		GUKSE	021	SDF	TF		FB	0.3	311.3 (315.3T)	004.2	AA 01060	GS 01064
		CEMOL	030	MAP	TF		FO	0.3	311.3 (315.3T)	001.0	AT 00744	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		311.3 (315.3T)		AA 00940	
	SOLDO	050		DF	R	FO				AA 03000	
	SOLDO	060		HM	R	FO		084.0 (088.0T)	004.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CEMOL	N325317.32	W0965934.16	N3253.289	W09659.569
	FIVIS	N324935.14	W0965513.70	N3249.586	W09655.228
	GACHO	N324258.57	W0964730.13	N3242.976	W09647.502
	GUKSE	N325234.43	W0965843.83	N3252.574	W09658.731
	SOLDO	N325155.00	W0961956.32	N3251.917	W09619.939
	TULOY	N324007.15	W0964410.28	N3240.119	W09644.171
	VANDE	N324809.64	W0965333.59	N3248.161	W09653.560
	RW31R	N325341.93	W0970003.04	N3253.699	W09700.051

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW31R	00508	53

CITY AND STATE
DALLAS-FORT WORTH, TX

ELEVATION: **607** TDZE: **523**
 AIRPORT NAME:
DALLAS/FORT WORTH INTL

FACILITY
 IDENTIFIER:
RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
RNAV (GPS) Y RWY 31R, AMDT 2A
18 SEPTEMBER 2014

SUP:
 AMDT: **2**
 DATED: **05/02/2013**

QUALITY
9
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.

[illegible]

QUALITY
2
CHECKED

CITY AND STATE DALLAS-FORT WORTH, TX	ELEVATION: 607	TDZE: 591	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME: DALLAS/FORT WORTH INTL			RNAV (RNP) Z RWY 13R, AMDT 1A	AMDT: 1
			RNAV	18 SEPTEMBER 2014	DATED: 05/02/2013

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
	MORRY	MORRY	010		IF		FB				AA 03000	
	MORRY	POPPA	020		TF		FB	1.0			AA 03000	
		POPPA	010	FACF	IF		FB				AA 03000	
		HODAX	020	FAF	TF		FB	1.0			AA 02300	
		RW13R	030	MAP	TF		FO	0.3			AT 00646	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		135.0 (139.0T)		AA 01200	
	SLOTT	050		DF	R	FO				AA 03000	
	SLOTT	060		HM	R	FO		275.0 (279.0T)	004.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	SLOTT	N325849.20	W0974400.15	N3258.820	W09744.003
	HODAX	N325830.21	W0970902.13	N3258.504	W09709.036
	MORRY	N330353.00	W0971435.50	N3303.883	W09714.592
	POPPA	N330010.78	W0971045.91	N3300.180	W09710.765
	RW13R	N325434.47	W0970459.28	N3254.575	W09704.988

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW13R	00591	55

QUALITY
2
CHECKED

CITY AND STATE DALLAS-FORT WORTH, TX	ELEVATION: 607	TDZE: 591	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (RNP) Z RWY 13R, AMDT 1A 18 SEPTEMBER 2014	SUP:
	AIRPORT NAME: DALLAS/FORT WORTH INTL				AMDT: 1
					DATED: 05/02/2013

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	MAP: DA			
ZUREK (IAF)	WOLKA (TF) (FB) (RNP 1.00)	315.21 / 4.00	5000	CLIMB TO 3000 ON TRACK 315.06 TO HODAX AND ON TRACK 306.22 TO KAGLE AND HOLD.			
WOLKA (IF)	NKORT (TF) (FB) (RNP 1.00)	315.18 / 7.40	3000				
NKORT	TARRO (TF) (FB) (RNP 1.00)	315.13 / 3.92	2400	ADDITIONAL FLIGHT DATA: HOLD NW, RT, 126.00 INBOUND. DISTANCE TO THLD FROM 370 HAT: 0.99 NM. ROUTE TYPE: A,H ROUTE TYPE QUALIFIER 2: S ROUTE TYPE QUALIFIER 1: F #TCH 631.1 MSL (DO NOT CHART)			
TARRO (FAF)	RW31L (MAP) (TF) (FO)	315.10 / 5.55					
RW31L (MAP)	HODAX (TF) (FB) (RNP 1.00)	315.06 / 6.72					
HODAX	KAGLE (TF) (FO) (RNP 1.00)	306.22 / 26.04	3000				

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 ZUREK	
3. FAC: <u>315.10</u> FAF: <u> </u> DIST FAF TO MAP: <u> </u> THLD: <u> </u>	
4. MIN. ALT: ZUREK 5000, WOLKA 5000, NKORT 3000, TARRO 2400	
5. DIST TO THLD FROM OM: <u>5.55</u> MM: <u> </u> IM: <u> </u> 150 HAT: <u> </u> 100 HAT: <u> </u> GS ANT: <u> </u>	
6. MIN GS INCPT: <u>2400</u> GS ALT AT: TARRO 2400 OM: <u> </u> MM: <u> </u> IM: <u> </u>	
7. GS ANGLE: <u>3.00</u> TCH: <u>54.0#</u> 34:1 IS NOT CLEAR	
8. MSA FROM: RW31L 3600	

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	951	6000	370	951	6000	370	951	6000	370	951	6000	370			

NOTES:
 CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -4C (25F) OR ABOVE 54C (130F).
 CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED WITH RWY 31R.
 CHART NOTE: GPS REQUIRED.
 CHART PLANVIEW NOTE: RADAR REQUIRED.
 (SEE FORM 8260-10)

CITY AND STATE DALLAS-FORT WORTH, TX	ELEVATION: 607 TDZE: 581	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (RNP) Z RWY 31L, AMDT 1B 18 SEPTEMBER 2014	SUP:
				AMDT: 1A
				DATED 02/06/2014

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.

NOTES, (CONT.):

CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.

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



CITY AND STATE DALLAS-FORT WORTH, TX	ELEVATION: 607	TDZE: 581	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (RNP) Z RWY 31L, AMDT 1B 18 SEPTEMBER 2014	SUP:
	AIRPORT NAME:				AMDT: 1A
	DALLAS/FORT WORTH INTL				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]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KDFWK4FH31LZ	AZUREK	010ZUREKK4PC0E	A	IF				+ 05000	18000		A FS	
SUSAP	KDFWK4FH31LZ	AZUREK	020WOLKAK4PC0E	B	010TF				+ 05000			A FS	
SUSAP	KDFWK4FH31LZ	AZUREK	030NKORTK4PC0EE		010TF				+ 03000			A FS	
SUSAP	KDFWK4FH31LZ	H	010NKORTK4PC0E	I	IF				+ 03000	18000		A FS	
SUSAP	KDFWK4FH31LZ	H	020TARROK4PC1E	F	010TF				+ 02400		RW31L K4PGA	FS	
SUSAP	KDFWK4FH31LZ	H	020TARROK4PC2W					A031				FS	
SUSAP	KDFWK4FH31LZ	H	030RW31LK4PG0GY	M	031TF			00631		-300		A FS	
SUSAP	KDFWK4FH31LZ	H	040HODAXK4PC0E	M	010TF							A FS	
SUSAP	KDFWK4FH31LZ	H	050KAGLEK4PC0EY		010TF				+ 03000			A FS	
SUSAP	KDFWK4FH31LZ	H	060KAGLEK4PC0EE	R	HM		12600040		+ 03000			A FS	

[illegible][illegible]

QUALITY
2
CHECKED

CITY AND STATE DALLAS-FORT WORTH, TX	ELEVATION: 607 TDZE: 581	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME: DALLAS/FORT WORTH INTL	RNAV	RNAV (RNP) Z RWY 31L, AMDT 1B	AMDT: 1A
			18 SEPTEMBER 2014	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
	ZUREK	ZUREK	010	IAF	IF		FB				AA 05000	
	ZUREK	WOLKA	020		TF		FB	1.0			AA 05000	
	ZUREK	NKORT	030		TF		FB	1.0			AA 03000	
		NKORT	010	FACF	IF		FB				AA 03000	
		TARRO	020	FAF	TF		FB	1.0			AA 02400	
		RW31L	030	MAP	TF		FO	0.3			AT 00631	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	HODAX	040		TF		FB	1.0				
	KAGLE	050		TF		FO	1.0			AA 03000	
	KAGLE	060		HM	R	FO		126.0 (130.0T)	004.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	HODAX	N325830.21	W0970902.13	N3258.504	W09709.036
	KAGLE	N331518.70	W0973244.51	N3315.312	W09732.742
	NKORT	N324614.69	W0965626.22	N3246.245	W09656.437
	TARRO	N324912.65	W0965928.65	N3249.211	W09659.478
	WOLKA	N324038.35	W0965042.19	N3240.639	W09650.703
	ZUREK	N323736.14	W0964736.22	N3237.602	W09647.604
	RW31L	N325324.97	W0970347.79	N3253.416	W09703.797

RUNWAY DATA	RWY	THRESHOLD	TCH
		ELEVATION	
	RW31L	00577	54

QUALITY
2
CHECKED

CITY AND STATE DALLAS-FORT WORTH, TX	ELEVATION: 607	TDZE: 581	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (RNP) Z RWY 31L, AMDT 1B 18 SEPTEMBER 2014	SUP:
	AIRPORT NAME: DALLAS/FORT WORTH INTL				AMDT: 1A
					DATED: 02/06/2014

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.

NOTES, (CONT.):

CHART NOTE: GPS REQUIRED.

CHART PLANVIEW NOTE: RADAR REQUIRED.

CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.

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

CITY AND STATE

DALLAS-FORT WORTH, TX

ELEVATION: 607

TDZE: 523

AIRPORT NAME:

DALLAS/FORT WORTH INTL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (RNP) Z RWY 31R, AMDT 2A

18 SEPTEMBER 2014

SUP:

AMDT: 2

DATED: 05/02/2013

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	KDFWK4FH31RZ	ATULOY	010TULOYK4PC0E	A	IF				+ 05000	18000		A	FS
SUSAP	KDFWK4FH31RZ	ATULOY	020GACHOK4PC0E	B	010TF				+ 05000			A	FS
SUSAP	KDFWK4FH31RZ	ATULOY	030VANDEK4PC0EE		010TF				+ 03000			A	FS
SUSAP	KDFWK4FH31RZ	H	010VANDEK4PC0E	I	IF				+ 03000	18000		A	FS
SUSAP	KDFWK4FH31RZ	H	020FIVISK4PC1E	F	010TF				+ 02400		RW31R	K4PGA	FS
SUSAP	KDFWK4FH31RZ	H	020FIVISK4PC2W							A031A232A142			FS
SUSAP	KDFWK4FH31RZ	H	030RW31RK4PGOGY	M	031TF				00561		-300	A	FS
SUSAP	KDFWK4FH31RZ	H	040		0 M	CA	3113		+ 01100			A	FS
SUSAP	KDFWK4FH31RZ	H	050SOLDOK4EA0EY	R	DF				+ 03000			A	FS
SUSAP	KDFWK4FH31RZ	H	060SOLDOK4EA0EE	R	HM		08400040		+ 03000			A	FS

[illegible][illegible]

SUP:	
AMDT:	2
DATED:	05/02/2013

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
	TULOY	TULOY	010	IAF	IF		FB				AA 05000	
	TULOY	GACHO	020		TF		FB	1.0			AA 05000	
	TULOY	VANDE	030		TF		FB	1.0			AA 03000	
		VANDE	010	FACF	IF		FB				AA 03000	
		FIVIS	020	PAF	TF		FB	1.0			AA 02400	
		RW31R	030	MAP	TF		FO	0.3			AT 00561	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		311.3 (315.3T)		AA 01100	
	SOLDO	050		DF	R	FO				AA 03000	
	SOLDO	060		HM	R	FO		084.0 (088.0T)	004.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	SOLDO	N325155.00	W0961956.32	N3251.917	W09619.939
	FIVIS	N324935.14	W0965513.70	N3249.586	W09655.228
	GACHO	N324258.57	W0964730.13	N3242.976	W09647.502
	TULOY	N324007.15	W0964410.28	N3240.119	W09644.171
	VANDE	N324809.64	W0965333.59	N3248.161	W09653.560
	RW31R	N325341.93	W0970003.04	N3253.699	W09700.051

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW31R	00508	53

2

CITY AND STATE DALLAS-FORT WORTH, TX	ELEVATION: 607	THRE: 523	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME: DALLAS/FORT WORTH INTL		RNAV	RNAV (RNP) Z RWY 31R, AMDT 2A	AMDT: 2
				18 SEPTEMBER 2014	DATED: 05/02/2013

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		LPV: DA LNAV/VNAV: DA LNAV: RW34 CLIMB TO 3000 DIRECT WROD AND HOLD. ADDITIONAL FLIGHT DATA: HOLD N, RT, 163.88 INBOUND. CHART FAS OBST: 853 TOWER 324630N/0972032W CHART 1198 BLDG 324501N/0972004W. DISTANCE TO THLD FROM 200 HAT: 0.46 NM. CHART VDP AT 1.33 MILES TO RW34* *LNAV ONLY. WAAS CHANNEL # 53412 REFERENCE PATH ID: W34A CHART CIRCLING ICON. LTP HAE: 177.5 M						
BARGO (IAF)		PAXXE (NOPT) (FB)		354.09 / 11.92				3000								
CURLE (IAF)		PAXXE (NOPT) (FB)		038.98 / 5.42				3000								
PAXXE (IF/IAF)		DOJED (FB)		343.92 / 6.00				2200								
DOJED (FAF)		WAGMU/2.60 NM TO RW34 (FB)		343.91 / 2.00												
WAGMU/2.60 NM TO RW34		RW34 (MAP) (FO)		343.91 / 2.60												
RW34 (MAP)		880 MSL		343.91				3000								
880 MSL		WOROD (FO)														
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. HOLD S PAXXE, RT, 343.92 INBOUND, 3000 FT. IN LIEU OF PT (IAF) 3. FAC: 343.91 FAF: DOJED DIST FAF TO MAP: 4.60 THLD: 4.60 4. MIN. ALT: PAXXE 3000, DOJED 2200, WAGMU/2.60 NM TO RW34 1560* 5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT: 6. MIN GS INCPT: 2200 GS ALT AT: DOJED 2200 OM: MM: IM: 7. GS ANGLE: 3.00 TCH: 59.8 34:1 IS CLEAR 8. MSA FROM: RW34 3600												MAG VAR: 8E EPOCH YEAR: 1975				
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	880	3/4	200	880	3/4	200	880	3/4	200	880	3/4	200				
LNAV/VNAV DA	1091	1 1/8	411	1091	1 1/8	411	1091	1 1/8	411	1091	1 1/8	411				
LNAV MDA	1160	3/4	480	1160	3/4	480	1160	1 1/8	480	1160	1 1/8	480				
CIRCLING	1260	1	550	1280	1	570	1340	1 3/4	630	1500	2 1/2	790				
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -5C (23F) OR ABOVE 54C (130F). @ CAT D 800-2 1/2 CHART NOTE: DME/DME RNP-0.3 NA. *LNAV ONLY CHART NOTE: FOR INOPERATIVE MALS, INCREASE LNAV/VNAV CAT D AND LNAV CAT D VISIBILITY TO 1 3/8 MILE.																
CITY AND STATE		ELEVATION: 710 TDZE: 680		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:						
FORT WORTH, TX		AIRPORT NAME:		FORT WORTH MEACHAM INTL		RNAV (GPS) RWY 34, AMDT 1 18 SEPTEMBER 2014				AMDT: ORIG						
										DATED		05/07/2009				

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 KFTW
RUNWAY RW34
APPROACH PERFORMANCE DESIGNATOR 0
ROUTE INDICATOR 0
REFERENCE PATH DATA SELECTOR 0
REFERENCE PATH IDENTIFIER (APPROACH ID) W34A
LTP/FTP LATITUDE 324835.1560N
LTP/FTP LONGITUDE 0972132.5720W
LTP/FTP ELLIPSOIDAL HEIGHT +01775
FPAP LATITUDE 325003.5400N
FPAP LONGITUDE 0972147.4700W
THRESHOLD CROSSING HEIGHT (TCH) 00059.8
TCH UNITS SELECTOR (METERS OR FEET USED) F
GLIDEPATH ANGLE (GPA) 03.00
COURSE WIDTH AT THRESHOLD 106.75
LENGTH OFFSET 0464
HORIZONTAL ALERT LIMIT (HAL) 40.0
VERTICAL ALERT LIMIT (VAL) 35.0

CRC REMAINDER

262C030C

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K4
LTP ORTHOMETRIC HEIGHT +02054
FPAP ORTHOMETRIC HEIGHT +02054

CITY AND STATE

FORT WORTH, TX

ELEVATION: 710

TDZE: 680

AIRPORT NAME:

FORT WORTH MEACHAM INTL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 34, AMDT 1

18 SEPTEMBER 2014

SUP:

AMDT: ORIG

DATED: 05/07/2009

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 visibility 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	KFTWK4FR34	ABARGO	010BARGOK4EA0E	A	IF					18000		A JS	
SUSAP	KFTWK4FR34	ABARGO	020PAXXEK4EA0EE	B	010TF		35410119	+	03000			A JS	
SUSAP	KFTWK4FR34	ACURLE	010CURLEK4EA0E	A	IF					18000		A JS	
SUSAP	KFTWK4FR34	ACURLE	020PAXXEK4EA0EE	B	010TF		03900054	+	03000			A JS	
SUSAP	KFTWK4FR34	APAXXE	010PAXXEK4EA0EE	AR	HF		34390040	+	03000	18000		A JS	
SUSAP	KFTWK4FR34	R	010PAXXEK4EA0E	I	IF			+	03000	18000		A JS	
SUSAP	KFTWK4FR34	R	020DOJEDK4EA1E	F	051TF		34390060	+	02200		RW34	K4PGA JS	
SUSAP	KFTWK4FR34	R	020DOJEDK4EA2WALPV			ALNAV/VNAV	ALNAV					JS	
SUSAP	KFTWK4FR34	R	021WAGMUK4EA0E	S	031TF		34390020	V	0156001562		-300	A JS	
SUSAP	KFTWK4FR34	R	030RW34	K4PG0GY	M	031TF	34390026		00734		-300	A JS	
SUSAP	KFTWK4FR34	R	040	0	M	CA	3439	+	00980			A JS	
SUSAP	KFTWK4FR34	R	050WORODK4EA0EY		DF			+	03000			A JS	
SUSAP	KFTWK4FR34	R	060WORODK4EA0EE	R	HM		16390040	+	03000			A JS	

[illegible][illegible]

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

CITY AND STATE
FORT WORTH, TX

ELEVATION: 710	TDZE: 680
AIRPORT NAME: FORT WORTH MEACHAM INTL	

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
RNAV (GPS) RWY 34, AMDT 1
18 SEPTEMBER 2014

SUP:	
AMDT:	ORIG
DATED:	05/07/2009

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 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012

SUSAP KFTWK4SRW34 K4PG 0 18018003625 M

CITY AND STATE
FORT WORTH, TX

ELEVATION: **710** TDZE: **680**
AIRPORT NAME:
FORT WORTH MEACHAM INTL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
RNAV (GPS) RWY 34, AMDT 1
18 SEPTEMBER 2014

SUP:
AMDT: **ORIG**
DATED: **05/07/2009**

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
BARGO		BARGO	010	IAF	IF		FB					
BARGO		PAXXE	020		TF		FB	1.0	354.1 (002.1T)	011.9	AA 03000	
CURLE		CURLE	010	IAF	IF		FB					
CURLE		PAXXE	020		TF		FB	1.0	039.0 (047.0T)	005.4	AA 03000	
PAXXE		PAXXE	010	IAF	HF	R	FO		343.9 (351.9T)	004.0	AA 03000	
		PAXXE	010	FACF	IF		FB				AA 03000	
		DOJED	020	FAF	TF		FB	0.5	343.9 (351.9T)	006.0	AA 02200	
		WAGMU	021	SDF	TF		FB	0.3	343.9 (351.9T)	002.0	AA 01560	GS 01562
		RW34	030	MAP	TF		FO	0.3	343.9 (351.9T)	002.6	AT 00734	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		343.9 (351.9T)		AA 00880	
	WOROD	050		DF		FO				AA 03000	
	WOROD	060		HM	R	FO		163.9 (171.9T)	004.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	BARGO	N322608.15	W0972017.33	N3226.136	W09720.289
	CURLE	N323421.86	W0972428.15	N3234.364	W09724.469
	DOJED	N324401.13	W0972046.43	N3244.019	W09720.774
	PAXXE	N323804.24	W0971946.45	N3238.071	W09719.774
	WAGMU	N324600.41	W0972106.50	N3246.007	W09721.108
	WOROD	N330105.33	W0972339.27	N3301.089	W09723.655
	RW34	N324835.16	W0972132.57	N3248.586	W09721.543

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW34	00674	60

CITY AND STATE
FORT WORTH, TX

ELEVATION: **710** TDZE: **680**
 AIRPORT NAME:
FORT WORTH MEACHAM INTL

FACILITY IDENTIFIER:
RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
RNAV (GPS) RWY 34, AMDT 1
18 SEPTEMBER 2014

SUP:
 AMDT: **ORIG**
 DATED: **05/07/2009**

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						
GARRR (IAF)		VANNN (TF) (FB) (RNP 1.00)		287.14 / 2.99			7000		CLIMB TO 3000 ON TRACK 266.96 TO LUCEP AND HOLD.						
BOZZZ (IAF)		VANNN (TF) (FB) (RNP 1.00)		247.53 / 2.89			7000								
VANNN		MKAYE (TF) (FB) (RNP 1.00)		267.21 / 4.99			7000								
MKAYE (IAF)		GRIEG (TF) (FB) (RNP 1.00)		267.16 / 4.25			5000								
GRIEG (IF)		KERNS (TF) (FB) (RNP 1.00)		267.12 / 7.22			3000								
(SEE FORM 8260-10)									ADDITIONAL FLIGHT DATA: HOLD W, RT, 086.73 INBOUND. CHART 207 TOWER 295915N/0951827W DISTANCE TO THLD FROM 319 HATH: 0.83 NM. ROUTE TYPE: A, H ROUTE TYPE QUALIFIER 1: F ROUTE TYPE QUALIFIER 2: S CHART MANDATORY 7000 AT ZOEEO CHART MANDATORY 7000 AT GARRR CHART MANDATORY 8000 AT BOZZZ #TCH 148.4 (DO NOT CHART)						
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)										MAG VAR: 3E EPOCH YEAR: 2015					
2. PROFILE STARTS AT NEEKO															
3. FAC: 267.02 FAF: _____ DIST FAF TO MAP: _____ THLD: _____															
4. MIN. ALT: NEEKO 2600, JEPNI 2000															
5. DIST TO THLD FROM OM: 5.81 MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____															
6. MIN GS INCPT: 2000 GS ALT AT: JEPNI 2000 OM: _____ MM: _____ IM: _____															
7. GS ANGLE: 3.00 TCH: 55.5# 34:1 IS CLEAR															
8. MSA FROM: RW26L 3100															
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 0.13 DA	412	4000	319	412	4000	319	412	4000	319	412	4000	319			
RNP 0.30 DA	547	5300	454	547	5300	454	547	5300	454	547	5300	454			
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -3C (27F) OR ABOVE 54C (130F). CHART NOTE: FOR INOPERATIVE ALSF, INCREASE RNP 0.13 ALL CATS VISIBILITY TO RVR 5100, AND RNP 0.30 ALL CATS VISIBILITY TO 1 1/2 MILES. CHART NOTE: GPS REQUIRED. (SEE FORM 8260-10)															
CITY AND STATE HOUSTON, TX		ELEVATION: 96 THRE: 93 AIRPORT NAME: GEORGE BUSH INTERCONTINENTAL/HOUSTON				FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (RNP) Y RWY 26L, ORIG-A 18 SEPTEMBER 2014				SUP: AMDT: ORIG DATED 05/29/2014			

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 (RNP) - STANDARD, INSTRUMENT APPROACH PROCEDURE, - TITLE 14 CFR PART 97.33				
TERMINAL ROUTES, (CONT.):				
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
KERNS	NEEKO (TF) (FB) (RNP 1.00)	266.82 / 1.76	2600	
ZOEEO (IF)	SKLER (TF) (FB) (RNP 1.00)	086.70 / 3.30	6000	
SKLER	DRKAR (TF) (FB) (RNP 1.00)	086.73 / 3.00	5100	
DRKAR	GGRIZ (RF) (FB) (RNP 1.00)	(2.57 NM RADIUS CW (CFBSV) / 4.07	3900	
GGRIZ	EELKK (TF) (FB) (RNP 1.00)	177.75 / 0.84	3700	
EELKK	NEEKO (RF) (FB) (RNP 1.00)	(2.55 NM RADIUS CW (CFBSW) / 3.99	2600	
NEEKO	JEPNI (TF) (FB) (RNP 1.00)	267.21 / 2.31	2000	
JEPNI (FAF)	RW26L (MAP) (TF) (FO)	267.02 / 5.81		
RW26L (MAP)	LUCEP (TF) (FO) (RNP 1.00)	266.96 / 23.9	3000	
 NOTES, (CONT.): CHART PLANVIEW NOTE AT BOZZZ : MAX 210 KIAS. CHART PLANVIEW NOTE AT ZOEEO : MAX 210 KIAS. CHART PLANVIEW NOTE AT GARRR : MAX 210 KIAS. CHART PLANVIEW NOTE: RADAR REQUIRED. CHART PLANVIEW NOTE ADJACENT TO ZOEEO IF: RF REQUIRED. CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT. CHART PROFILE NOTE: SEE PLANVIEW FOR MULTIPLE IF LOCATIONS. CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED WITH RWY 26R AND RWY 27, EXCEPT FOR ARRIVALS AT ZOEEO. CHART NOTE: USE OF FD OR AP PROVIDING RNAV TRACK GUIDANCE REQUIRED DURING SIMULTANEOUS OPERATIONS.				
QUALITY 2 CHECKED				
CITY AND STATE	ELEVATION: 96	THRE: 93	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:
HOUSTON, TX	AIRPORT NAME:		RNAV	RNAV (RNP) Y RWY 26L, ORIG-A
	GEORGE BUSH INTERCONTINENTAL/HOUSTON			18 SEPTEMBER 2014
			SUP:	
			AMDT:	ORIG
			DATED:	05/29/2014

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.

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KIAHK4FH26LY	ABOZZZ	010BOZZZK4PCOE	A	IF				08000	18000210		A-FS	
SUSAP	KIAHK4FH26LY	ABOZZZ	020VANNNK4PCOE		010TF			+	07000			A FS	
SUSAP	KIAHK4FH26LY	ABOZZZ	030MKAYEK4PCOE		010TF			+	07000			A FS	
SUSAP	KIAHK4FH26LY	ABOZZZ	040GRIEGK4PCOE	B	010TF			+	05000			A FS	
SUSAP	KIAHK4FH26LY	ABOZZZ	050KERNISK4PCOE		010TF			+	03000			A FS	
SUSAP	KIAHK4FH26LY	ABOZZZ	060NEEKOK4PCOEE		010TF			+	02600			A FS	
SUSAP	KIAHK4FH26LY	AGARRR	010GARRRK4PCOE	A	IF				07000	18000210		A-FS	
SUSAP	KIAHK4FH26LY	AGARRR	020VANNNK4PCOE		010TF			+	07000			A FS	
SUSAP	KIAHK4FH26LY	AGARRR	030MKAYEK4PCOE		010TF			+	07000			A FS	
SUSAP	KIAHK4FH26LY	AGARRR	040GRIEGK4PCOE	B	010TF			+	05000			A FS	
SUSAP	KIAHK4FH26LY	AGARRR	050KERNISK4PCOE		010TF			+	03000			A FS	
SUSAP	KIAHK4FH26LY	AGARRR	060NEEKOK4PCOEE		010TF			+	02600			A FS	
SUSAP	KIAHK4FH26LY	AMKAYE	010MKAYEK4PCOE	A	IF					18000		A FS	
SUSAP	KIAHK4FH26LY	AMKAYE	020GRIEGK4PCOE	B	010TF			+	05000			A FS	
SUSAP	KIAHK4FH26LY	AMKAYE	030KERNISK4PCOE		010TF			+	03000			A FS	
SUSAP	KIAHK4FH26LY	AMKAYE	040NEEKOK4PCOEE		010TF			+	02600			A FS	

QUALITY
12
CHECKED

CITY AND STATE HOUSTON, TX	ELEVATION: 96 THRE: 93	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME: GEORGE BUSH INTERCONTINENTAL/HOUSTON		RNAV (RNP) Y RWY 26L, ORIG-A	AMDT: ORIG
			18 SEPTEMBER 2014	DATED: 5/29/14

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[illegible]

QUALITY
12
CHECKED

CITY AND STATE HOUSTON, TX	ELEVATION: 96 THRE: 93	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME: GEORGE BUSH		RNAV (RNP) Y RWY 26L, ORIG-A	AMDT: ORIG
	INTERCONTINENTAL/HOUSTON		18 SEPTEMBER 2014	DATED: 5/29/14

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 (RNP) STANDARD INSTRUMENT APPROACH PROCEDURE												
FLIGHT STANDARDS SERVICES - FAR PART 97.33												
ARINC SUMMARY - 424-18 - RNAV (RNP)												
ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	BOZZZ	BOZZZ	010	IAF	IF		FB				AT 08000	AB 210
	BOZZZ	VANNN	020		TF		FB	1.0			AA 07000	
	BOZZZ	MKAYE	030		TF		FB	1.0			AA 07000	
	BOZZZ	GRIEG	040		TF		FB	1.0			AA 05000	
	BOZZZ	KERNS	050		TF		FB	1.0			AA 03000	
	BOZZZ	NEEKO	060		TF		FB	1.0			AA 02600	
	GARRR	GARRR	010	IAF	IF		FB				AT 07000	AB 210
	GARRR	VANNN	020		TF		FB	1.0			AA 07000	
	GARRR	MKAYE	030		TF		FB	1.0			AA 07000	
	GARRR	GRIEG	040		TF		FB	1.0			AA 05000	
	GARRR	KERNS	050		TF		FB	1.0			AA 03000	
	GARRR	NEEKO	060		TF		FB	1.0			AA 02600	
	MKAYE	MKAYE	010	IAF	IF		FB					
	MKAYE	GRIEG	020		TF		FB	1.0			AA 05000	
	MKAYE	KERNS	030		TF		FB	1.0			AA 03000	
	MKAYE	NEEKO	040		TF		FB	1.0			AA 02600	
	ZOEER	ZOEER	010		IF		FB				AT 07000	AB 210
	ZOEER	SKLER	020		TF		FB	1.0			AA 06000	
	ZOEER	DRKAR	030		TF		FB	1.0			AA 05100	
	ZOEER	GGRIZ	040		RF	R	FB	1.0		004.1	AA 03900	
	ZOEER	EELKK	050		TF		FB	1.0			AA 03700	
	ZOEER	NEEKO	060		RF	R	FB	1.0		004.0	AA 02600	
		NEEKO	010	FACF	IF		FB				AA 02600	
		JEPNI	020	FAF	TF		FB	1.0			AA 02000	
		RW26L	030	MAP	TF		FO	0.3			AT 00148	
MISSED APPROACH		FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		LUCEP	040		TF		FO	1.0			AA 03000	
		LUCEP	050		HM	R	FO		086.7 (089.7T)	004.0	AA 03000	
POINT DATA		WAYPOINT		LAT IN SECS		LONG IN SECS		LAT IN MINS		LONG IN MINS		
		BOZZZ		N300031.96		W0944601.33		N3000.533		W09446.022		
		CFBSV		N300300.02		W0951008.70		N3003.000		W09510.145		
		CFBSW		N300209.61		W0951008.63		N3002.160		W09510.144		
		DRKAR		N300534.38		W0951009.46		N3005.573		W09510.158		
		EELKK		N300207.63		W0950712.05		N3002.127		W09507.201		
		GARRR		N295831.89		W0944555.00		N2958.532		W09445.917		
		GGRIZ		N300258.03		W0950711.29		N3002.967		W09507.188		
		GRIEG		N295935.62		W0945948.48		N2959.594		W09459.808		
		JEPNI		N295936.45		W0951249.21		N2959.608		W09512.820		
CITY AND STATE		ELEVATION: 96		THRE: 93		FACILITY IDENTIFIER:		PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:			SUP:	
HOUSTON, TX		AIRPORT NAME:		GEORGE BUSH		RNAV		RNAV (RNP) Y RWY 26L, ORIG-A			AMDT: ORIG	
		INTERCONTINENTAL/HOUSTON						18 SEPTEMBER 2014			DATED: 5/29/14	



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 (RNP) STANDARD INSTRUMENT APPROACH PROCEDURE					
FLIGHT STANDARDS SERVICES - FAR PART 97.33					
	KERNS	N295936.30	W0950807.44	N2959.605	W09508.124
	LUCEP	N295932.38	W0954702.14	N2959.540	W09547.036
	MKAYE	N295934.98	W0945455.07	N2959.583	W09454.918
	NEEKO	N295935.96	W0951009.29	N2959.599	W09510.155
	SKLER	N300533.56	W0951337.25	N3005.559	W09513.621
	VANNN	N295933.99	W0944909.60	N2959.567	W09449.160
	ZOEEO	N300532.56	W0951725.16	N3005.543	W09517.419
	RW26L	N295936.38	W0951930.96	N2959.606	W09519.516
RUNWAY DATA	THRESHOLD				
	RWY	ELEVATION	TCH		
	RW26L	00093	56		
					
CITY AND STATE HOUSTON, TX	ELEVATION: 96 THRE: 93		FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	
	AIRPORT NAME: GEORGE BUSH			RNAV (RNP) Y RWY 26L, ORIG-A	
	INTERCONTINENTAL/HOUSTON			18 SEPTEMBER 2014	
			SUP:		
			AMDT:		ORIG
			DATED:		5/29/14

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 600 THEN CLIMBING RIGHT TURN TO 3000 DIRECT PEPBI AND HOLD. ADDITIONAL FLIGHT DATA: HOLD N, RT, 165.47 INBOUND. DISTANCE TO THLD FROM 333 HATH: 0.86 NM. ROUTE TYPE: A, H ROUTE TYPE QUALIFIER 1: F ROUTE TYPE QUALIFIER 2: S CHART MANDATORY 6000 AT SKLER CHART MANDATORY 6000 AT HOOTI CHART MANDATORY 5000 AT NEWLY #TCH 154.3 (DO NOT CHART)						
HOOTI (IAF)		GRIZL (TF) (FB) (RNP 1.00)			200.42 / 5.17			6000								
GRIZL		ZAPPO (TF) (FB) (RNP 1.00)			235.44 / 3.04			5000								
ZAPPO (IAF)		NEWLY (TF) (FB) (RNP 1.00)			267.22 / 5.04			5000								
NEWLY		RAIDS (TF) (FB) (RNP 1.00)			267.17 / 4.22			4000								
RAIDS (IF)		CHUBS (TF) (FB) (RNP 1.00)			267.13 / 7.22			3000								
(SEE FORM 8260-10)																
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. PROFILE STARTS AT SOOPR _____ 3. FAC: 267.02 FAF: _____ DIST FAF TO MAP: _____ THLD: _____ 4. MIN. ALT: SOOPR 2600, OWELL 2000 5. DIST TO THLD FROM OM: 5.80 MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 2000 GS ALT AT: OWELL 2000 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 59.4# 34:1 IS NOT CLEAR 8. MSA FROM: RW26R 3100																
											MAG VAR: 3E			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	
AUTHORIZATION REQUIRED																
RNP 0.11 DA	428	4000	333	428	4000	333	428	4000	333	428	4000	333				
RNP 0.15 DA	495	4200	400	495	4200	400	495	4200	400	495	4200	400				
RNP 0.30 DA	553	5300	458	553	5300	458	553	5300	458	553	5300	458				
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -3C (27F) OR ABOVE 54C (130F). CHART NOTE: FOR INOPERATIVE ALSF, INCREASE RNP 0.11 ALL CATS VISIBILITY TO RVR 5300, RNP 0.15 ALL CATS VISIBILITY TO 1 1/4 MILES, AND RNP 0.30 ALL CATS VISIBILITY TO 1 1/2 MILES. CHART NOTE: GPS REQUIRED. (SEE FORM 8260-10)																
CITY AND STATE HOUSTON, TX		ELEVATION: 96 THRE: 95 AIRPORT NAME: GEORGE BUSH INTERCONTINENTAL/HOUSTON			FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (RNP) Y RWY 26R, ORIG-A 18 SEPTEMBER 2014						SUP:			
													AMDT: ORIG			
													DATED 05/29/2014			



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 (RNP) - STANDARD, INSTRUMENT APPROACH PROCEDURE, - TITLE 14 CFR PART 97.33				
TERMINAL ROUTES, (CONT.):				
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
CHUBS	SOOPR (TF) (FB) (RNP 1.00)	266.82 / 1.76	2600	
SKLER (IF)	DRKAR (TF) (FB) (RNP 1.00)	086.73 / 3.00	5100	
DRKAR	SOOPR (RF) (FB) (RNP 1.00)	(2.57 NM RADIUS CW (CFBST) / 8.09	2600	
SOOPR	OWELL (TF) (FB) (RNP 1.00)	267.20 / 2.60	2000	
OWELL (FAF)	RW26R (MAP) (TF) (FO)	267.02 / 5.80		
RW26R (MAP)	600 MSL (CA)	267.02	600	
600 MSL	PEPBI (DF) (FO)		3000	
NOTES, (CONT.): CHART PLANVIEW NOTE AT SKLER : MAX 210 KIAS. CHART PLANVIEW NOTE AT HOOTI : MAX 210 KIAS. CHART PLANVIEW NOTE: RADAR REQUIRED. CHART PLANVIEW NOTE ADJACENT TO SKLER: RF REQUIRED. CHART PROFILE NOTE: SEE PLANVIEW FOR MULTIPLE IF LOCATIONS. CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED WITH RWY 26L AND RWY 27, EXCEPT FOR ARRIVALS AT SKLER. CHART NOTE: USE OF FD OR AP PROVIDING RNAV TRACK GUIDANCE REQUIRED DURING SIMULTANEOUS OPERATIONS.				
QUALITY 2 CHECKED				
CITY AND STATE	ELEVATION: 96	THRE: 95	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:
HOUSTON, TX	AIRPORT NAME:		RNAV	RNAV (RNP) Y RWY 26R, ORIG-A
	GEORGE BUSH INTERCONTINENTAL/HOUSTON			18 SEPTEMBER 2014
			SUP:	
			AMDT:	ORIG
			DATED:	05/29/2014

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]

CITY AND STATE HOUSTON, TX	ELEVATION: 96 THRE: 95	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME: GEORGE BUSH		RNAV (RNP) Y RWY 26R, ORIG-A	AMDT: ORIG
	INTERCONTINENTAL/HOUSTON		18 SEPTEMBER 2014	DATED: 05/29/2014

QUALITY
12
CHECKED

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION <u>RNAV (RNP) 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 (RNP) 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.

SUSAP	KIAHK4FH26RY	H	020OWELLK4PC1E	F	010TF		02000		RW26R	K4PGA	FS
SUSAP	KIAHK4FH26RY	H	020OWELLK4PC2W					A031A152A112			FS
SUSAP	KIAHK4FH26RY	H	030RW26RK4PG0GY	M	031TF		00154		-300		A FS
SUSAP	KIAHK4FH26RY	H	040	0	M	CA	2670	00600			A FS
SUSAP	KIAHK4FH26RY	H	050PEPBIK4EA0EY			DF		03000			A FS
SUSAP	KIAHK4FH26RY	H	060PEPBIK4EA0EE	R	HM		16550040	03000			A FS

[illegible]

CITY AND STATE HOUSTON, TX	ELEVATION: 96 THRE: 95	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME: GEORGE BUSH		RNAV (RNP) Y RWY 26R, ORIG-A	AMDT: ORIG
	INTERCONTINENTAL/HOUSTON		18 SEPTEMBER 2014	DATED: 05/29/2014

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 (RNP) STANDARD INSTRUMENT APPROACH PROCEDURE												
FLIGHT STANDARDS SERVICES - FAR PART 97.33												
ARINC SUMMARY - 424-18 - RNAV (RNP)												
ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	HOOTI	HOOTI	010	IAF	IF		FB				AT 06000	AB 210
	HOOTI	GRIZL	020		TF		FB	1.0			AA 06000	
	HOOTI	ZAPPO	030		TF		FB	1.0			AA 05000	
	HOOTI	NEWLY	040		TF		FB	1.0			AT 05000	
	HOOTI	RAIDS	050		TF		FB	1.0			AA 04000	
	HOOTI	CHUBS	060		TF		FB	1.0			AA 03000	
	HOOTI	SOOPR	070		TF		FB	1.0			AA 02600	
	SKLER	SKLER	010		IF		FB				AT 06000	AB 210
	SKLER	DRKAR	020		TF		FB	1.0			AA 05100	
	SKLER	SOOPR	030		RF	R	FB	1.0		008.1	AA 02600	
	ZAPPO	ZAPPO	010	IAF	IF		FB					
	ZAPPO	NEWLY	020		TF		FB	1.0			AT 05000	
	ZAPPO	RAIDS	030		TF		FB	1.0			AA 04000	
	ZAPPO	CHUBS	040		TF		FB	1.0			AA 03000	
	ZAPPO	SOOPR	050		TF		FB	1.0			AA 02600	
		SOOPR	010	FACF	IF		FB				AA 02600	
		OWELL	020	FAF	TF		FB	1.0			AA 02000	
		RW26R	030	MAP	TF		FO	0.3			AT 00154	
MISSED APPROACH		FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
			040		CA		FB		267.0 (270.0T)		AA 00600	
		PEPBI	050		DF		FO				AA 03000	
		PEPBI	060		HM	R	FO		165.5 (168.5T)	004.0	AA 03000	
POINT DATA		WAYPOINT	LAT IN SECS		LONG IN SECS		LAT IN MINS		LONG IN MINS			
		PEPBI	N301706.28		W0952505.01		N3017.105		W09525.084			
		CFBST	N300259.91		W0951008.70		N3002.999		W09510.145			
		CHUBS	N300025.77		W0950807.38		N3000.430		W09508.123			
		DRKAR	N300534.38		W0951009.46		N3005.573		W09510.158			
		GRIZL	N300159.07		W0944609.44		N3001.985		W09446.157			
		HOOTI	N300644.50		W0944347.35		N3006.742		W09443.789			
		NEWLY	N300024.42		W0945456.63		N3000.407		W09454.944			
		OWELL	N300025.93		W0951308.77		N3000.432		W09513.146			
		RAIDS	N300025.07		W0945948.35		N3000.418		W09459.806			
		SKLER	N300533.56		W0951337.25		N3005.559		W09513.621			
		SOOPR	N300025.43		W0951009.31		N3000.424		W09510.155			
		ZAPPO	N300023.40		W0944908.34		N3000.390		W09449.139			
		RW26R	N300025.86		W0951949.29		N3000.431		W09519.822			
RUNWAY DATA		THRESHOLD										
CITY AND STATE		ELEVATION: 96		THRE: 95		FACILITY IDENTIFIER:		PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:			SUP:	
HOUSTON, TX						RNAV		RNAV (RNP) Y RWY 26R, ORIG-A			AMDT: ORIG	
				INTERCONTINENTAL/HOUSTON				18 SEPTEMBER 2014			DATED: 05/29/2014	



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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RWY	ELEVATION	TCH
RW26R	00095	55

QUALITY
12
CHECKED

CITY AND STATE HOUSTON, TX	ELEVATION: 96 THRE: 95	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (RNP) Y RWY 26R, ORIG-A 18 SEPTEMBER 2014	SUP:
	AIRPORT NAME: GEORGE BUSH INTERCONTINENTAL/HOUSTON			AMDT: ORIG
				DATED: 05/29/2014

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		
				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
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS
NOTES:					
PROCEDURE CANCELED EFFECTIVE 18 SEPTEMBER 2014					
CITY AND STATE NEW MARKET, VA	ELEVATION: 963 THRE: 962 AIRPORT NAME: NEW MARKET		FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMD'T NO./EFFECTIVE DATE: RNAV (GPS) RWY 6, ORIG, 01/12/2012	
				SUP: AMD'T: 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		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 18 SEPTEMBER 2014															
CITY AND STATE NEW MARKET, VA		ELEVATION: 963 THRE: 963 AIRPORT NAME: NEW MARKET		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 24, ORIG, 01/12/2012						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: RW06 CLIMBING LEFT TURN TO 6100 DIRECT YOSUG AND HOLD, CONTINUE CLIMB-IN-HOLD TO 6100. ADDITIONAL FLIGHT DATA: FAS OBST: 1519 AAO 383605N/0784657W OBST: 1795 AAO 383512N/0784721W WIVUK TO RW06: 3.77/40. CHART CIRCLING ICON.	
ZEPUP (IAF)	YOSUG (NOPT) (FB)	152.68 / 8.00	5200		
UFEYA (IAF)	YOSUG (NOPT) (FB)	332.80 / 8.00	5200		
YOSUG (IF/IAF)	WIVUK (FB)	062.74 / 6.00	3300		
WIVUK (FAF)	RW06 (MAP) (FO)	062.80 / 5.74			
RW06 (MAP)	1363 MSL	062.80			
1363 MSL	YOSUG (FO)		6100		
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. HOLD SW YOSUG, RT, 062.74 INBOUND, 5200 FT. IN LIEU OF PT (IAF) 3. FAC: 062.80 FAF: WIVUK DIST FAF TO MAP: 5.74 THLD: 5.74 4. MIN. ALT: YOSUG 5200, WIVUK 3300 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: 10W EPOCH YEAR: 2010	
MINIMUMS					
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT			ALTERNATE: N A <u> </u> @ <u> </u>		
CATEGORY =====>	A		B		C
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS
CIRCLING	1980	3	1017	1980	3
NOTES: CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: PROCEDURE NA AT NIGHT. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE STAUNTON/WAYNESBORO/HARRISONBURG ALTIMETER SETTING AND INCREASE ALL MDA 100 FEET.					
CITY AND STATE		ELEVATION: 963 TDZE:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	
NEW MARKET, VA		AIRPORT NAME:	RNAV	RNAV (GPS)-A, ORIG 18 SEPTEMBER 2014	
		NEW MARKET			
				SUP: 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.	333/30 CW 046/30 (NOPT)	333/6 CW 046/6	6700
2.	046/30 CW 153/30	046/6 CW 153/6	7100
3.	333/6 CW 046/6	YOSUG (IF/IAF) (FB)	5200
4.	046/6 CW 153/6	YOSUG (IF/IAF) (FO)	6000
5.	153/30 CW 243/30	ZEPUP (IAF) (FB)	6800
6.	243/30 CW 333/30	UFEYA (IAF) (FB)	6300

CITY AND STATE

NEW MARKET, VA

ELEVATION: 963

TDZE:

AIRPORT NAME:

NEW MARKET

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS)-A, ORIG

18 SEPTEMBER 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]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP 8W2 K6FRNV-A AUFEYA	010UFEYAK6EA0E	A	IF							18000		B	JC
SUSAP 8W2 K6FRNV-A AUFEYA	020YOSUGK6EA0EE	B	010TF			33280080		+ 05200				B	JC
SUSAP 8W2 K6FRNV-A AYOSUG	010YOSUGK6EA0EE	AR	HF			06270050		+ 05200		18000		B	JC
SUSAP 8W2 K6FRNV-A AZEPUP	010ZEPUPK6EA0E	A	IF							18000		B	JC
SUSAP 8W2 K6FRNV-A AZEPUP	020YOSUGK6EA0EE	B	010TF			15270080		+ 05200				B	JC
SUSAP 8W2 K6FRNV-A R	010YOSUGK6EA0E	I	IF					+ 05200		18000		B	JC
SUSAP 8W2 K6FRNV-A R	020WIVUKK6EA0E	F	051TF			06270060		+ 03300				B	JC
SUSAP 8W2 K6FRNV-A R	030RW06 K6PG0GY	M	031TF			06280057				01980	-377	B	JC
SUSAP 8W2 K6FRNV-A R	040	0	M	CA		0628		+ 01363				B	JC
SUSAP 8W2 K6FRNV-A R	050YOSUGK6EA0EY	L	DF					+ 06100				B	JC
SUSAP 8W2 K6FRNV-A R	060YOSUGK6EA0EE	R	HM			06270050		+ 06100				B	JC

[illegible]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

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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
	UFEYA	UFEYA	010	IAF	IF		FB					
	UFEYA	YOSUG	020		TF		FB	1.0	332.8 (322.8T)	008.0	AA 05200	
	YOSUG	YOSUG	010	IAF	HF	R	FO		062.7 (052.7T)	005.0	AA 05200	
	ZEPUP	ZEPUP	010	IAF	IF		FB					
	ZEPUP	YOSUG	020		TF		FB	1.0	152.7 (142.7T)	008.0	AA 05200	
		YOSUG	010	FACF	IF		FB				AA 05200	
		WIVUK	020	FAF	TF		FB	0.5	062.7 (052.7T)	006.0	AA 03300	
		RW06	030	MAP	TF		FO	0.3	062.8 (052.8T)	005.7	AT 01980	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		062.8 (052.8T)		AA 01363	
	YOSUG	050		DF	L	FO				AA 06100	
	YOSUG	060		HM	R	FO		062.7 (052.7T)	005.0	AA 06100	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	UFEYA	N382543.91	W0784831.07	N3825.732	W07848.518
	WIVUK	N383544.59	W0784835.36	N3835.743	W07848.589
	YOSUG	N383206.50	W0785440.89	N3832.108	W07854.682
	ZEPUP	N383828.75	W0790051.80	N3838.479	W07900.863
	RW06	N383912.83	W0784245.26	N3839.214	W07842.754

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW06	00962	40

CITY AND STATE
NEW MARKET, VA

ELEVATION: **963** TDZE:
 AIRPORT NAME:
NEW MARKET

FACILITY
 IDENTIFIER:
RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
RNAV (GPS)-A, ORIG
18 SEPTEMBER 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: PAKBE											
CETLA (IAF)	JULNU (NOPT) (FB)	303.08 / 8.00	5700	CLIMBING RIGHT TURN TO 5700 DIRECT JULNU AND HOLD, CONTINUE CLIMB-IN-HOLD TO 5700.											
YALUS (IAF)	JULNU (NOPT) (FB)	122.89 / 8.00	5700												
JULNU (IF/IAF)	HUTUM (FB)	212.99 / 8.00	3700												
HUTUM (FAF)	PAKBE (MAP) (FO)	212.95 / 6.09													
PAKBE (MAP)	1363 MSL	212.95													
1363 MSL	JULNU (FO)		5700	ADDITIONAL FLIGHT DATA: FAS OBST: 1396 AAO 384110N/0784145W HUTUM TO RW24: 3.77/40. CHART CIRCLING ICON. FAC CROSSES RWY C/L EXTENDED 4500 FROM THLD. CHART PLANVIEW NOTE: FINAL APPROACH COURSE OFFSET 29.96 DEGREES.											
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF)															
2. HOLD NE JULNU, RT, 212.99 INBOUND, 5700 FT. IN LIEU OF PT (IAF)															
3. FAC: 212.95 FAF: HUTUM DIST FAF TO MAP: 6.09 THLD: 6.74															
4. MIN. ALT: JULNU 5700, HUTUM 3700															
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: 10W EPOCH YEAR: 2010															
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
CIRCLING	1980	3	1017	1980	3	1017		NA			NA				
NOTES: CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: PROCEDURE NA AT NIGHT. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE STAUNTON/WAYNESBORO/HARRISONBURG ALTIMETER SETTING AND INCREASE ALL MDA 100 FEET.															
CITY AND STATE NEW MARKET, VA		ELEVATION: 963 TDZE: AIRPORT NAME: NEW MARKET		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS)-B, ORIG 18 SEPTEMBER 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.

TAA

	FROM	TO	ALT
1.	123/30 CW 303/30 (NOPT)	JULNU (IF/IAF) (FB)	5700
2.	303/30 CW 033/30	CETLA (IAF) (FB)	6300
3.	033/30 CW 123/30	YALUS (IAF) (FB)	7000

CITY AND STATE

NEW MARKET, VA

ELEVATION: 963

TDZE:

AIRPORT NAME:

NEW MARKET

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS)-B, ORIG

18 SEPTEMBER 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 PACKET - 424-18 - RNAV (GPS)

[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP 8W2 K6FRNV-B ACETLA 010CETLAK6EA0E A IF										18000		B JC	
SUSAP 8W2 K6FRNV-B ACETLA 020JULNUK6EA0EE B 010TF							30310080	+ 05700				B JC	
SUSAP 8W2 K6FRNV-B AJULNU 010JULNUK6EA0EE AR HF							21300050	+ 05700				B JC	
SUSAP 8W2 K6FRNV-B AYALUS 010YALUSK6EA0E A IF										18000		B JC	
SUSAP 8W2 K6FRNV-B AYALUS 020JULNUK6EA0EE B 010TF							12290080	+ 05700				B JC	
SUSAP 8W2 K6FRNV-B R 010JULNUK6EA0E I IF								+ 05700		18000		B JC	
SUSAP 8W2 K6FRNV-B R 020HUTUMK6EA0E F 051TF							21300080	+ 03700				B JC	
SUSAP 8W2 K6FRNV-B R 030PAKBEK6EA0EY M 031TF							21300061			-377		B JC	
SUSAP 8W2 K6FRNV-B R 040 0 M CA							2130	+ 01363				B JC	
SUSAP 8W2 K6FRNV-B R 050JULNUK6EA0EY R DF								+ 05700				B JC	
SUSAP 8W2 K6FRNV-B R 060JULNUK6EA0EE R HM							21300050	+ 05700				B JC	

[illegible]

CITY AND STATE NEW MARKET, VA	ELEVATION: 963	TDZE:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS)-B, ORIG 18 SEPTEMBER 2014	SUP:
	AIRPORT NAME: NEW MARKET	FACILITY IDENTIFIER: RNAV		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
	CETLA	CETLA	010	IAF	IF		FB					
	CETLA	JULNU	020		TF		FB	1.0	303.1 (293.1T)	008.0	AA 05700	
	JULNU	JULNU	010	IAF	HF	R	FO		213.0 (203.0T)	005.0	AA 05700	
	YALUS	YALUS	010	IAF	IF		FB					
	YALUS	JULNU	020		TF		FB	1.0	122.9 (112.9T)	008.0	AA 05700	
		JULNU	010	FACF	IF		FB				AA 05700	
		HUTUM	020	FAF	TF		FB	0.5	213.0 (203.0T)	008.0	AA 03700	
		PAKBE	030	MAP	TF		FO	0.3	213.0 (203.0T)	006.1	AT 01980	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		213.0 (203.0T)		AA 01363	
	JULNU	050		DF	R	FO				AA 05700	
	JULNU	060		HM	R	FO		213.0 (203.0T)	005.0	AA 05700	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CETLA	N384942.82	W0782512.96	N3849.714	W07825.216
	HUTUM	N384528.44	W0783838.07	N3845.474	W07838.635
	JULNU	N385250.82	W0783438.43	N3852.847	W07834.641
	PAKBE	N383951.62	W0784139.92	N3839.860	W07841.665
	YALUS	N385558.08	W0784404.72	N3855.968	W07844.079
	RW24	N383924.77	W0784225.15	N3839.413	W07842.419

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW24	00963	40

CITY AND STATE
NEW MARKET, VA

ELEVATION: **963** TDZE:
 AIRPORT NAME:
NEW MARKET

FACILITY
 IDENTIFIER:
RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
RNAV (GPS)-B, ORIG
18 SEPTEMBER 2014

SUP:
 AMDT: **NONE**
 DATED:

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: 7.01 MILES AFTER SVM VORTAC OR AT MADWE / 7.01 DME FIX CLIMB TO 1800 THEN CLIMBING LEFT TURN TO 2400 DIRECT SVM VORTAC AND HOLD. ADDITIONAL FLIGHT DATA: HOLD NW, LT, 123.76 INBOUND. CHART FAS OBST: 1308 GEN UTIL 422404N/0833325W CHART 1164 TOWER 422151N/0833251W. FAC CROSSES MID POINT OF RWY 18/36. CHART MAXIMUM 6000 AT SVM VORTAC.						
1. PT <u>L</u> SIDE OF COURSE <u>303.76</u> OUTBOUND <u>2400</u> FT WITHIN <u>5</u> MILES OF <u>SVM VORTAC</u> (IAF) 2. _____ 3. FAC <u>123.76</u> FAF <u>SVM VORTAC</u> DIST FAF TO MAP <u>7.01</u> THLD _____ 4. MIN. ALT <u>SVM VORTAC 2400</u> 8. MSA FROM: <u>SVM VORTAC 050-295 3100, 295-050 2600</u>										MAG VAR: 3W		EPOCH YEAR: 1965				
MINIMUMS																
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT								ALTERNATE: N A		X						
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	1640	1 1/4	944		NA			NA			NA					
NOTES: CHART NOTE: PROCEDURE NA AT NIGHT. CHART NOTE: USE WILLOW RUN ALTIMETER SETTING, WHEN NOT RECEIVED, USE DETROIT METROPOLITAN WAYNE COUNTY ALTIMETER SETTING. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.																
CITY AND STATE PLYMOUTH, MI				ELEVATION: 696 AIRPORT NAME: CANTON-PLYMOUTH-METTETAL		TDZE:		FACILITY IDENTIFIER: SVM		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: VOR-A, AMDT 12A 16 OCTOBER 2014				SUP AMDT 12 DATE 02/14/2008		

[4910-13]

DEPARTMENT OF TRANSPORTATION

Federal Aviation Administration

14 CFR Part 97

[Docket No. [30973](#); Amdt. No. [3604](#)]

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 [AUGUST 1, 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
18-Sep-14	CA	Santa Rosa	Charles M. Schulz - Sonoma County	4/0400	07/17/14	RNAV (GPS) RWY 2, Orig
18-Sep-14	NC	Elizabeth City	Elizabeth City CG Air Station/Rgnl	4/0862	07/17/14	VOR/DME RWY 28, Amdt 1A
18-Sep-14	NC	Elizabeth City	Elizabeth City CG Air Station/Rgnl	4/0863	07/17/14	VOR/DME RWY 19, Amdt 10E
18-Sep-14	NC	Elizabeth City	Elizabeth City CG Air Station/Rgnl	4/0864	07/17/14	VOR/DME RWY 10, Orig-D
18-Sep-14	NC	Elizabeth City	Elizabeth City CG Air Station/Rgnl	4/0865	07/17/14	NDB RWY 10, Orig-F
18-Sep-14	NC	Elizabeth City	Elizabeth City Cg Air Station/Rgnl	4/0866	07/29/14	RNAV (GPS) RWY 1, Orig-B
18-Sep-14	NC	Elizabeth City	Elizabeth City CG Air Station/Rgnl	4/0867	07/17/14	RNAV (GPS) RWY 19, Orig-A
18-Sep-14	NC	Elizabeth City	Elizabeth City CG Air Station/Rgnl	4/0869	07/17/14	ILS OR LOC RWY 10, Amdt 1
18-Sep-14	NC	Elizabeth City	Elizabeth City Cg Air Station/Rgnl	4/0870	07/17/14	RNAV (GPS) RWY 10, Amdt 1A
18-Sep-14	KY	Sturgis	Sturgis Muni	4/0921	07/22/14	RNAV (GPS) RWY 19, Amdt 1
18-Sep-14	KY	Sturgis	Sturgis Muni	4/0923	07/22/14	RNAV (GPS) RWY 1, Amdt 1
18-Sep-14	SC	Florence	Florence Rgnl	4/1071	07/17/14	VOR OR TACAN A, Amdt 6
18-Sep-14	SC	Florence	Florence Rgnl	4/1072	07/17/14	RNAV (GPS) RWY 27, Orig
18-Sep-14	SC	Florence	Florence Rgnl	4/1073	07/17/14	RNAV (GPS) RWY 19, Orig
18-Sep-14	SC	Florence	Florence Rgnl	4/1080	07/17/14	ILS OR LOC RWY 9, Amdt 12
18-Sep-14	SC	Florence	Florence Rgnl	4/1086	07/17/14	RNAV (GPS) RWY 1, Orig
18-Sep-14	AZ	Flagstaff	Flagstaff Pulliam	4/1775	07/22/14	RNAV (GPS) Y RWY 21, Orig
18-Sep-14	AZ	Flagstaff	Flagstaff Pulliam	4/1778	07/22/14	VOR/DME RWY 21, Orig-C
18-Sep-14	NC	Wilson	Wilson Industrial Air Center	4/1779	07/25/14	RNAV (GPS) RWY 3, Amdt 1A
18-Sep-14	NY	Newburgh	Stewart Intl	4/1853	07/25/14	ILS OR LOC RWY 27, Amdt 1A
18-Sep-14	NY	Newburgh	Stewart Intl	4/1855	07/25/14	RNAV (GPS) RWY 27, Amdt 1A
18-Sep-14	NY	Newburgh	Stewart Intl	4/1856	07/25/14	RNAV (GPS) RWY 9, Amdt 1A
18-Sep-14	WA	Seattle	Seattle-Tacoma Intl	4/1891	07/22/14	RNAV (GPS) Y RWY 34R, Amdt 2B
18-Sep-14	NV	Las Vegas	North Las Vegas	4/2060	07/22/14	GPS RWY 12R, Orig-D
18-Sep-14	TN	Chattanooga	Lovell Field	4/2277	07/29/14	RNAV (GPS) RWY 15, Orig
18-Sep-14	TN	Chattanooga	Lovell Field	4/2278	07/29/14	RNAV (GPS) RWY 33, Orig

18-Sep-14	FL	Orlando	Orlando Sanford Intl	4/2302	07/25/14	ILS OR LOC RWY 9L, Amdt 4
18-Sep-14	NC	Wilson	Wilson Industrial Air Center	4/2351	07/25/14	RNAV (GPS) RWY 21, Orig-B
18-Sep-14	NC	Wilson	Wilson Industrial Air Center	4/2354	07/25/14	RNAV (GPS) RWY 33, Orig-A
18-Sep-14	NJ	Caldwell	Essex County	4/2357	07/17/14	RNAV (GPS) RWY 4, Orig
18-Sep-14	DE	Wilmington	New Castle	4/2362	07/22/14	RNAV (GPS) RWY 27, Orig
18-Sep-14	DE	Wilmington	New Castle	4/2397	07/22/14	RNAV (GPS) RWY 9, Orig
18-Sep-14	PA	St Marys	St Marys Muni	4/2401	07/25/14	RNAV (GPS) RWY 28, Amdt 1A
18-Sep-14	PA	St Marys	St Marys Muni	4/2402	07/25/14	LOC/DME RWY 28, Amdt 4A
18-Sep-14	PA	St Marys	St Marys Muni	4/2403	07/25/14	VOR RWY 28, Amdt 7
18-Sep-14	NC	Raleigh/Durham	Raleigh-Durham Intl	4/2407	07/25/14	VOR RWY 32, Amdt 3C
18-Sep-14	MA	Chatham	Chatham Muni	4/2408	07/25/14	RNAV (GPS) B, Orig-A
18-Sep-14	MA	Chatham	Chatham Muni	4/2409	07/25/14	NDB A, Amdt 1A
18-Sep-14	PA	Reading	Reading Rgnl/Carl A Spaatz Field	4/2411	07/29/14	RNAV (GPS) RWY 18, Orig
18-Sep-14	PA	Reading	Reading Rgnl/Carl A Spaatz Field	4/2412	07/29/14	RNAV (GPS) RWY 13, Orig
18-Sep-14	NJ	Caldwell	Essex County	4/2415	07/17/14	RNAV (GPS) RWY 10, Orig
18-Sep-14	NJ	Caldwell	Essex County	4/2441	07/17/14	LOC RWY 22, Amdt 3
18-Sep-14	NJ	Caldwell	Essex County	4/2456	07/17/14	RNAV (GPS) RWY 22, Amdt 1
18-Sep-14	NC	Erwin	Harnett Rgnl Jetport	4/2513	07/29/14	NDB RWY 23, Amdt 2A
18-Sep-14	MA	Great Barrington	Walter J. Koladza	4/2699	07/17/14	RNAV (GPS) RWY 11, Orig
18-Sep-14	FL	Tampa	Peter O Knight	4/2742	07/29/14	RNAV (GPS) RWY 22, Amdt 2
18-Sep-14	NY	Newburgh	Stewart Intl	4/2932	07/22/14	RNAV (GPS) RWY 34, Amdt 1A
18-Sep-14	WV	Parkersburg	Mid-Ohio Valley Rgnl	4/3460	07/29/14	RNAV (GPS) RWY 10, Orig
18-Sep-14	WV	Parkersburg	Mid-Ohio Valley Rgnl	4/3461	07/29/14	RNAV (GPS) RWY 28, Orig
18-Sep-14	WV	Parkersburg	Mid-Ohio Valley Rgnl	4/3462	07/29/14	RNAV (GPS) RWY 3, Amdt 2
18-Sep-14	WV	Parkersburg	Mid-Ohio Valley Rgnl	4/3463	07/29/14	RNAV (GPS) RWY 21, Amdt 2A
18-Sep-14	GA	Jekyll Island	Jekyll Island	4/3560	07/17/14	RNAV (GPS) RWY 36, Amdt 1
18-Sep-14	GA	Jekyll Island	Jekyll Island	4/3564	07/17/14	RNAV (GPS) RWY 18, Orig
18-Sep-14	ME	Pittsfield	Pittsfield Muni	4/3566	07/17/14	RNAV (GPS) RWY 18, Orig-B
18-Sep-14	WY	Casper	Casper/Natrona County Intl	4/3995	07/29/14	ILS OR LOC RWY 8, Amdt 25A
18-Sep-14	WA	Olympia	Olympia Rgnl	4/4127	07/17/14	VOR A, Amdt 1A
18-Sep-14	WA	Olympia	Olympia Rgnl	4/4129	07/17/14	ILS OR LOC RWY 17, Amdt 12

18-Sep-14	WA	Olympia	Olympia Rgnl	4/4130	07/17/14	VOR/DME RWY 35, Amdt 12A
18-Sep-14	WA	Puyallup	Pierce County - Thun Field	4/4161	07/17/14	GPS RWY 34, Orig-B
18-Sep-14	NY	Buffalo	Buffalo Airfield	4/4167	07/17/14	RNAV (GPS) RWY 24, Amdt 1
18-Sep-14	NY	Buffalo	Buffalo Airfield	4/4168	07/17/14	RNAV (GPS) RWY 6, Orig
18-Sep-14	FL	Palm Coast	Flagler County	4/4237	07/29/14	RNAV (GPS) RWY 24, Orig-A
18-Sep-14	FL	Palm Coast	Flagler County	4/4239	07/29/14	RNAV (GPS) RWY 29, Orig-A
18-Sep-14	AK	Cold Bay	Cold Bay	4/4395	07/17/14	RNAV (GPS) RWY 33, Amdt 2A
18-Sep-14	AK	Cold Bay	Cold Bay	4/4398	07/17/14	LOC/DME BC RWY 33, Amdt 10A
18-Sep-14	AK	Cold Bay	Cold Bay	4/4399	07/17/14	RNAV (GPS) RWY 15, Amdt 2
18-Sep-14	AK	Cold Bay	Cold Bay	4/4400	07/17/14	VOR RWY 15, Amdt 15
18-Sep-14	AK	Cold Bay	Cold Bay	4/4404	07/17/14	ILS OR LOC/DME RWY 15, Amdt 18
18-Sep-14	AL	Alexander City	Thomas C Russell Fld	4/4458	07/17/14	RNAV (GPS) RWY 36, Amdt 2
18-Sep-14	AK	Kenai	Kenai Muni	4/4494	07/17/14	VOR RWY 19R, Amdt 19
18-Sep-14	AK	Kenai	Kenai Muni	4/4496	07/17/14	RNAV (GPS) RWY 19R, Amdt 2
18-Sep-14	AK	Kenai	Kenai Muni	4/4497	07/17/14	ILS OR LOC RWY 19R, Amdt 4
18-Sep-14	CT	Willimantic	Windham	4/4544	07/22/14	RNAV (GPS) RWY 9, Amdt 1
18-Sep-14	CT	Willimantic	Windham	4/4547	07/22/14	RNAV (GPS) RWY 27, Amdt 1
18-Sep-14	MS	Bay St Louis	Stennis Intl	4/4555	07/22/14	RNAV (GPS) RWY 36, Amdt 2
18-Sep-14	FL	Punta Gorda	Punta Gorda	4/4618	07/17/14	VOR RWY 22, Amdt 4A
18-Sep-14	FL	Punta Gorda	Punta Gorda	4/4619	07/17/14	RNAV (GPS) RWY 33, Orig-A
18-Sep-14	AK	Dillingham	Dillingham	4/4748	07/29/14	VOR/DME RWY 19, Amdt 7B
18-Sep-14	AK	Dillingham	Dillingham	4/4749	07/29/14	RNAV (GPS) RWY 19, Amdt 2C
18-Sep-14	AK	Dillingham	Dillingham	4/4750	07/29/14	LOC/DME RWY 19, Amdt 6C
18-Sep-14	AK	Deering	Deering	4/4880	07/17/14	RNAV (GPS) RWY 29, Orig-B
18-Sep-14	AK	Deering	Deering	4/4881	07/17/14	RNAV (GPS) RWY 11, Orig-B
18-Sep-14	AK	Klawock	Klawock	4/4883	07/17/14	NDB/DME RWY 2, Amdt 1B
18-Sep-14	PA	Erie	Erie Intl/Tom Ridge Field	4/5229	07/25/14	RNAV (GPS) RWY 24, Amdt 1

18-Sep-14	AL	Troy	Troy Muni Airport At N. Kenneth Campbell Field	4/5239	07/29/14	RADAR-1, Amdt 10
18-Sep-14	VA	Richmond	Richmond Intl	4/5273	07/29/14	RNAV (RNP) Y RWY 16, Orig
18-Sep-14	VA	Richmond	Richmond Intl	4/5277	07/29/14	RNAV (GPS) Z RWY 20, Amdt 2
18-Sep-14	VA	Richmond	Richmond Intl	4/5279	07/29/14	RNAV (RNP) Y RWY 34, Orig
18-Sep-14	AK	Point Hope	Point Hope	4/5305	07/17/14	NDB RWY 19, Amdt 2A
18-Sep-14	AK	Point Hope	Point Hope	4/5306	07/17/14	NDB RWY 1, Amdt 2A
18-Sep-14	PA	Butler	Butler County/K W Scholter Field	4/5715	07/29/14	ILS OR LOC RWY 8, Amdt 8
18-Sep-14	PA	Butler	Butler County/K W Scholter Field	4/5716	07/29/14	RNAV (GPS) RWY 26, Amdt 1
18-Sep-14	PA	Butler	Butler County/K W Scholter Field	4/5717	07/29/14	RNAV (GPS) RWY 8, Amdt 1
18-Sep-14	MS	Madison	Bruce Campbell Field	4/5958	07/17/14	RNAV (GPS) RWY 35, Orig
18-Sep-14	MS	Bay St Louis	Stennis Intl	4/6058	07/22/14	RNAV (GPS) RWY 18, Amdt 1
18-Sep-14	MS	Bay St Louis	Stennis Intl	4/6059	07/22/14	ILS OR LOC RWY 18, Amdt 1
18-Sep-14	AK	Fairbanks	Fairbanks Intl	4/6700	07/17/14	RNAV (GPS) RWY 2R, Orig-A
18-Sep-14	NC	Jacksonville	Albert J Ellis	4/6772	07/17/14	RNAV (GPS) RWY 23, Orig
18-Sep-14	SC	Cheraw	Cheraw Muni/Lynch Bellinger Field	4/7888	07/22/14	VOR/DME RWY 8, Amdt 3A
18-Sep-14	SC	Cheraw	Cheraw Muni/Lynch Bellinger Field	4/7889	07/22/14	RNAV (GPS) RWY 26, Amdt 1A
18-Sep-14	SC	Cheraw	Cheraw Muni/Lynch Bellinger Field	4/7897	07/22/14	RNAV (GPS) RWY 8, Orig
18-Sep-14	CA	Paso Robles	Paso Robles Muni	4/8020	07/17/14	VOR/DME RWY 19, Amdt 4
18-Sep-14	CA	Hanford	Hanford Muni	4/8346	07/17/14	RNAV (GPS) A, Orig
18-Sep-14	AZ	Chandler	Stellar Airpark	4/8348	07/17/14	VOR OR GPS A, Amdt 1A
18-Sep-14	CA	Hanford	Hanford Muni	4/8349	07/17/14	VOR A, Amdt 9B
18-Sep-14	CA	Hanford	Hanford Muni	4/8350	07/17/14	RNAV (GPS) RWY 32, Amdt 1A
18-Sep-14	MS	Pascagoula	Trent Lott Intl	4/8818	07/17/14	ILS OR LOC RWY 17, Amdt 2
18-Sep-14	GA	Toccoa	Toccoa Rg Letourneau Field	4/8855	07/17/14	RNAV (GPS) RWY 20, Amdt 1A
18-Sep-14	MS	Pascagoula	Trent Lott Intl	4/8857	07/17/14	RNAV (GPS) RWY 17, Amdt 1
18-Sep-14	NC	Asheboro	Asheboro Rgnl	4/9088	07/17/14	RNAV (GPS) RWY 21, Orig
18-Sep-14	AL	Mobile	Mobile Rgnl	4/9089	07/17/14	RNAV (GPS) RWY 18, Amdt 1
18-Sep-14	ME	Rockland	Knox County Rgnl	4/9496	07/17/14	NDB RWY 31, Orig-B
18-Sep-14	VA	Richmond/Ashland	Hanover County Muni	4/9564	07/17/14	LOC RWY 16, Amdt 3B

18-Sep-14	VA	Richmond/ Ashland	Hanover County Muni	4/9568	07/17/14	VOR RWY 16, Amdt 2B
18-Sep-14	VA	Richmond/ Ashland	Hanover County Muni	4/9569	07/17/14	RNAV (GPS) RWY 16, Orig-B
18-Sep-14	AL	Prattville	Prattville - Grouby Field	4/9596	07/17/14	RNAV (GPS) RWY 27, Orig-A
18-Sep-14	NY	Seneca Falls	Finger Lakes Rgnl	4/9619	07/17/14	Takeoff Minimums and (Obstacle) DP, Orig
18-Sep-14	TN	Rogersville	Hawkins County	4/9621	07/17/14	Takeoff Minimums and (Obstacle) DP, Amdt 2

AIRAC Date: 18 SEPTEMBER 2014

FDC **4/0400** STS IAP CHARLES M. SCHULZ - SONOMA COUNTY, SANTA ROSA, CA. RNAV (GPS) RWY 2, ORIG... DELETE NOTE: PROCEDURE NA AT NIGHT. CHART NOTE: NIGHT LANDING RWY 20 NA. CHANGE THRE 129 TO TDZE 129. THIS IS RNAV (GPS) RWY 2, ORIG-A. 1407141755-PERM

FDC **4/0862** ECG IAP ELIZABETH CITY CG AIR STATION/RGNL, ELIZABETH CITY, NC. VOR/DME RWY 28, AMDT 1A... MSA FROM: ELIZABETH CITY (ECG) VOR/DME 6100. THIS IS VOR/DME RWY 28, AMDT 1B. 1407151558-PERM

FDC **4/0863** ECG IAP ELIZABETH CITY CG AIR STATION/RGNL, ELIZABETH CITY, NC. VOR/DME RWY 19, AMDT 10E... MSA FROM: ELIZABETH CITY (ECG) VOR/DME 6100. THIS IS VOR/DME RWY 19, AMDT 10F. 1407151558-PERM

FDC **4/0864** ECG IAP ELIZABETH CITY CG AIR STATION/RGNL, ELIZABETH CITY, NC. VOR/DME RWY 10, ORIG-D... MSA FROM: ELIZABETH CITY (ECG) VOR/DME 6100. THIS IS VOR/DME RWY 10, ORIG-E. 1407151558-PERM

FDC **4/0865** ECG IAP ELIZABETH CITY CG AIR STATION/RGNL, ELIZABETH CITY, NC. NDB RWY 10, ORIG-F... MSA FROM: WOODVILLE (LLW) NDB 070-160 6100, 160-070 2700. THIS IS NDB RWY 10, ORIG-G. 1407151558-PERM

FDC **4/0866** ECG IAP ELIZABETH CITY CG AIR STATION/RGNL, ELIZABETH CITY, NC. RNAV (GPS) RWY 1, ORIG-B... MSA FROM: RW01 6100. THIS IS RNAV (GPS) RWY 1, ORIG-C. 1407151558-PERM

FDC **4/0867** ECG IAP ELIZABETH CITY CG AIR STATION/RGNL, ELIZABETH CITY, NC. RNAV (GPS) RWY 19, ORIG-A... MSA FROM: RW19 6100. THIS IS RNAV (GPS) RWY 19, ORIG-B. 1407151558-PERM

FDC **4/0869** ECG IAP ELIZABETH CITY CG AIR STATION/RGNL, ELIZABETH CITY, NC. ILS OR LOC RWY 10, AMDT 1... MSA FROM: ELIZABETH CITY (ECG) VOR/DME 6100. THIS IS ILS OR LOC RWY 10, AMDT 1A. 1407151558-PERM

FDC **4/0870** ECG IAP ELIZABETH CITY CG AIR STATION/RGNL, ELIZABETH CITY, NC. RNAV (GPS) RWY 10, AMDT 1A... MSA FROM: RW10 6100. THIS IS RNAV (GPS) RWY 10, AMDT 1B. 1407151558-PERM

FDC **4/0921** TWT IAP STURGIS MUNI, STURGIS, KY. RNAV (GPS) RWY 19, AMDT 1... DELETE NOTE: PROCEDURE NA AT NIGHT. CHANGE HELICOPTER VISIBILITY REDUCTION NOTE TO READ: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NA. DELETE THRE 370. CHART TDZE 372. LNAV HAT 568 ALL CATS. THIS IS RNAV (GPS) RWY 19, AMDT 1A. 1407151632-PERM

FDC **4/0923** TWT IAP STURGIS MUNI, STURGIS, KY. RNAV (GPS) RWY 1, AMDT 1... LPV DA VIS 7/8 ALL CATS. DELETE NOTE: PROCEDURE NA AT NIGHT. CHANGE HELICOPTER VISIBILITY REDUCTION NOTE TO READ: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NA. CHANGE THRE 372 TO TDZE 372. THIS IS RNAV (GPS) RWY 1, AMDT 1A. 1407151632-PERM

FDC **4/1071** FLO IAP FLORENCE RGNL, FLORENCE, SC. VOR OR TACAN A, AMDT 6... CIRCLING CATS B/C MDA 660/HAA 514. CHART NOTE: NIGHT LANDING: RWY 1, 19, 27 NA. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NA. THIS IS VOR OR TACAN A, AMDT 6A. 1407151903-PERM

FDC **4/1072** FLO IAP FLORENCE RGNL, FLORENCE, SC. RNAV (GPS) RWY 27, ORIG... CIRCLING CATS B/C MDA 660/HAA 514. CHART NOTE: NIGHT LANDING: RWY 1, 19, 27 NA. CHANGE HELICOPTER NOTE TO READ: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NA. THIS IS RNAV (GPS) RWY 27, ORIG-A. 1407151903-PERM

FDC **4/1073** FLO IAP FLORENCE RGNL, FLORENCE, SC. RNAV (GPS) RWY 19, ORIG... CIRCLING CATS B/C MDA 660/HAA 514. CHART NOTE: NIGHT LANDING: RWY 1, 19, 27 NA. CHANGE HELICOPTER NOTE TO READ: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NA. THIS IS RNAV (GPS) RWY 19, ORIG-A. 1407151903-PERM

FDC **4/1080** FLO IAP FLORENCE RGNL, FLORENCE, SC. ILS OR LOC RWY 9, AMDT 12... CHART NOTE: NIGHT LANDING: RWY 1,19, 27 NA. THIS IS ILS OR LOC RWY 9, AMDT 12A. 1407151903-PERM

FDC **4/1086** FLO IAP FLORENCE RGNL, FLORENCE, SC. RNAV (GPS) RWY 1, ORIG... CIRCLING CATS B/C MDA 660/HAA 514. CHART NOTE: NIGHT LANDING: RWY 1, 19, 27 NA. CHANGE HELICOPTER NOTE TO READ: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NA. THIS IS RNAV (GPS) RWY 1, ORIG-A. 1407151903-PERM

FDC **4/1775** FLG IAP FLAGSTAFF PULLIAM, FLAGSTAFF, AZ. RNAV (GPS) Y RWY 21, ORIG... CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. CHART NOTE: NIGHT LANDING: RWY 21, OPERATIONAL VGSI REQUIRED, REMAIN ON OR ABOVE VGSI GLIDEPATH UNTIL THRESHOLD DELETE NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. THIS IS RNAV (GPS) Y RWY 21, ORIG-A. 1407171242-PERM

FDC **4/1778** FLG IAP FLAGSTAFF PULLIAM, FLAGSTAFF, AZ. VOR/DME RWY 21, ORIG-C... CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. CHART NOTE: NIGHT LANDING: RWY 21, OPERATIONAL VGSI REQUIRED, REMAIN ON OR ABOVE VGSI GLIDEPATH UNTIL THRESHOLD. THIS IS VOR/DME RWY 21, ORIG-D. 1407171246-PERM

FDC **4/1779** W03 IAP WILSON INDUSTRIAL AIR CENTER, WILSON, NC. RNAV (GPS) RWY 3, AMDT 1A... CHART NOTE: PROCEDURE NA AT NIGHT. DELETE NOTE: CIRCLING TO RWY 9, 15, 27, 33 NA AT NIGHT. CHANGE VISIBILITY REDUCTION BY HELICOPTERS NA NOTE TO READ: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. THIS IS RNAV (GPS) RWY 3, AMDT 1B. 1407171236-PERM

FDC **4/1853** SWF IAP STEWART INTL, NEWBURGH, NY. ILS OR LOC RWY 27, AMDT 1A... DELETE NOTE: CIRCLING TO RWY 16 NA AT NIGHT. THIS IS ILS OR LOC RWY 27, AMDT 1B. 1407171422-PERM

FDC **4/1855** SWF IAP STEWART INTL, NEWBURGH, NY. RNAV (GPS) RWY 27, AMDT 1A... DELETE NOTE: CIRCLING TO RWY 16 NA AT NIGHT. THIS IS RNAV (GPS) RWY 27, AMDT 1B. 1407171422-PERM

FDC **4/1856** SWF IAP STEWART INTL, NEWBURGH, NY. RNAV (GPS) RWY 9, AMDT 1A... DELETE NOTE: CIRCLING TO RWY 16 NA AT NIGHT. THIS IS RNAV (GPS) RWY 9, AMDT 1B. 1407171422-PERM

FDC **4/1891** SEA IAP SEATTLE-TACOMA INTL, SEATTLE, WA. RNAV (GPS) Y RWY 34R, AMDT 2B... CHANGE TERMINAL ROUTE TO READ: NEEAL (IF) TO KLEWS MINIMUM ALTITUDE 4000. THIS IS RNAV (GPS) Y RWY 34R, AMDT 2C.. 1407171441-PERM

FDC **4/2060** VGT IAP NORTH LAS VEGAS, LAS VEGAS, NV. GPS RWY 12R, ORIG-D... CHART ALTITUDE 2720 AT 1.5NM FROM COJGE. THIS IS GPS RWY 12R, ORIG-E. 1407171956-PERM

FDC **4/2277** CHA IAP LOVELL FIELD, CHATTANOOGA, TN. RNAV (GPS) RWY 15, ORIG... DELETE NOTE: PROCEDURE NA WHEN CONTROL TOWER CLOSED. THIS IS RNAV (GPS) RWY 15, ORIG-A. 1407181315-PERM

FDC **4/2278** CHA IAP LOVELL FIELD, CHATTANOOGA, TN. RNAV (GPS) RWY 33, ORIG... DELETE NOTE: PROCEDURE NA WHEN CONTROL TOWER CLOSED. THIS IS RNAV (GPS) RWY 33, ORIG-A. 1407181315-PERM

FDC **4/2302** SFB IAP ORLANDO SANFORD INTL, ORLANDO, FL. ILS OR LOC RWY 9L, AMDT 4... CHANGE TERMINAL ROUTE IPNEC (IAF) TO UGMAH DISTANCE FROM 5.95 TO 6.60. DELETE NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE EXECUTIVE ALTIMETER SETTING AND INCREASE ILS DA TO 298, ALL MDA 60 FEET, AND S-LOC 9L CAT C/D VISIBILITY 1/8 MILE. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE EXECUTIVE ALTIMETER SETTING: INCREASE S-ILS 9L DA 43 FT; INCREASE ALL MDA 60 FEET AND S-LOC 9L CAT C/D VISIBILITY 1/8 MILE AND CUNPA FIX MINIMUMS S-LOC 9L CAT C/D VISIBILITY 1/4 MILE. CHART TDZE 55 DELETE THRE 55. THIS IS ILS OR LOC RWY 9L, AMDT 4A. 1407181411-PERM

FDC **4/2351** W03 IAP WILSON INDUSTRIAL AIR CENTER, WILSON, NC. RNAV (GPS) RWY 21, ORIG-B... CHART NOTE: PROCEDURE NA AT NIGHT. DELETE NOTE CIRCLING NA AT NIGHT TO RWYS 9, 17, 15, 33 TO READ CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. ROCKY MOUNT-WILSON RGNL ALTIMETER SETTING MINIMUMS LNAV MDA 580/HAT 421 ALL CATS. THIS IS RNAV (GPS) RWY 21, ORIG-C. 1407181544-PERM

FDC **4/2354** W03 IAP WILSON INDUSTRIAL AIR CENTER, WILSON, NC. RNAV (GPS) RWY 33, ORIG-A... CHART NOTE: PROCEDURE NA AT NIGHT. DELETE NOTE: CIRCLING TO RWY 9, 15, 27, 33 NA AT NIGHT. DELETE NOTE: STRAIGHT-IN MINIMUMS NA AT NIGHT. THIS IS RNAV (GPS) RWY 33, ORIG-B. 1407181544-PERM

FDC **4/2357** CDW IAP ESSEX COUNTY, CALDWELL, NJ. RNAV (GPS) RWY 4, ORIG... CHANGE THRE 172 TO TDZE 172. THIS IS RNAV (GPS) RWY 4, ORIG-A. 1404141207-PERM

FDC **4/2362** ILG IAP NEW CASTLE, WILMINGTON, DE. RNAV (GPS) RWY 27, ORIG... LNAV/VNAV DA 530/HAT 458 ALL CATS. CHANGE VISIBILITY REDUCTION BY HELICOPTERS NA NOTE TO READ: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. CHANGE LOCAL ALTIMETER NOTE TO READ: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE PHILADELPHIA INTL ALTIMETER SETTING: INCREASE LPV DA TO 480, LNAV/VNAV DA TO 584, AND ALL MDA 60 FEET; INCREASE LNAV/VNAV ALL CATS AND LNAV CAT D VISIBILITY 1/4 MILE. THIS IS RNAV (GPS) RWY 27, ORIG-A. 1407181611-PERM

FDC **4/2397** ILG IAP NEW CASTLE, WILMINGTON, DE. RNAV (GPS) RWY 9, ORIG... LNAV/VNAV DA 521/HAT 441 ALL CATS, VISIBILITY 1 1/2 ALL CATS. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 MILE NOT AUTHORIZED. DELETE NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. THIS IS RNAV (GPS) RWY 9, ORIG-A. 1407181723-PERM

FDC **4/2401** OYM IAP ST MARYS MUNI, ST MARYS, PA. RNAV (GPS) RWY 28, AMDT 1A... CHART NOTE: PROCEDURE NA AT NIGHT. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. DELETE NOTE: VISIBILITY REDUCTION BY HELICOPTERS NOT AUTHORIZED. THIS IS RNAV (GPS) RWY 28, AMDT 1B. 1407181730-PERM

FDC **4/2402** OYM IAP ST MARYS MUNI, ST MARYS, PA. LOC/DME RWY 28, AMDT 4A... CHART NOTE: PROCEDURE NA AT NIGHT. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. DELETE NOTE: VISIBILITY REDUCTION BY HELICOPTERS NOT AUTHORIZED. THIS IS LOC/DME RWY 28, AMDT 4B. 1407181730-PERM

FDC **4/2403** OYM IAP ST MARYS MUNI, ST MARYS, PA. VOR RWY 28, AMDT 7... CHART NOTE: PROCEDURE NA AT NIGHT. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. THIS IS VOR RWY 28, AMDT 7A. 1407181730-PERM

FDC **4/2407** RDU IAP RALEIGH-DURHAM INTL, RALEIGH/DURHAM, NC. VOR RWY 32, AMDT 3C... CHANGE MISSED APPROACH TO READ: CLIMBING RIGHT TURN TO 2200 ON RDU R-351 TO DUHAM INT AND HOLD. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. THIS IS VOR RWY 32, AMDT 3D. 1407181727-PERM

FDC **4/2408** CQX IAP CHATHAM MUNI, CHATHAM, MA. RNAV (GPS) B, ORIG-A... CIRCLING HAA CATS A/B 536, CATS C/D 616. CHART NOTE: WHEN VGSI INOP, PROCEDURE NA AT NIGHT. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. CHART APT ELEV: 64. THIS IS RNAV (GPS) B, ORIG-B. 1407181738-PERM

FDC **4/2409** CQX IAP CHATHAM MUNI, CHATHAM, MA. NDB A, AMDT 1A... CIRCLING HAA CATS A/B 536, CATS C/D 616. CHART NOTE: WHEN VGSI INOP, PROCEDURE NA AT NIGHT. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. CHART APT ELEV: 64. THIS IS NDB A, AMDT 1B. 1407181738-PERM

FDC **4/2411** RDG IAP READING RGNL/CARL A SPAATZ FIELD, READING, PA. RNAV (GPS) RWY 18, ORIG... CIRCLING CATS A/B/C MDA 1020/HAA 676, CAT D MDA 1140/HAA 796, VIS CAT C 2. CHART NOTE: NIGHT LANDING: RWY 18, 31 NA. CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT. CHANGE ALTIMETER NOTE TO READ: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE HARRISBURG INTL ALTIMETER SETTING AND INCREASE ALL MDA 100 FEET, AND INCREASE LNAV CAT B VISIBILITY 1/4 MILE AND CATS C AND D VISIBILITY 1/2 MILE, AND INCREASE CIRCLING CATS B AND C VISIBILITY 1/4 MILE AND CAT D VISIBILITY 1/2 MILE. CHANGE VISIBILITY REDUCTION BY HELICOPTERS NA NOTE TO READ: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. THIS IS RNAV (GPS) RWY 18, ORIG-A. 1407181738-PERM

FDC **4/2412** RDG IAP READING RGNL/CARL A SPAATZ FIELD, READING, PA. RNAV (GPS) RWY 13, ORIG... LPV DA 926/HAT 582, VIS 2 ALL CATS. LNAV/VNAV DA 1170/HAT 826 ALL CATS. LNAV MDA 1040/HAT 696 ALL CATS. CIRCLING CATS A-C MDA 1040/HAA 696, CAT D MDA 1140/HAA 796, VIS CAT C 2. CHART NOTE: NIGHT LANDING: RWY 18, 31 NA. CHANGE ALTIMETER NOTE TO READ: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE HARRISBURG INTL ALTIMETER SETTING AND INCREASE ALL DA 93 FEET AND VISIBILITY 1/2 MILE ALL CATS AND INCREASE ALL MDA 100 FEET, AND INCREASE LNAV CAT B/C/D AND CIRCLING CAT B/C VISIBILITY 1/4 MILE, AND CIRCLING CAT D VISIBILITY 1/2 MILE. CHANGE VISIBILITY REDUCTION BY HELICOPTERS NA NOTE TO READ: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. CHART FAS OBST: 776 TREE 402421N/0760036W. THIS IS RNAV (GPS) RWY 13, ORIG-A. 1407181738-PERM

FDC **4/2415** CDW IAP ESSEX COUNTY, CALDWELL, NJ. RNAV (GPS) RWY 10, ORIG... LP HAT 408 ALL CATS. LNAV HAT 568 ALL CATS. CHART TDZE 172 DELETE THRE 169. THIS IS RNAV (GPS) RWY 10, ORIG-A. 1404141207-PERM

FDC **4/2441** CDW IAP ESSEX COUNTY, CALDWELL, NJ. LOC RWY 22, AMDT 3... CHANGE THRE 172 TO TDZE 172. THIS IS LOC RWY 22, AMDT 3A. 1404141207-PERM

FDC **4/2456** CDW IAP ESSEX COUNTY, CALDWELL, NJ. RNAV (GPS) RWY 22, AMDT 1... CHANGE THRE 172 TO TDZE 172. THIS IS RNAV (GPS) RWY 22, AMDT 1A. 1404141207-PERM

FDC **4/2513** HRJ IAP HARNETT RGNL JETPORT, ERWIN, NC. NDB RWY 23, AMDT 2A... S-23 CATS A/B/C MDA 780/HAT 578. VIS CAT C 1 5/8. CIRCLING CATS A/B/C MDA 780/HAA 578. VIS CAT C 1 5/8. CHANGE WHEN LOCAL ALTIMETER SETTING NOT RECEIVED. USE SMITHFIELD ALTIMETER SETTING AND INCREASE ALL MDA 60 FEET, AND S-23 CAT C VISIBILITY 1/4 MILE TO READ: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED. USE SMITHFIELD ALTIMETER SETTING AND INCREASE ALL MDA 60 FEET, AND INCREASE S-23 AND CIRCLING CAT C VISIBILITY 1/8 MILE. CHANGE VISIBILITY REDUCTION BY HELICOPTER NA NOTE TO READ: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. THIS IS NDB RWY 23, AMDT 2B. 1407181947-PERM

FDC **4/2699** GBR IAP WALTER J. KOLADZA, GREAT BARRINGTON, MA. RNAV (GPS) RWY 11, ORIG... CHANGE THRE 739 TO TDZE 739. CHANGE HELICOPTER VISIBILITY REDUCTION NOTE TO READ: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. THIS IS RNAV (GPS) RWY 11, ORIG-A. 1404021910-PERM

FDC **4/2742** TPF IAP PETER O KNIGHT, TAMPA, FL. RNAV (GPS) RWY 22, AMDT 2... CHANGE THRE 7 TO TDZE 7. THIS IS RNAV (GPS) RWY 22, AMDT 2A. 1404141458-PERM

FDC **4/2932** SWF IAP STEWART INTL, NEWBURGH, NY. RNAV (GPS) RWY 34, AMDT 1A... DELETE NOTE: CIRCLING TO RWY 16 NA AT NIGHT. DELETE NOTE: RWY 34 STRAIGHT-IN AND CIRCLING MINIMUMS NA AT NIGHT. CHANGE HELICOPTER NOTE TO READ: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. THIS IS RNAV (GPS) RWY 34, AMDT 1B. 1407211313-PERM

FDC **4/3460** PKB IAP MID-OHIO VALLEY RGNL, PARKERSBURG, WV. RNAV (GPS) RWY 10, ORIG... CHANGE THRE 831 TO TDZE 831. DELETE NOTE: WHEN VGSI INOP, CIRCLING RWY 28 NA AT NIGHT. DELETE NOTE: WHEN VGSI INOP, STRAIGHT-IN/CIRCLING RWY 10 PROCEDURE NA AT NIGHT. DELETE NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART VDP AT 2.19 MILES TO RWY 10. 34:1 IS CLEAR. CHART NOTE: VDP NA WITH ATHENS/ALBANY ALTIMETER SETTING. THIS IS RNAV (GPS) RWY 10, ORIG-A. 1407221242-PERM

FDC **4/3461** PKB IAP MID-OHIO VALLEY RGNL, PARKERSBURG, WV. RNAV (GPS) RWY 28, ORIG... LP HAT 461 ALL CATS. LNAV HAT 481 ALL CATS. CHART TDZE 839 DELETE THRE 838 DELETE NOTE: WHEN VGSI INOP, STRAIGHT-IN/CIRCLING RWY 28 PROCEDURE NA AT NIGHT. DELETE NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. CHART VDP AT 1.29 MILES TO RWY 28. CHART NOTE: VDP NA WITH ATHENS/ALBANY ALTIMETER SETTING. THIS IS RNAV (GPS) RWY 28, ORIG-A. 1407221242-PERM

FDC **4/3462** PKB IAP MID-OHIO VALLEY RGNL, PARKERSBURG, WV. RNAV (GPS) RWY 3, AMDT 2... CHART TDZE 831 DELETE THRE 803. LPV DA 1081 LNAV/VNAV DA 1336. LNAV HAT 429 ALL CATS, VISIBILITY CAT C/D RVR 4000. DELETE NOTE: WHEN VGSI INOP, CIRCLING RWY 10/28 NA AT NIGHT. CHANGE ALTIMETER SETTING NOTE TO READ: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ATHENS/ALBANY ALTIMETER SETTING AND INCREASE ALL DA AND ALL MDA 100 FEET. INCREASE LPV ALL CATS VISIBILITY TO RVR 4000, LNAV/VNAV ALL CATS VISIBILITY TO 1 5/8, LNAV CATS C/D VISIBILITY TO RVR 6000 AND CIRCLING CAT C VISIBILITY TO 1 1/2. THIS IS RNAV (GPS) RWY 3, AMDT 2A. 1407221242-PERM

FDC **4/3463** PKB IAP MID-OHIO VALLEY RGNL, PARKERSBURG, WV. RNAV (GPS) RWY 21, AMDT 2A... LPV VISIBILITY 3/4 ALL CATS. LNAV/VNAV VISIBILITY 7/8 ALL CATS. DELETE NOTE: WHEN VGSI INOP, CIRCLING RWY 10/28 NA AT NIGHT. DELETE NOTE: WHEN VGSI INOP, STRAIGHT-IN/CIRCLING RWY 21 PROCEDURE NA AT NIGHT. DELETE NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NA. DELETE NOTE: INOPERATIVE TABLE DOES NOT APPLY. CHART VDP AT 0.96 MILES TO RW21*, *LNAV ONLY. 34:1 IS CLEAR. CHART NOTE: VDP NA WITH ATHENS/ALBANY ALTIMETER SETTING. THIS IS RNAV (GPS) RWY 21, AMDT 2B. 1407221242-PERM

FDC **4/3560** 09J IAP JEKYLL ISLAND, JEKYLL ISLAND, GA. RNAV (GPS) RWY 36, AMDT 1... CHANGE THRE 11 TO TDZE 11. THIS IS RNAV (GPS) RWY 36, AMDT 1A. 1404151413-PERM

FDC **4/3564** 09J IAP JEKYLL ISLAND, JEKYLL ISLAND, GA. RNAV (GPS) RWY 18, ORIG... CHANGE THRE 11 TO TDZE 11. THIS IS RNAV (GPS) RWY 18, ORIG-A. 1404151413-PERM

FDC **4/3566** 2B7 IAP PITTSFIELD MUNI, PITTSFIELD, ME. RNAV (GPS) RWY 18, ORIG-B... CHANGE THRE 197 TO TDZE 197. THIS IS RNAV (GPS) RWY 18, ORIG-C. 1404151416-PERM

FDC **4/3995** CPR IAP CASPER/NATRONA COUNTY INTL, CASPER, WY. ILS OR LOC RWY 8, AMDT 25A... CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL AT OILLY ON V235 SOUTHWEST BOUND. THIS IS ILS OR LOC RWY 8, AMDT 25B. 1407231232-PERM

FDC **4/4127** OLM IAP OLYMPIA RGNL, OLYMPIA, WA. VOR A, AMDT 1A... CHANGE CHART R-6703C TO READ: CHART R-6703. THIS IS VOR A, AMDT 1B. 1406261805-PERM

FDC **4/4129** OLM IAP OLYMPIA RGNL, OLYMPIA, WA. ILS OR LOC RWY 17, AMDT 12... CHANGE CHART R-6703C TO READ: CHART R-6703 THIS IS ILS OR LOC RWY 17, AMDT 12A. 1406261805-PERM

FDC **4/4130** OLM IAP OLYMPIA RGNL, OLYMPIA, WA. VOR/DME RWY 35, AMDT 12A... CHANGE CHART R-6703C TO READ: R-6703 DELETE NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. THIS IS VOR/DME RWY 35, AMDT 12B. 1406261804-PERM

FDC **4/4161** PLU IAP PIERCE COUNTY - THUN FIELD, PUYALLUP, WA. GPS RWY 34, ORIG-B... CHANGE: CHART RESTRICTED AREAS R-6703A, B, C, D TO READ: CHART R-6703. THIS IS GPS RWY 34, ORIG-C. 1406261951-PERM

FDC **4/4167** 9G0 IAP BUFFALO AIRFIELD, BUFFALO, NY. RNAV (GPS) RWY 24, AMDT 1... CIRCLING CATS A/B HAA 569. AIRPORT ELEV 671. CHANGE THRE 671 TO TDZE 671. THIS IS RNAV (GPS) RWY 24, AMDT 1A. 1404161326-PERM

FDC **4/4168** 9G0 IAP BUFFALO AIRFIELD, BUFFALO, NY. RNAV (GPS) RWY 6, ORIG... LP CATS A/B HAT 509. LNAV CATS A/B HAT 509. CIRCLING CATS A/B HAA 569. AIRPORT ELEVATION 671. CHART TDZE 671 DELETE THRE 664. THIS IS RNAV (GPS) RWY 6, ORIG-A. 1404161326-PERM

FDC **4/4237** XFL IAP FLAGLER COUNTY, PALM COAST, FL. RNAV (GPS) RWY 24, ORIG-A... CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. THIS IS RNAV (GPS) RWY 24, ORIG-B. 1407231620-PERM

FDC **4/4239** XFL IAP FLAGLER COUNTY, PALM COAST, FL. RNAV (GPS) RWY 29, ORIG-A... CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. THIS IS RNAV (GPS) RWY 29, ORIG-B. 1407231620-PERM

FDC **4/4395** CDB IAP COLD BAY, COLD BAY, AK. RNAV (GPS) RWY 33, AMDT 2A... CHANGE THRE 94 TO TDZE 94. THIS IS RNAV (GPS) RWY 33, AMDT 2B. 1406271427-PERM

FDC **4/4398** CDB IAP COLD BAY, COLD BAY, AK. LOC/DME BC RWY 33, AMDT 10A... CHANGE THRE 94 TO TDZE 94. THIS IS LOC/DME BC RWY 33, AMDT 10B. 1406271427-PERM

FDC **4/4399** CDB IAP COLD BAY, COLD BAY, AK. RNAV (GPS) RWY 15, AMDT 2... LPV DA 275 LNAV/VNAV DA 325 LNAV HAT 425 ALL CATS CHART TDZE 75 DELETE THRE 73. THIS IS RNAV (GPS) RWY 15, AMDT 2A. 1406271427-PERM

FDC **4/4400** CDB IAP COLD BAY, COLD BAY, AK. VOR RWY 15, AMDT 15... S-15 HAT 445 ALL CATS. CHART TDZE 75 DELETE THRE 73. THIS IS VOR RWY 15, AMDT 15A. 1406271427-PERM

FDC **4/4404** CDB IAP COLD BAY, COLD BAY, AK. ILS OR LOC/DME RWY 15, AMDT 18... S-ILS 15 DA #275. S-LOC 15 HAT 425 ALL CATS. CHART TDZE 75 DELETE THRE 73. THIS IS ILS OR LOC/DME RWY 15, AMDT 18A. 1406271427-PERM

FDC **4/4458** ALX IAP THOMAS C RUSSELL FLD, ALEXANDER CITY, AL. RNAV (GPS) RWY 36, AMDT 2... LPV DA 898. LNAV/VNAV DA 1092. LNAV HAT 412 ALL CATS. CHANGE LOCAL ALTIMETER SETTING NOTE TO READ: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE AUBURN ALTIMETER SETTING: INCREASE ALL DA 87 FEET AND ALL LPV AND LNAV/VNAV VISIBILITIES 3/8 MILE; INCREASE ALL MDA 100 FEET AND INCREASE LNAV AND CIRCLING CAT C VISIBILITY 1/4 MILE. CHART TDZE 648 DELETE THRE 612. THIS IS RNAV (GPS) RWY 36, AMDT 2A. 1404161934-PERM

FDC **4/4494** ENA IAP KENAI MUNI, KENAI, AK. VOR RWY 19R, AMDT 19... S-19R HAT 421 ALL CATS. CHART TDZE 99 DELETE THRE 98. THIS IS VOR RWY 19R, AMDT 19A. 1406271727-PERM

FDC **4/4496** ENA IAP KENAI MUNI, KENAI, AK. RNAV (GPS) RWY 19R, AMDT 2... LPV DA 299. LNAV/VNAV DA 349. LNAV HAT 421 ALL CATS. CHART TDZE 99 DELETE THRE 98. THIS IS RNAV (GPS) RWY 19R, AMDT 2A. 1406271727-PERM

FDC **4/4497** ENA IAP KENAI MUNI, KENAI, AK. ILS OR LOC RWY 19R, AMDT 4... S-ILS 19R** DA 299. S-LOC 19R HAT 421 ALL CATS. CHART TDZE 99 DELETE THRE 98. CHANGE ALTIMETER SETTING NOTE TO READ: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE SOLDOTNA ALTIMETER SETTING AND INCREASE ALL DA 22 FEET, INCREASE ALL MDA 40 FEET, INCREASE S-LOC 19R CAT C/D VISIBILITY TO RVR 5000. THIS IS ILS OR LOC RWY 19R, AMDT 4A. 1406271727-PERM

FDC **4/4544** IJD IAP WINDHAM, WILLIMANTIC, CT. RNAV (GPS) RWY 9, AMDT 1... CHANGE THRE 239 TO TDZE 239. CHANGE HELICOPTER NOTE TO READ: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NA. THIS IS RNAV (GPS) RWY 9, AMDT 1A. 1404162150-PERM

FDC **4/4547** IJD IAP WINDHAM, WILLIMANTIC, CT. RNAV (GPS) RWY 27, AMDT 1... CHANGE THRE 239 TO TDZE 239. CHANGE HELICOPTER NOTE TO READ: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NA. THIS IS RNAV (GPS) RWY 27, AMDT 1A. 1404162150-PERM

FDC **4/4555** HSA IAP STENNIS INTL, BAY ST LOUIS, MS. RNAV (GPS) RWY 36, AMDT 2... LPV DA 285 ALL CATS. LNAV/VNAV DA 297 ALL CATS. LNAV HAT 365 ALL CATS. CHART TDZE 15 DELETE THRE 13. THIS IS RNAV (GPS) RWY 36, AMDT 2A. 1406271932-PERM

FDC **4/4618** PGD IAP PUNTA GORDA, PUNTA GORDA, FL. VOR RWY 22, AMDT 4A... CHANGE THRE 26 TO TDZE 26. DELETE NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4SM NA. THIS IS VOR RWY 22, AMDT 4B. 1404041814-PERM

FDC **4/4619** PGD IAP PUNTA GORDA, PUNTA GORDA, FL. RNAV (GPS) RWY 33, ORIG-A... CHANGE THRE 23 TO TDZE 23. DELETE NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4SM NA. THIS IS RNAV (GPS) RWY 33, ORIG-B. 1404041814-PERM

FDC **4/4748** DLG IAP DILLINGHAM, DILLINGHAM, AK. VOR/DME RWY 19, AMDT 7B... DELETE NOTE: RWY 19 STRAIGHT-IN AND CIRCLING MINIMUMS NA AT NIGHT. DELETE NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NA. THIS IS VOR/DME RWY 19, AMDT 7C. 1407241149-PERM

FDC **4/4749** DLG IAP DILLINGHAM, DILLINGHAM, AK. RNAV (GPS) RWY 19, AMDT 2C... DELETE NOTE: RWY 19 STRAIGHT-IN AND CIRCLING MINIMUMS NA AT NIGHT. DELETE NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NA. THIS IS RNAV (GPS) RWY 19, AMDT 2D. 1407241149-PERM

FDC **4/4750** DLG IAP DILLINGHAM, DILLINGHAM, AK. LOC/DME RWY 19, AMDT 6C... DELETE NOTE: RWY 19 STRAIGHT-IN AND CIRCLING MINIMUMS NA AT NIGHT. DELETE NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NA. THIS IS LOC/DME RWY 19, AMDT 6D. 1407241149-PERM

FDC **4/4880** DEE IAP DEERING, DEERING, AK. RNAV (GPS) RWY 29, ORIG-B... LNAV HAT 650 ALL CATS. CHART TDZE 30 DELETE THRE 20. THIS IS RNAV (GPS) RWY 29, ORIG-C. 1406301117-PERM

FDC **4/4881** DEE IAP DEERING, DEERING, AK. RNAV (GPS) RWY 11, ORIG-B... CHANGE THRE 30 TO TDZE 30. THIS IS RNAV (GPS) RWY 11, ORIG-C. 1406301117-PERM

FDC **4/4883** AKW IAP KLAWOCK, KLAWOCK, AK. NDB/DME RWY 2, AMDT 1B... S-2 HAT 1123 ALL CATS. CHART TDZE 57 DELETE THRE 39. THIS IS NDB/DME RWY 2, AMDT 1C. 1406301148-PERM

FDC **4/5229** ERI IAP ERIE INTL/TOM RIDGE FIELD, ERIE, PA. RNAV (GPS) RWY 24, AMDT 1... LPV DA 987. LNAV/VNAV DA 1073. LNAV HAT 430 ALL CATS. CHART TDZE 730 DELETE THRE 724. DELETE NOTE: CIRCLING TO RWY 02 AND 20 NA AT NIGHT. CHART NOTE: NIGHT LANDING RWY 02, 20 NA. THIS IS RNAV (GPS) RWY 24, AMDT 1A. 1407241531-PERM

FDC **4/5239** TOI IAP TROY MUNICIPAL AT N. KENNETH CAMPBELL FIELD, TROY, AL. RADAR-1, AMDT 10... ALTERNATE MINIMUMS STANDARD, EXCEPT CAT C 1000-2 3/4, CAT D 1000-3. THIS IS RADAR-1, AMDT 10A. 1407241536-PERM

FDC **4/5273** RIC IAP RICHMOND INTL, RICHMOND, VA. RNAV (RNP) Y RWY 16, ORIG... CHART ALTERNATE MINIMUMS: STANDARD. CHART DISTANCE FROM RWY 16 (MAP) TO HAGLI: 12.15 NM. THIS IS RNAV (RNP) Y RWY 16, ORIG-A. 1407241613-PERM

FDC **4/5277** RIC IAP RICHMOND INTL, RICHMOND, VA. RNAV (GPS) Z RWY 20, AMDT 2... CHANGE CHARTED AIRPORT FROM: CHART HANOVER CO AIRPORT (KOFR) TO: CHART HANOVER CO AIRPORT (KOPF). THIS IS RNAV (GPS) Z RWY 20, AMDT 2A. 1407241616-PERM

FDC **4/5279** RIC IAP RICHMOND INTL, RICHMOND, VA. RNAV (RNP) Y RWY 34, ORIG... CHART ALTERNATE MINIMUMS: STANDARD. CHART DISTANCE FROM RWY 34 (MAP) TO IFPIG: 14.65 NM. THIS IS RNAV (RNP) Y RWY 34, ORIG-A. 1407241614-PERM

FDC **4/5305** PHO IAP POINT HOPE, POINT HOPE, AK. NDB RWY 19, AMDT 2A... S-19 HAT 421 ALL CATS. CIRCLING HAA CAT A 421, CAT B, C 461, CAT D 561. CHART TDZE 19 DELETE TDZE 12. CHART APT ELEV 19 DELETE APT ELEV 12. THIS IS NDB RWY 19, AMDT 2B. 1407011134-PERM

FDC **4/5306** PHO IAP POINT HOPE, POINT HOPE, AK. NDB RWY 1, AMDT 2A... S-1 HAT 421 ALL CATS. CIRCLING HAA CAT A 421, CAT B, C 461, CAT D 561. CHART TDZE 19 DELETE TDZE 11. CHART APT ELEV 19 DELETE APT ELEV 12. THIS IS NDB RWY 1, AMDT 2B. 1407011134-PERM

FDC **4/5715** BTP IAP BUTLER COUNTY/K W SCHOLTER FIELD, BUTLER, PA. ILS OR LOC RWY 8, AMDT 8... S-ILS 8 DA 1501 ALL CATS. S-LOC 8 HAT 493 ALL CATS. CHART TDZE 1247 DELETE THRE 1228. THIS IS ILS OR LOC RWY 8, AMDT 8A. 1404182011-PERM

FDC **4/5716** BTP IAP BUTLER COUNTY/K W SCHOLTER FIELD, BUTLER, PA. RNAV (GPS) RWY 26, AMDT 1... LP HAT 532 ALL CATS. LNAV HAT 552 ALL CATS. CHART TDZE 1248 DELETE THRE 1243. THIS IS RNAV (GPS) RWY 26, AMDT 1A. 1404182011-PERM

FDC **4/5717** BTP IAP BUTLER COUNTY/K W SCHOLTER FIELD, BUTLER, PA. RNAV (GPS) RWY 8, AMDT 1... LPV DA 1501 ALL CATS. LNAV/VNAV DA 1604 ALL CATS. LNAV HAT 433 ALL CATS. CHART TDZE 1247 DELETE THRE 1228. THIS IS RNAV (GPS) RWY 8, AMDT 1A. 1404182011-PERM

FDC **4/5958** MBO IAP BRUCE CAMPBELL FIELD, MADISON, MS. RNAV (GPS) RWY 35, ORIG... LP HAT 396 ALL CATS. LNAV HAT 456 ALL CATS. CHART TDZE 324 DELETE THRE 314. THIS IS RNAV (GPS) RWY 35, ORIG-A. 1404211234-PERM

FDC **4/6058** HSA IAP STENNIS INTL, BAY ST LOUIS, MS. RNAV (GPS) RWY 18, AMDT 1... CHANGE THRE 23 TO TDZE 23. THIS IS RNAV (GPS) RWY 18, AMDT 1A. 1404211447-PERM

FDC **4/6059** HSA IAP STENNIS INTL, BAY ST LOUIS, MS. ILS OR LOC RWY 18, AMDT 1... CHANGE THRE 23 TO TDZE 23. THIS IS ILS OR LOC RWY 18, AMDT 1A. 1404211447-PERM

FDC **4/6700** FAI IAP FAIRBANKS INTL, FAIRBANKS, AK. RNAV (GPS) RWY 2R, ORIG-A... CIRCLING CAT A MDA 880/HAA 441. DELETE NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4SM NOT AUTHORIZED. CHANGE UNCOMPENSATED BARO-VNAV NOTE TO READ: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -25C (-13F) OR ABOVE 48C (118F). THIS IS RNAV (GPS) RWY 2R, ORIG-B. 1407031942-PERM

FDC **4/6772** OAJ IAP ALBERT J ELLIS, JACKSONVILLE, NC. RNAV (GPS) RWY 23, ORIG... LPV DA 293. LNAV/VNAV DA 497. LNAV HAT 367 ALL CATS. CHART TDZE 93 DELETE THRE 91. THIS IS RNAV (GPS) RWY 23, ORIG-A. 1404221802-PERM

FDC **4/7888** CQW IAP CHERAW MUNI/LYNCH BELLINGER FIELD, CHERAW, SC. VOR/DME RWY 8, AMDT 3A... CHANGE THRE 239 TO TDZE 239. THIS IS VOR/DME RWY 8, AMDT 3B. 1404241345-PERM

FDC **4/7889** CQW IAP CHERAW MUNI/LYNCH BELLINGER FIELD, CHERAW, SC. RNAV (GPS) RWY 26, AMDT 1A... LPV DA 459. LNAV/VNAV DA 578. LNAV HAT 351 ALL CATS. CHART TDZE 209 DELETE THRE 188. THIS IS RNAV (GPS) RWY 26, AMDT 1B. 1404241345-PERM

FDC **4/7897** CQW IAP CHERAW MUNI/LYNCH BELLINGER FIELD, CHERAW, SC. RNAV (GPS) RWY 8, ORIG... CHANGE THRE 239 TO TDZE 239. THIS IS RNAV (GPS) RWY 8, ORIG-A. 1404241345-PERM

FDC **4/8020** PRB IAP PASO ROBLES MUNI, PASO ROBLES, CA. VOR/DME RWY 19, AMDT 4... CHART NOTE: PROCEDURE NA AT NIGHT DELETE VDP S-19 MDA 1260/HAT 457 ALL CATS, VIS CAT C/D 1 3/8 CHART NOTE: HELICOPTER VISIBILITY BELOW 1 SM NOT AUTHORIZED. THIS IS VOR/DME RWY 19, AMDT 4A. 1406042020-PERM

FDC **4/8346** HJO IAP HANFORD MUNI, HANFORD, CA. RNAV (GPS) A, ORIG... DELETE NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. CHART NOTE: NIGHT LANDING RWY 14 NA. THIS IS RNAV (GPS) A, ORIG-A. 1407091815-PERM

FDC **4/8348** P19 IAP STELLAR AIRPARK, CHANDLER, AZ. VOR OR GPS A, AMDT 1A... CHANGE APT ELEV 1180 TO APT ELEV 1177. CIRCLING MDA 1640/HAA 463 ALL CATS. THIS IS VOR OR GPS A, AMDT 1B. 1407091816-PERM

FDC **4/8349** HJO IAP HANFORD MUNI, HANFORD, CA. VOR A, AMDT 9B... CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. CHART NOTE: NIGHT LANDING RWY 14 NA. THIS IS VOR A, AMDT 9C. 1407091815-PERM

FDC **4/8350** HJO IAP HANFORD MUNI, HANFORD, CA. RNAV (GPS) RWY 32, AMDT 1A... DELETE NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART NOTE NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. CHART NOTE: NIGHT LANDING: RWY 14 NA. THIS IS RNAV (GPS) RWY 32, AMDT 1B. 1407091815-PERM

FDC **4/8818** PQL IAP TRENT LOTT INTL, PASCAGOULA, MS. ILS OR LOC RWY 17, AMDT 2... S-ILS 17 DA 217 ALL CATS. S-LOC 17 HAT 883 ALL CATS. OTIME FIX MINIMUMS: S-LOC 17 HAT 343 ALL CATS. CHANGE LOCAL ALTIMETER SETTING NOTE TO READ: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE MOBILE, AL ALTIMETER SETTING AND INCREASE ALL DA 75 FEET; INCREASE ALL MDA 80 FEET AND S-LOC 17 VISIBILITY CAT B 1/4 MILE AND CATS C AND D 1/2 MILE, INCREASE CIRCLING VISIBILITY CATS B AND C 3/4 MILE, AND OTIME FIX MINIMUMS, INCREASE S-LOC 17 VISIBILITY CATS C AND D 1/8 MILE AND CIRCLING CATS C AND D 1/2 MILE. CHART TDZE 17 DELETE THRE 16. THIS IS ILS OR LOC RWY 17, AMDT 2A. 1404101243-PERM

FDC **4/8857** PQL IAP TRENT LOTT INTL, PASCAGOULA, MS. RNAV (GPS) RWY 17, AMDT 1... LPV DA 217 ALL CATS. LNAV/VNAV DA 282 ALL CATS. LNAV HAT 363 ALL CATS. CHANGE LOCAL ALTIMETER SETTING NOTE TO READ: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE MOBILE, AL ALTIMETER SETTING AND INCREASE ALL DA 75 FEET; INCREASE LNAV/VNAV VISIBILITY 1/8 MILE ALL CATS; INCREASE ALL MDA 80 FEET AND LNAV CAT C/D VISIBILITY 1/4 MILE AND CIRCLING CAT C/D VISIBILITY 1/2 MILE. CHART TDZE 17 DELETE THRE 16. THIS IS RNAV (GPS) RWY 17, AMDT 1A. 1404101243-PERM

FDC **4/8855** TOC IAP TOCCOA RG LETOURNEAU FIELD, TOCCOA, GA. RNAV (GPS) RWY 20, AMDT 1A... LPV DA 1242 CAT A/B. LNAV/VNAV DA 1407 CAT A/B. LNAV HAT 580 CAT A/B. CHANGE LOCAL ALTIMETER SETTING NOTE TO READ: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE GAINESVILLE ALTIMETER SETTING AND INCREASE ALL DA 115 FEET, INCREASE ALL MDA 120 FEET, INCREASE LPV AND LNAV/VNAV ALL CATS VISIBILITY 3/8 MILE AND CIRCLING ALL CATS VISIBILITY 1/4 MILE. CHART TDZE 980 DELETE THRE 968. THIS IS RNAV (GPS) RWY 20, AMDT 1B. 1404101242-PERM

FDC **4/9088** HBI IAP ASHEBORO RGNL, ASHEBORO, NC. RNAV (GPS) RWY 21, ORIG... DELETE NOTE: GPS OR RNP-0.3 REQUIRED. CHART NOTE: NIGHT LANDING: RWY 21, OPERATIONAL VGSI REQUIRED, REMAIN ON OR ABOVE VGSI GLIDEPATH UNTIL THRESHOLD. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. DELETE VDP. THIS IS RNAV (GPS) RWY 21, ORIG-A. 1407101907-PERM

FDC **4/9089** MOB IAP MOBILE RGNL, MOBILE, AL. RNAV (GPS) RWY 18, AMDT 1... CHART TDZE 217. DELETE THRE 216. LPV DA 508 ALL CATS. LNAV/VNAV DA 624/HAT 407, VIS 1 3/8 ALL CATS. LNAV MDA 640/HAT 423 ALL CATS, VIS CATS C/D 1 1/4. CHANGE HELICOPTER RESTRICTION NOTE TO READ: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. CHART VDP AT 1.25 MILES TO RW18. THIS IS RNAV (GPS) RWY 18, AMDT 1A. 1407101908-PERM

FDC **4/9496** RKD IAP KNOX COUNTY RGNL, ROCKLAND, ME. NDB RWY 31, ORIG-B... DELETE NOTE: STRAIGHT-IN MINIMUMS NA AT NIGHT. CHART NOTE: NIGHT LANDING: RWY 31 NA. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. THIS IS NDB RWY 31, ORIG-C. 1407111728-PERM

FDC **4/9564** OFP IAP HANOVER COUNTY MUNI, RICHMOND/ASHLAND, VA. LOC RWY 16, AMDT 3B... DELETE NOTE: PROCEDURE NA AT NIGHT. CHART NOTE: NIGHT LANDING RWY 34 NA. RWY 16, OPERATIONAL VGSI REQUIRED, REMAIN ON OR ABOVE VGSI GLIDEPATH UNTIL THRESHOLD. THIS IS LOC RWY 16, AMDT 3C. 1407111903-PERM

FDC **4/9568** OFP IAP HANOVER COUNTY MUNI, RICHMOND/ASHLAND, VA. VOR RWY 16, AMDT 2B... DELETE NOTE: PROCEDURE NA AT NIGHT. CHART NOTE: NIGHT LANDING RWY 34 NA. RWY 16, OPERATIONAL VGSI REQUIRED, REMAIN ON OR ABOVE VGSI GLIDEPATH UNTIL THRESHOLD. THIS IS VOR RWY 16, AMDT 2C. 1407111903-PERM

FDC **4/9569** OFP IAP HANOVER COUNTY MUNI, RICHMOND/ASHLAND, VA. RNAV (GPS) RWY 16, ORIG-B... DELETE NOTE: PROCEDURE NA AT NIGHT. CHART NOTE: NIGHT LANDING RWY 34 NA. RWY 16, OPERATIONAL VGSI REQUIRED, REMAIN ON OR ABOVE VGSI GLIDEPATH UNTIL THRESHOLD. THIS IS RNAV (GPS) RWY 16, ORIG-C. 1407111903-PERM

FDC **4/9596** 1A9 IAP PRATTVILLE - GROUBY FIELD, PRATTVILLE, AL. RNAV (GPS) RWY 27, ORIG-A... DELETE NOTE: PROCEDURE NA AT NIGHT. CHART NOTE: PROCEDURE NA AT NIGHT FOR CATS C/D AIRCRAFT. CHART NOTE: NIGHT LANDING RWY 9 NA. CHANGE HELICOPTER RESTRICTION NOTE TO READ: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. THIS IS RNAV (GPS) RWY 27, ORIG-B. 1407111911-PERM

FDC **4/9619** 0G7 ODP FINGER LAKES RGNL, SENECA FALLS, NY. TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES ORIG... TAKEOFF MINIMUMS: RWY 11, 29 NA - ENVIRONMENTAL. ALL OTHER DATA REMAINS AS PUBLISHED. THIS IS TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES , ORIG-A. 1407112006-PERM

FDC **4/9621** RVN ODP HAWKINS COUNTY, ROGERSVILLE, TN. TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES AMDT 2... TAKEOFF MINIMUMS: RWY 25, 500-3 WITH MINIMUM CLIMB OF 262 FT PER NM TO 2000 OR 1700-3 FOR CLIMB IN VISUAL CONDITIONS. ALL OTHER DATA REMAINS AS PUBLISHED. THIS IS TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES , AMDT 2A. 1407112007-PERM