

U.S. Department
of Transportation

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

**Federal Aviation
Administration**

Transmittal Letter 14-17

July 3, 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.**

[4910-13]

DEPARTMENT OF TRANSPORTATION

Federal Aviation Administration

14 CFR Part 97

[Docket No. [30968](#); Amdt. No. [3599](#)

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 [JULY 3, 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 21 AUGUST 2014

Brookfield, MO, North Central Missouri Rgnl, RNAV (GPS) RWY 18, Amdt 1, CANCELED
 Newcastle, WY, Mondell Field, RNAV (GPS) RWY 14, Amdt 1
 Newcastle, WY, Mondell Field, RNAV (GPS) RWY 32, Amdt 1
 Newcastle, WY, Mondell Field, Takeoff Minimums and Obstacle DP, Amdt 4
 Newcastle, WY, Mondell Field, VOR RWY 32, Amdt 4

Effective 18 SEPTEMBER 2014

Bay Minette, AL, Bay Minette Muni, RNAV (GPS) RWY 26, Orig-D
 Parker, AZ, Avi Suquilla, RNAV (GPS) RWY 1, Orig
 Parker, AZ, Avi Suquilla, Takeoff Minimums and Obstacle DP, Amdt 1
 Parker, AZ, Avi Suquilla, VOR/DME-A, Amdt 3
 Greeley, CO, Greeley-Weld County, ILS OR LOC/DME RWY 35, Amdt 3
 Greeley, CO, Greeley-Weld County, NDB RWY 34, Orig-A, CANCELED
 Greeley, CO, Greeley-Weld County, RNAV (GPS) RWY 10, Amdt 1
 Greeley, CO, Greeley-Weld County, RNAV (GPS) RWY 17, Amdt 1
 Greeley, CO, Greeley-Weld County, RNAV (GPS) RWY 35, Amdt 1
 Greeley, CO, Greeley-Weld County, Takeoff Minimums and Obstacle DP, Amdt 4
 Greeley, CO, Greeley-Weld County, VOR-A, Amdt 10
 Naples, FL, Naples Muni, RNAV (GPS)-A, Orig
 Naples, FL, Naples Muni, RNAV (GPS)-B, Orig
 Tampa, FL, Peter O Knight, RNAV (GPS) RWY 36, Amdt 2B
 Statesboro, GA, Statesboro-Bulloch County, ILS OR LOC RWY 32, Amdt 3
 Statesboro, GA, Statesboro-Bulloch County, RNAV (GPS) RWY 32, Amdt 3
 Grand Rapids, MI, Gerald R. Ford Intl, ILS OR LOC RWY 8R, Amdt 6A
 Grand Rapids, MI, Gerald R. Ford Intl, ILS OR LOC RWY 26L, Amdt 21A
 Grand Rapids, MI, Gerald R. Ford Intl, ILS OR LOC RWY 35, Amdt 1B
 Grand Rapids, MI, Gerald R. Ford Intl, VOR RWY 17, Orig-D
 Grand Rapids, MI, Gerald R. Ford Intl, VOR RWY 35, Amdt 1A
 Hastings, MI, Hastings, VOR RWY 12, Orig-E
 Holland, MI, West Michigan Rgnl, VOR-A, Amdt 10D
 Ludington, MI, Mason County, RNAV (GPS) RWY 8, Orig-B
 Sparta, MI, Paul C. Miller-Sparta, VOR-A, Amdt 4A
 Waxhaw, NC, Jaars-Townsend, RNAV (GPS) RWY 4, Orig-A
 Waxhaw, NC, Jaars-Townsend, RNAV (GPS) RWY 22, Orig-A
 New York, NY, John F Kennedy Intl, RNAV (GPS) RWY 22R, Amdt 1D

Arlington, TX, Arlington Muni, Takeoff Minimums and Obstacle DP, Amdt 3
Brenham, TX, Brenham Muni, VOR/DME RWY 16, Amdt 2, CANCELED
Dallas, TX, Dallas Executive, Takeoff Minimums and Obstacle DP, Amdt 7
Decatur, TX, Decatur Muni, Takeoff Minimums and Obstacle DP, Amdt 3
Denton, TX, Denton Muni, Takeoff Minimums and Obstacle DP, Amdt 3
Fort Worth, TX, Bourland Field, Takeoff Minimums and Obstacle DP, Amdt 2
Fort Worth, TX, Fort Worth Alliance, Takeoff Minimums and Obstacle DP, Amdt 1
Fort Worth, TX, Fort Worth Meacham Intl, Takeoff Minimums and Obstacle DP, Amdt 7
Grand Prairie, TX, Grand Prairie Muni, Takeoff Minimums and Obstacle DP, Amdt 5
Lancaster, TX, Lancaster Rgnl, Takeoff Minimums and Obstacle DP, Amdt 3
Mesquite, TX, Mesquite Metro, Takeoff Minimums and Obstacle DP, Amdt 4
Midlothian/Waxahachie, TX, Mid-Way Rgnl, Takeoff Minimums and Obstacle DP, Amdt 2
Rockwall, TX, Ralph M Hall/Rockwall Muni, Takeoff Minimums and Obstacle DP, Amdt 1
Bremerton, WA, Bremerton National, ILS OR LOC RWY 20, Amdt 17
Bremerton, WA, Bremerton National, NDB RWY 2, Amdt 2, CANCELED
Bremerton, WA, Bremerton National, Takeoff Minimums and Obstacle DP, Amdt 5
Madison, WI, Blackhawk Airfield, Takeoff Minimums and Obstacle DP, Amdt 2
Wheatland, WY, Phifer Airfield, RNAV (GPS)-A, Amdt 1

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 21 AUGUST 2014

CITY AND STATE BROOKFIELD, MO	ELEVATION: 843 TDZE: 843 AIRPORT NAME: NORTH CENTRAL MISSOURI RGNL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 18, AMDT 1, 12/17/2009	SUP: AMDT: ORIG-A DATED 06/05/2008
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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: RW14 CLIMB TO 9400 DIRECT WAMAK AND HOLD, CONTINUE CLIMB-IN-HOLD TO 9400. ADDITIONAL FLIGHT DATA: HOLD SE, RT, 316.03 INBOUND. CHART FAS OBST: 4496 TREE 435449N/1041937W FAS OBST: 4659 AAO 435700N/1042226W 4678 AAO 4735727N/1042245W DISTANCE TO THLD FROM 250 HAT: 0.66 NM. WAAS CHANNEL # 56525 REFERENCE PATH ID: W14A CHART CIRCLING ICON LTP HAE: 1256 M								
PULVE (IF/IAF)	ZIRAP (FB)	135.78 / 5.64	6500									
ZIRAP	WETVI (FB)	135.83 / 2.40	5800									
WETVI (FAF)	RW14 (MAP) (FO)	135.85 / 5.00										
RW14 (MAP)	4418 MSL	135.85										
4418 MSL	WAMAK (FO)		9400									
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. HOLD NW PULVE, RT, 135.78 INBOUND, 8000 FT. IN LIEU OF PT (IAF) 3. FAC: <u>135.85</u> FAF: <u>WETVI</u> DIST FAF TO MAP: <u>5.00</u> THLD: <u>5.00</u> 4. MIN. ALT: PULVE 8000, ZIRAP 6500, WETVI 5800 5. DIST TO THLD FROM OM: <u> </u> MM: <u> </u> IM: <u>150</u> HAT: <u> </u> 100 HAT: <u> </u> GS ANT: <u> </u> 6. MIN GS INCPT: <u>5800</u> GS ALT AT: <u>WETVI 5800</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: 8E 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	4418	1	250	4418	1	250	4418	1	250	4418	1	250
LNAV/VNAV DA	4846	2 1/2	678	4846	2 1/2	678	4846	2 1/2	678	4846	2 1/2	678
LNAV MDA	4920	1	752	4920	1 1/4	752	4920	2	752	4920	2	752
CIRCLING	4920	1	744	4920	1 1/4	744	4920	2 1/4	744	5000	2 3/4	824
NOTES: CHART NOTE: WHEN NEWCASTLE ALTIMETER SETTING NOT RECEIVED, PROCEDURE NA. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -23C (-9F) OR ABOVE 53C (128F). CHART NOTE: CIRCLING NA EAST OF RWY 14-32. (SEE FORM 8260-10)												
CITY AND STATE		ELEVATION: 4176 TDZE: 4168		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:			SUP: RNAV (GPS) RWY 13			
NEWCASTLE, WY		AIRPORT NAME: MONDELL FIELD		RNAV		RNAV (GPS) RWY 14, AMDT 1 21 AUGUST 2014			AMDT: ORIG-A			
									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 NOTE: DME/DME RNP-0.3 NA.

CHART NOTE: PROCEDURE NA FOR CAT C AND D AIRCRAFT AT NIGHT.

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

TAA

	FROM	TO	ALT
1.	046/30 CW 226/30 (NOPT)	046/7 CW 226/7	9000
	046/7 CW 226/7	PULVE (IF/IAF) (FB)	8000
2.	226/30 CW 046/30	226/7 CW 046/7	9400
	226/7 CW 046/7	PULVE (IF/IAF) (FO)	8000

QUALITY
6
CHECKED

CITY AND STATE
NEWCASTLE, WY

ELEVATION: 4176 TDZE: 4168
AIRPORT NAME:
MONDELL FIELD

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 14, AMDT 1
21 AUGUST 2014

SUP: RNAV (GPS) RWY 13
AMDT: ORIG-A
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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QUALITY
6
CHECKED

CITY AND STATE
NEWCASTLE, WY

ELEVATION: 4176 TDZE: 4168
AIRPORT NAME:
MONDELL FIELD

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 14, AMDT 1
21 AUGUST 2014

SUP: RNAV (GPS) RWY 13
AMDT: ORIG-A
DATED: 05/02/2013

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	KECS
RUNWAY	RW14
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W14A
LTP/FTP LATITUDE	435324.4480N
LTP/FTP LONGITUDE	1041913.5445W
LTP/FTP ELLIPSOIDAL HEIGHT	+12560
FPAP LATITUDE	435212.4420N
FPAP LONGITUDE	1041800.9745W
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	1136
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER

2588A121

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K1
LTP ORTHOMETRIC HEIGHT	+12703
FPAP ORTHOMETRIC HEIGHT	+12703

QUALITY
6
09/02/13

CITY AND STATE
NEWCASTLE, WY

ELEVATION: 4176 TDZE: 4168
AIRPORT NAME:
MONDELL FIELD

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 14, AMDT 1
21 AUGUST 2014

SUP: RNAV (GPS) RWY 13
AMDT: ORIG-A
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	KECSK1FR14	APULVE	010PULVEK1EA0EE	AR	HF		13580070	+	08000	18000		A	JS
SUSAP	KECSK1FR14	R	010PULVEK1EA0E	I	IF			+	08000	18000		A	JS
SUSAP	KECSK1FR14	R	011ZIRAPK1EA0E	S	051TF		13580056	+	06500			A	JS
SUSAP	KECSK1FR14	R	020WETVIK1EA1E	F	051TF		13580024	+	05800			A	JS
SUSAP	KECSK1FR14	R	020WETVIK1EA2WALPV			ALNAV/VNAV							JS
SUSAP	KECSK1FR14	R	030RW14 K1PGOGY	M	031TF		13590050		04208	-300		A	JS
SUSAP	KECSK1FR14	R	040	0	M	CA	1359	+	04418			A	JS
SUSAP	KECSK1FR14	R	050WAMAKK1EA0EY		DF			+	09400			A	JS
SUSAP	KECSK1FR14	R	060WAMAKK1EA0EE	R	HM		31600070	+	09400			A	JS

[illegible][illegible]

QUALITY
6
CHECKED

CITY AND STATE NEWCASTLE, WY	ELEVATION: 4176	TDZE: 4168	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME:			RNAV (GPS) RWY 14, AMDT 1	AMDT: ORIG-A
	MONDELL FIELD		RNAV	21 AUGUST 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
	PULVE	PULVE	010	IAF	HF	R	FO		135.8 (143.8T)	007.0	AA 08000	
		PULVE	010	FACF	IF		FB				AA 08000	
		ZIRAP	011	SDF	TF		FB	0.5	135.8 (143.8T)	005.6	AA 06500	
		WETVI	020	FAF	TF		FB	0.5	135.8 (143.8T)	002.4	AA 05800	
		RW14	030	MAP	TF		FO	0.3	135.9 (143.9T)	005.0	AT 04208	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		135.9 (143.9T)		AA 04418	
	WAMAK	050		DF		FO				AA 09400	
	WAMAK	060		HM	R	FO		316.0 (324.0T)	007.0	AA 09400	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	PULVE	N440356.29	W1042953.02	N4403.938	W10429.884
	WAMAK	N434214.79	W1040801.03	N4342.247	W10408.017
	WETVI	N435726.73	W1042318.18	N4357.446	W10423.303
	ZIRAP	N435923.18	W1042516.02	N4359.386	W10425.267
	RW14	N435324.45	W1041913.54	N4353.408	W10419.226

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW14	04168	40

QUALITY
6
CHECKED

CITY AND STATE NEWCASTLE, WY	ELEVATION: 4176	TDZE: 4168	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 14, AMDT 1 21 AUGUST 2014	SUP:
	AIRPORT NAME: MONDELL FIELD				AMDT: ORIG-A
					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: RW32 CLIMB TO 9500 DIRECT PULVE AND HOLD, CONTINUE CLIMB-IN-HOLD TO 9500. ADDITIONAL FLIGHT DATA: HOLD NW, RT, 135.78 INBOUND. FAS OBST: 4335 TREE 435209N/1041716W 4519 AAO 434935.44N/1041402.60W DISTANCE TO THLD FROM 209 HAT: 0.52 NM. CHART VDP AT 1.20 MILES TO RW32* *LNAV ONLY. WAAS CHANNEL # 61225 REFERENCE PATH ID: W32A CHART CIRCLING ICON. LTP HAE: 1258.6 M					
WAMAK (IF/IAF)		AKUPE (FB)		316.03 / 7.95		5800							
AKUPE (FAF)		AGARS/2.50 NM TO RW32 (FB)		315.96 / 2.47									
AGARS/2.50 NM TO RW32		RW32 (MAP) (FO)		315.96 / 2.50									
RW32 (MAP)		4385 MSL		315.96									
4385 MSL		PULVE (FO)				9500							
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. HOLD SE WAMAK, RT, 316.03 INBOUND, 8000 FT. IN LIEU OF PT (IAF) 3. FAC: 315.96 FAF: AKUPE DIST FAF TO MAP: 4.97 THLD: 4.97 4. MIN. ALT: WAMAK 8000, AKUPE 5800, AGARS/2.50 NM TO RW32 5000 * 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: 5800 GS ALT AT: AKUPE 5800 OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: 3.00 TCH: 42.5 34:1 IS CLEAR 8. MSA FROM: <u> </u>								MAG VAR: 8E 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	4385	1	209	4385	1	209	4385	1	209	4385	1	209	
LNAV/VNAV DA	4618	1 3/8	442	4618	1 3/8	442	4618	1 3/8	442	4618	1 3/8	442	
LNAV MDA	4600	1	424	4600	1	424	4600	1 1/8	424	4600	1 1/8	424	
CIRCLING	4700	1	524	4700	1	524	4720	1 1/2	544	5000	2 3/4	824	
NOTES: CHART NOTE: WHEN NEWCASTLE ALTIMETER SETTING NOT RECEIVED, PROCEDURE NA. @ CAT D 900-2 3/4 CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -23C (-9F) OR ABOVE 53C (128F). CHART NOTE: DME/DME RNP-0.3 NA. (SEE FORM 8260-10)													
CITY AND STATE		ELEVATION: 4176 TDZE: 4176		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:		SUP: RNAV (GPS) RWY 31		AMDT: ORIG-A		DATED 05/02/2013	
NEWCASTLE, WY		AIRPORT NAME: MONDELL FIELD				RNAV (GPS) RWY 32, AMDT 1 21 AUGUST 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: CIRCLING NA EAST OF RWY 14/32.

CHART NOTE: FOR INOPERATIVE ODAL, INCREASE LNAV/VNAV VISIBILITY ALL CATS AND LNAV CATS C/D 1/8 MILE.

CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO LPV ALL CATS AND LNAV CATS A/B.

TAA

	FROM	TO	ALT
1.	226/30 CW 046/30 (NOPT)	226/6 CW 046/6	9500
	226/6 CW 046/6	WAMAK (IF/IAF) (FB)	8000
2.	046/30 CW 226/30	046/6 CW 226/6	9500
	046/6 CW 226/6	WAMAK (IF/IAF) (FO)	8000

QUALITY
6
CHECKED

CITY AND STATE NEWCASTLE, WY	ELEVATION: 4176 TDZE: 4176 AIRPORT NAME: MONDELL FIELD	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 32, AMDT 1 21 AUGUST 2014	SUP: RNAV (GPS) RWY 31
				AMDT: ORIG-A
				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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QUALITY
6
CHECKED

CITY AND STATE NEWCASTLE, WY	ELEVATION: 4176	TDZE: 4176	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 32, AMDT 1 21 AUGUST 2014	SUP: RNAV (GPS) RWY 31
	AIRPORT NAME: MONDELL FIELD	AMDT: ORIG-A			
	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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QUALITY
6
CHECKED

CITY AND STATE NEWCASTLE, WY	ELEVATION: 4176 TDZE: 4176 AIRPORT NAME: MONDELL FIELD	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 32, AMDT 1 21 AUGUST 2014	SUP: RNAV (GPS) RWY 31
				AMDT: ORIG-A
				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 KECS
RUNWAY RW32
APPROACH PERFORMANCE DESIGNATOR 0
ROUTE INDICATOR
REFERENCE PATH DATA SELECTOR 0
REFERENCE PATH IDENTIFIER (APPROACH ID) W32A
LTP/FTP LATITUDE 435242.0790N
LTP/FTP LONGITUDE 1041830.8470W
LTP/FTP ELLIPSOIDAL HEIGHT +12586
FPAP LATITUDE 435354.0785N
FPAP LONGITUDE 1041943.4400W
THRESHOLD CROSSING HEIGHT (TCH) 00042.5
TCH UNITS SELECTOR (METERS OR FEET USED) F
GLIDEPATH ANGLE (GPA) 03.00
COURSE WIDTH AT THRESHOLD 106.75
LENGTH OFFSET 1128
HORIZONTAL ALERT LIMIT (HAL) 40.0
VERTICAL ALERT LIMIT (VAL) 35.0

CRC REMAINDER

D4761C59

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K1
LTP ORTHOMETRIC HEIGHT +12729
FPAP ORTHOMETRIC HEIGHT +12729

CITY AND STATE

NEWCASTLE, WY

ELEVATION: 4176

TDZE: 4176

AIRPORT NAME:

MONDELL FIELD

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 32, AMDT 1

21 AUGUST 2014

SUP: RNAV (GPS) RWY 31

AMDT: ORIG-A

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	KECSK1FR32	AWAMAK	010WAMAKK1EA0EE	AR	HF		31600070	+	08000	18000		A	JS
SUSAP	KECSK1FR32	R	010WAMAKK1EA0E	I	IF			+	08000	18000		A	JS
SUSAP	KECSK1FR32	R	020AKUPEK1EA1E	F	051TF		31600080	+	05800			A	JS
SUSAP	KECSK1FR32	R	020AKUPEK1EA2WALPV			ALNAV/VNAV						JS	
SUSAP	KECSK1FR32	R	021AGARSK1EA0E	S	031TF		31600025	V	0500005014		-300	A	JS
SUSAP	KECSK1FR32	R	030RW32	K1PG0GY	M	031TF	31600025		04219		-300	A	JS
SUSAP	KECSK1FR32	R	040		M	CA	3160	+	04385			A	JS
SUSAP	KECSK1FR32	R	050PULVEK1EA0EY		DF			+	09500			A	JS
SUSAP	KECSK1FR32	R	060PULVEK1EA0EE	R	HM		13580070	+	09500			A	JS

[illegible][illegible]

CITY AND STATE
NEWCASTLE, WY

ELEVATION: 4176	TDZE: 4176
AIRPORT NAME: MONDELL FIELD	

FACILITY
IDENTIFIER:
| RNAV

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

SUP:	RNAV (GPS) RWY 31
AMDT:	ORIG-A
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
	WAMAK	WAMAK	010	IAF	HF	R	FO		316.0 (324.0T)	007.0	AA 08000	
		WAMAK	010	FACF	IF		FB				AA 08000	
		AKUPE	020	FAF	TF		FB	0.5	316.0 (324.0T)	008.0	AA 05800	
		AGARS	021	SDF	TF		FB	0.3	316.0 (324.0T)	002.5	AA 05000	GS 05014
		RW32	030	MAP	TF		FO	0.3	316.0 (324.0T)	002.5	AT 04219	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		316.0 (324.0T)		AA 04385	
	PULVE	050		DF		FO				AA 09500	
	PULVE	060		HM	R	FO		135.8 (143.8T)	007.0	AA 09500	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	AGARS	N435040.84	W1041628.75	N4350.681	W10416.479
	AKUPE	N434840.91	W1041428.14	N4348.682	W10414.469
	PULVE	N440356.29	W1042953.02	N4403.938	W10429.884
	WAMAK	N434214.79	W1040801.03	N4342.247	W10408.017
	RW32	N435242.08	W1041830.85	N4352.701	W10418.514

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW32	04176	43

4

CITY AND STATE NEWCASTLE, WY	ELEVATION: 4176	TDZE: 4176	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP: RNAV (GPS) RWY 31
	AIRPORT NAME: MONDELL FIELD		RNAV	RNAV (GPS) RWY 32, AMDT 1	AMDT: ORIG-A
				21 AUGUST 2014	DATED: 05/02/2013

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.
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City, State	Airport	Effective Date	Amdt. No.
NEWCASTLE, WY	MONDELL FIELD	21 AUGUST 2014	4

TAKEOFF MINIMUMS:

RWY 14: STANDARD.
RWY 32: 200-11/2 OR STANDARD WITH MINIMUM CLIMB OF 265 FT PER NM TO 4500.

TEXTUAL DEPARTURE PROCEDURES:

RWY 14: CLIMB HEADING 135.90 AND ECS VOR R-143, UNTIL REACHING 5500, THENCE...
RWY 32: CLIMBING LEFT TURN DIRECT ECS VOR, THEN ON ECS VOR R-143 TO 5500, THENCE...

...CLIMBING RIGHT TURN TO 7500 DIRECT ECS VOR, CONTINUE CLIMB-IN-HOLDING TO 7500 FT. (SE, LT TURN, 323 INBOUND). BEFORE PROCEEDING ON COURSE.

VISUAL CLIMB OVER AIRPORT:

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 14, OBSTRUCTION LIGHT ON ANTENNA 1442 FT FROM DER, 880 FT LEFT OF CENTERLINE, 93 FT AGL/4244 FT MSL.
TERRAIN 2826 FT FROM DER, 1242 FT RIGHT OF CENTERLINE 4292 FT MSL.
NOTE: RWY 32, GROUND BEGINNING 59 FT FROM DER, 393 FT RIGHT OF CENTERLINE UP TO 4182 FT MSL.
RAILROAD 212 FT FROM DER, 284 FT RIGHT OF CENTERLINE UP TO 23 FT AGL/4205 FT MSL.
FENCE 247 FT FROM DER, 314 FT RIGHT OF CENTERLINE 12 FT AGL 4175 MSL.
MULTIPLE POLES BEGINNING 294 FT FROM DER 236 FT RIGHT OF CENTERLINE UP TO 26 FT AGL/4203 FT MSL.
T-L TOWER 294 FT FROM DER, 436 FT RIGHT OF CENTERLINE 26 FT AGL/4203 FT MSL.
ROAD BEGINNING 426 FROM DER, 238 FT RIGHT OF COURSE UP TO 15 FT AGL/ 4194 FT MSL.
GRD BEGINNING 5148 FROM DER, 1085 FT RIGHT OF CENTERLINE 4366 FT MSL.
BUSH 6286 FROM DER, 1440 FT RIGHT OF CENTERLINE 11 FT AGL/4363 FT MSL.
ROAD BEGINNING 426 FT FROM DER, 238 FT RIGHT OF CENTERLINE, UP TO 15 AGL/4195 MSL.

CONTROLLING OBSTACLES:

RWY 32: 4346 FT MSL GROUND 435417.27N/1041935.65W

OBSTACLES MANDATING ODP ROUTE DEVELOPMENT: RWY 14 - 6096 FOOT MSL AAO 435120.00N/1040330.00W RWY 32 6432 FOOT MSL AAO 440230.00N/1041050.00W.

2

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.
NEWCASTLE, WY	MONDELL FIELD	21 AUGUST 2014	4

REMARKS:

50 FT VEGETATION USED PER FPT.

FLIGHT INSPECTED BY:

James Meek *[Signature]* 5/23/14

REQUIRED EFFECTIVE DATE:

ROUTINE

DEVELOPED BY:

AJ FIELDS *[Signature]* AJV-354 04/22/2014

APPROVED BY:

JILL OLSON *[Signature]* AJV-354

6-24-14

COORDINATED WITH:

AOPA, NBAA, ZDV, CPR FSS, ARPT MANAGER

CHANGES:

1. REWORDED TEXTUAL INSTRUCTIONS FOR CLARITY.
2. REMOVED CLIMB GRADIENT FOR RWY 14.
3. LOWERED RWY 32 CLIMB GRADIENT FROM 300 FT/NM TO 4600 TO 265 FEET PER NM TO 4500.
4. ADDED CLIMB-IN-HOLDING TO 7500 AT ECS VOR.
5. RENUMBERED RUNWAYS FROM 13/31 TO 14/32.
6. TURF RUNWAYS 17/35 AND 5/23 REMOVED FROM PROCEDURE/AIRNAV PER APT MANAGER.

REASONS:

1. OLD INSTRUCTIONS WERE UNCLEAR FOR DEPARTING RWY 14.
2. UPDATED SURVEY DATA SINCE LAST AMENDMENT NO PENETRATING OBSTACLES FOUND.
3. UPDATED SURVEY DATA SINCE LAST AMENDMENT NO OBSTACLES FOUND THAT REQUIRE A HIGHER CLIMB GRADIENT.
4. ENSURE OBSTACLE CLEARANCE ON ALL 3 AIRWAYS AFTER LEAVING ECS VOR.
5. AIRPORT MAGVAR UPDATED.
6. DATA UPDATED.

6/20/2014 THIS IS A CORRECTED COPY OF THE FORM DATED 4/22/2014

1. CORRECTED STATE WYOMING TO WY (TL)

QUALITY
2
CHECKED

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: ECS VOR						
KARAS INT		ECS VOR		168.37 / 23.51				8600		CLIMB TO 6700 ON ECS VOR R-323 THEN CLIMBING LEFT TURN TO 7500 DIRECT ECS VOR AND HOLD, CONTINUE CLIMB-IN HOLD TO 7500.						
WILDA INT		ECS VOR		323.00 / 13.70				7500								
										ADDITIONAL FLIGHT DATA: HOLD SE, LT, 323.00 INBOUND. CHART FAS OBST: 4653 TREE 435244N/1041638W CHART 6800 PRIOR TO ECS VOR IN PROFILE CHART CIRCLING ICON FAC CROSSES RWY C/L EXTENDED 3610 FROM THLD.						
1. PT <u> R </u> SIDE OF COURSE <u> 143.00 </u> OUTBOUND <u> 6400 </u> FT WITHIN <u> 10 </u> MILES OF <u> ECS VOR </u> (IAF)														MAG VAR: 11E EPOCH YEAR: 1995		
2. _____																
3. FAC <u> 323.00 </u> FAF _____ DIST FAF TO MAP _____ THLD _____																
4. MIN. ALT _____																
8. MSA FROM: ECS VOR 180-270 6500, 270-360 7700, 360-180 8500																
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-32	4980	3/4	804	4980	1	804	4980	2 1/2	804	4980	2 1/2	804				
CIRCLING	4980	1	804	4980	1 1/4	804	4980	2 1/2	804	5000	2 3/4	824				
NOTES: CHART NOTE: WHEN NEWCASTLE ALTIMETER SETTING NOT RECEIVED, PROCEDURE NA. CHART NOTE: CIRCLING EAST NE OF RWY 14-32.																
CITY AND STATE NEWCASTLE, WY				ELEVATION: 4176 TDZE: 4176 AIRPORT NAME: MONDELL FIELD		FACILITY IDENTIFIER: ECS		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: VOR RWY 32, AMDT 4 21 AUGUST 2014				SUP VOR OR GPS RWY 31				
												AMDT 3A				
												DATE 02/09/2012				



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.								
US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION												
TERMINAL ROUTES				MISSED APPROACH								
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LNAV: RW26 CLIMB TO 2000 DIRECT NINCI AND ON TRACK 293.67 TO AXISIS AND HOLD. ADDITIONAL FLIGHT DATA: HOLD NE, RT, 228.00 INBOUND. CHART FAS OBST: 519 TWR 305212N/0874608W CHART A-292. LAVKE TO RW26: 3.05/40. CHART CIRCLING ICON CHART MOBILE REGIONAL ASOS								
AXSIS	RERME (FO)	098.36 / 25.43	3000									
STETS	RERME (FO)	131.17 / 10.33	3000									
BRATT	RERME (FO)	033.55 / 8.16	3000									
PENSI (IAF)	RERME (NOPT) (FB)	288.38 / 17.12	3000									
RERME (IF/IAF)	LAVKE (FB)	266.42 / 6.20	2000									
LAVKE (FAF)	RW26 (MAP) (FO)	266.36 / 5.29										
RW26 (MAP)	648 MSL	266.36										
(SEE FORM 8260-10)												
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF)												
2. HOLD E RERME, RT, 266.42 INBOUND, 3000 FT. IN LIEU OF PT (IAF)												
3. FAC: 266.36 FAF: LAVKE DIST FAF TO MAP: 5.29 THLD: 5.29												
4. MIN. ALT: RERME 3000, LAVKE 2000												
5. DIST TO THLD FROM OM: <u> </u> MM: <u> </u> IM: <u> </u> 150 HAT: <u> </u> 100 HAT: <u> </u> GS ANT: <u> </u>												
6. MIN GS INCPT: <u> </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: RW26 3100				MAG VAR: 0E EPOCH YEAR: 2000								
MINIMUMS												
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE: N A X								
CATEGORY =====>	A		B		C		D		E			
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LNAV MDA	880	1	632	880	1	632	880	1 3/4	632	NA		
CIRCLING	880	1	632	880	1	632	940	2	692	NA		
NOTES: CHART NOTE: USE MOBILE RGNL ALTIMETER SETTING; WHEN NOT RECEIVED, USE MOBILE DOWNTOWN ALTIMETER SETTING AND INCREASE ALL MDA 20 FEET AND LNAV CAT C VISIBILITY TO 1 7/8 MILES. CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. (SEE FORM 8260-10)												
CITY AND STATE BAY MINETTE, AL		ELEVATION: 248 TDZE: 248 AIRPORT NAME: BAY MINETTE MUNI		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 26, ORIG-D 18 SEPTEMBER 2014			SUP: AMDT: ORIG-C DATED 10/20/2011			

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, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
648 MSL	NINCI (FB)		
NINCI	AXSIS (FO)	293.67 / 11.67	2000

NOTES, (CONT.):

CHART NOTE: NIGHT LANDING: RWY 8, 26 NA.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT AXSIS ON V20 SOUTHWEST BOUND.

CITY AND STATE
BAY MINETTE, AL

ELEVATION: 248 TDZE: 248
AIRPORT NAME:
BAY MINETTE MUNI

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMD'T NO./EFFECTIVE DATE:
RNAV (GPS) RWY 26, ORIG-D
18 SEPTEMBER 2014

SUP:
AMD'T: ORIG-C
DATED: 10/20/2011

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

[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP 1R8 K7FR26	AAXSIS	010AXSISK7EA0E	IF							18000		B JS	
SUSAP 1R8 K7FR26	AAXSIS	020RERMEK7EA0EY	020TF			09840254		+ 03000				B JS	
SUSAP 1R8 K7FR26	AAXSIS	030RERMEK7EA0EE	AR HF			26640040		+ 03000				B JS	
SUSAP 1R8 K7FR26	ABRATT	010BRATTK7EA0E	IF							18000		B JS	
SUSAP 1R8 K7FR26	ABRATT	020RERMEK7EA0EY	020TF			03360082		+ 03000				B JS	
SUSAP 1R8 K7FR26	ABRATT	030RERMEK7EA0EE	AR HF			26640040		+ 03000				B JS	
SUSAP 1R8 K7FR26	APENSI	010PENSIK7EA0E	A IF							18000		B JS	
SUSAP 1R8 K7FR26	APENSI	020RERMEK7EA0EE	B 010TF			28840171		+ 03000				B JS	
SUSAP 1R8 K7FR26	ASTETS	010STETSK7EA0E	IF							18000		B JS	
SUSAP 1R8 K7FR26	ASTETS	020RERMEK7EA0EY	020TF			13120103		+ 03000				B JS	
SUSAP 1R8 K7FR26	ASTETS	030RERMEK7EA0EE	AR HF			26640040		+ 03000				B JS	
SUSAP 1R8 K7FR26	R	010RERMEK7EA0E	I IF					+ 03000		18000		B JS	
SUSAP 1R8 K7FR26	R	020LAVKEK7EA1E	F 051TF			26640062		+ 02000			RW26	K7PGB JS	
SUSAP 1R8 K7FR26	R	020LAVKEK7EA2WN		N	ALNAV							JS	
SUSAP 1R8 K7FR26	R	030RW26 K7PG0GY	M 031TF			26640053		00288		-305		B JS	
SUSAP 1R8 K7FR26	R	040	0 M CA			2664		+ 00648				B JS	
SUSAP 1R8 K7FR26	R	050NINCIK7EA0E	DF									B JS	
SUSAP 1R8 K7FR26	R	060AXSISK7EA0EY	010TF			2937		+ 02000				B JS	
SUSAP 1R8 K7FR26	R	070AXSISK7EA0EE	R HM			22800040		+ 02000				B JS	

[illegible]

CITY AND STATE BAY MINETTE, AL	ELEVATION: 248	TDZE: 248	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 26, ORIG-D 18 SEPTEMBER 2014	SUP:
	AIRPORT NAME: BAY MINETTE MUNI	FACILITY IDENTIFIER: RNAV		AMDT: ORIG-C
				DATED: 10/20/2011

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[illegible]

CITY AND STATE BAY MINETTE, AL	ELEVATION: 248 AIRPORT NAME: BAY MINETTE MUNI	TDZE: 248 RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 26, ORIG-D 18 SEPTEMBER 2014	SUP:
				AMDT: ORIG-C
				DATED: 10/20/2011

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

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ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	AXSIS	AXSIS	010		IF		FB					
	AXSIS	REMER	020		TF		FO	2.0	098.4 (098.4T)	025.4	AA 03000	
	AXSIS	REMER	030	IAF	HF	R	FO		266.4 (266.4T)	004.0	AA 03000	
	BRATT	BRATT	010		IF		FB					
	BRATT	REMER	020		TF		FO	2.0	033.6 (033.6T)	008.2	AA 03000	
	BRATT	REMER	030	IAF	HF	R	FO		266.4 (266.4T)	004.0	AA 03000	
	PENSI	PENSI	010	IAF	IF		FB					
	PENSI	REMER	020		TF		FB	1.0	288.4 (288.4T)	017.1	AA 03000	
	STETS	STETS	010		IF		FB					
	STETS	REMER	020		TF		FO	2.0	131.2 (131.2T)	010.3	AA 03000	
	STETS	REMER	030	IAF	HF	R	FO		266.4 (266.4T)	004.0	AA 03000	
		REMER	010	FACF	IF		FB				AA 03000	
		LAVKE	020	FAF	TF		FB	0.5	266.4 (266.4T)	006.2	AA 02000	
		RW26	030	MAP	TF		FO	0.3	266.4 (266.4T)	005.3	AT 00288	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		266.4 (266.4T)		AA 00648	
	NINCI	050		DF		FB					
	AXSIS	060		TF		FO	1.0	293.7 (293.7T)		AA 02000	
	AXSIS	070		HM	R	FO		228.0 (228.0T)	004.0	AA 02000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	AXSIS	N305644.67	W0880432.68	N3056.745	W08804.545
	BRATT	N304609.88	W0874033.26	N3046.165	W08740.554
	LAVKE	N305235.52	W0874229.73	N3052.592	W08742.496
	NINCI	N305203.52	W0875206.80	N3052.059	W08752.113
	PENSI	N304735.68	W0871625.52	N3047.595	W08716.425
	REMER	N305258.96	W0873518.60	N3052.983	W08735.310
	STETS	N305948.22	W0874420.79	N3059.804	W08744.347
	RW26	N305215.17	W0874838.09	N3052.253	W08748.635

RUNWAY DATA	THRESHOLD	
	ELEVATION	TCH
RWY		
RW26	00248	40

CITY AND STATE
BAY MINETTE, AL

ELEVATION: **248** TDZE: **248**
 AIRPORT NAME:
BAY MINETTE MUNI

FACILITY
 IDENTIFIER:
RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
RNAV (GPS) RWY 26, ORIG-D
18 SEPTEMBER 2014

SUP:
 AMDT: **ORIG-C**
 DATED: **10/20/2011**

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: RW01 CLIMB TO 1100 THEN CLIMBING LEFT TURN TO 5500 DIRECT PKE VORTAC AND HOLD, CONTINUE CLIMB-IN-HOLD TO 5500. ADDITIONAL FLIGHT DATA: HOLD SW, LT, 054.00 INBOUND. FAS OBST: 589 AAO 340330N/1141824W 759 AAO 340233N/1141825W. DISTANCE TO THLD FROM 299 HAT: 0.81 NM. CHART VDP AT 1.65 MILES TO RW01* *LNAV ONLY. WAAS CHANNEL # 72936 REFERENCE PATH ID: W01A CHART CIRCLING ICON. LTP HAE: 106.9 M											
PKE VORTAC (IAF)	COAPT (FB)	102.26 / 7.06	5500												
COAPT	BAKSE (FB)	102.34 / 10.14	3700												
ROGBE (IAF)	DINBE (FB)	056.00 / 12.77	5000												
DINBE	BAKSE (FB)	056.14 / 5.58	3700												
BAKSE (IF)	APHIS (FB)	012.84 / 5.23	2400												
APHIS (FAF)	RW01 (MAP) (FO)	012.20 / 5.99													
RW01 (MAP)	1100 MSL	012.20													
1100 MSL	PKE VORTAC (FO)		5500												
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 BAKSE 3. FAC: <u>012.20</u> FAF: <u>APHIS</u> DIST FAF TO MAP: <u>5.99</u> THLD: <u>5.99</u> 4. MIN. ALT: <u>BAKSE 3700, APHIS 2400</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>2400</u> GS ALT AT: <u>APHIS 2400</u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u>3.00</u> TCH: <u>40.1</u> 34:1 IS CLEAR 8. MSA FROM: <u>RW01 6200</u>				MAG VAR: 14E EPOCH YEAR: 1980											
MINIMUMS															
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE: N A ☐ X ☐											
CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	755	1	299	755	1	299	755	1	299		NA				
LNAV/VNAV DA	770	1	314	770	1	314	770	1	314		NA				
LNAV MDA	1020	1	564	1020	1	564	1020	1 5/8	564		NA				
CIRCLING	1060	1	602	1060	1	602	1620	3	1162		NA				
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 54C (130F). CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: BARO-VNAV AND VDP NA WHEN USING BLYTHE ALTIMETER SETTING. (SEE FORM 8260-10)															
CITY AND STATE		ELEVATION: 458 TDZE: 456		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:					
PARKER, AZ		AIRPORT NAME:		RNAV		RNAV (GPS) RWY 1, ORIG 18 SEPTEMBER 2014				AMDT: NONE					
		AVI SUQUILLA								DATED					

**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 BLYTHE ALTIMETER SETTING: INCREASE ALL DA 98 FT AND ALL MDA 100 FT; INCREASE LPV ALL CATS AND LNAV/VNAV ALL CATS VISIBILITY 3/8 MILE, AND LNAV CAT C VISIBILITY 1/4 MILE.

CITY AND STATE

PARKER, AZ**ELEVATION: 458****TDZE: 456**

AIRPORT NAME:

AVI SUQUILLAFACILITY
IDENTIFIER:**RNAV**

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 1, 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	P20
RUNWAY	RW01
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W01A
LTP/FTP LATITUDE	340831.6435N
LTP/FTP LONGITUDE	1141620.6600W
LTP/FTP ELLIPSOIDAL HEIGHT	+01069
FPAP LATITUDE	340951.7065N
FPAP LONGITUDE	1141533.2025W
THRESHOLD CROSSING HEIGHT (TCH)	00040.1
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0848
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER

B297ECEE

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K2
LTP ORTHOMETRIC HEIGHT	+01383
FPAP ORTHOMETRIC HEIGHT	+01383

CITY AND STATE

PARKER, AZ

ELEVATION: 458

TDZE: 456

AIRPORT NAME:

AVI SUQUILLA

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 1, ORIG

18 SEPTEMBER 2014

SUP:

AMDT: NONE

DATED:

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[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP P20 K2FR01	APKE	010PKE	K2D 0V	A	IF					18000		A JS	
SUSAP P20 K2FR01	APKE	020COAPT	K2EA0E		010TF		10230071	+	05500			A JS	
SUSAP P20 K2FR01	APKE	030BAKSEK	2EA0EE	B	010TF		10230101	+	03700			A JS	
SUSAP P20 K2FR01	AROGBE	010ROGBEK	2EA0E	A	IF					18000		A JS	
SUSAP P20 K2FR01	AROGBE	020DINBEK	2EA0E		010TF		05600128	+	05000			A JS	
SUSAP P20 K2FR01	AROGBE	030BAKSEK	2EA0EE	B	010TF		05610056	+	03700			A JS	
SUSAP P20 K2FR01	R	010BAKSEK	2EA0E	I	IF			+	03700	18000		A JS	
SUSAP P20 K2FR01	R	020APHISK	2EA1E	F	051TF		01280052	+	02400		RW01	K2PGA	JS
SUSAP P20 K2FR01	R	020APHISK	2EA2WALPV			ALNAV/VNAV	ALNAV					JS	
SUSAP P20 K2FR01	R	030RW01	K2PG0GY	M	031TF		01220060		00494	-300		A JS	
SUSAP P20 K2FR01	R	040	0	M	CA		0122	+	01100			A JS	
SUSAP P20 K2FR01	R	050PKE	K2D 0VY	L	DF				05500			A JS	
SUSAP P20 K2FR01	R	060PKE	K2D 0VE	L	HM		05400050	+	05500			A JS	

[illegible][illegible]

CITY AND STATE PARKER, AZ	ELEVATION: 458 AIRPORT NAME: AVI SUQUILLA	TDZE: 456 RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 1, ORIG 18 SEPTEMBER 2014	SUP:
				AMDT: NONE
				DATED:

EXERCISE 13-13 STANDARD INSTRUMENT APPROACH PROCEDURE

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SUSAP P20 K2PR01 RW01 001 C000W01A0N3408316435W11416206600+C10690300N3409517065W11415332025106750848000401F400500B297ECE
SUSAP P20 K2PR01 RW01 002E +C1383+01383LPV 72936

[illegible]

CITY AND STATE PARKER, AZ	ELEVATION: 458	TDZE: 456	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME: AVI SUQUILLA		RNAV	RNAV (GPS) RWY 1, ORIG 18 SEPTEMBER 2014	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
	PKE	PKE	010	IAF	IF		FB					
	PKE	COAPT	020		TF		FB	1.0	102.3 (116.3T)	007.1	AA 05500	
	PKE	BAKSE	030		TF		FB	1.0	102.3 (116.3T)	010.1	AA 03700	
	ROGBE	ROGBE	010	IAF	IF		FB					
	ROGBE	DINBE	020		TF		FB	1.0	056.0 (070.0T)	012.8	AA 05000	
	ROGBE	BAKSE	030		TF		FB	1.0	056.1 (070.1T)	005.6	AA 03700	
		BAKSE	010	FACF	IF		FB				AA 03700	
		APHIS	020	FAF	TF		FB	0.5	012.8 (026.8T)	005.2	AA 02400	
		RW01	030	MAP	TF		FO	0.3	012.2 (026.2T)	006.0	AT 00494	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		012.2 (026.2T)		AA 01100	
	PKE	050		DF	L	FO				AA 05500	
	PKE	060		HM	L	FO		054.0 (068.0T)	005.0	AA 05500	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	PKE	N340607.10	W1144055.44	N3406.118	W11440.924
	APHIS	N340308.86	W1141931.71	N3403.148	W11419.529
	BAKSE	N335828.13	W1142222.40	N3358.469	W11422.373
	COAPT	N340259.11	W1143318.25	N3402.985	W11433.304
	DINBE	N335634.36	W1142841.04	N3356.573	W11428.684
	ROGBE	N335212.70	W1144306.41	N3352.212	W11443.107
	RW01	N340831.64	W1141620.66	N3408.527	W11416.344

RUNWAY DATA	THRESHOLD	ELEVATION	TCH
RWY			
RW01	00454		40

CITY AND STATE PARKER, AZ	ELEVATION: 458	TDZE: 456	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 1, ORIG 18 SEPTEMBER 2014	SUP:
	AIRPORT NAME: AVI SUQUILLA				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.
PARKER, AZ	AVI SUQUILLA	18 SEPTEMBER 2014	1

TAKEOFF MINIMUMS:

RWY 19, STANDARD.
RWY 1, STANDARD WITH MINIMUM CLIMB OF 275 FT/NM TO 2700 OR 1800-2 ½ FOR VCOA.

TEXTUAL DEPARTURE PROCEDURES:

RWY 1: CLIMB HEADING 012.23 TO 1400 THEN CLIMBING RIGHT TURN TO INTERCEPT PKE VORTAC R-067 TO PKE VORTAC.
RWY 19: CLIMBING RIGHT TURN TO INTERCEPT PKE VORTAC R-067 TO PKE VORTAC.

VISUAL CLIMB OVER AIRPORT:

RWY 1: OBTAIN ATC APPROVAL FOR VCOA WHEN REQUESTING IFR CLEARANCE. CLIMB IN VISUAL CONDITIONS TO CROSS AVI SUQUILLA AIRPORT AT OR ABOVE 2100 THEN PROCEED ON PKE R-067 TO PKE VORTAC.

TAKEOFF OBSTACLE NOTES:

CONTROLLING OBSTACLES:

RWY 1: 1839 FT AAO 340729.85N/1141231.78W (CLIMB GRADIENT), 2088 FT MSL AAO 341406.10N/1140810.42W (CLIMB-TO ALTITUDE).

RWY 1 (VCOA): 1839 FT MSL AAO 340729.85N/1141231.78W.

OBSTACLE MANDATING ODP ROUTE DEVELOPMENT: RWY 1,19 – 3557 FT MSL AAO 341712.19N/1142102.98W.

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.
PARKER, AZ	AVI SUQUILLA	18 SEPTEMBER 2014	1

REMARKS:

MAGVAR NOT UPDATED PER FPT DIRECTION – EPOCH YEAR 2015 VALUE IS 11E.
20 FT USED FOR WORST-CASE VEGETATION HEIGHT WITHIN 5NM OF AIRPORT PER FPT/AMGR.

FLIGHT INSPECTED BY:

Juan Castro

DEVELOPED BY:

Lonnie Everhart
(Michael R. Garrity Jr.)

AJV-354

JUN 17 2014

APPROVED BY:

Larry Strout

AJV-354

JUN 17 2014

COORDINATED WITH:

ALPA, AOPA, NBAA, ZLA ARTCC, AFLD MGR

REQUIRED EFFECTIVE DATE:

CONCURRENT WITH KP20 RNAV
(GPS) RWY 1, ORIG AND VOR/DME-
A, AMDT 1.

CHANGES:

1. CHANGED RWY 1 TAKEOFF MINIMUMS FROM "800-1 ½" TO READ "STANDARD WITH MINIMUM CLIMB OF 275 FT/NM TO 2700, OR 1800-2 ½ FOR VCOA."
2. CHANGED RWY 19 TAKEOFF MINIMUMS FROM "300-1" TO READ "STANDARD".
3. CHANGED TEXTUAL DEPARTURE PROCEDURES FROM "RWY 19 RIGHT TURN; RWY 1 LEFT TURN. CLIMB VIA R-067 TO PKE VORTAC, TO CROSS ABOVE 4500. CONTINUE CLIMB ON COURSE TO MEA OR ASSIGNED ALTITUDE." TO READ "RWY 1: CLIMB HEADING 012.23 TO 1400 THEN CLIMBING RIGHT TURN TO INTERCEPT PKE VORTAC R-067 TO PKE VORTAC." AND TO READ "RWY 19 – CLIMBING RIGHT TURN TO INTERCEPT PKE VORTAC R-067 TO PKE VORTAC."
4. ADDED VISUAL CLIMB OVER AIRPORT.
5. CHANGED CONTROLLING OBSTACLE FOR RWY 1 FROM "1246 HILL" TO READ "RWY 1: 1839 FT AAO 340729.85N/1141231.78W (CLIMB GRADIENT), 2088 FT MSL AAO 341406.10N/1140810.42W (CLIMB-TO ALTITUDE). RWY 1 (VCOA): 1839 FT MSL AAO 340729.85N/1141231.78W. OBSTACLE MANDATING ODP ROUTE DEVELOPMENT: RWY 1, 19 – 3557 FT MSL AAO 341712.19N/1142102.98W".
6. REMOVED CONTROLLING OBSTACLE FOR RWY 19.

REASONS:

1. 8260.19E, PAGE 2-42, PARA 2-74 AND 8260.3B, VOLUME 4, CHAPTER 4, PAGE 4-1, PARA 4.0.
2. 8260.46D, APPENDIX D, PAGE D-1, PARA 6B.
3. 8260.46D, APPENDIX D, PAGE D-3, PARA 7A(2).
4. 8260.3B, VOLUME 4, CHAPTER 4, PAGE 4-1, PARA 4.0.
5. 8260.19E, PAGE 2-42, PARA 2-74 AND 8260.3B, VOLUME 4, CHAPTER 2, PAGE 2-1, PARA 2.0.
6. NO 40:1 OCS PENETRATORS IN TEXTUAL DEPARTURE TRAP.

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.

CITY AND STATE

PARKER, AZ

ELEVATION: 458

TDZE:

AIRPORT NAME:

AVI SUQUILLA

FACILITY
IDENTIFIER:

PKE

PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:

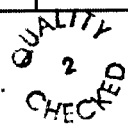
VOR/DME-A, AMDT 3

18 SEPTEMBER 2014

SUP: VOR/DME OR GPS-A

AMDT: 2B

DATED: 04/20/2000

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-DCI 1.64 DME FIX CLIMB TO 5300 THEN CLIMBING RIGHT TURN TO 7000 ON HEADING 120 AND GLL VOR/DME R-136 TO CEDUK INT/GLL 16.00 DME AND HOLD, OR AS DIRECTED BY ATC. ALTERNATE MA: CLIMB TO 5300 THEN CLIMBING RIGHT TURN TO 8500 ON HEADING 010 AND CYS VORTAC R-154 TO KROMM/CYS 26.26 DME AND HOLD. DME REQUIRED. ADDITIONAL FLIGHT DATA: HOLD SE, RT, 316.23 INBOUND. CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD SE KROMM/CYS 26.26 DME, RT, 333.79 INBOUND. CHART FAS OBST: 4685 TREE 402519N/1043750W CHART VDP AT 2.88 DME* DISTANCE VDP TO THLD 1.24 MILES. *LOC ONLY. CHART GLL R-136 AT WAVDI. CHART IN PLANVIEW: KROMM/CYS 26.26 DME. CHART IN PLANVIEW ONLY: GLL 17.45 DME AT WELDS. CHART CIRCLING ICON.	
GLL VOR/DME	WELDS/I-DCI 14.50 DME/RADAR	177.21 / 17.45 (GLL R-177)	7000		
WAVDI/GLL 17.45 DME CW (IAF)	WELDS/I-DCI 14.50 DME/RADAR (NOPT)	17.45 DME ARC (GLL LR-170)	7000		
WELDS/I-DCI 14.50 DME/RADAR (IF/IAF)	BUFFS/I-DCI 7.59 DME	349.81 / 6.92 (I-DCI)	6600		
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD S WELDS, RT, 349.81 INBOUND, 7000 FT. IN LIEU OF PT (IAF) 3. FAC: 349.81 FAF: BUFFS/I-DCI 7.59 DME DIST FAF TO MAP: _____ THLD: 5.95 4. MIN. ALT: WELDS 7000, BUFFS 6600, ARTSS/I-DCI 3.74 DME 5360* 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: 900 6. MIN GS INCPT: 6600 GS ALT AT: BUFFS 6600 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 50.9 8. MSA FROM: GLL VOR/DME 360-180 6900, 180-360 8100				MAG VAR: 8E 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 35	4865	3/4	200	4865	3/4
S-LOC 35	5100	1	435	5100	1 1/4
CIRCLING	5100	1	403	5180	1 1/2
NOTES: CHART PLANVIEW NOTE: DME OR RADAR REQUIRED. CHART PROFILE NOTE: USE I-DCI DME WHEN ON THE LOCALIZER COURSE. CHART NOTE: VDP NA WITH FORT COLLINS-LOVELAND MUNI ALTIMETER SETTING. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE FORT COLLINS-LOVELAND MUNI ALTIMETER (SEE FORM 8260-10)					
CITY AND STATE GREELEY, CO		ELEVATION: 4697 TDZE: 4665 AIRPORT NAME: GREELEY-WELD COUNTY		FACILITY IDENTIFIER: I-DCI	
PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC/DME RWY 35, AMDT 3 18 SEPTEMBER 2014		SUP: ILS OR LOC RWY 34 AMDT: 2 DATED 07/31/2008			

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.):

SETTING AND INCREASE DA TO 4950 FEET AND ALL VISIBILITIES 1/4 MILE; INCREASE ALL MDA 100 FEET AND S-LOC 35 CATS C/D AND CIRCLING CAT D VISIBILITY 1/4 MILE.

CITY AND STATE

GREELEY, CO

ELEVATION: 4697

TDZE: 4665

AIRPORT NAME:

GREELEY-WELD COUNTY

FACILITY
IDENTIFIER:

I-DCI

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

ILS OR LOC/DME RWY 35, AMDT 3

18 SEPTEMBER 2014

SUP: ILS OR LOC RWY 34

AMDT: 2

DATED: 07/31/2008

FLIGHT STANDARDS SERVICES - FAR PART 97.29

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

NAVAID	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAD	DVV	K2011470VTHW	N39534088W104372761		N39534088W104372761E0080052792								
SUSAD	GLL	K2011420VDHW	N40301393W104331086		N40301393W104331086E0130049002								
SUSAD	KGXYK2	IDCI	K2011030 IT		IDCIN40273264W104380004		047100						

[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KGXYK2FI35	AGLL	010GLL	K2D 0V	IF					18000		0	NS
SUSAP	KGXYK2FI35	AGLL	020WELDSK2PC0EY	TF					+ 07000			0	NS
SUSAP	KGXYK2FI35	AGLL	030WELDSK2PC0EE	AR	HF	DV	K2	352501933498T010D	+ 07000			0	NS
SUSAP	KGXYK2FI35	AWAVDI	010WAVDIK2EA0E	A	IF	GLL	K2	13620175	D		18000	0	NS
SUSAP	KGXYK2FI35	AWAVDI	020WELDSK2PC0EE	BR	AF	GLL	K2	177201751362	D		+ 07000	0	NS
SUSAP	KGXYK2FI35	I	010WELDSK2PC0E	I	IF	IDCIK2		16980145	PI	J	0700000660018000	0	NS
SUSAP	KGXYK2FI35	I	020BUFFSK2PC0E	F	CF	IDCIK2		1698007635000069PI	H	0660006600		-300GLL	AK2D 0 NS
SUSAP	KGXYK2FI35	I	030RW35 K2PG0GY	M	CF	IDCIK2		16980016350000060PI		04704		-300	0 NS
SUSAP	KGXYK2FI35	I	040	0 M	CA			3498		+ 05300			0 NS
SUSAP	KGXYK2FI35	I	050	0	R	VIY		1200					0 NS
SUSAP	KGXYK2FI35	I	060CEDUKK2EA0EY	R	CFYGLL	K2		1362016013620140D		+ 07000			0 NS
SUSAP	KGXYK2FI35	I	070CEDUKK2EA0EE	R	HM			3162T010		+ 07000			0 NS

[illegible]

CITY AND STATE GREELEY, CO	ELEVATION: 4697 TDZE: 4665	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP: ILS OR LOC RWY 34
	AIRPORT NAME: GREELEY-WELD COUNTY	I-DCI	ILS OR LOC/DME RWY 35, AMDT 3	AMDT: 2
			18 SEPTEMBER 2014	DATED: 07/31/2008

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - FAR PART 97.29

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

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

SUSAP KGXYK2IIDCI1 011030RW35 N40273260W1043756563498N40260367W1043746801023 09000413300E00805104653													

MSA	1234567890123456789012345678901234567890123456789012345678901234567890123456789012												

SUSAP KGXYK2SGLL K2D A 0 1803600692536018008125 M													

CITY AND STATE
GREELEY, CO

ELEVATION: 4697 TDZE: 4665
AIRPORT NAME:
GREELEY-WELD COUNTY

FACILITY
IDENTIFIER:
I-DCI

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
ILS OR LOC/DME RWY 35, AMDT 3
18 SEPTEMBER 2014

SUP: ILS OR LOC RWY 34
AMDT: 2
DATED: 07/31/2008

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - FAR PART 97.29

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

ARINC SUMMARY - 424-18 - ILS

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	GLL	GLL	010		IF		FB					
	GLL	WELDS	020		TF		FO				AA 07000	
	GLL	WELDS	030	IAF	HF	R	FO		349.8()	T01.0	AA 07000	
	WAVDI	WAVDI	010	IAF	IF		FB					
	WAVDI	WELDS	020		AF	R	FB		136.2()		AA 07000	
		WELDS	010	FACF	IF		FB				AA 07000	GI 06600
		BUFFS	020	FAF	CF		FB		350.0()	006.9	GI 06600	GS 06600
		RW35	030	MAP	CF		FO		350.0()	006.0	AT 04704	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		349.8()		AA 05300	
		050		VI	R	FB		120.0()			
	CEDUK	060		CF	R	FO		136.2()	014.0	AA 07000	
	CEDUK	070		HM	R	FO		316.2()	T01.0	AA 07000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	DVV	N395340.88	W1043727.61	N3953.681	W10437.460
	GLL	N403013.93	W1043310.86	N4030.232	W10433.181
	IDCI (DME)	N402732.64	W1043800.04	N4027.544	W10438.001
	CEDUK	N401628.00	W1042229.19	N4016.467	W10422.487
	WAVDI	N401513.10	W1042131.26	N4015.218	W10421.521
	BUFFS	N401957.46	W1043733.80	N4019.958	W10437.563
	WELDS	N401302.55	W1043713.20	N4013.043	W10437.220
	RW35	N402554.64	W1043751.65	N4025.911	W10437.861
	IDCI (LOC)	N402732.60	W1043756.56	N4027.543	W10437.943

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW35	04653	51

CITY AND STATE
GREELEY, CO

ELEVATION: 4697 TDZE: 4665
AIRPORT NAME:
GREELEY-WELD COUNTY

FACILITY
IDENTIFIER:
I-DCI

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
ILS OR LOC/DME RWY 35, AMDT 3
18 SEPTEMBER 2014

SUP: ILS OR LOC RWY 34
AMDT: 2
DATED: 07/31/2008

FLIGHT STANDARDS SERVICES - FAR PART 97.25

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

	1	2	3	4	5	6	7	8	9	0	1	2	3
RUNWAY	12345678901	23456789012	34567890123	45678901234	56789012345	67890123456	78901234567	89012345678	90123456789	01234567890	12345678901	23456789012	34567890123

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

LOC STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - FAR PART 97.25

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

SUSAP KGXYK2GRW35 0100003498 N40255464W104375165+0500 +1399804653110051100IIDCI1

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

SUSAP KGXYK2IIDCI1 011030RW35 N40273260W1043756563498N40260367W1043746801023 09000413300E00805104653

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

SUSAP KGXYK2SGLL K2D A 0 1803600692536018008125

M

CITY AND STATE
GREELEY, COELEVATION: 4697 TDZE: 4665
AIRPORT NAME:
GREELEY-WELD COUNTYFACILITY
IDENTIFIER:

I-DCIPROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
ILS OR LOC/DME RWY 35, AMDT 3
18 SEPTEMBER 2014SUP: ILS OR LOC RWY 34
AMDT: 2
DATED: 07/31/2008

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

LOC STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - FAR PART 97.25

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

ARINC SUMMARY - 424-18 - LOC

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	GLL	GLL	010		IF		FB					
	GLL	WELDS	020		TF		FO				AA 07000	
	GLL	WELDS	030	IAF	HF	R	FO		349.8()	T01.0	AA 07000	
	WAVDI	WAVDI	010	IAF	IF		FB					
	WAVDI	WELDS	020		AF	R	FB		136.2()		AA 07000	
		WELDS	010	FACF	IF		FB				AA 07000	
		BUFFS	020	FAF	CF		FB		350.0()	006.9	AA 06600	
		ARTSS	021	SDF	CF		FB		350.0()	003.9	AA 05360	
		RW35	030	MAP	CF		FO		350.0()	002.1	AT 04704	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		349.8()		AA 05300	
		050		VI	R	FB		120.0()			
	CEDUK	060		CF	R	FO		136.2()	014.0	AA 07000	
	CEDUK	070		HM	R	FO		316.2()	T01.0	AA 07000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	DVV	N395340.88	W1043727.61	N3953.681	W10437.460
	GLL	N403013.93	W1043310.86	N4030.232	W10433.181
	IDCI (DME)	N402732.64	W1043800.04	N4027.544	W10438.001
	CEDUK	N401628.00	W1042229.19	N4016.467	W10422.487
	WAVDI	N401513.10	W1042131.26	N4015.218	W10421.521
	ARTSS	N402348.64	W1043745.35	N4023.811	W10437.756
	BUFFS	N401957.46	W1043733.80	N4019.958	W10437.563
	WELDS	N401302.55	W1043713.20	N4013.043	W10437.220
	RW35	N402554.64	W1043751.65	N4025.911	W10437.861
	IDCI (LOC)	N402732.60	W1043756.56	N4027.543	W10437.943

RUNWAY DATA	THRESHOLD	ELEVATION	TCH
RWY			
RW35	04653		51

CITY AND STATE
GREELEY, COELEVATION: 4697 TDZE: 4665
AIRPORT NAME:
GREELEY-WELD COUNTYFACILITY
IDENTIFIER:
I-DCIPROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
ILS OR LOC/DME RWY 35, AMDT 3
18 SEPTEMBER 2014SUP: ILS OR LOC RWY 34
AMDT: 2
DATED: 07/31/2008

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION NDB STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.27										Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.									
TERMINAL ROUTES															MISSED APPROACH				
FROM			TO			COURSE AND DISTANCE					ALTITUDE								
ADDITIONAL FLIGHT DATA:																			
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. _____ 3. FAC _____ FAF _____ DIST FAF TO MAP _____ THLD _____ 4. MIN. ALT _____ 8. MSA FROM: _____															MAG VAR: _____ EPOCH YEAR: _____				
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT ALTERNATE: N/A																			
CATEGORY =====>		A			B			C			D			E					
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA				
NOTES: PROCEDURE CANCELED EFFECTIVE 18 SEPTEMBER 2014																			
CITY AND STATE GREELEY, CO				ELEVATION: 4697 TDZE: 4665 AIRPORT NAME: GREELEY-WELD COUNTY			FACILITY IDENTIFIER: DC		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: NDB RWY 34, ORIG-A, 05/08/2008				SUP AMDT ORIG DATE 08/05/2004						



US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION				RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.							
TERMINAL ROUTES										MISSED APPROACH					
FROM		TO		COURSE AND DISTANCE			ALTITUDE		LPV: DA LNAV/VNAV: DA LNAV: RW10 CLIMB TO 5400 THEN CLIMBING RIGHT TURN TO 7000 DIRECT CEDUK AND HOLD. ADDITIONAL FLIGHT DATA: HOLD SE, RT, 321.35 INBOUND. CHART FAS OBST: 4737 TREE 402606N/1043925W DISTANCE TO THLD FROM 250 HAT: 0.63 NM. CHART VDP AT 0.93 MILES TO RW10* *LNAV ONLY. WAAS CHANNEL # 62900 REFERENCE PATH ID: W10A CHART CIRCLING ICON. LTP HAE: 1402.4 M						
NIWOT		IBIXY (FB)		349.62 / 7.03			8000								
IBIXY (IAF)		NOCOL (FB)		027.47 / 8.04			7000								
LPORT (IAF)		NOCOL (FB)		149.67 / 6.39			7000								
NOCOL (IF)		UNCEE (FB)		097.25 / 7.02			6300								
UNCEE (FAF)		SHMRT/2.30 NM TO RW10		097.34 / 2.69											
SHMRT/2.30 NM TO RW10		RW10 (MAP) (FO)		097.34 / 2.30											
RW10 (MAP)		5400 MSL		097.34			5400								
5400 MSL		CEDUK (FO)					7000								
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 NOCOL 3. FAC: <u>097.34</u> FAF: UNCEE DIST FAF TO MAP: <u>4.99</u> THLD: <u>4.99</u> 4. MIN. ALT: NOCOL 7000, UNCEE 6300, SHMRT/2.30 NM TO RW10 5440* 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>6300</u> GS ALT AT: UNCEE 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: RW10 9000										MAG VAR: 8E 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	4911	3/4	250	4911	3/4	250	4911	3/4	250	4911	3/4	250			
LNAV/VNAV DA	4911	3/4	250	4911	3/4	250	4911	3/4	250	4911	3/4	250			
LNAV MDA	5000	1	339	5000	1	339	5000	1	339	5000	1	339			
CIRCLING	5100	1	403	5180	1	483	5180	1 1/2	483	5380	2 1/4	683			
NOTES: CHART NOTE: BARO-VNAV AND VDP NA WHEN USING FORT COLLINS-LOVELAND MUNI ALTIMETER SETTING. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -24C (-11F) OR ABOVE 49C (121F). CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE FORT COLLINS-LOVELAND MUNI ALTIMETER SETTING AND INCREASE ALL DA 85 FEET AND ALL MDA 100 FEET. INCREASE LPV AND LNAV/VNAV VISIBILITY ALL CATS 3/8 MILE; LNAV CAT C AND D AND CIRCLING CAT D VISIBILITY 1/4 MILE. (SEE FORM 8260-10)															
CITY AND STATE		ELEVATION: 4697 TDZE: 4661		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:		SUP: RNAV (GPS) RWY 9							
GREELEY, CO		AIRPORT NAME: GREELEY-WELD COUNTY				RNAV (GPS) RWY 10, AMDT 1 18 SEPTEMBER 2014		AMDT: ORIG							
								DATED 04/13/2006							

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

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NOTES, (CONT.):

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT NIWOT ON V575 SOUTHEAST BOUND AND V220 SOUTHWEST BOUND.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT LPORT ON V81 NORTHBOUND.

CHART NOTE: DME/DME RNP-0.3 NA.

QUALITY
2
CHECKED

CITY AND STATE
GREELEY, CO

ELEVATION: 4697 TDZE: 4661
AIRPORT NAME:
GREELEY-WELD COUNTY

FACILITY
IDENTIFIER:
RNAV

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

SUP: RNAV (GPS) RWY 9
AMDT: ORIG
DATED: 04/13/2006

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 KGXY
RUNWAY RW10
APPROACH PERFORMANCE DESIGNATOR 0
ROUTE INDICATOR
REFERENCE PATH DATA SELECTOR 0
REFERENCE PATH IDENTIFIER (APPROACH ID) W10A
LTP/FTP LATITUDE 402550.4735N
LTP/FTP LONGITUDE 1043846.0193W
LTP/FTP ELLIPSOIDAL HEIGHT +14024
FPAP LATITUDE 402526.7680N
FPAP LONGITUDE 1043653.5455W
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 0984
HORIZONTAL ALERT LIMIT (HAL) 40.0
VERTICAL ALERT LIMIT (VAL) 50.0

CRC REMAINDER

1796D868

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K2
LTP ORTHOMETRIC HEIGHT +14207
FPAP ORTHOMETRIC HEIGHT +14207

09/11/14
2
CHECKED

CITY AND STATE GREELEY, CO	ELEVATION: 4697 TDZE: 4661 AIRPORT NAME: GREELEY-WELD COUNTY	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 10, AMDT 1 18 SEPTEMBER 2014	SUP: RNAV (GPS) RWY 9
				AMDT: ORIG
				DATED: 04/13/2006

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.

WP	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAEENRT	CEDUK	K20	C	L	N40162800W104222919			E0083	NAR	CEDUK			
SUSAEENRT	IBIXY	K20	W		N40222798W105000349			E0086	NAR	IBIXY			
SUSAEENRT	LPORT	K20	C	L	N40345615W104570744			E0086	NAR	LPORT			
SUSAEENRT	NIWOT	K20	C	L	N40152600W104594061			E0086	NAR	NIWOT			
SUSAEENRT	NOCOL	K20	W		N40290109W104535646			E0086	NAR	NOCOL			
SUSAEENRT	SHMRT	K20	W		N40262713W104414026			E0084	NAR	SHMRT			
SUSAEENRT	UNCCE	K20	W		N40270988W104450399			E0085	NAR	UNCCE			

[illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KGXYK2FR10	ALPORT	C10LPOR	TK2EA0E	A	IF				18000		A	JS
SUSAP	KGXYK2FR10	ALPORT	020NOCOLK2EA0EE	B	010TF		14970064	+	07000			A	JS
SUSAP	KGXYK2FR10	ANIWOT	010NIWOTK2EA0E		IF					18000		A	JS
SUSAP	KGXYK2FR10	ANIWOT	020IBIXYK2EA0E	A	020TF		34960070	+	08000			A	JS
SUSAP	KGXYK2FR10	ANIWOT	030NOCOLK2EA0EE	B	010TF		02750080	+	07000			A	JS
SUSAP	KGXYK2FR10	R	010NOCOLK2EA0E	I	IF			+	07000	18000		A	JS
SUSAP	KGXYK2FR10	R	020UNCBEK2EA1E	F	051TF		09730070	+	06300		RW10	K2PGA	JS
SUSAP	KGXYK2FR10	R	020UNCBEK2EA2WALPV			ALNAV/VNAV	ALNAV						JS
SUSAP	KGXYK2FR10	R	021SHMRK2EA0E	S	031TF		09730027	V	0544005444		-300		A
SUSAP	KGXYK2FR10	R	030RW10	K2PGOGY	M	031TF	09730023				-300		A
SUSAP	KGXYK2FR10	R	040		M	CA	0973	+	05400				A
SUSAP	KGXYK2FR10	R	050CEDUKK2EA0EY	R	DF			+	07000				A
SUSAP	KGXYK2FR10	R	060CEDUKK2EA0EE	R	HM		32140070	+	07000				A

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

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[illegible]

SUP:	RNAV (GPS) RWY 9
AMDT:	ORIG
DATED:	04/13/2006

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

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ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	LPORT	LPORT	010	IAF	IF		FB					
	LPORT	NOCOL	020		TF		FB	1.0	149.7 (157.7T)	006.4	AA 07000	
	NIWOT	NIWOT	010		IF		FB					
	NIWOT	IBIXY	020	IAF	TF		FB	2.0	349.6 (357.6T)	007.0	AA 08000	
	NIWOT	NOCOL	030		TF		FB	1.0	027.5 (035.5T)	008.0	AA 07000	
		NOCOL	010	FACF	IF		FB				AA 07000	
		UNCEE	020	FAF	TF		FB	0.5	097.3 (105.3T)	007.0	AA 06300	
		SHMRT	021	SDF	TF		FB	0.3	097.3 (105.3T)	002.7	AA 05440	GS 05444
		RW10	030	MAP	TF		FO	0.3	097.3 (105.3T)	002.3	AT 04711	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		097.3 (105.3T)		AA 05400	
	CEDUK	050		DF	R	FO				AA 07000	
	CEDUK	060		HM	R	FO		321.4 (329.4T)	007.0	AA 07000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CEDUK	N401628.00	W1042229.19	N4016.467	W10422.487
	IBIXY	N402227.98	W1050003.49	N4022.466	W10500.058
	LPORT	N403456.15	W1045707.44	N4034.936	W10457.124
	NIWOT	N401526.00	W1045940.61	N4015.433	W10459.677
	NOCOL	N402901.09	W1045356.46	N4029.018	W10453.941
	SHMRT	N402627.13	W1044140.26	N4026.452	W10441.671
	UNCEE	N402709.88	W1044503.99	N4027.165	W10445.067
	RW10	N402550.47	W1043846.02	N4025.841	W10438.767

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW10	04661	50

CITY AND STATE GREELEY, CO	ELEVATION: 4697	TDZE: 4661	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP: RNAV (GPS) RWY 9
	AIRPORT NAME: GREELEY-WELD COUNTY		RNAV	RNAV (GPS) RWY 10, AMDT 1	AMDT: ORIG
				18 SEPTEMBER 2014	DATED: 04/13/2006

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.											
TERMINAL ROUTES				MISSED APPROACH											
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LPV: DA LNAV/VNAV: DA LNAV: RW17 CLIMB TO 5400 THEN CLIMBING LEFT TURN TO 7000 DIRECT CEDUK AND HOLD. ADDITIONAL FLIGHT DATA: HOLD SE, RT, 321.35 INBOUND. CHART FAS OBST: 4844 TREE 402956N/1043745W DISTANCE TO THLD FROM 200 HAT: 0.48 NM. CHART VDP AT 1.24 MILES TO RW17* *LNAV ONLY. WAAS CHANNEL # 72708 REFERENCE PATH ID: W17A CHART CIRCLING ICON. LTP HAE: 1413.3 M											
GLL VOR/DME	BLEEU (FO)	329.44 / 10.70	7600												
LPORT	BLEEU (FO)	061.77 / 15.04	8000												
WISER (IAF)	BLEEU (NOPT) (FB)	106.01 / 12.99	7600												
KROMM (IAF)	BLEEU (NOPT) (FB)	173.17 / 6.96	7600												
PACHE (IAF)	BLEEU (NOPT) (FB)	209.77 / 8.09	7600												
SHOOP (IAF)	BLEEU (NOPT) (FB)	225.38 / 21.38	7600												
BLEEU (IF/IAF) (SEE FORM 8260-10)	GOHLD (FB)	169.81 / 6.91	6600												
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. HOLD N BLEEU, RT, 169.81 INBOUND, 7600 FT. IN LIEU OF PT (IAF) 3. FAC: <u>169.81</u> FAF: <u>GOHLD</u> DIST FAF TO MAP: <u>5.83</u> THLD: <u>5.83</u> 4. MIN. ALT: BLEEU 7600, GOHLD 6600, BAAVR/2.30 NM TO RW17 5460* 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>6600</u> GS ALT AT: <u>GOHLD 6600</u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u>3.00</u> TCH: <u>45.6</u> 34:1 IS NOT CLEAR 8. MSA FROM: <u>RW17 8800</u>				MAG VAR: 8E 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	4897	3/4	200	4897	3/4	200	4897	3/4	200	4897	3/4	200			
LNAV/VNAV DA	4947	3/4	250	4947	3/4	250	4947	3/4	250	4947	3/4	250			
LNAV MDA	5140	1	443	5140	1	443	5140	1 1/2	443	5140	2 1/4	443			
CIRCLING	5140	1	443	5180	1	483	5180	1 1/2	483	5380	2 1/4	683			
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -24C (-11F) OR ABOVE 50C (123F). CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE FORT COLLINS-LOVELAND MUNI ALTIMETER (SEE FORM 8260-10) @ CAT D 800-2 1/4 @ NA WHEN LOCAL WEATHER NOT AVAILABLE.															
CITY AND STATE GREELEY, CO		ELEVATION: 4697 TDZE: 4697 AIRPORT NAME: GREELEY-WELD COUNTY		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 17, AMDT 1 18 SEPTEMBER 2014				SUP: RNAV (GPS) RWY 16 AMDT: ORIG DATED 07/31/2008					

 QUALITY
2
CHECKED

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
GOHLD (FAF)	BAAYR/2.30 NM TO RW17 (FB)	169.81 / 3.53	
BAAYR/2.30 NM TO RW17	RW17 (MAP) (FO)	169.81 / 2.30	
RW17 (MAP)	5400 MSL	169.81	5400
5400 MSL	CEDUK (FO)		7000

NOTES, (CONT.):

SETTING AND INCREASE ALL DA 85 FT AND MDA 100FT. INCREASE LPV ALL CATS VISIBILITY 1/8 MILE, INCREASE LNAV/VNAV ALL CATS VISIBILITY 3/8 MILE, INCREASE LNAV VISIBILITY CATS C AND D 1/4 MILE, AND CIRCLING CAT C VISIBILITY 1/8 MILE, CAT D VISIBILITY 1/4 MILE.

CHART NOTE: VDP AND BARO-VNAV NA WHEN USING FORT COLLINS-LOVELAND MUNI ALTIMETER SETTING.

QUALITY
2
CHECKED

CITY AND STATE
GREELEY, CO

ELEVATION: 4697 TDZE: 4697
 AIRPORT NAME:
 GREELEY-WELD COUNTY

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:
 RNAV (GPS) RWY 17, AMDT 1
 18 SEPTEMBER 2014

SUP: RNAV (GPS) RWY 16
 AMDT: ORIG
 DATED: 07/31/2008

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 KGXY
RUNWAY RW17
APPROACH PERFORMANCE DESIGNATOR 0
ROUTE INDICATOR 0
REFERENCE PATH DATA SELECTOR W17A
REFERENCE PATH IDENTIFIER (APPROACH ID) 402722.4975N
LTP/FTP LATITUDE 1043756.0520W
LTP/FTP LONGITUDE +14133
LTP/FTP ELLIPSOIDAL HEIGHT 402543.7800N
FPAP LATITUDE 1043751.1100W
FPAP LONGITUDE 00045.6
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)

CRC REMAINDER

7419A140

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K2
LTP ORTHOMETRIC HEIGHT +14316
FPAP ORTHOMETRIC HEIGHT +14316

QUALITY
2
CHECKED

CITY AND STATE
GREELEY, CO

ELEVATION: 4697 TDZE: 4697
AIRPORT NAME:
GREELEY-WELD COUNTY

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 17, AMDT 1
18 SEPTEMBER 2014

SUP: RNAV (GPS) RWY 16
AMDT: ORIG
DATED: 07/31/2008

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[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KGXYK2FR17	AGLL	010GLL	K2D 0V	IF					18000		A	JS
SUSAP	KGXYK2FR17	AGLL	020BLEEUK2EA0EY	020TF		32940107	+	07600				A	JS
SUSAP	KGXYK2FR17	AGLL	030BLEEUK2EA0EE	AR HF		16980070	+	07600				A	JS
SUSAP	KGXYK2FR17	AKROMM	010KROMMK2EA0E	A IF						18000		A	JS
SUSAP	KGXYK2FR17	AKROMM	020BLEEUK2EA0EE	B 010TF		17320070	+	07600				A	JS
SUSAP	KGXYK2FR17	ALPORT	010LPORTK2EA0E	IF						18000		A	JS
SUSAP	KGXYK2FR17	ALPORT	020BLEEUK2EA0EY	020TF		06180150	+	08000				A	JS
SUSAP	KGXYK2FR17	ALPORT	030BLEEUK2EA0EE	AR HF		16980070	+	07600				A	JS
SUSAP	KGXYK2FR17	APACHE	010PACHEK2EA0E	A IF						18000		A	JS
SUSAP	KGXYK2FR17	APACHE	020BLEEUK2EA0EE	B 010TF		20980081	+	07600				A	JS
SUSAP	KGXYK2FR17	ASHOOP	010SHOOPK2EA0E	A IF						18000		A	JS
SUSAP	KGXYK2FR17	ASHOOP	020BLEEUK2EA0EE	B 010TF		22540214	+	07600				A	JS
SUSAP	KGXYK2FR17	AWISER	010WISERK2EA0E	A IF						18000		A	JS
SUSAP	KGXYK2FR17	AWISER	020BLEEUK2EA0EE	B 010TF		10600130	+	07600				A	JS
SUSAP	KGXYK2FR17	R	010BLEEUK2EA0E	I IF			+	07600		18000		A	JS
SUSAP	KGXYK2FR17	R	020GOHLDK2EA1E	F 051TF		16980069	+	06600			RW17	K2PGA	JS
SUSAP	KGXYK2FR17	R	020GOHLDK2EA2WALPV		ALNAV/VNAV	ALNAV							JS
SUSAP	KGXYK2FR17	R	021BAAYRK2EA0E	S 031TF		16980035	V	0546005475		-300		A	JS

CITY AND STATE GREELEY, CO	ELEVATION: 4697 TDZE: 4697	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP: RNAV (GPS) RWY 16
	AIRPORT NAME: GREELEY-WELD COUNTY	RNAV	RNAV (GPS) RWY 17, AMDT 1	AMDT: ORIG
			18 SEPTEMBER 2014	DATED: 07/31/2008

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

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16980023	04742	-300	A JS
1698	+ 05400		A JS
	+ 07000		A JS
32140070	+ 07000		A JS

[illegible][illegible][illegible]

QUALITY
2
CHECKED

SUP:	RNAV (GPS) RWY 16
AMDT:	ORIG
DATED:	07/31/2008

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

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

ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	GLL	GLL	010		IF		FB					
	GLL	BLEEU	020		TF		FO	2.0	329.4(337.4T)	010.7	AA 07600	
	GLL	BLEEU	030	IAF	HF	R	FO		169.8(177.8T)	007.0	AA 07600	
	KROMM	KROMM	010	IAF	IF		FB					
	KROMM	BLEEU	020		TF		FB	1.0	173.2(181.2T)	007.0	AA 07600	
	LPORT	LPORT	010		IF		FB					
	LPORT	BLEEU	020		TF		FO	2.0	061.8(069.8T)	015.0	AA 08000	
	LPORT	BLEEU	030	IAF	HF	R	FO		169.8(177.8T)	007.0	AA 07600	
	PACHE	PACHE	010	IAF	IF		FB					
	PACHE	BLEEU	020		TF		FB	1.0	209.8(217.8T)	008.1	AA 07600	
	SHOOP	SHOOP	010	IAF	IF		FB					
	SHOOP	BLEEU	020		TF		FB	1.0	225.4(233.4T)	021.4	AA 07600	
	WISER	WISER	010	IAF	IF		FB					
	WISER	BLEEU	020		TF		FB	1.0	106.0(114.0T)	013.0	AA 07600	
		BLEEU	010	FACF	IF		FB				AA 07600	
		GOHLD	020	FAF	TF		FB	0.5	169.8(177.8T)	006.9	AA 06600	
		BAAYR	021	SDF	TF		FB	0.3	169.8(177.8T)	003.5	AA 05460	GS 05475
		RW17	030	MAP	TF		FO	0.3	169.8(177.8T)	002.3	AT 04742	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		169.8(177.8T)		AA 05400	
	CEDUK	050		DF	L	FO				AA 07000	
	CEDUK	060		HM	R	FO		321.4(329.4T)	007.0	AA 07000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	GLL	N403013.93	W1043310.86	N4030.232	W10433.181
	BAAYR	N402940.49	W1043802.96	N4029.675	W10438.049
	BLEEU	N404006.94	W1043834.41	N4040.116	W10438.574
	CEDUK	N401628.00	W1042229.19	N4016.467	W10422.487
	GOHLD	N403312.40	W1043813.59	N4033.207	W10438.227
	KROMM	N404705.01	W1043823.22	N4047.084	W10438.387
	LPORT	N403456.15	W1045707.44	N4034.936	W10457.124
	PACHE	N404631.24	W1043203.48	N4046.521	W10432.058
	SHOOP	N405254.61	W1041601.51	N4052.910	W10416.025
	WISER	N404525.30	W1045409.80	N4045.422	W10454.163
	RW17	N402722.50	W1043756.05	N4027.375	W10437.934

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH

QUALITY
2
CHECKED

CITY AND STATE GREELEY, CO	ELEVATION: 4697	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 17, AMDT 1 18 SEPTEMBER 2014	SUP: RNAV (GPS) RWY 18
	AIRPORT NAME: GREELEY-WELD COUNTY			AMDT: ORIG
				DATED: 07/31/2008

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

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

RW17 04697 46

2
07/31/2008

CITY AND STATE GREELEY, CO	ELEVATION: 4697	TDZE: 4697	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 17, AMDT 1 18 SEPTEMBER 2014	SUP: RNAV (GPS) RWY 17
	AIRPORT NAME: GREELEY-WELD COUNTY				AMDT: ORIG
					DATED: 07/31/2008

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: RW35 CLIMB TO 5300 THEN CLIMBING RIGHT TURN TO 7000 DIRECT CEDUK AND HOLD. ADDITIONAL FLIGHT DATA: HOLD SE, RT, 321.35 INBOUND. CHART FAS OBST: 4720 TREE 402606N/1043803W DISTANCE TO THLD FROM 200 HAT: 0.47 NM. CHART VDP AT 0.87 MILES TO RW35* *LNAV ONLY. WAAS CHANNEL # 69607 REFERENCE PATH ID: W35A CHART CIRCLING ICON. LTP HAE: 1399.8 M													
GLL VOR/DME	WELDS (FO)	182.21 / 17.45	7000														
ZERNA (IAF)	WELDS (NOPT) (FB)	270.32 / 14.71	7000														
WELDS (IF/IAF)	BUFFS (FB)	349.82 / 6.92	6600														
BUFFS (FAF)	ARTSS/2.10 NM TO RW35 (FB)	349.81 / 3.85															
ARTSS/2.10 NM TO RW35	RW35 (MAP) (FO)	349.81 / 2.10															
RW35 (MAP)	5300 MSL	349.81	5300														
5300 MSL	CEDUK (FO)		7000														
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF)				MAG VAR: 8E EPOCH YEAR: 2015													
2. HOLD S WELDS, RT, 349.82 INBOUND, 7000 FT. IN LIEU OF PT (IAF)																	
3. FAC: 349.81 FAF: BUFFS DIST FAF TO MAP: 5.95 THLD: 5.95																	
4. MIN. ALT: WELDS 7000, BUFFS 6600, ARTSS/2.10 NM TO RW35 5360*																	
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: 6600 GS ALT AT: BUFFS 6600 OM: <u> </u> MM: <u> </u> IM: <u> </u>																	
7. GS ANGLE: 3.00 TCH: 50.9 34:1 IS CLEAR																	
8. MSA FROM: RW35 8700																	
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	4865	3/4	200	4865	3/4	200	4865	3/4	200	4865	3/4	200					
LNAV/VNAV DA	4915	3/4	250	4915	3/4	250	4915	3/4	250	4915	3/4	250					
LNAV MDA	4980	1	315	4980	1	315	4980	7/8	315	4980	7/8	315					
CIRCLING	5100	1	403	5180	1	483	5180	1 1/2	483	5380	2 1/4	683					
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -24C (-11F) OR ABOVE 49C (121F). CHART NOTE: DME/DME RNP-0.3 NA. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON GLL VOR/DME AIRWAY RADIALS 095 CW 258. (SEE FORM 8260-10)																	
CITY AND STATE		ELEVATION: 4697 TDZE: 4665		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP: RNAV (GPS) RWY 34							
GREELEY, CO		AIRPORT NAME:		GREELEY-WELD COUNTY		RNAV		RNAV (GPS) RWY 35, AMDT 1 18 SEPTEMBER 2014				AMDT: ORIG					
												DATED 07/31/2008					

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

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NOTES, (CONT.):

*LNAV ONLY

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE FORT COLLINS-LOVELAND MUNI ALTIMETER SETTING AND INCREASE ALL DA 85 FEET AND ALL MDA 100 FEET, LPV ALL CATS VISIBILITIES TO 1 MILE AND LNAV/VNAV ALL CATS TO 1 1/8 MILE. INCREASE LNAV CATS C/D AND CIRCLING CAT D VISIBILITY 1/4 MILE.

CHART NOTE: VDP AND BARO-VNAV NA WHEN USING FORT COLLINS-LOVELAND MUNI ALTIMETER SETTING.

CITY AND STATE

GREELEY, CO

ELEVATION: 4697

TDZE: 4665

AIRPORT NAME:

GREELEY-WELD COUNTY

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 35, AMDT 1

18 SEPTEMBER 2014

SUP: RNAV (GPS) RWY 34

AMDT: ORIG

DATED: 07/31/2008

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

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FAS DATA BLOCK INFORMATIONDATA FIELD

OPERATION TYPE
SBAS SERVICE PROVIDER IDENTIFIER
AIRPORT IDENTIFIER
RUNWAY
APPROACH PERFORMANCE DESIGNATOR
ROUTE INDICATOR
REFERENCE PATH DATA SELECTOR
REFERENCE PATH IDENTIFIER (APPROACH ID)
LTP/FTP LATITUDE
LTP/FTP LONGITUDE
LTP/FTP ELLIPSOIDAL HEIGHT
FPAP LATITUDE
FPAP LONGITUDE
THRESHOLD CROSSING HEIGHT (TCH)
TCH UNITS SELECTOR (METERS OR FEET USED)
GLIDEPATH ANGLE (GPA)
COURSE WIDTH AT THRESHOLD
LENGTH OFFSET
HORIZONTAL ALERT LIMIT (HAL)
VERTICAL ALERT LIMIT (VAL)

DATA

0
0
KGXY
RW35
0
0
W35A
402554.6370N
1043751.6470W
+13998
402723.7400N
1043756.1100W
00050.9
F
03.00
106.75
0040
40.0
35.0

CRC REMAINDER

DA50EBFE

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE
LTP ORTHOMETRIC HEIGHT
FPAP ORTHOMETRIC HEIGHT

K2
+14182
+14182

CITY AND STATE

GREELEY, CO

ELEVATION: 4697

TDZE: 4665

AIRPORT NAME:

GREELEY-WELD COUNTY

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 35, AMDT 1

18 SEPTEMBER 2014

SUP: RNAV (GPS) RWY 34

AMDT: ORIG

DATED: 07/31/2008

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[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KGXYK2FR35	AGLL	010GLL	K2D	0V	IF				18000		A	JS
SUSAP	KGXYK2FR35	AGLL	020WELDSK2EA0EY	020TF			18220175	+ 07000				A	JS
SUSAP	KGXYK2FR35	AGLL	030WELDSK2EA0EE	AR	HF		34980070	+ 07000				A	JS
SUSAP	KGXYK2FR35	AZERNA	010ZERNNAK2EA0E	A	IF				18000			A	JS
SUSAP	KGXYK2FR35	AZERNA	020WELDSK2EA0EE	B	010TF		27030147	+ 07000				A	JS
SUSAP	KGXYK2FR35	R	010WELDSK2EA0E	I	IF			+ 07000	18000			A	JS
SUSAP	KGXYK2FR35	R	020BUFFSK2EA1E	F	051TF		34980069	+ 06600		RW35	K2PGA	JS	
SUSAP	KGXYK2FR35	R	020BUFFSK2EA2WALPV			ALNAV/VNAV	ALNAV					JS	
SUSAP	KGXYK2FR35	R	021ARTSSK2EA0E	S	031TF		34980039	V	0536005373		-300	A	JS
SUSAP	KGXYK2FR35	R	030RW35	K2PGOGY	M	031TF	34980021		04704		-300	A	JS
SUSAP	KGXYK2FR35	R	040	0	M	CA	3498	+ 05300				A	JS
SUSAP	KGXYK2FR35	R	050CEDUKK2EA0EY	R	DF			+ 07000				A	JS
SUSAP	KGXYK2FR35	R	060CEDUKK2EA0EE	R	HM		32140070	+ 07000				A	JS

[illegible][illegible]

CITY AND STATE GREELEY, CO	ELEVATION: 4697	TDZE: 4665	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME:			RNAV (GPS) RWY 35, AMDT 1	AMDT: ORIG
	GREELEY-WELD COUNTY		RNAV	18 SEPTEMBER 2014	DATED: 07/31/2008

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

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SUSAP	KGXYK2PR35	RW35	001	0000W35A0N4025546370W10437516470+139980300N4027237400W10437561100106750040000509F400350DA50EBFE
SUSAP	KGXYK2PR35	RW35	002E	+14182+14182LPV 69607

[illegible]

CITY AND STATE
GREELEY, CO

ELEVATION: 4697	TDZE: 4665
AIRPORT NAME:	
GREELEY-WELD COUNTY	

FACILITY
IDENTIFIER:
| RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
RNAV (GPS) RWY 35, AMDT 1
 18 SEPTEMBER 2014

SUP:	
AMDT:	ORIG
DATED:	07/31/2008

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
	GLL	GLL	010		IF		FB					
	GLL	WELDS	020		TF		FO	2.0	182.2 (190.2T)	017.5	AA 07000	
	GLL	WELDS	030	IAF	HF	R	FO		349.8 (357.8T)	007.0	AA 07000	
	ZERNA	ZERNA	010	IAF	IF		FB					
	ZERNA	WELDS	020		TF		FB	1.0	270.3 (278.3T)	014.7	AA 07000	
		WELDS	010	FACF	IF		FB				AA 07000	
		BUFFS	020	FAF	TF		FB	0.5	349.8 (357.8T)	006.9	AA 06600	
		ARTSS	021	SDF	TF		FB	0.3	349.8 (357.8T)	003.9	AA 05360	GS 05373
		RW35	030	MAP	TF		FO	0.3	349.8 (357.8T)	002.1	AT 04704	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		349.8 (357.8T)		AA 05300	
	CEDUK	050		DF	R	FO				AA 07000	
	CEDUK	060		HM	R	FO		321.4 (329.4T)	007.0	AA 07000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	GLL	N403013.93	W1043310.86	N4030.232	W10433.181
	ARTSS	N402348.64	W1043745.35	N4023.811	W10437.756
	BUFFS	N401957.46	W1043733.80	N4019.958	W10437.563
	CEDUK	N401628.00	W1042229.19	N4016.467	W10422.487
	WELDS	N401302.55	W1043713.20	N4013.043	W10437.220
	ZERNA	N401056.31	W1041812.95	N4010.939	W10418.216
	RW35	N402554.64	W1043751.65	N4025.911	W10437.861

RUNWAY DATA	THRESHOLD	ELEVATION	TCH
RWY			
RW35	04653		51

CITY AND STATE GREELEY, CO	ELEVATION: 4697	TDZE: 4665	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME: GREELEY-WELD COUNTY		RNAV	RNAV (GPS) RWY 35, AMDT 1	AMDT: ORIG
				18 SEPTEMBER 2014	DATED: 07/31/2008

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.
GREELEY, CO	GREELEY-WELD COUNTY	18 SEPTEMBER 2014	4

TAKEOFF MINIMUMS:

RWY 10, 17, 28, 35 STANDARD

TEXTUAL DEPARTURE PROCEDURES:

RWY 10 – CLIMB ON A HEADING BETWEEN 292 CW TO 214 FROM DEPARTURE END OF RUNWAY. ALL OTHER HEADINGS: CLIMBING LEFT TURN, THENCE...

RWY 17 - CLIMB ON A HEADING BETWEEN 212 CCW TO 350 FROM DEPARTURE END OF RUNWAY. ALL OTHER HEADINGS: CLIMBING LEFT TURN, THENCE...

RWY 28 - CLIMB ON A HEADING BETWEEN 294 CW TO 097 OR 209 CCW TO 097 FROM DEPARTURE END OF RUNWAY. ALL OTHER HEADINGS: CLIMBING RIGHT TURN, THENCE...

RWY 35 - CLIMB ON A HEADING BETWEEN 293 CW TO 169 FROM DEPARTURE END OF RUNWAY. ALL OTHER HEADINGS: CLIMBING RIGHT TURN, THENCE...

...DIRECT GLL VOR/DME, CLIMB IN GLL VOR/DME HOLDING PATTERN (HOLD NE, RT, 205.00 INBOUND) TO 16500 BEFORE PROCEEDING ON COURSE.

VISUAL CLIMB OVER AIRPORT:

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 28, TREE 1634 FT FROM DER, 836 FT LEFT OF CENTERLINE, 56 FT AGL/4717 FT MSL, FENCE 237 FT FROM DER, 422 FT RIGHT OF CENTERLINE, 11 FT AGL/4670 FT MSL, FENCE 99 FT FROM DER, 423 FT LEFT OF CENTERLINE, 10 FT AGL/4665 FT MSL.

NOTE: RWY 35, MULTIPLE TREES BEGINNING 1860 FT FROM DER, 595 FT RIGHT OF CENTERLINE, UP TO 67 FT AGL/4785 FT MSL, TREE 2854 FT FROM DER, 524 FT LEFT OF CENTERLINE, 73 FT AGL/ 4770 FT MSL.

CONTROLLING OBSTACLES:

RWY 10: 14455 MSL AAO 401519.05N-1053628.56W, 10920 MSL AAO 403043.86N-1052635.42W, 11847 MSL AAO 401043.35N-1053351.27W

RWY 17: 14455 MSL AAO 401519.05N-1053628.56W, 10920 MSL AAO 403043.86N-1052635.42W, 11847 MSL AAO 401043.35N-1053351.27W

RWY 28: 14455 MSL AAO 401519.05N-1053628.56W, 10920 MSL AAO 403043.86N-1052635.42W, 11847 MSL AAO 401043.35N-1053351.27W

RWY 35: 14455 MSL AAO 401519.05N-1053628.56W, 10920 MSL AAO 403043.86N-1052635.42W, 11847 MSL AAO 401043.35N-1053351.27W

OBSTACLES MANDATING ODP SECTORIZED ROUTE DEVELOPMENT: ALL RWYS: 14455 MSL AAO 401519.05N-1053628.56W, 10920 MSL AAO 403043.86N-1052635.42W, 11847 MSL AAO 401043.35N-1053351.27W.

REMARKS:

QUALITY
2
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.
GREELEY, CO	GREELEY-WELD COUNTY	18 SEPTEMBER 2014	4

FLIGHT INSPECTED BY:

Juan Castro

[Signature] 6/9/14

REQUIRED EFFECTIVE DATE:

ROUTINE

DEVELOPED BY:

RUSSELL K. CRONK

AJV-354

[Signature]

02/19/2014

APPROVED BY:

LARRY H. STROUT

AJV-354

[Signature]

JUN 20 2014

COORDINATED WITH:

ATA, ALPA, AOPA, NBAA, ZDV, DEN ATCT, AMGR, CO AERO.

CHANGES:

1. MAG VAR CHANGE FROM E-11 TO E-8 CHANGED ALL THE TEXTUAL DEPARTURE PROCEDURE HEADINGS BY 3 DEGREES FOR RUNWAYS 10, 17, 28, 35.
2. TEXTUAL DEPARTURE PROCEDURE: RUNWAY NUMBERING CHANGED DUE TO MAG VAR CHANGE FROM E-11 TO E-8. RUNWAYS CHANGED FROM 9 TO 10, 16 TO 17, 27 TO 28, 34 TO 35. AIRPORT RE-PAINTED RUNWAY NUMBERING.
3. TAKEOFF OBSTACLE NOTES: RWY 28 OBSTACLES UPDATED WITH NEW AGL ALTITUDES, FENCE 237 FT FROM DER, AGL ALTITUDE CHANGED FROM 9 FT AGL TO 11 FT AGL. FENCE 99 FT FROM DER, AGL ALTITUDE CHANGED FROM 4 FT AGL TO 10 FT AGL.
4. CHANGED DOCUMENTATION FORMATTING FROM OLD 8260-15A TO NEW REPORT FORMAT.
5. UPDATED CONTROLLING OBSTACLES FOR ALL RUNWAYS.
6. UPDATED CLIMB IN HOLDING PATTERN AND CONTROLLING OBSTACLE TO REFLECT THE FLIGHT CHECK REQUESTED INCREASE IN HOLDING ALTITUDE. THIS CHANGED THE HOLDING PATTERN SIZE AND CONTROLLING OBSTACLE.

REASONS:

1. AIRPORT MAG VAR OUT OF TOLERANCE 3 DEGREES. MAG VAR CHANGED FROM E-11 TO E-8.
2. AIRPORT AND ILS MAG VAR ROTATED AND RUNWAY MARKINGS / NUMBERING RE-PAINTED.
3. NEW SURVEY IS MORE ACCURATE.
4. PROCEDURE WAS DOCUMENTED IN THE OLD FORMATTING STYLE AND ON THE OLD STYLE FORMS. COVERTED TO THE NEW FORMATTING AND NEW FORMS.
5. NEW SURVEY HELPED UPDATE THE CONTROLLING OBSTACLES AND DETAILED MAP STUDY ALLOWED FOR MORE ACCURATE AAO LOCATIONS AND ELEVATIONS. ALTITUDES ON SECTIONAL 1:500,000 SCALE MAP WERE ALSO UPDATED.
6. DURING FLIGHT CHECK IT WAS DETERMINED THAT A CLIMB TO ALTITUDE OF 16,500FT WAS REQUIRED IN THE CLIMB IN HOLD PATTERN FOR SAFE PASSAGE OVER THE MOUNTAINS WEST OF THE AIRFIELD. A NEW MAP WAS NEVER RE-DRAWN USING THE FLIGHT CHECK ALTITUDE WHICH INCREASED THE CLIMB IN HOLDING PATTERN TEMPLATE SIZE AND CHANGED THE CONTROLLING OBSTACLE.



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: 4.55 MILES AFTER GLL VOR/DME OR AT YURUK/GLL 4.55 DME/RADAR FIX CLIMBING LEFT TURN TO 7000 ON HEADING 100 AND GLL VOR/DME R-136 TO CEDUK INT/GLL 16.00 DME AND HOLD. ADDITIONAL FLIGHT DATA: HOLD SE, RT, 316.23 INBOUND. CHART FAS OBST: 4785 TREE 402754N/1043747W 5101 AAO 403013N/1043312W. FAC CROSSES MID POINT OF RWY 17-35.							
SHOOP INT/GLL 26.15 DME/RADAR (IAF)		NOVAA/GLL 10.00 DME/RADAR (NOPT)		196.84 / 16.15 (GLL R-017)				7000									
NOVAA/GLL 10.00 DME/RADAR (IF)		GLL VOR/DME		196.84 / 10.00				6300									
1. PT <u>L</u> SIDE OF COURSE <u>016.84</u> OUTBOUND <u>7000</u> FT WITHIN <u>10</u> MILES OF <u>GLL VOR/DME</u> (IAF) 2. _____ 3. FAC <u>209.12</u> FAF <u>GLL VOR/DME</u> DIST FAF TO MAP <u>4.55</u> THLD _____ 4. MIN. ALT <u>GLL VOR/DME 6300, WESAR/GLL 3.00 DME/RADAR 5300*</u> 8. MSA FROM: <u>GLL VOR/DME 360-180 6900, 180-360 8100</u>														MAG VAR: 13E		EPOCH YEAR: 1970	
MINIMUMS																	
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT								ALTERNATE: N A		STANDARD @							
CATEGORY =====>		A		B		C		D		E							
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA		
CIRCLING	5300	1	603	5300	1	603	5300	1 3/4	603	5380	2 1/4	683					
WESAR FIX MINIMUMS (DME OR RADAR REQUIRED)																	
CIRCLING	5100	1	403	5180	1	483	5180	1 1/2	483	5380	2 1/4	683					
NOTES: CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE FORT COLLINS-LOVELAND MUNI ALTIMETER SETTING AND INCREASE ALL MDA 100 FEET; INCREASE CAT C AND D AND WESAR FIX MINIMUMS CAT D VISIBILITY 1/4 MILE. CHART PROFILE NOTE: *5400 WHEN USING FORT COLLINS-LOVELAND MUNI ALTIMETER SETTING.																	
CITY AND STATE GREELEY, CO		ELEVATION: 4697 AIRPORT NAME: GREELEY-WELD COUNTY		TDZE:		FACILITY IDENTIFIER: GLL		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: VOR-A, AMDT 10 18 SEPTEMBER 2014				SUP					
												AMDT 9A					
												DATE 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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TAA

	FROM	TO	ALT
1.	227/30 CW 047/30 (NOPT)	227/17 CW 047/17	2100
2.	227/17 CW 047/17	HIJEG (IF/IAF) (FB)	2000
3.	047/30 CW 137/30	ZEVIK (IAF) (FB)	2000
4.	137/30 CW 227/30	WOBKU (IAF) (FB)	2300

CITY AND STATE

NAPLES, FL

ELEVATION: 8

TDZE:

AIRPORT NAME:

NAPLES MUNI

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS)-A, ORIG

18 SEPTEMBER 2014

SUP:

AMDT: NONE

DATED:

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	KAPFK7FRNV-A	AHIJEG	010HIJEGK7EA0EE	AR	HF		31730040	+	02000	18000		B	JC
SUSAP	KAPFK7FRNV-A	AWOBKU	010WOBKUK7EA0E	A	IF					18000		B	JC
SUSAP	KAPFK7FRNV-A	AWOBKU	020HIJEGK7EA0EE	B	010TF		22730080	+	02000			B	JC
SUSAP	KAPFK7FRNV-A	AZEVIK	010ZEVIKK7EA0E	A	IF					18000		B	JC
SUSAP	KAPFK7FRNV-A	AZEVIK	020HIJEGK7EA0EE	B	010TF		04730080	+	02000			B	JC
SUSAP	KAPFK7FRNV-A	R	010HIJEGK7EA0E	I	IF					18000		B	JC
SUSAP	KAPFK7FRNV-A	R	020NONLEK7EA0E	F	051TF		31730050	+	01500			B	JC
SUSAP	KAPFK7FRNV-A	R	021MEKBK7EA0E	S	031TF		31730024	V	0074000745		-300	B	JC
SUSAP	KAPFK7FRNV-A	R	030RW32 K7PG0GY	M	031TF		31730022		00045		-300	B	JC
SUSAP	KAPFK7FRNV-A	R	040	0	M	CA	3173	+	00408			B	JC
SUSAP	KAPFK7FRNV-A	R	050CORFUK7EA0EY	R	DF			+	02300			B	JC
SUSAP	KAPFK7FRNV-A	R	060CORFUK7EA0EE	R	HM		32030040	+	02300			B	JC

[illegible]

CITY AND STATE NAPLES, FL	ELEVATION: 8	TDZE:	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS)-A, ORIG 18 SEPTEMBER 2014	SUP:
	AIRPORT NAME: NAPLES MUNI				AMDT: NONE
					DATED:

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

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ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	PO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	HIJEG	HIJEG	010	IAF	HF	R	FO		317.3 (314.3T)	004.0	AA 02000	
	WOBKU	WOBKU	010	IAF	IF		FB					
	WOBKU	HIJEG	020		TF		FB	1.0	227.3 (224.3T)	008.0	AA 02000	
	ZEVIK	ZEVIK	010	IAF	IF		FB					
	ZEVIK	HIJEG	020		TF		FB	1.0	047.3 (044.3T)	008.0	AA 02000	
		HIJEG	010	FACF	IF		FB				AA 02000	
		NONLE	020	FAF	TF		FB	0.5	317.3 (314.3T)	005.0	AA 01500	
		MEKBE	021	SDF	TF		FB	0.3	317.3 (314.3T)	002.4	AA 00740	GS 00745
		RW32	030	MAP	TF		FO	0.3	317.3 (314.3T)	002.2	AT 00045	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	PO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		317.3 (314.3T)		AA 00408	
	CORFU	050		DF	R	FO				AA 02300	
	CORFU	060		HM	R	FO		320.3 (317.3T)	004.0	AA 02300	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CORFU	N262417.85	W0813908.49	N2624.298	W08139.142
	HIJEG	N260214.00	W0813836.42	N2602.233	W08138.607
	MEKBE	N260723.62	W0814428.07	N2607.394	W08144.468
	NONLE	N260544.08	W0814234.93	N2605.735	W08142.582
	WOBKU	N260758.44	W0813223.94	N2607.974	W08132.399
	ZEVIK	N255629.28	W0814448.29	N2556.488	W08144.805
	RW32	N260856.00	W0814613.14	N2608.933	W08146.219

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW32	00007	38

CITY AND STATE NAPLES, FL	ELEVATION: 8	TDZE:	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS)-A, ORIG 18 SEPTEMBER 2014	SUP:
	AIRPORT NAME: NAPLES MUNI				AMDT: NONE
					DATED:

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

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TAA

	FROM	TO	ALT
1.	047/30 CW 227/30 (NOPT)	047/25 CW 227/25	2600
2.	047/25 CW 227/25	WEXIX (IF/IAF) (FB)	2000
3.	227/30 CW 317/30	FILOP (IAF) (FB)	2300
4.	317/30 CW 047/30	JUKIG (IAF) (FB)	2000

CITY AND STATE
 NAPLES, FL

ELEVATION: 8 TDZE:
 AIRPORT NAME:
 NAPLES MUNI

FACILITY
 IDENTIFIER:
 RNAV

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

SUP:
 AMDT: NONE
 DATED:

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	KAPFK7FRNV-B	AFILOP	010FILOPK7EA0E	A	IF					18000		B	JC
SUSAP	KAPFK7FRNV-B	AFILOP	020WEXIXK7EA0EE	B	010TF		22720080		+ 02000			B	JC
SUSAP	KAPFK7FRNV-B	AJUKIG	010JUKIGK7EA0E	A	IF					18000		B	JC
SUSAP	KAPFK7FRNV-B	AJUKIG	020WEXIXK7EA0EE	B	010TF		04710080		+ 02000			B	JC
SUSAP	KAPFK7FRNV-B	AWEXIX	010WEXIXK7EA0EE	AR	HF		13720040		+ 02000	18000		B	JC
SUSAP	KAPFK7FRNV-B	R	010WEXIXK7EA0E	I	IF				+ 02000	18000		B	JC
SUSAP	KAPFK7FRNV-B	R	020TILDEK7EA0E	F	051TF		13720050		+ 01500			B	JC
SUSAP	KAPFK7FRNV-B	R	021YAYUVK7EA0E	S	031TF		13720026		V 0068000683		-300	B	JC
SUSAP	KAPFK7FRNV-B	R	030RW14 K7PG0GY	M	031TF		13720020		00044		-300	B	JC
SUSAP	KAPFK7FRNV-B	R	040	0	M	CA	1372		+ 00408			B	JC
SUSAP	KAPFK7FRNV-B	R	050CORFUK7EA0EY	L	DF				+ 02300			B	JC
SUSAP	KAPFK7FRNV-B	R	060CORFUK7EA0EE	R	HM		32030040		+ 02300			B	JC

[illegible]

CITY AND STATE NAPLES, FL	ELEVATION: 8 AIRPORT NAME: NAPLES MUNI	TDZE: RNAV	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

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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
	FILOP	FILOP	010	IAF	IF		FB					
	FILOP	WEXIX	020		TF		FB	1.0	227.2(224.2T)	008.0	AA 02000	
	JUKIG	JUKIG	010	IAF	IF		FB					
	JUKIG	WEXIX	020		TF		FB	1.0	047.1(044.1T)	008.0	AA 02000	
	WEXIX	WEXIX	010	IAF	HF	R	FO		137.2(134.2T)	004.0	AA 02000	
		WEXIX	010	FACF	IF		FB				AA 02000	
		TILDE	020	FAF	TF		FB	0.5	137.2(134.2T)	005.0	AA 01500	
		YAYUV	021	SDF	TF		FB	0.3	137.2(134.2T)	002.6	AA 00680	GS 00683
		RW14	030	MAP	TF		FO	0.3	137.2(134.2T)	002.0	AT 00044	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		137.2(134.2T)		AA 00408	
	CORFU	050		DF	L	FO				AA 02300	
	CORFU	060		HM	R	FO		320.3(317.3T)	004.0	AA 02300	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CORFU	N262417.85	W0813908.49	N2624.298	W08139.142
	FILOP	N262153.04	W0814813.01	N2621.884	W08148.217
	JUKIG	N261022.47	W0820037.20	N2610.375	W08200.620
	TILDE	N261238.16	W0815026.17	N2612.636	W08150.436
	WEXIX	N261607.89	W0815425.41	N2616.132	W08154.424
	YAYUV	N261050.49	W0814823.49	N2610.842	W08148.392
	RW14	N260926.54	W0814647.90	N2609.442	W08146.798

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW14	00006	38

CITY AND STATE NAPLES, FL	ELEVATION: 8	TDZE:	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS)-B, ORIG 18 SEPTEMBER 2014	SUP:
	AIRPORT NAME: NAPLES MUNI				AMDT: NONE
					DATED:

PAGE 1 OF 6 PAGES

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

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NOTES, (CONT.):

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE TAMPA INTL ALTIMETER SETTING AND INCREASE ALL MDA 20 FT.

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

CHART NOTE: STRAIGHT-IN MINIMUMS NA AT NIGHT.

CHART NOTE: NIGHT LANDING: RWY 4, 22 NA.

CHART NOTE: CIRCLING NA TO RWY 18.

CITY AND STATE

TAMPA, FL

ELEVATION: 8

TDZE: 8

AIRPORT NAME:

PETER O KNIGHT

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 36, AMDT 2B

18 SEPTEMBER 2014

SUP:

AMDT: 2A

DATED: 05/31/2012

**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 KTPF
RUNWAY RW36
APPROACH PERFORMANCE DESIGNATOR 0
ROUTE INDICATOR
REFERENCE PATH DATA SELECTOR 0
REFERENCE PATH IDENTIFIER (APPROACH ID) W36A
~~LTP~~FTP LATITUDE 275444.6700N
~~LTP~~FTP LONGITUDE 0822657.9300W
LTP/FTP ELLIPSOIDAL HEIGHT -00230
FPAP LATITUDE 275608.1000N
FPAP LONGITUDE 0822733.9200W
THRESHOLD CROSSING HEIGHT (TCH) 00033.8
TCH UNITS SELECTOR (METERS OR FEET USED) F
GLIDEPATH ANGLE (GPA) 03.00
COURSE WIDTH AT THRESHOLD 106.75
LENGTH OFFSET 0000
HORIZONTAL ALERT LIMIT (HAL) 40.0
VERTICAL ALERT LIMIT (VAL) 0.0

CRC REMAINDER

B0CC37FE

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K7
LTP ORTHOMETRIC HEIGHT +00020
FPAP ORTHOMETRIC HEIGHT +00020

CITY AND STATE

TAMPA, FL

ELEVATION: 8

TDZE: 8

AIRPORT NAME:

PETER O KNIGHT

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 36, AMDT 2B

18 SEPTEMBER 2014

SUP:

AMDT: 2A

DATED: 05/31/2012

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[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KTPFK7FR36	ALAL	010LAL	K7D 0V	IF					18000		A JS	
SUSAP	KTPFK7FR36	ALAL	020HUMKIK7EA0EY	020TF			23720243	+ 02700				A JS	
SUSAP	KTPFK7FR36	ALAL	030HUMKIK7EA0EE	AR HF			34410040	+ 02700				A JS	
SUSAP	KTPFK7FR36	ASRQ	010SRQ	K7D 0V A	IF					18000		A JS	
SUSAP	KTPFK7FR36	ASRQ	020HUMKIK7EA0EE	B 010TF			03210222	+ 02700				A JS	
SUSAP	KTPFK7FR36	R	010HUMKIK7EA0E	I IF				+ 02700		18000		A JS	
SUSAP	KTPFK7FR36	R	020JEVODK7EA1E	F 051TF			34410061	+ 01700			CUVYA K7EAA	JS	
SUSAP	KTPFK7FR36	R	020JEVODK7EA2WALP		N	ALNAV						JS	
SUSAP	KTPFK7FR36	R	030CUVYAK7EA0EY	M 031TF			34410047	00207		-300		A JS	
SUSAP	KTPFK7FR36	R	040	0 M CA			3441	+ 00408				A JS	
SUSAP	KTPFK7FR36	R	050LAL	K7D 0VY R DF				+ 02700				A JS	
SUSAP	KTPFK7FR36	R	060LAL	K7D 0VE R HM			07700040	+ 02700				A JS	

[illegible][illegible]

CITY AND STATE TAMPA, FL	ELEVATION: 8	TDZE: 8	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME:			RNAV (GPS) RWY 36, AMDT 2B	AMDT: 2A
	PETER O KNIGHT		RNAV	18 SEPTEMBER 2014	DATED: 05/31/2012

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

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[illegible]

CITY AND STATE
TAMPA, FL

ELEVATION: 8	TDZE: 8
AIRPORT NAME: PETER O KNIGHT	

FACILITY
IDENTIFIER:
| RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
RNAV (GPS) RWY 36, AMDT 2B
 18 SEPTEMBER 2014

SUP:	
AMDT:	2A
DATED:	05/31/2012

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
	LAL	LAL	010		IF		FB					
	LAL	HUMKI	020		TF		FO	2.0	237.2 (232.2T)	024.3	AA 02700	
	LAL	HUMKI	030	IAF	HF	R	FO		344.1 (339.1T)	004.0	AA 02700	
	SRQ	SRQ	010	IAF	IF		FB					
	SRQ	HUMKI	020		TF		FB	1.0	032.1 (027.1T)	022.2	AA 02700	
		HUMKI	010	FACF	IF		FB				AA 02700	
		JEVOD	020	FAF	TF		FB	0.5	344.1 (339.1T)	006.1	AA 01700	
		CUVYA	030	MAP	TF		FO	0.3	344.1 (339.1T)	004.7	AT 00207	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		344.1 (339.1T)		AA 00408	
	LAL	050		DF	R	FO				AA 02700	
	LAL	060		HM	R	FO		077.0 (072.0T)	004.0	AA 02700	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	LAL	N275910.25	W0820050.01	N2759.171	W08200.834
	SRQ	N272425.26	W0823349.16	N2724.421	W08233.819
	CUVYA	N275415.97	W0822645.55	N2754.266	W08226.759
	HUMKI	N274413.06	W0822226.01	N2744.218	W08222.434
	JEVOD	N274952.82	W0822452.16	N2749.880	W08224.869
	RW36	N275447.42	W0822649.84	N2754.790	W08226.831

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW36	00007	34

CITY AND STATE TAMPA, FL	ELEVATION: 8	TDZE: 8	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 36, AMDT 2B 18 SEPTEMBER 2014	SUP:
	AIRPORT NAME: PETER O KNIGHT				AMDT: 2A
					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: 5.00 MILES AFTER JUDIT INT CLIMB TO 800 THEN CLIMBING RIGHT TURN TO 2000 DIRECT BULLO NDB AND HOLD, OR AS DIRECTED BY ATC. ALTERNATE MA: CLIMB TO 800 THEN CLIMBING RIGHT TURN TO 2000 DIRECT JYL NDB AND HOLD. ADDITIONAL FLIGHT DATA: HOLD SE, RT, 320.06 INBOUND. CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD NE JYL NDB, RT, 243.09 INBOUND. FAS OBST: 389 AAO 322509N/0814040W CHART IN PLANVIEW: JYL NDB. CHART (CFBPB) 322204.89N/0813619.02W	
DOVER INT	BULLO NDB	205.46 / 20.71	2000		
LOTTS INT	BULLO NDB	069.13 / 10.80	3600		
MAYAR INT	BULLO NDB	332.25 / 12.19	2000		
1. PT <u>L</u> SIDE OF COURSE <u>140.06</u> OUTBOUND <u>2000</u> FT WITHIN <u>10</u> MILES OF <u>BULLO NDB</u> (IAF) 2. _____ 3. FAC: <u>320.06</u> FAF: <u>JUDIT INT</u> DIST FAF TO MAP: <u>5.00</u> THLD: <u>5.00</u> 4. MIN. ALT: <u>JUDIT INT 1800</u> 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: <u>858</u> 6. MIN GS INCPT: <u>1800</u> GS ALT AT: <u>JUDIT 1800</u> OM: _____ MM: _____ IM: _____ 7. GS ANGLE: <u>3.00</u> TCH: <u>48.6</u> 8. MSA FROM: <u>BZ NDB 2600</u>				MAG VAR: 5W EPOCH YEAR: 2000	
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 32	433	3/4	254	433	3/4
S-LOC 32	640	3/4	461	640	3/4
CIRCLING	640	1	453	840	1
NOTES: CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO S-ILS 32. CHART NOTE: ADF REQUIRED. CHART PLANVIEW NOTE: ADF REQUIRED. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE SYLVANIA ALTIMETER SETTING AND INCREASE (SEE FORM 8260-10) # CAT B, C 700-2, CAT D 700-2 1/4 @ CAT D 800-2 1/4 # @ NA WHEN LOCAL WEATHER NOT AVAILABLE.					
CITY AND STATE STATESBORO, GA		ELEVATION: 187 TDZE: 179 AIRPORT NAME: STATESBORO-BULLOCH COUNTY		FACILITY IDENTIFIER: I-BZQ	
PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 32, AMDT 3 18 SEPTEMBER 2014		SUP: AMDT: 2 DATED 12/22/2005			

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.): ALL DA 28 FT AND INCREASE ALL MDA 40 FT, INCREASE CIRCLING CAT C VISIBILITY 1/4 MILE. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.				
CITY AND STATE STATESBORO, GA	ELEVATION: 187 AIRPORT NAME: STATESBORO-BULLOCH COUNTY	TDZE: 179	FACILITY IDENTIFIER: I-BZQ	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 32, AMDT 3 18 SEPTEMBER 2014
				SUP:
				AMDT: 2
				DATED: 12/22/2005

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]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KTBRK7FI32	ADOVER	010DOVERK7EA0E		IF					18000		0	NS
SUSAP	KTBRK7FI32	ADOVER	020BZ	K7PN0N	TF				+ 02000			0	NS
SUSAP	KTBRK7FI32	ADOVER	030BZ	K7PN0NE	AR	PI	IBZQK7	1411006009510100PI	+ 02000			0	NS
SUSAP	KTBRK7FI32	ALOTTS	010LOTTSK7EA0E		IF					18000		0	NS
SUSAP	KTBRK7FI32	ALOTTS	020BZ	K7PN0N	TF				+ 03600			0	NS
SUSAP	KTBRK7FI32	ALOTTS	030BZ	K7PN0NE	AR	PI	IBZQK7	1411006009510100PI	+ 02000			0	NS
SUSAP	KTBRK7FI32	AMAYAR	010MAYARK7EA0E		IF					18000		0	NS
SUSAP	KTBRK7FI32	AMAYAR	020BZ	K7PN0N	TF				+ 02000			0	NS
SUSAP	KTBRK7FI32	AMAYAR	030BZ	K7PN0NE	AR	PI	IBZQK7	1411006009510100PI	+ 02000			0	NS
SUSAP	KTBRK7FI32	I	010CFBPK7PC0E	I	IF	IBZQK7	14010101	PI	J	020000180018000		0	NS
SUSAP	KTBRK7FI32	I	020JUDITK7PC0E	F	CF	IBZQK7	1401006132000040PI		H	0180001800	-300BZ	K7PN0	NS
SUSAP	KTBRK7FI32	I	030RW3Z	K7PG0GY	M	CF	IBZQK7	1401001132000050PI		00207	-300		0
SUSAP	KTBRK7FI32	I	040		M	CA		3201	+ 00800			0	NS
SUSAP	KTBRK7FI32	I	050BZ	K7PN0NY	R	DF			+ 02000			0	NS
SUSAP	KTBRK7FI32	I	060BZ	K7PN0NE	R	HM		3201T010	+ 02000			0	NS

[illegible][illegible]

SUP:	
AMDT:	2
DATED:	12/22/2005

FLIGHT STANDARDS SERVICES - FAR PART 97.29

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SUSAP KTBRK7IIBZQ1 011150RW32 N32291611W0814445883201N32283632W0814354071139 08580586300W00504900157

[illegible]

SUSAP KTBK7SBZ K7PN 0 18018002625 M

[illegible]

SUSAPNKTBK7 BZ K7004070H MW N32245534W081395052 W0050 NARBULLO

SUP:	
AMDT:	2
DATED:	12/22/2005

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
	DOVER	DOVER	010		IF		FB					
	DOVER	BZ	020		TF		FB				AA 02000	
	DOVER	BZ	030	IAF	PI	R	FB		095.1 ()	010.0	AA 02000	
	LOTTTS	LOTTTS	010		IF		FB					
	LOTTTS	BZ	020		TF		FB				AA 03600	
	LOTTTS	BZ	030	IAF	PI	R	FB		095.1 ()	010.0	AA 02000	
	MAYAR	MAYAR	010		IF		FB					
	MAYAR	BZ	020		TF		FB				AA 02000	
	MAYAR	BZ	030	IAF	PI	R	FB		095.1 ()	010.0	AA 02000	
		CFBPPB	010	FACF	IF		FB				AA 02000	GI 01800
		JUDIT	020	FAF	CF		FB		320.0 ()	004.0	GI 01800	GS 01800
		RW32	030	MAP	CF		FO		320.0 ()	005.0	AT 00207	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		320.1 ()		AA 00800	
	BZ	050		DF	R	FO				AA 02000	
	BZ	060		HM	R	FO		320.1 ()	T01.0	AA 02000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	DOVER	N324421.45	W0813115.63	N3244.358	W08131.261
	LOTTTS	N322011.64	W0815118.42	N3220.194	W08151.307
	MAYAR	N321438.62	W0813203.96	N3214.644	W08132.066
	CFBPPB	N322204.89	W0813619.02	N3222.082	W08136.317
	JUDIT	N322455.27	W0813939.05	N3224.921	W08139.651
	RW32	N322828.21	W0814349.48	N3228.470	W08143.825
	IBZQ (LOC)	N322916.11	W0814445.88	N3229.269	W08144.765
	BZ	N322455.34	W0813950.52	N3224.922	W08139.842

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW32	00159	49

CITY AND STATE
STATESBORO, GA

ELEVATION: 187 TDZE: 179
AIRPORT NAME:
STATESBORO-BULLOCH COUNTY

FACILITY
IDENTIFIER:
I-BZQ

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
ILS OR LOC RWY 32, AMDT 3
18 SEPTEMBER 2014

SUP:
AMDT: 2
DATED: 12/22/2005

FLIGHT STANDARDS SERVICES - FAR PART 97.25

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[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KTBRK7FL32	ADOVER	010DOVERK7EA0E	IF						18000		0	NS
SUSAP	KTBRK7FL32	ADOVER	020BZ	K7PN0N	TF				+ 02000			0	NS
SUSAP	KTBRK7FL32	ADOVER	030BZ	K7PN0NE	AR	PI	IBZQK7	1411006009510100PI	+ 02000			0	NS
SUSAP	KTBRK7FL32	ALOTTS	010LOTTSK7EA0E	IF						18000		0	NS
SUSAP	KTBRK7FL32	ALOTTS	020BZ	K7PN0N	TF				+ 03600			0	NS
SUSAP	KTBRK7FL32	ALOTTS	030BZ	K7PN0NE	AR	PI	IBZQK7	1411006009510100PI	+ 02000			0	NS
SUSAP	KTBRK7FL32	AMAYAR	010MAYARK7EA0E	IF						18000		0	NS
SUSAP	KTBRK7FL32	AMAYAR	020BZ	K7PN0N	TF				+ 02000			0	NS
SUSAP	KTBRK7FL32	AMAYAR	030BZ	K7PN0NE	AR	PI	IBZQK7	1411006009510100PI	+ 02000			0	NS
SUSAP	KTBRK7FL32	L	010CFBPPBK7PC0E	I	IF	IBZQK7	14010101	PI	+ 02000	18000		0	NS
SUSAP	KTBRK7FL32	L	020JUDITK7PC0E	F	CF	IBZQK7	1401006132000040PI		+ 01800		BZ	K7PN0	NS
SUSAP	KTBRK7FL32	L	030RW32	K7PG0GY	M	CF	IBZQK7	1401001132000050PI	00207		-301		0
SUSAP	KTBRK7FL32	L	040	0	M	CA		3201	+ 00800			0	NS
SUSAP	KTBRK7FL32	L	050BZ	K7PN0NY	R	DF			+ 02000			0	NS
SUSAP	KTBRK7FL32	L	060BZ	K7PN0NE	R	HM		3201T010	+ 02000			0	NS

[illegible][illegible]

SUP:	
AMDT:	2
DATED:	12/22/2005

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

LOC STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - FAR PART 97.25

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

SUSAP KTBK7IIBZQ1 011150RW32 N32291611W0814445883201N32283632W0814354071139 08580586300W00504900157

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

SUSAP KTBK7SBZ	K7PN			0	18018002625							M	

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

SUSAPNKTBRK7 BZ	K7004070H MW	N32245534W081395052						W0050		NARBULLO			

CITY AND STATE
STATESBORO, GAELEVATION: 187 TDZE: 179
AIRPORT NAME:
STATESBORO-BULLOCH COUNTYFACILITY
IDENTIFIER:
I-BZQPROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
ILS OR LOC RWY 32, AMDT 3
18 SEPTEMBER 2014SUP:
AMDT: 2
DATED: 12/22/2005

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
	DOVER	DOVER	010		IF		FB					
	DOVER	BZ	020		TF		FB				AA 02000	
	DOVER	BZ	030	IAF	PI	R	FB		095.1 ()	010.0	AA 02000	
	LOTTTS	LOTTTS	010		IF		FB					
	LOTTTS	BZ	020		TF		FB				AA 03600	
	LOTTTS	BZ	030	IAF	PI	R	FB		095.1 ()	010.0	AA 02000	
	MAYAR	MAYAR	010		IF		FB					
	MAYAR	BZ	020		TF		FB				AA 02000	
	MAYAR	BZ	030	IAF	PI	R	FB		095.1 ()	010.0	AA 02000	
		CFBFB	010	FACF	IF		FB				AA 02000	
		JUDIT	020	FAF	CF		FB		320.0 ()	004.0	AA 01800	
		RW32	030	MAP	CF		FO		320.0 ()	005.0	AT 00207	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		320.1 ()		AA 00800	
	BZ	050		DF	R	FO				AA 02000	
	BZ	060		HM	R	FO		320.1 ()	T01.0	AA 02000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	DOVER	N324421.45	W0813115.63	N3244.358	W08131.261
	LOTTTS	N322011.64	W0815118.42	N3220.194	W08151.307
	MAYAR	N321438.62	W0813203.96	N3214.644	W08132.066
	CFBFB	N322204.89	W0813619.02	N3222.082	W08136.317
	JUDIT	N322455.27	W0813939.05	N3224.921	W08139.651
	RW32	N322828.21	W0814349.48	N3228.470	W08143.825
	IBZQ (LOC)	N322916.11	W0814445.88	N3229.269	W08144.765
	BZ	N322455.34	W0813950.52	N3224.922	W08139.842

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW32	00159	49

CITY AND STATE
STATESBORO, GA

ELEVATION: 187 TDZE: 179
AIRPORT NAME:
STATESBORO-BULLOCH COUNTY

FACILITY
IDENTIFIER:
I-BZQ

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
ILS OR LOC RWY 32, AMDT 3
18 SEPTEMBER 2014

SUP:
AMDT: 2
DATED: 12/22/2005

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.33

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

TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
UCVIK (IAF)	HENUT (NOPT) (FB)	050.08 / 8.00	2600	LPV: DA LNAV/VNAV: DA LNAV: RW32
ZUDGU (IAF)	HENUT (NOPT) (FB)	230.20 / 8.00	2600	
HENUT (IF/IAF)	JUDIT	320.14 / 5.96	1800	
JUDIT (FAF)	ULMUY/2.50 NM TO RW32 (FB)	320.10 / 2.50	2600	CLIMB TO 2600 DIRECT EPEDE AND HOLD.
ULMUY/2.50 NM TO RW32	RW32 (MAP) (FO)	320.10 / 2.50		
RW32 (MAP)	432 MSL	320.10		
432 MSL	EPEDE (FO)			ADDITIONAL FLIGHT DATA: HOLD NW, RT, 139.96 INBOUND. CHART FAS OBST: 304 TREE 322752N/0814407W DISTANCE TO THLD FROM 253 HAT: 0.71 NM. CHART VDP AT 1.11 MILES TO RW32* *LNAV ONLY. WAAS CHANNEL # 81829 REFERENCE PATH ID: W32A CHART CIRCLING ICON LTP HAE: 18.2 M

1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
2. HOLD SE HENUT, RT, 320.14 INBOUND, 2600 FT. IN LIEU OF PT (IAF)
3. FAC: 320.10 FAF: JUDIT DIST FAF TO MAP: 5.00 THLD: 5.00
4. MIN. ALT: HENUT 2600, JUDIT 1800, ULMUY/2.50 NM TO RW32 1000*
5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
6. MIN GS INCPT: 1800 GS ALT AT: JUDIT 1800 OM: MM: IM:
7. GS ANGLE: 3.00 TCH: 48.6 34:1 IS NOT CLEAR
8. MSA FROM:

MAG VAR: 5W

EPOCH YEAR: 2000

MINIMUMS															
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT							ALTERNATE: N A		STANDARD @						
CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	432	3/4	253	432	3/4	253	432	3/4	253	432	3/4	253			
LNAV/VNAV DA	583	1	404	583	1	404	583	1	404	583	1	404			
LNAV MDA	560	3/4	381	560	3/4	381	560	3/4	381	560	3/4	381			
CIRCLING	640	1	453	840	1	653	840	1 3/4	653	860	2 1/4	673			

NOTES:
CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO LPV.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 54C (130F).
CHART NOTE: DME/DME RNP-0.3 NA.
*LNAV ONLY
(SEE FORM 8260-10)

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

CITY AND STATE STATESBORO, GA	ELEVATION: 187 TDZE: 179 AIRPORT NAME: STATESBORO-BULLOCH COUNTY	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 32, AMDT 3 18 SEPTEMBER 2014	SUP:
				AMDT: 2
				DATED 12/22/2005

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 NOT RECEIVED, USE SYLVANIA ALTIMETER SETTING AND INCREASE ALL DAS 28 FT AND ALL MDAS 40 FT, INCREASE LNAV/VNAV VISIBILITY ALL CATS AND LNAV CATS C/D VISIBILITY 1/4 MILE, AND INCREASE CIRCLING CAT C VISIBILITY 1/4 MILE.

CHART NOTE: FOR INOPERATIVE MALSR, INCREASE LNAV CAT A/B VISIBILITY TO 1 MILE, AND CAT C/D VISIBILITY TO 1 1/8 MILES.

CHART NOTE: FOR INOPERATIVE MALSR WHEN USING SYLVANIA ALTIMETER SETTING, INCREASE LNAV CAT A/B VISIBILITY TO 1 MILE.

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

TAA

	FROM	TO	ALT
1.	230/30 CW 050/30 (NOPT)	HENUT (IF/IAF) (FB)	2600
2.	050/30 CW 140/30	UCVIK (IAF) (FB)	2600
3.	140/30 CW 230/30	ZUDGU (IAF) (FB)	2600

CITY AND STATE

STATESBORO, GA

ELEVATION: 187

TDZE: 179

AIRPORT NAME:

STATESBORO-BULLOCH COUNTY

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 32, AMDT 3

18 SEPTEMBER 2014

SUP:

AMDT:

2

DATED:

12/22/2005

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

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

FAS DATA BLOCK INFORMATIONDATA FIELDDATA

OPERATION TYPE 0
SBAS SERVICE PROVIDER IDENTIFIER 0
AIRPORT IDENTIFIER KTBR
RUNWAY RW32
APPROACH PERFORMANCE DESIGNATOR 0
ROUTE INDICATOR 0
REFERENCE PATH DATA SELECTOR W32A
REFERENCE PATH IDENTIFIER (APPROACH ID) 322828.2075N
LTP/FTP LATITUDE 0814349.4780W
LTP/FTP LONGITUDE +00182
LTP/FTP ELLIPSOIDAL HEIGHT 322931.3985N
FPAP LATITUDE 0814503.8895W
FPAP LONGITUDE 00048.6
THRESHOLD CROSSING HEIGHT (TCH) F
TCH UNITS SELECTOR (METERS OR FEET USED) 03.00
GLIDEPATH ANGLE (GPA) 106.75
COURSE WIDTH AT THRESHOLD 1016
LENGTH OFFSET 40.0
HORIZONTAL ALERT LIMIT (HAL) 50.0
VERTICAL ALERT LIMIT (VAL)

CRC REMAINDER

EBD40537

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K7
LTP ORTHOMETRIC HEIGHT +00483
FPAP ORTHOMETRIC HEIGHT +00483

CITY AND STATE

STATESBORO, GA

ELEVATION: 187

TDZE: 179

AIRPORT NAME:

STATESBORO-BULLOCH COUNTY

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 32, AMDT 3

18 SEPTEMBER 2014

SUP:

AMDT:

2

DATED:

12/22/2005

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

[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KTBRK7FR32	AHENUT	010HENUTK7EA0EE	AR	HF		32010040	+	02600	18000		A	JS
SUSAP	KTBRK7FR32	AUCVIK	010UCVIKK7EA0E	A	IF					18000		A	JS
SUSAP	KTBRK7FR32	AUCVIK	020HENUTK7EA0EE	B	010TF		05010080	+	02600			A	JS
SUSAP	KTBRK7FR32	AZUDGU	010ZUDGUK7EA0E	A	IF					18000		A	JS
SUSAP	KTBRK7FR32	AZUDGU	020HENUTK7EA0EE	B	010TF		23020080	+	02600			A	JS
SUSAP	KTBRK7FR32	R	010HENUTK7EA0E	I	IF			+	02600	18000		A	JS
SUSAP	KTBRK7FR32	R	020JUDITK7EA1E	F	051TF		32010060	+	01800			A	JS
SUSAP	KTBRK7FR32	R	020JUDITK7EA2WALPV		ALNAV/VNAV	ALNAV							JS
SUSAP	KTBRK7FR32	R	021ULMUYK7EA0E	S	031TF		32010025	V	0100001003		-300	A	JS
SUSAP	KTBRK7FR32	R	030RW32	K7PGOGY	M	031TF	32010025		00207		-300	A	JS
SUSAP	KTBRK7FR32	R	040		M	CA	3201	+	00432			A	JS
SUSAP	KTBRK7FR32	R	050EPEDEK7EA0EY		DF			+	02600			A	JS
SUSAP	KTBRK7FR32	R	060EPEDEK7EA0EE	R	HM		14000040	+	02600			A	JS

[illegible][illegible]

CITY AND STATE STATESBORO, GA	ELEVATION: 187 AIRPORT NAME: STATESBORO-BULLOCH COUNTY	TDZE: 179	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 32, AMDT 3 18 SEPTEMBER 2014	SUP:
					AMDT: 2
					DATED: 12/22/2005

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

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

ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	HENUT	HENUT	010	IAF	HF	R	FO		320.1(315.1T)	004.0	AA 02600	
	UCVIK	UCVIK	010	IAF	IF		FB					
	UCVIK	HENUT	020		TF		FB	1.0	050.1(045.1T)	008.0	AA 02600	
	ZUDGU	ZUDGU	010	IAF	IF		FB					
	ZUDGU	HENUT	020		TF		FB	1.0	230.2(225.2T)	008.0	AA 02600	
		HENUT	010	FACF	IF		FB				AA 02600	
		JUDIT	020	FAF	TF		FB	0.5	320.1(315.1T)	006.0	AA 01800	
		ULMUY	021	SDF	TF		FB	0.3	320.1(315.1T)	002.5	AA 01000	GS 01003
		RW32	030	MAP	TF		FO	0.3	320.1(315.1T)	002.5	AT 00207	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		320.1(315.1T)		AA 00432	
	EPEDE	050		DF		FO				AA 02600	
	EPEDE	060		HM	R	FO		140.0(135.0T)	004.0	AA 02600	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	EPEDE	N323738.32	W0815438.81	N3237.639	W08154.647
	HENUT	N322041.36	W0813441.08	N3220.689	W08134.685
	JUDIT	N322455.27	W0813939.05	N3224.921	W08139.651
	UCVIK	N321501.92	W0814122.30	N3215.032	W08141.372
	ULMUY	N322641.81	W0814144.25	N3226.697	W08141.738
	ZUDGU	N322620.45	W0812759.03	N3226.341	W08127.984
	RW32	N322828.21	W0814349.48	N3228.470	W08143.825

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW32	00159	49

CITY AND STATE STATESBORO, GA	ELEVATION: 187	TDZE: 179	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 32, AMDT 3 18 SEPTEMBER 2014	SUP:
	AIRPORT NAME: STATESBORO-BULLOCH COUNTY				AMDT: 2
					DATED: 12/22/2005

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: 4.83 MILES AFTER GLAWE INT					
PMM VOR/DME (IAF)		JAKES INT (NOPT)		028.69 / 25.91 (VIO LR-280)				2700		CLIMB TO 1300 THEN CLIMBING RIGHT TURN TO 3000 DIRECT VIO VOR/DME AND HOLD, OR AS DIRECTED BY ATC. ALTERNATE MA: CLIMB TO 3000 DIRECT KNOBS LOM AND HOLD. (ADF REQUIRED). ADDITIONAL FLIGHT DATA: HOLD SW, RT, 058.66 INBOUND. FAS OBST: 979 AAO 425234N/0853714W CHART ASR. CHART IN PLANVIEW: KNOBS LOM. CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD E KNOBS LOM, 265.00 INBOUND.					
JAKES INT (IF/IAF)		GLAWE INT		085.29 / 7.71 (I-CYZ)				2400							
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)										MAG VAR: 4W EPOCH YEAR: 1985					
2. HOLD W JAKES, RT, 085.29 INBOUND, 2700 FT. IN LIEU OF PT (IAF)															
3. FAC: 085.29 FAF: GLAWE INT DIST FAF TO MAP: 4.83 THLD: 4.83															
4. MIN. ALT: JAKES INT 2700, GLAWE INT 2400															
5. DIST TO THLD FROM OM: _____ - _____ MM: _____ - _____ IM: _____ - 150 HAT: _____ - 100 HAT: _____ - GS ANT: 947															
6. MIN GS INCPT: 2400 GS ALT AT: GLAWE INT 2400 OM: _____ - _____ MM: _____ - _____ IM: _____ -															
7. GS ANGLE: 3.00 TCH: 51.2															
8. MSA FROM: VIO VOR/DME 320-100 2400, 100-320 3000															
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 08R*	994	2400	200	994	2400	200	994	2400	200	994	2400	200			
S-LOC 08R	1240	2400	446	1240	2400	446	1240	4500	446	1240	4500	446			
CIRCLING	1280	1	486	1280	1	486	1280	1 1/2	486	1360	2	566			
NOTES: CHART NOTE: *RVR 1800 AUTHORIZED WITH THE USE OF FD OR AP OR HUD TO DA. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE HOLLAND ALTIMETER SETTING AND INCREASE ALL DA 76 FEET AND ALL MDA 80 FEET, INCREASE S-LOC 8R CAT C/D VISIBILITY TO RVR 5500. (SEE FORM 8260-10)															
CITY AND STATE GRAND RAPIDS, MI		ELEVATION: 794 TDZE: 794 AIRPORT NAME: GERALD R. FORD INTL		FACILITY IDENTIFIER: I-CYZ		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 8R, AMDT 6A 18 SEPTEMBER 2014						SUP: AMDT: 6 DATED 07/02/2009			



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 PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT PMM VOR/DME ON AIRWAY RADIALS 004 CW 076.

CHART NOTE: FOR INOPERATIVE MALSR WHEN USING HOLLAND ALTIMETER SETTING, INCREASE S-ILS 8R ALL CATS VISIBILITY TO RVR 4500.



CITY AND STATE GRAND RAPIDS, MI	ELEVATION: 794 AIRPORT NAME: GERALD R. FORD INTL	TDZE: 794	FACILITY IDENTIFIER: I-CYZ	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 8R, AMDT 6A 18 SEPTEMBER 2014	SUP:
					AMDT: 6
					DATED: 07/02/2009

FLIGHT STANDARDS SERVICES - FAR PART 97.29

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

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3	
SUSAP	KGRRK5FI08R	AJAKES	010JAKESK5EA0EE	AR	HF	VIO	K5	287701480853T010D	+	02700	18000	0	NS	
SUSAP	KGRRK5FI08R	APMM	010PMM	K5D 0V	A	FC	PMM	K5	0000000002870239D	+	02700	18000	0	NS
SUSAP	KGRRK5FI08R	APMM	020JAKESK5EA0EE	B	CF	ICYZK5		2653014402870020PI	+	02700		0	NS	
SUSAP	KGRRK5FI08R	I	010JAKESK5EA0E	I	IF	ICYZK5		26530144	J	027000240018000		0	NS	
SUSAP	KGRRK5FI08R	I	020GLAWEK5PC0E	F	CF	ICYZK5		2653006608500077PI	H	0240002400	-300VIO	K5D	0	NS
SUSAP	KGRRK5FI08R	I	030RW08RK5PG0GY	M	CF	ICYZK5		2653001808500048PI		00843	-300		0	NS
SUSAP	KGRRK5FI08R	I	040	0	M	CA		0853	+	01300			0	NS
SUSAP	KGRRK5FI08R	I	050VIO	K5D	0VY	DF			+	03000			0	NS
SUSAP	KGRRK5FI08R	I	060VIO	K5D	0VE	R	HM	0587T010	+	03000			0	NS

[illegible][illegible]

ELEVATION: 794	TDZE: 794
AIRPORT NAME: GERALD R. FORD INTL	

18 SEPTEMBER 2014

AMDT: 6

DATED: 07/02/2009

FLIGHT STANDARDS SERVICES - FAR PART 97.29

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

[illegible]

SUP:	
AMDT:	6
DATED:	07/02/2009

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.				
ILS STANDARD INSTRUMENT APPROACH PROCEDURE												
FLIGHT STANDARDS SERVICES - FAR PART 97.29												
ARINC SUMMARY - 424-18 - ILS												
ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	JAKES	JAKES	010	IAF	HF	R	FO		085.3 ()	T01.0	AA 02700	
	PMM	PMM	010	IAF	FC		FB		028.7 ()	023.9	AA 02700	
	PMM	JAKES	020		CF		FB		028.7 ()	002.0	AA 02700	
		JAKES	010	FACF	IF		FB				AA 02700	GI 02400
		GLAWE	020	FAF	CF		FB		085.0 ()	007.7	GI 02400	GS 02400
		RW08R	030	MAP	CF		FO		085.0 ()	004.8	AT 00843	
MISSED APPROACH		FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
			040		CA		FB		085.3 ()		AA 01300	
		VIO	050		DF		FO				AA 03000	
		VIO	060		HM	R	FO		058.7 ()	T01.0	AA 03000	
POINT DATA		WAYPOINT		LAT IN SECS		LONG IN SECS		LAT IN MINS		LONG IN MINS		
		PMM		N422757.73		W0860617.32		N4227.962		W08606.289		
		VIO		N424712.18		W0852949.45		N4247.203		W08529.824		
		JAKES		N425040.71		W0854922.79		N4250.679		W08549.380		
		GLAWE		N425151.84		W0853901.06		N4251.864		W08539.018		
		RW08R		N425235.88		W0853231.88		N4252.598		W08532.531		
		ICYZ (LOC)		N425252.35		W0853005.43		N4252.873		W08530.091		
RUNWAY DATA				THRESHOLD								
		RWY		ELEVATION		TCH						
		RW08R	00791			51						

CITY AND STATE GRAND RAPIDS, MI	ELEVATION: 794	TDZE: 794	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME:			ILS OR LOC RWY 8R, AMDT 6A	AMDT: 6
	GERALD R. FORD INTL	I-CYZ	18 SEPTEMBER 2014	DATED: 07/02/2009	

FLIGHT STANDARDS SERVICES - FAR PART 97.25

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

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3		
SUSAP	KGRRK5FL08R	AJAKES	010JAKESK5EA0EE	AR	HF	VIO	K5	287701480853T010D	+	02700	18000	0	NS		
SUSAP	KGRRK5FL08R	APMM	010PMM	K5D 0V	A	FC	PMM	K5	0000000002870239D	+	02700	18000	0	NS	
SUSAP	KGRRK5FL08R	APMM	020JAKESK5EA0EE	B	CF	ICYZK5		2653014402870020PI	+	02700		0	NS		
SUSAP	KGRRK5FL08R	L	010JAKESK5EA0E	I	IF	ICYZK5		26530144	PI	+	02700	18000	0	NS	
SUSAP	KGRRK5FL08R	L	020GLAWEK5PC0E	F	CF	ICYZK5		2653006608500077PI	+	02400		VIO	K5D	0	NS
SUSAP	KGRRK5FL08R	L	030RW08RK5PG0GY	M	CF	ICYZK5		2653001808500048PI		00843	-305		0	NS	
SUSAP	KGRRK5FL08R	L	040	0	M	CA		0853	+	01300		0	NS		
SUSAP	KGRRK5FL08R	L	050VIO	K5D	0VY	DF			+	03000		0	NS		
SUSAP	KGRRK5FL08R	L	060VIO	K5D	0VE	R	HM	0587T010	+	03000		0	NS		

[illegible][illegible]

ELEVATION: 794	TDZE: 794
AIRPORT NAME: GERALD R. FORD INTL	

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
ILS OR LOC RWY 8R, AMDT 6A
 18 SEPTEMBER 2014

AMDT: 6

DATED: 07/02/2009

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:	6
DATED:	07/02/2009

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.				
LOC STANDARD INSTRUMENT APPROACH PROCEDURE												
FLIGHT STANDARDS SERVICES - FAR PART 97.25												
ARINC SUMMARY - 424-18 - LOC												
ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	JAKES	JAKES	010	IAF	HF	R	FO		085.3 ()	T01.0	AA 02700	
	PMM	PMM	010	IAF	FC		FB		028.7 ()	023.9	AA 02700	
	PMM	JAKES	020		CF		FB		028.7 ()	002.0	AA 02700	
		JAKES	010	FACF	IF		FB				AA 02700	
		GLAWE	020	FAF	CF		FB		085.0 ()	007.7	AA 02400	
		RW08R	030	MAP	CF		FO		085.0 ()	004.8	AT 00843	
MISSED APPROACH		FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
			040		CA		FB		085.3 ()		AA 01300	
		VIO	050		DF		FO				AA 03000	
		VIO	060		HM	R	FO		058.7 ()	T01.0	AA 03000	
POINT DATA		WAYPOINT	LAT IN SECS		LONG IN SECS		LAT IN MINS		LONG IN MINS			
		PMM	N422757.73		W0860617.32		N4227.962		W08606.289			
		VIO	N424712.18		W0852949.45		N4247.203		W08529.824			
		JAKES	N425040.71		W0854922.79		N4250.679		W08549.380			
		GLAWE	N425151.84		W0853901.06		N4251.864		W08539.018			
		RW08R	N425235.88		W0853231.88		N4252.598		W08532.531			
		ICYZ (LOC)	N425252.35		W0853005.43		N4252.873		W08530.091			
RUNWAY DATA			THRESHOLD									
		RWY	ELEVATION		TCH							
		RW08R	00791		51							
CITY AND STATE		ELEVATION: 794		TDZE: 794		FACILITY IDENTIFIER:		PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:			SUP:	
GRAND RAPIDS, MI		AIRPORT NAME:		GERALD R. FORD INTL		I-CYZ		ILS OR LOC RWY 8R, AMDT 6A			AMDT: 6	
								18 SEPTEMBER 2014			DATED: 07/02/2009	



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: 5.66 MILES AFTER KNOBS LOM/INT/RADAR					
VIO VOR/DME		KNOBS LOM/INT/RADAR		042.64 / 8.37				2700		CLIMB TO 1300 THEN CLIMBING LEFT TURN TO 3000 DIRECT VIO VOR/DME AND HOLD, OR AS DIRECTED BY ATC. ALTERNATE MA: CLIMB TO 1300 THEN CLIMBING RIGHT TURN TO 3000 DIRECT KNOBS LOM/INT/RADAR AND HOLD. (ADF REQUIRED).					
										ADDITIONAL FLIGHT DATA: HOLD SW, RT, 058.66 INBOUND. CHART FAS OBST: 850 TREE 425303N/0852933W FAS OBST: 1109 AAO 425311N/0852332W CHART: ASR. CHART IN PLANVIEW: ALTERNATE MA HOLDING: HOLD E KNOBS LOM, RT, 265.00 INBOUND. CHART IN PLANVIEW: (CFBZJ) AT 425435.34N/0851438.03W.					
1. PT <u>L</u> SIDE OF COURSE <u>085.32</u> OUTBOUND <u>2700</u> FT WITHIN <u>10</u> MILES OF <u>KNOBS LOM/INT/RADAR</u> (IAF)										MAG VAR: 4W EPOCH YEAR: 1985					
2.															
3. FAC: <u>265.32</u> FAF: <u>KNOBS LOM/INT/RADAR</u> DIST FAF TO MAP: <u>5.66</u> THLD: <u>5.66</u>															
4. MIN. ALT: <u>KNOBS LOM 2700, GLGHR INT 1360*</u>															
5. DIST TO THLD FROM OM: <u>5.66</u> MM: <u>-</u> IM: <u>-</u> 150 HAT: <u>-</u> 100 HAT: <u>-</u> GS ANT: <u>1049</u>															
6. MIN GS INCPT: <u>2700</u> GS ALT AT: <u>-</u> OM: <u>2677</u> MM: <u>-</u> IM: <u>-</u>															
7. GS ANGLE: <u>3.00</u> TCH: <u>55.4</u>															
8. MSA FROM: GR LOM 100-320 3000, 320-100 2500															
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 26L**	990	2400	200	990	2400	200	990	2400	200	990	2400	200			
S-LOC 26L	1360	2400	570	1360	2400	570	1360	5000	570	1360	6000	570			
CIRCLING	1360	1	566	1360	1	566	1360	1 1/2	566	1360	2	566			
GLGHR INT MINIMUMS (DUAL VOR RECEIVERS REQUIRED)															
S-LOC 26L	1120	2400	330	1120	2400	330	1120	2400	330	1120	4000	330			
CIRCLING	1280	1	486	1280	1	486	1280	1 1/2	486	1360	2	566			
NOTES: CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT. *LOC ONLY *1440 WHEN USING HOLLAND ALTIMETER SETTING. CHART NOTE: **RVR 1800 AUTHORIZED WITH THE USE OF FD OR AP OR HUD TO DA. (SEE FORM 8260-10)															
CITY AND STATE GRAND RAPIDS, MI		ELEVATION: 794 TDZE: 790 AIRPORT NAME: GERALD R. FORD INTL		FACILITY IDENTIFIER: I-GRR		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 26L, AMDT 21A 18 SEPTEMBER 2014						SUP: AMDT: 21 DATED 07/02/2009			



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

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NOTES, (CONT.):

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE HOLLAND ALTIMETER SETTING AND INCREASE ALL DA 76 FEET AND ALL MDA 80 FEET, INCREASE S-LOC 26L CAT C VISIBILITY TO RVR 6000, CAT D TO 1 1/2 MILES, CIRCLING CAT C TO 1 3/4 MILES, GLGHR INT MINIMUMS S-LOC 26L CAT C TO RVR 4000.

CHART NOTE: FOR INOPERATIVE MALSR WHEN USING GLGHR INT MINIMUMS, INCREASE S-LOC 26L CAT D VISIBILITY TO RVR 5000.

CHART NOTE: FOR INOPERATIVE MALSR WHEN USING HOLLAND ALTIMETER SETTING, INCREASE S-ILS 26L ALL CATS VISIBILITY TO RVR 5000.



CITY AND STATE
GRAND RAPIDS, MI

ELEVATION: 794 TDZE: 790
AIRPORT NAME:
GERALD R. FORD INTL

FACILITY
IDENTIFIER:
I-GRR

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
ILS OR LOC RWY 26L, AMDT 21A
18 SEPTEMBER 2014

SUP:
AMDT: 21
DATED: 07/02/2009

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 PACKET - 424-18 - ILS																																																																																																																																																																																	
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<table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:10%;"></td> <td style="width:10%; text-align: center;">1</td> <td style="width:10%; text-align: center;">2</td> <td style="width:10%; text-align: center;">3</td> <td style="width:10%; text-align: center;">4</td> <td style="width:10%; text-align: center;">5</td> <td style="width:10%; text-align: center;">6</td> <td style="width:10%; text-align: center;">7</td> <td style="width:10%; text-align: center;">8</td> <td style="width:10%; text-align: center;">9</td> <td style="width:10%; text-align: center;">0</td> <td style="width:10%; text-align: center;">1</td> <td style="width:10%; text-align: center;">2</td> <td style="width:10%; text-align: center;">3</td> </tr> <tr> <td>RUNWAY</td> <td>12345678901</td> <td>2345678901</td> <td>2345678901</td> <td>2345678901</td> <td>2345678901</td> <td>2345678901</td> <td>2345678901</td> <td>2345678901</td> <td>2345678901</td> <td>2345678901</td> <td>2345678901</td> <td>2345678901</td> <td>2345678901</td> </tr> <tr> <td colspan="14">-----</td> </tr> <tr> <td>SUSAP</td> <td>KGRRK5GRW26L</td> <td colspan="4">0100002653 N42525081W085301912+0000</td> <td colspan="8">+0206900789000055150IIGRR1</td> </tr> </table>											1	2	3	4	5	6	7	8	9	0	1	2	3	RUNWAY	12345678901	2345678901	2345678901	2345678901	2345678901	2345678901	2345678901	2345678901	2345678901	2345678901	2345678901	2345678901	2345678901	-----														SUSAP	KGRRK5GRW26L	0100002653 N42525081W085301912+0000				+0206900789000055150IIGRR1																																																																																																																							
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CITY AND STATE GRAND RAPIDS, MI	ELEVATION: 794 TDZE: 790 AIRPORT NAME: GERALD R. FORD INTL	FACILITY IDENTIFIER: I-GRR	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: ILS OR LOC RWY 26L, AMDT 21A 18 SEPTEMBER 2014	SUP: AMDT: 21 DATED: 07/02/2009
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FLIGHT STANDARDS SERVICES - FAR PART 97.29

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

[illegible]

SUP:	
AMDT:	21
DATED:	07/02/2009

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.				
ILS STANDARD INSTRUMENT APPROACH PROCEDURE												
FLIGHT STANDARDS SERVICES - FAR PART 97.29												
ARINC SUMMARY - 424-18 - ILS												
ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	VIO	VIO	010		IF		FB					
	VIO	KNOBS	020		TF		FB				AA 02700	
	VIO	KNOBS	030	IAF	PI	R	FB		040.3 ()	010.0	AA 02700	
		CFBZJ	010	FACF	IF		FB				AA 02700	GI 02700
		KNOBS	020	FAF	CF		FB		265.0 ()	006.0	GI 02700	GS 02677
		RW26L	030	MAP	CF		FO		265.0 ()	005.7	AT 00845	
MISSED APPROACH		FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
			040		CA		FB		265.3 ()		AA 01300	
		VIO	050		DF	L	FO				AA 03000	
		VIO	060		HM	R	FO		058.7 ()	T01.0	AA 03000	
POINT DATA		WAYPOINT	LAT IN SECS		LONG IN SECS		LAT IN MINS		LONG IN MINS			
		VIO	N424712.18		W0852949.45		N4247.203		W08529.824			
		CFBZJ	N425435.34		W0851438.03		N4254.589		W08514.634			
		KNOBS	N425341.83		W0852242.36		N4253.697		W08522.706			
		RW26L	N425250.81		W0853019.12		N4252.847		W08530.319			
		IGRR (LOC)	N425234.37		W0853245.29		N4252.573		W08532.755			
		GR	N425344.30		W0852242.87		N4253.738		W08522.715			
RUNWAY DATA			THRESHOLD									
		RWY	ELEVATION		TCH							
		RW26L	00789		55							

CITY AND STATE GRAND RAPIDS, MI	ELEVATION: 794	TDZE: 790	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME: GERALD R. FORD INTL		I-GRR	ILS OR LOC RWY 26L, AMDT 21A 18 SEPTEMBER 2014	AMDT: 21
					DATED: 07/02/2009

FLIGHT STANDARDS SERVICES - FAR PART 97.25

ARINC PACKET - 424-18 - LOC

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Pages 12

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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
	VIO	VIO	010		IF		FB					
	VIO	KNOBS	020		TF		FB				AA 02700	
	VIO	KNOBS	030	IAF	PI	R	FB		040.3 ()	010.0	AA 02700	
		CFBZJ	010	FACF	IF		FB				AA 02700	
		KNOBS	020	FAF	CF		FB		265.0 ()	006.0	AA 02700	
		GLGHR	021	SDF	CF		FB		265.0 ()	004.0	AA 01360	
		RW26L	030	MAP	CF		FO		265.0 ()	001.6	AT 00845	
MISSED APPROACH		FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
			040		CA		FB		265.3 ()		AA 01300	
		VIO	050		DF	L	FO				AA 03000	
		VIO	060		HM	R	FO		058.7 ()	T01.0	AA 03000	
POINT DATA		WAYPOINT	LAT IN SECS		LONG IN SECS		LAT IN MINS		LONG IN MINS			
		VIO	N424712.18		W0852949.45		N4247.203		W08529.824			
		CFBZJ	N425435.34		W0851438.03		N4254.589		W08514.634			
		GLGHR	N425305.34		W0852808.60		N4253.089		W08528.143			
		KNOBS	N425341.83		W0852242.36		N4253.697		W08522.706			
		RW26L	N425250.81		W0853019.12		N4252.847		W08530.319			
		IGRR (LOC)	N425234.37		W0853245.29		N4252.573		W08532.755			
		GR	N425344.30		W0852242.87		N4253.738		W08522.715			
RUNWAY DATA		RWY	THRESHOLD ELEVATION		TCH							
		RW26L	00789		55							

CITY AND STATE GRAND RAPIDS, MI	ELEVATION: 794	TDZE: 790	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME: GERALD R. FORD INTL		I-GRR	ILS OR LOC RWY 26L, AMDT 21A 18 SEPTEMBER 2014	AMDT: 21
					DATED: 07/02/2009

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: 4.85 MILES AFTER CALDO OM/RADAR OR AT 4.85 DME FIX CLIMB TO 1300 THEN CLIMBING LEFT TURN TO 3000 ON VIO VOR/DME R-353 TO WALKS INT/13.66 DME AND HOLD, OR AS DIRECTED BY ATC. ALTERNATE MA: CLIMB TO 1300 THEN CLIMBING RIGHT TURN TO 3000 DIRECT KNOBS LOM AND HOLD. (ADF REQUIRED). ADDITIONAL FLIGHT DATA: HOLD N, LT, 172.58 INBOUND. CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD E KNOBS LOM, RT, 265.00 INBOUND. CHART FAS OBST: 929 TREE 425110N/0853038W CHART 978 T-L TOWER 424910N/0852945W. CHART 1082 TOWER 424531N/0853027W. CHART IN PLANVIEW: KNOBS LOM. CHART IN PROFILE VIEW: VIO VOR/DME. CHART: ASR.							
VIO VOR/DME		SKWID/VIO 6.40 DME		175.65 / 6.40				3000									
SKWID/VIO 6.40 DME (IF/IAF)		CALDO OM/RADAR		355.31 / 6.40 (I-DVS)				2500									
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. HOLD S SKWID, RT, 355.31 INBOUND, 3000 FT. IN LIEU OF PT (IAF) 3. FAC: <u>355.31</u> FAF: CALDO OM/RADAR DIST FAF TO MAP: <u>4.85</u> THLD: <u>4.85</u> 4. MIN. ALT: SKWID 3000, CALDO OM 2500, LMBAW INT/2.85 DME 1480* 5. DIST TO THLD FROM OM: <u>4.85</u> MM: <u>-</u> IM: <u>-</u> 150 HAT: <u>-</u> 100 HAT: <u>-</u> GS ANT: <u>1049</u> 6. MIN GS INCPT: <u>2500</u> GS ALT AT: <u>-</u> OM: <u>2412</u> MM: <u>-</u> IM: <u>-</u> 7. GS ANGLE: <u>3.00</u> TCH: <u>55.4</u> 8. MSA FROM: VIO VOR/DME 320-100 2400, 100-320 3000										MAG VAR: 4W		EPOCH YEAR: 1985					
MINIMUMS																	
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT								ALTERNATE: N A		ILS: #		LOC: STANDARD @					
CATEGORY >>>>>		A		B		C		D		E		F		G			
	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 35**	990	2400	200	990	2400	200	990	2400	200	990	2400	200					
S-LOC 35	1480	2400	690	1480	2400	690	1480	1 1/2	690	1480	1 1/2	690					
CIRCLING	1480	1	686	1480	1	686	1480	2	686	1480	2 1/4	686					
LMBAW FIX MINIMUMS (DUAL VOR RECEIVERS OR DME REQUIRED)																	
S-LOC 35	1180	2400	390	1180	2400	390	1180	3500	390	1180	3500	390					
CIRCLING	1260	1	466	1260	1	466	1260	1 1/2	466	1360	2	566					
NOTES: CHART PLANVIEW NOTE: DME OR RADAR REQUIRED. CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT. *LOC ONLY CHART NOTE: **RVR 1800 AUTHORIZED WITH THE USE OF FD OR AP OR HUD TO DA. (SEE FORM 8260-10)																	
CITY AND STATE				ELEVATION: 794 TDZE: 790				FACILITY IDENTIFIER: I-DVS				PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:	
GRAND RAPIDS, MI				AIRPORT NAME: GERALD R. FORD INTL				ILS OR LOC RWY 35, AMDT 1B 18 SEPTEMBER 2014				AMDT: 1A					
												DATED 02/10/2011					



**ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.29**

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

NOTES, (CONT.):

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE HOLLAND ALTIMETER SETTING AND INCREASE

**ALL DA 76 FEET AND ALL MDA 80 FEET. INCREASE S-LOC 35 CAT B VISIBILITY TO RVR 4000 AND CAT C/D
VISIBILITY 1/4 MILE. INCREASE CATS C/D CIRCLING VISIBILITY 1/4 MILE. LMBAW INT MINIMUMS: INCREASE
S-LOC 35 CAT C/D VISIBILITY TO RVR 5000.**

**CHART NOTE: FOR INOPERATIVE MALSR WHEN USING HOLLAND ALTIMETER SETTING, INCREASE S-ILS 35 ALL CATS
VISIBILITY TO RVR 4500. INCREASE S-LOC 35 CATS C/D VISIBILITY TO 2 1/2 MILE. LMBAW INT MINIMUM:
INCREASE S-LOC 35 CATS C/D VISIBILITY TO 1 3/8 MILE.**



CITY AND STATE

GRAND RAPIDS, MI

ELEVATION: 794

TDZE: 790

AIRPORT NAME:

GERALD R. FORD INTL

FACILITY
IDENTIFIER:

I-DVS

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

ILS OR LOC RWY 35, AMDT 1B

18 SEPTEMBER 2014

SUP:

AMDT: 1A

DATED: 02/10/2011

FLIGHT STANDARDS SERVICES - FAR PART 97.29

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

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

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KGRRK5FI35	AVIO	010VIO	K5D 0V	IF					18000		0	NS
SUSAP	KGRRK5FI35	AVIO	020SKWIDK5PC0EY	TF				+	03000			0	NS
SUSAP	KGRRK5FI35	AVIO	030SKWIDK5PC0EE	AR	HF	VIO	K5		03000			0	NS
SUSAP	KGRRK5FI35	I	010SKWIDK5PC0E	I	IF	IDVSK5	17530128	PI	J	030000250018000		0	NS
SUSAP	KGRRK5FI35	I	020CALDOK5PC0E	F	CF	IDVSK5	1753006535500064PI	H	0250002412		-300VIO	K5D	0 NS
SUSAP	KGRRK5FI35	I	030RW35	K5PG0GY	M	CF	IDVSK5	1753001635500049PI		00845		-300	0 NS
SUSAP	KGRRK5FI35	I	040		0	M	CA		3553	+	01300		0 NS
SUSAP	KGRRK5FI35	I	050WALKSK5EA0EY		CF	VIO	K5	3526013735260080D	+	03000			0 NS
SUSAP	KGRRK5FI35	I	060WALKSK5EA0EE	L	HM			1726T010	+	03000			0 NS

[illegible][illegible]

SUP:	
AMDT:	1B
DATED:	02/10/2011

FLIGHT STANDARDS SERVICES - FAR PART 97.29

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

MSA	1	2	3	4	5	6	7	8	9	0	1	2	3
	1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
	SUSAP KGRRK5SVIO K5D 0 1402800242528014003025 M												

SUP:	
AMDT:	1B
DATED:	02/10/2011

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.				
ILS STANDARD INSTRUMENT APPROACH PROCEDURE												
FLIGHT STANDARDS SERVICES - FAR PART 97.29												
ARINC SUMMARY - 424-18 - ILS												
ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	VIO	VIO	010		IF		FB					
	VIO	SKWID	020		TF		FO				AA 03000	
	VIO	SKWID	030	IAF	HF	R	FO		355.3 ()	T01.0	AA 03000	
		SKWID	010	FACF	IF		FB				AA 03000	GI 02500
		CALDO	020	FAF	CF		FB		355.0 ()	006.4	GI 02500	GS 02412
		RW35	030	MAP	CF		FO		355.0 ()	004.9	AT 00845	
MISSED APPROACH		FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
			040		CA		FB		355.3 ()		AA 01300	
		WALKS	050		CF		FO		352.6 ()	008.0	AA 03000	
		WALKS	060		HM	L	FO		172.6 ()	T01.0	AA 03000	
POINT DATA		WAYPOINT	LAT IN SECS		LONG IN SECS		LAT IN MINS		LONG IN MINS			
		VIO	N424712.18		W0852949.45		N4247.203		W08529.824			
		WALKS	N430035.55		W0853330.66		N4300.593		W08533.511			
		CALDO	N424711.30		W0852952.31		N4247.188		W08529.872			
		SKWID	N424051.85		W0852833.80		N4240.864		W08528.563			
		RW35	N425159.31		W0853052.07		N4251.989		W08530.868			
		IDVS (LOC)	N425334.03		W0853111.76		N4253.567		W08531.196			
RUNWAY DATA			THRESHOLD									
		RWY	ELEVATION		TCH							
		RW35	00789		55							
CITY AND STATE		ELEVATION: 794		TDZE: 790		FACILITY IDENTIFIER:		PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:			SUP:	
GRAND RAPIDS, MI		AIRPORT NAME:		GERALD R. FORD INTL		I-DVS		ILS OR LOC RWY 35, AMDT 1B			AMDT: 1B	
								18 SEPTEMBER 2014			DATED: 02/10/2011	

FLIGHT STANDARDS SERVICES - FAR PART 97.25

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

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

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3		
SUSAP	KGRRK5FL35	AVIO	010VIO	K5D 0V	IF					18000		0	NS		
SUSAP	KGRRK5FL35	AVIO	020SKWIDK5PC0EY	TF				+	03000			0	NS		
SUSAP	KGRRK5FL35	AVIO	030SKWIDK5PC0EE	AR	HF	VIO	K5	175700643553T010D	+	03000		0	NS		
SUSAP	KGRRK5FL35	L	010SKWIDK5PC0E	I	IF	IDVSK5		17530128	PI	+	03000	18000	0	NS	
SUSAP	KGRRK5FL35	L	020CALDOK5PC0E	F	CF	IDVSK5		1753006535500064PI	+	02500		VIO	K5D	0	NS
SUSAP	KGRRK5FL35	L	021LMBAWK5PC0E	S	CF	IDVSK5		1753003635500029PI	+	01480		-322		0	NS
SUSAP	KGRRK5FL35	L	030RW35	K5PG0GY	M	CF	IDVSK5	1753001635500020PI		00845		-322		0	NS
SUSAP	KGRRK5FL35	L	040		0	M	CA			3553	+	01300		0	NS
SUSAP	KGRRK5FL35	L	050WALKSK5EA0EY		CF	VIO	K5	3526013735260080D	+	03000				0	NS
SUSAP	KGRRK5FL35	L	060WALKSK5EA0EE	L	HM			1726T010	+	03000				0	NS

[illegible][illegible]

SUP:	
AMDT:	1A
DATED:	02/10/2011

FLIGHT STANDARDS SERVICES - FAR PART 97.25

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

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

SUP:	
AMDT:	1A
DATED:	02/10/2011

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION LOC STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICES - FAR PART 97.25								Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.				
ARINC SUMMARY - 424-18 - LOC												
ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	VIO	VIO	010		IF		FB					
	VIO	SKWID	020		TF		FO				AA 03000	
	VIO	SKWID	030	IAF	HF	R	FO		355.3 ()	T01.0	AA 03000	
		SKWID	010	FACF	IF		FB				AA 03000	
		CALDO	020	FAF	CF		FB		355.0 ()	006.4	AA 02500	
		LMBAW	021	SDF	CF		FB		355.0 ()	002.9	AA 01480	
		RW35	030	MAP	CF		FO		355.0 ()	002.0	AT 00845	
MISSED APPROACH		FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
			040		CA		FB		355.3 ()		AA 01300	
		WALKS	050		CF		FO		352.6 ()	008.0	AA 03000	
		WALKS	060		HM	L	FO		172.6 ()	T01.0	AA 03000	
POINT DATA		WAYPOINT	LAT IN SECS		LONG IN SECS		LAT IN MINS		LONG IN MINS			
		VIO	N424712.18		W0852949.45		N4247.203		W08529.824			
		WALKS	N430035.55		W0853330.66		N4300.593		W08533.511			
		CALDO	N424711.30		W0852952.31		N4247.188		W08529.872			
		LMBAW	N425000.65		W0853027.43		N4250.011		W08530.457			
		SKWID	N424051.85		W0852833.80		N4240.864		W08528.563			
		RW35	N425159.31		W0853052.07		N4251.989		W08530.868			
		IDVS (LOC)	N425334.03		W0853111.76		N4253.567		W08531.196			
RUNWAY DATA		RWY	THRESHOLD ELEVATION		TCH							
		RW35	00789		55							

CITY AND STATE GRAND RAPIDS, MI	ELEVATION: 794 TDZE: 790 AIRPORT NAME: GERALD R. FORD INTL	FACILITY IDENTIFIER: I-DVS	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: ILS OR LOC RWY 35, AMDT 1B 18 SEPTEMBER 2014	SUP: AMDT: 1A DATED: 02/10/2011
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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: 4.74 MILES AFTER GRFFN/VIO 10.99 DME/RADAR OR AT VIO 6.24 DME FIX					
VIO VOR/DME		TNMAN/VIO 15.99 DME/RADAR			355.02 / 15.99			2500		CLIMB TO 3000 DIRECT VIO VOR/DME AND HOLD.					
TNMAN/VIO 15.99 DME/RADAR (IF)		GRFFN/VIO 10.99 DME/RADAR			175.02 / 5.00 (VIO R-355)			2500							
										ADDITIONAL FLIGHT DATA: HOLD SW, RT, 058.66 INBOUND. CHART FAS OBST: 949 TOWER 425459N/0853239W CHART VDP AT 4.74 DME DISTANCE VDP TO THLD 1.19 MILES. GRFFN TO RW17: 3.32/45.					
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)										MAG VAR: 4W EPOCH YEAR:1995					
2. HOLD N TNMAN, LT, 175.02 INBOUND, 2500 FT. IN LIEU OF PT (IAF)															
3. FAC 175.02 FAF GRFFN/VIO 10.99 DME/RADAR DIST FAF TO MAP 4.74 THLD 4.74															
4. MIN. ALT TNMAN 2500, GRFFN 2500															
8. MSA FROM: VIO VOR/DME 320-100 2400, 100-320 3000															
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-17	1200	1	411	1200	1	411	1200	1 1/4	411	1200	1 1/4	411			
CIRCLING	1280	1	486	1280	1	486	1280	1 1/2	486	1360	2	566			
NOTES: CHART NOTE: DME OR RADAR REQUIRED. CHART PLANVIEW NOTE: DME OR RADAR REQUIRED. CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE HOLLAND ALTIMETER SETTING AND INCREASE ALL MDA 80 FEET AND INCREASE S-17 CAT D VISIBILITY 1/4 MILE.															
CITY AND STATE GRAND RAPIDS, MI		ELEVATION: 794 TDZE: 789 AIRPORT NAME: GERALD R. FORD INTL		FACILITY IDENTIFIER: VIO		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: VOR RWY 17, ORIG-D 18 SEPTEMBER 2014				SUP AMDT ORIG-C DATE 11/23/2006					



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: 4.85 MILES AFTER VIO VOR/DME OR AT VIO 4.85 DME FIX CLIMB TO 3000 ON VIO VOR/DME R-353 TO WALKS INT/VIO 13.66 DME AND HOLD. ADDITIONAL FLIGHT DATA: HOLD N, LT, 172.58 INBOUND. CHART FAS OBST: 929 TREE 425119N/0853110W FAS OBST: 1039 AAO 424724N/0853115W CHART ASR ALSKA TO RWY 35: 3.42/74						
1. PT <u> L </u> SIDE OF COURSE <u> 174.89 </u> OUTBOUND <u> 3000 </u> FT WITHIN <u> 10 </u> MILES OF <u> VIO VOR/DME </u> (IAF) 2. _____ 3. FAC <u> 354.89 </u> FAF <u> VIO VOR/DME </u> DIST FAF TO MAP <u> 4.85 </u> THLD <u> 4.85 </u> 4. MIN. ALT <u> VIO VOR/DME 2600, ALSKA INT/VIO 3.70 DME 1280* </u> 8. MSA FROM: <u> VIO VOR/DME 320-100 2400, 100-320 3000 </u>										MAG VAR: 4W		EPOCH YEAR: 1995				
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-35	1280	2400	490	1280	2400	490	1280	4000	490	1280	5000	490				
CIRCLING	1280	1	486	1280	1	486	1280	1 1/2	486	1360	2	566				
ALSKA INT MINIMUMS (DUAL VOR RECEIVERS REQUIRED)																
S-35	1180	2400	390	1180	2400	390	1180	2400	390	1180	5000	390				
CIRCLING	1280	1	486	1280	1	486	1280	1 1/2	486	1360	2	566				
NOTES: CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT. @ NA WHEN LOCAL WEATHER NOT AVAILABLE. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE HOLLAND ALTIMETER SETTING AND INCREASE ALL MDA 80 FEET, S-35 CAT C VISIBILITY TO RVR 5000, CAT D TO RVR 6000, ALSKA INT MINIMUMS S-35 CAT C TO RVR 4000. (SEE FORM 8260-10)																
CITY AND STATE		ELEVATION: 794		TDZE: 790		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP				
GRAND RAPIDS, MI		AIRPORT NAME:		GERALD R. FORD INTL		VIO		VOR RWY 35, AMDT 1A 18 SEPTEMBER 2014				AMDT 1				
												DATE 07/02/2009				



**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.

NOTES, (CONT.):

CHART NOTE: FOR INOPERATIVE MALSR, INCREASE ALSKA INT MINIMUMS S-35 CAT D VISIBILITY TO RVR 6000.

CHART PROFILE NOTE: *1360 WHEN USING HOLLAND ALTIMETER SETTING.



CITY AND STATE

GRAND RAPIDS, MI

ELEVATION: 794

TDZE: 790

AIRPORT NAME:

GERALD R. FORD INTL

FACILITY
IDENTIFIER:
VIO

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

VOR RWY 35, AMDT 1A

18 SEPTEMBER 2014

SUP:

AMDT: 1

DATED: 07/02/2009

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: 4.58 MILES AFTER GRADS INT/PMM 12.00 DME OR AT PMM 16.58 DME FIX CLIMB TO 2300 THEN LEFT TURN VIA PMM VOR/DME R-360 TO GRADS INT/PMM 12.00 DME AND HOLD.							
VIO VOR/DME PMM VOR/DME (IAF)		GRADS INT/PMM 12.00 DME GRADS INT/PMM 12.00 DME (NOPT)		259.10 / 27.89 360.00 / 12.00				3000 2300									
										ADDITIONAL FLIGHT DATA: CHART FAS OBST: 927 TWR 424245N/0860732W FAC CROSSES CENTER OF AIRPORT.							
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD S GRADS, LT, 360.00 INBOUND, 2300 FT. IN LIEU OF PT (IAF) 3. FAC 360.00 FAF GRADS INT/PMM 12.00 DME _____ DIST FAF TO MAP 4.58 THLD _____ 4. MIN. ALT GRADS 2300 8. MSA FROM: PMM VOR/DME 360-180 3000, 180-360 2400														MAG VAR: 0E		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	1200	1	502	1200	1	502	1200	1 1/2	502	1260	2	562					
NOTES: CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE MUSKEGAN ALTIMETER SETTING AND INCREASE ALL MDA 70 FEET.																	
CITY AND STATE HOLLAND, MI				ELEVATION: 698 AIRPORT NAME: WEST MICHIGAN RGNL		TDZE:		FACILITY IDENTIFIER: PMM		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: VOR-A, AMDT 10D 18 SEPTEMBER 2014				SUP AMDT 10C DATE 06/08/2006			

PAGE 1 OF 5 PAGES

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

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

TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
RW08 (MAP)	1046 MSL	073.91	
1046 MSL	CEYNA (FB)		
CEYNA	WELKO (FO)	152.31 / 14.50	3000

NOTES, (CONT.):

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT YULNU ON V55 NORTHWEST BOUND, AND ARRIVALS AT MBL VOR/DME ON V271 NORTHBOUND, AND ARRIVALS ON HIC VOR/DME AIRWAY RADIALS 303 CW 332.

CHART PROFILE NOTE: DESCENT ANGLE NA.

CHART NOTE: NIGHT LANDING: RWY 8 CAT C/D AND RWY 26 NA.

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

QUALITY
9
CHECKED

CITY AND STATE
LUDINGTON, MI

ELEVATION: 646 TDZE: 643
 AIRPORT NAME:
 MASON COUNTY

FACILITY
IDENTIFIER:
RNAV

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

SUP:
 AMDT: ORIG-A
 DATED: 11/14/2013

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

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ARINC PACKET - 424-18 - RNAV (GPS)

[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KLDMK5FR08	AHIC	010HIC	K5D 0V	IF					18000		B JS	
SUSAP	KLDMK5FR08	AHIC	020HIKASK5EA0E	A	020TF		29260431	+	03000			B JS	
SUSAP	KLDMK5FR08	AHIC	030FINOBK5EA0EE	B	010TF		34380050	+	03000			B JS	
SUSAP	KLDMK5FR08	AMBL	010MBL	K5D 0V	IF					18000		B JS	
SUSAP	KLDMK5FR08	AMBL	020FINOBK5EA0EY		020TF		22260296	+	03000			B JS	
SUSAP	KLDMK5FR08	AMBL	030FINOBK5EA0EE	AR	HF		07380040	+	03000			B JS	
SUSAP	KLDMK5FR08	AYULNU	010YULNUK5EA0E		IF					18000		B JS	
SUSAP	KLDMK5FR08	AYULNU	020JAMAGK5EA0E	A	020TF		14140088	+	03000			B JS	
SUSAP	KLDMK5FR08	AYULNU	030FINOBK5EA0EE	B	010TF		16380050	+	03000			B JS	
SUSAP	KLDMK5FR08	R	010FINOBK5EA0E	I	IF					18000		B JS	
SUSAP	KLDMK5FR08	R	020ZEKOPK5EA1E	F	051TF		07380070	+	02500		RW08	K5PGB	JS
SUSAP	KLDMK5FR08	R	020ZEKOPK5EA2WN			N	ALNAV					JS	
SUSAP	KLDMK5FR08	R	030RW08	K5PG0GY	M	031TF	07390057		01140	000		B JS	
SUSAP	KLDMK5FR08	R	040	0	M	CA	0739	+	01046			B JS	
SUSAP	KLDMK5FR08	R	050CEYNAK5EA0E		DF							B JS	
SUSAP	KLDMK5FR08	R	060WELKOK5EA0EY		010TF		1523	+	03000			B JS	
SUSAP	KLDMK5FR08	R	070WELKOK5EA0EE	R	HM		35500040	+	03000			B JS	

CITY AND STATE LUDINGTON, MI	ELEVATION: 646	TDZE: 643	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME:			RNAV (GPS) RWY 8, ORIG-B	AMDT: ORIG-A
	MASON COUNTY	RNAV	18 SEPTEMBER 2014	DATED: 11/14/2013	

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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RUNWAY 1234567890123456789012345678901234567890123456789012345678901234567890123456789012

SUSAP KLDMK5GRW08 0050030740 N43573341W086244844+0100 +0160200641000000075R

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

SUSAP KLDMK5SRW08 K5PG 0 18018002625 M



CITY AND STATE
LUDINGTON, MI

ELEVATION: 646 TDZE: 643
AIRPORT NAME:
MASON COUNTY

FACILITY
IDENTIFIER:

RNAV

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

SUP:
AMDT: ORIG-A
DATED: 11/14/2013

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
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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
	HIC	HIC	010		IF		FB					
	HIC	HIKAS	020	IAF	TF		FB	2.0	292.6 (289.6T)	043.1	AA 03000	
	HIC	FINOB	030		TF		FB	1.0	343.8 (340.8T)	005.0	AA 03000	
	MBL	MBL	010		IF		FB					
	MBL	FINOB	020		TF		FO	2.0	222.6 (219.6T)	029.6	AA 03000	
	MBL	FINOB	030	IAF	HF	R	FO		073.8 (070.8T)	004.0	AA 03000	
	YULNU	YULNU	010		IF		FB					
	YULNU	JAMAG	020	IAF	TF		FB	2.0	141.4 (138.4T)	008.8	AA 03000	
	YULNU	FINOB	030		TF		FB	1.0	163.8 (160.8T)	005.0	AA 03000	
		FINOB	010	FACF	IF		FB				AA 03000	
		ZEKOP	020	FAF	TF		FB	0.5	073.8 (070.8T)	007.0	AA 02500	
		RW08	030	MAP	TF		FO	0.3	073.9 (070.9T)	005.7	AT 01140	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		073.9 (070.9T)		AA 01046	
	CEYNA	050		DF		FB					
	WELKO	060		TF		FO	1.0	152.3 (149.3T)		AA 03000	
	WELKO	070		HM	R	FO		355.0 (352.0T)	004.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	HIC	N433429.47	W0854258.18	N4334.491	W08542.970
	MBL	N441614.31	W0861514.56	N4416.239	W08615.243
	CEYNA	N435851.43	W0861934.15	N4358.857	W08619.569
	FINOB	N435325.59	W0864118.86	N4353.427	W08641.314
	HIKAS	N434842.21	W0863902.67	N4348.704	W08639.045
	JAMAG	N435808.92	W0864335.41	N4358.149	W08643.590
	WELKO	N434623.60	W0860921.99	N4346.393	W08609.367
	YULNU	N440442.03	W0865139.18	N4404.701	W08651.653
	ZEKOP	N435542.73	W0863212.24	N4355.712	W08632.204
	RW08	N435733.41	W0862448.44	N4357.557	W08624.807

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW08	00641	00



CITY AND STATE LUDINGTON, MI	ELEVATION: 646	TDZE: 643	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME: MASON COUNTY		RNAV	RNAV (GPS) RWY 8, ORIG-B	AMDT: ORIG-A
				18 SEPTEMBER 2014	DATED: 11/14/2013

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: 4.72 MILES AFTER EATUN INT/MKG 21.00 DME OR AT MAHXY/MKG 16.28 DME FIX CLIMB TO 2500 THEN RIGHT TURN ON HEADING 133.20 AND MKG R-100 TO EATUN INT/MKG 21.00 DME AND HOLD. ADDITIONAL FLIGHT DATA: HOLD E, RT, 279.50 INBOUND. CHART FAS OBST: 1177 TOWER 430646N/0853554W FAC CROSSES MID POINT OF RWY 7-25.							
MKG VORTAC		EATUN INT/MKG 21.00 DME			099.50 / 21.00			2500									
VIO VOR/DME		EATUN INT/MKG 21.00 DME			355.20 / 20.02			2500									
1. PT <u>L</u> SIDE OF COURSE <u>099.50</u> OUTBOUND <u>2500</u> FT WITHIN <u>10</u> MILES OF <u>EATUN</u> (IAF) 2. _____ 3. FAC <u>279.50</u> FAF <u>EATUN INT/MKG 21.00 DME</u> DIST FAF TO MAP <u>4.72</u> THLD _____ 4. MIN. ALT <u>EATUN 2500</u> 8. MSA FROM: MKG VORTAC 2900														MAG VAR: 1W		EPOCH YEAR: 1965	
MINIMUMS																	
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT										ALTERNATE: N A		STANDARD @					
CATEGORY =====>		A			B			C			D			E			
		MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	
CIRCLING		1480	1	705	1480	1	705		NA			NA					
NOTES: CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE GRAND RAPIDS ALTIMETER SETTING AND INCREASE ALL MDA 60 FEET. CHART NOTE: PROCEDURE NA AT NIGHT. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.																	
CITY AND STATE				ELEVATION: 775 TDZE:				FACILITY IDENTIFIER:				PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP	
SPARTA, MI				AIRPORT NAME:				MKG				VOR-A, AMDT 4A 18 SEPTEMBER 2014				AMDT 4	
				PAUL C. MILLER-SPARTA												DATE 06/30/2011	



US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.33

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TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LNAV: RW04
CLT VOR/DME	PENNE (FO)	180.49 / 28.51	2500	CLIMBING RIGHT TURN TO 2500 DIRECT PENNE AND HOLD.
CTF VOR/DME	PENNE (FO)	284.72 / 30.52	2500	
RICHE (IAF)	PENNE (NOPT) (FB)	084.43 / 5.24	2500	
PENNE (IF/IAF)	WIXXU (FB)	044.90 / 6.02	2200	
WIXXU (FAF)	RW04 (MAP) (FO)	044.94 / 4.83	2500	ADDITIONAL FLIGHT DATA: HOLD SW, RT, 044.90 INBOUND. CHART FAS OBST: 739 TREE 345013N/0804549W CHART 980 TOWER 344806N/0804750W. WIXXU TO RW04: 3.04/40. CHART MONROE ASOS.
RW04 (MAP)	1002 MSL	044.94		
1002 MSL	PENNE (FO)			

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- HOLD SW PENNE, RT, 044.90 INBOUND, 2500 FT. IN LIEU OF PT (IAF)
- FAC: 044.94 FAF: WIXXU DIST FAF TO MAP: 4.83 THLD: 4.83
- MIN. ALT: PENNE 2500, WIXXU 2200
- DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
- MIN GS INCPT: GS ALT AT: OM: MM: IM:
- GS ANGLE: TCH: 40.0 34:1 IS NOT CLEAR
- MSA FROM: RW04 3100

MAG VAR: 7W

EPOCH YEAR: 2000

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT							ALTERNATE: N A		X							
CATEGORY =====>	A			B			C			D			E			
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	
LNAV MDA	1040	1	438	1040	1	438		NA			NA					
CIRCLING	1160	1	558	1220	1	618		NA			NA					

NOTES:

CHART NOTE: DME/DME RNP-0.3 NA.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON CTF VOR/DME AIRWAY RADIALS 243 CW 013.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT RICHE ON V66 AND T202 SOUTHWEST BOUND, AND T200

NORTHWEST BOUND.

(SEE FORM 8260-10)

CITY AND STATE WAXHAW, NC	ELEVATION: 602 TDZE: 602 AIRPORT NAME: JAARS-TOWNSEND	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 4, ORIG-A 18 SEPTEMBER 2014	SUP:
				AMDT: ORIG
				DATED 03/12/2009

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: USE MONROE ALTIMETER SETTING, WHEN NOT RECEIVED USE ROCK HILL ALTIMETER SETTING AND INCREASE ALL MDA 20 FEET.

CHART NOTE: PROCEDURE NA AT NIGHT.

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

CITY AND STATE

WAXHAW, NC

ELEVATION: 602

TDZE: 602

AIRPORT NAME:

JAARS-TOWNSEND

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 4, ORIG-A

18 SEPTEMBER 2014

SUP:

AMDT: ORIG

DATED: 03/12/2009

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

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ARINC PACKET - 424-18 - RNAV (GPS)

[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP N52 K7FR04	ACLT	010CLT	K7D	OV	IF					18000		B	JS
SUSAP N52 K7FR04	ACLT	020PENNEK7EA0EY	020TF				18050285	+	02500			B	JS
SUSAP N52 K7FR04	ACLT	030PENNEK7EA0EE	AR	HF			04490040	+	02500			B	JS
SUSAP N52 K7FR04	ACTF	010CTF	LID	OV	IF					18000		B	JS
SUSAP N52 K7FR04	ACTF	020PENNEK7EA0EY	020TF				28470305	+	02500			B	JS
SUSAP N52 K7FR04	ACTF	030PENNEK7EA0EE	AR	HF			04490040	+	02500			B	JS
SUSAP N52 K7FR04	ARICHE	010RICHEK7EA0E	A	IF						18000		B	JS
SUSAP N52 K7FR04	ARICHE	020PENNEK7EA0EE	B	010TF			08440052	+	02500			B	JS
SUSAP N52 K7FR04	R	010PENNEK7EA0E	I	IF				+	02500	18000		B	JS
SUSAP N52 K7FR04	R	020WIXXUK7EA1E	F	051TF			04490060	+	02200		RW04	K7PGB	JS
SUSAP N52 K7FR04	R	020WIXXUK7EA2WN			N	ALNAV							JS
SUSAP N52 K7FR04	R	030RW04	K7PG0GY	M	031TF		04490048		00642	-304		B	JS
SUSAP N52 K7FR04	R	040	0	M	CA		0449	+	01002			B	JS
SUSAP N52 K7FR04	R	050PENNEK7EA0EY	R	DF				+	02500			B	JS
SUSAP N52 K7FR04	R	060PENNEK7EA0EE	R	HM			04490040	+	02500			B	JS

[illegible][illegible]

CITY AND STATE WAXHAW, NC	ELEVATION: 602	TDZE: 602	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 4, ORIG-A 18 SEPTEMBER 2014	SUP:
	AIRPORT NAME: JAARS-TOWNSEND				AMDT: ORIG
					DATED: 03/12/2009

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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SUSAP N52 K7SRW04 K7PG

0 18018003125

M

CITY AND STATE
WAXHAW, NC

ELEVATION: 602 TDZE: 602
AIRPORT NAME:
JAARS-TOWNSEND

FACILITY
IDENTIFIER:
RNAV

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

SUP:
AMDT: ORIG
DATED: 03/12/2009

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
	CLT	CLT	010		IF		FB					
	CLT	PENNE	020		TF		FO	2.0	180.5 (173.5T)	028.5	AA 02500	
	CLT	PENNE	030	IAF	HF	R	FO		044.9 (037.9T)	004.0	AA 02500	
	CTF	CTF	010		IF		FB					
	CTF	PENNE	020		TF		FO	2.0	284.7 (277.7T)	030.5	AA 02500	
	CTF	PENNE	030	IAF	HF	R	FO		044.9 (037.9T)	004.0	AA 02500	
	RICHE	RICHE	010	IAF	IF		FB					
	RICHE	PENNE	020		TF		FB	1.0	084.4 (077.4T)	005.2	AA 02500	
		PENNE	010	FACF	IF		FB				AA 02500	
		WIXXU	020	FAF	TF		FB	0.5	044.9 (037.9T)	006.0	AA 02200	
		RW04	030	MAP	TF		FO	0.3	044.9 (037.9T)	004.8	AT 00642	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		044.9 (037.9T)		AA 01002	
	PENNE	050		DF	R	FO				AA 02500	
	PENNE	060		HM	R	FO		044.9 (037.9T)	004.0	AA 02500	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CTF	N372752.00	E0150344.20	N3727.867	E01503.737
	CLT	N351125.04	W0805706.31	N3511.417	W08057.105
	PENNE	N344302.61	W0805310.94	N3443.044	W08053.182
	RICHE	N344154.17	W0805923.38	N3441.903	W08059.390
	WIXXU	N344748.11	W0804841.40	N3447.802	W08048.690
	RW04	N345136.86	W0804504.96	N3451.614	W08045.083

RUNWAY DATA	THRESHOLD	ELEVATION	TCH
RWY			
RW04	00602		40

CITY AND STATE WAXHAW, NC	ELEVATION: 602	TDZE: 602	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME: JAARS-TOWNSEND		RNAV	RNAV (GPS) RWY 4, ORIG-A	AMDT: ORIG
				18 SEPTEMBER 2014	DATED: 03/12/2009

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	LNAV: REFRI CLIMBING LEFT TURN TO 2500 DIRECT WUXVO AND HOLD. ADDITIONAL FLIGHT DATA: CHART FAS OBST: 779 TREE 345344N/0804333W CHART MONROE ASOS FAC CROSSES RWY C/L EXTENDED 3000 FROM THLD. JUDOB TO RW22: 3.05/40 CHART PLANVIEW NOTE: FINAL APPROACH COURSE OFFSET 15.05 DEGREES.											
CLT VOR/DME	WUXVO (FO)	130.37 / 22.77	2500												
CTF VOR/DME	WUXVO (FO)	331.06 / 24.45	2500												
LOCAS (IAF)	WUXVO (NOPT) (FB)	211.14 / 14.49	2500												
WUXVO (IF/IAF)	JUDOB (FB)	240.09 / 6.02	2300												
JUDOB (FAF)	HISOD/1.20 NM TO REFRI (FB)	240.03 / 3.45													
HISOD/1.20 NM TO REFRI (SEE FORM 8260-10)	REFRI (MAP) (FO)	240.03 / 1.20													
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. HOLD NE WUXVO, LT, 240.09 INBOUND, 2500 FT. IN LIEU OF PT (IAF) 3. FAC: 240.03 FAF: JUDOB DIST FAF TO MAP: 4.65 THLD: 5.13 4. MIN. ALT: WUXVO 2500, JUDOB 2300, HISOD/1.20 NM TO REFRI 1180 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: REFRI 3100				MAG VAR: 7W EPOCH YEAR: 2000											
MINIMUMS															
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT			ALTERNATE: N A X												
CATEGORY >>>>>	A		B		C		D		E						
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LNAV MDA	1080	1	478	1080	1	478		NA			NA				
CIRCLING	1160	1	558	1220	1	618		NA			NA				
NOTES: CHART NOTE: DME/DME RNP-0.3 NA. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON CTF VOR/DME AIRWAY RADIALS 243 CW 013. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT LOCAS ON T201 NORTHEAST BOUND. CHART NOTE: CHART NOTE: PROCEDURE NA AT NIGHT. (SEE FORM 8260-10)															
CITY AND STATE WAXHAW, NC		ELEVATION: 602 TDZE: 602 AIRPORT NAME: JAARS-TOWNSEND		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 22, ORIG-A 18 SEPTEMBER 2014				SUP: AMDT: ORIG DATED 03/12/2009					

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
REFRI (MAP)	1002 MSL	240.03	
1002 MSL	WUXVO (FO)		2500

NOTES, (CONT.):

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

CHART NOTE USE MONROE ALTIMETER SETTING, WHEN NOT RECEIVED USE ROCK HILL ALTIMETER SETTING AND INCREASE ALL MDA 20 FEET.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT CLT VOR/DME ON V37 NORTHBOUND.

CITY AND STATE
WAXHAW, NC

ELEVATION: 602 TDZE: 602
AIRPORT NAME:
JAARS-TOWNSEND

FACILITY
IDENTIFIER:
RNAV

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

SUP:
AMDT: ORIG
DATED: 03/12/2009

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

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ARINC PACKET - 424-18 - RNAV (GPS)

[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP N52 K7FR22	ACLT	010CLT	K7D	0V	IF					18000		B	JS
SUSAP N52 K7FR22	ACLT	020WUXVOK7EA0EY	020TF				13040228	+	02500			B	JS
SUSAP N52 K7FR22	ACLT	030WUXVOK7EA0EE	AL	HF			24010040	+	02500			B	JS
SUSAP N52 K7FR22	ACTF	010CTF	K7D	0V	IF					18000		B	JS
SUSAP N52 K7FR22	ACTF	020WUXVOK7EA0EY	020TF				33110245	+	02500			B	JS
SUSAP N52 K7FR22	ACTF	030WUXVOK7EA0EE	AL	HF			24010040	+	02500			B	JS
SUSAP N52 K7FR22	ALOCAS	010LOCASK7EA0E	A	IF						18000		B	JS
SUSAP N52 K7FR22	ALOCAS	020WUXVOK7EA0EE	B	010TF			21110145	+	02500			B	JS
SUSAP N52 K7FR22	R	010WUXVOK7EA0E	I	IF				+	02500	18000		B	JS
SUSAP N52 K7FR22	R	020JUDOBK7EA1E	F	051TF			24010060	+	02300		REFRI	K7EAB	JS
SUSAP N52 K7FR22	R	020JUDOBK7EA2WN			N	ALNAV							JS
SUSAP N52 K7FR22	R	021HISODK7EA0E	S	031TF			24000035	V	0118001183	-305		B	JS
SUSAP N52 K7FR22	R	030REFRIK7EA0EY	M	031TF			24000012		00799	-305		B	JS
SUSAP N52 K7FR22	R	040	0	M	CA		2400	+	01002			B	JS
SUSAP N52 K7FR22	R	050WUXVOK7EA0EY	L	DF				+	02500			B	JS
SUSAP N52 K7FR22	R	060WUXVOK7EA0EE	L	HM			24010040	+	02500			B	JS

[illegible]

CITY AND STATE WAXHAW, NC	ELEVATION: 602 TDZE: 602	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME: JAARS-TOWNSEND	RNAV	RNAV (GPS) RWY 22, ORIG-A	AMDT: ORIG
			18 SEPTEMBER 2014	DATED: 03/12/2009

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CITY AND STATE WAXHAW, NC	ELEVATION: 602	TDZE: 602	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME:	JAARS-TOWNSEND	RNAV	RNAV (GPS) RWY 22, ORIG-A	AMDT: ORIG
				18 SEPTEMBER 2014	DATED: 03/12/2009

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
CLT		CLT	010		IF		FB					
CLT		WUXVO	020		TF		FO	2.0	130.4 (123.4T)	022.8	AA 02500	
CLT		WUXVO	030	IAF	HF	L	FO		240.1 (233.1T)	004.0	AA 02500	
CTF		CTF	010		IF		FB					
CTF		WUXVO	020		TF		FO	2.0	331.1 (324.1T)	024.5	AA 02500	
CTF		WUXVO	030	IAF	HF	L	FO		240.1 (233.1T)	004.0	AA 02500	
LOCAS		LOCAS	010	IAF	IF		FB					
LOCAS		WUXVO	020		TF		FB	1.0	211.1 (204.1T)	014.5	AA 02500	
		WUXVO	010	FACF	IF		FB				AA 02500	
		JUDOB	020	FAF	TF		FB	0.5	240.1 (233.1T)	006.0	AA 02300	
		HISOD	021	SDF	TF		FB	0.3	240.0 (233.0T)	003.5	AA 01180	GS 01183
		REFRI	030	MAP	TF		FO	0.3	240.0 (233.0T)	001.2	AT 00799	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		240.0 (233.0T)		AA 01002	
	WUXVO	050		DF	L	FO				AA 02500	
	WUXVO	060		HM	L	FO		240.1 (233.1T)	004.0	AA 02500	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CLT	N351125.04	W0805706.31	N3511.417	W08057.105
	CTF	N343901.79	W0801629.70	N3439.030	W08016.495
	HISOD	N345307.90	W0804309.95	N3453.132	W08043.166
	JUDOB	N345512.63	W0803948.91	N3455.211	W08039.815
	LOCAS	N351205.18	W0802644.89	N3512.086	W08026.748
	REFRI	N345224.49	W0804419.84	N3452.408	W08044.331
	WUXVO	N345850.05	W0803357.71	N3458.834	W08033.962
	RW22	N345201.10	W0804442.00	N3452.018	W08044.700

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW22	00599	40

CITY AND STATE
WAXHAW, NC

ELEVATION: 602
AIRPORT NAME: JAARS-TOWNSEND

TDZE: 602

FACILITY IDENTIFIER:

RNAV

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

SUP:

AMDT: ORIG

DATED: 03/12/2009

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: RW22R CLIMB TO 4000 DIRECT PIDTO AND ON TRACK 237.03 TO COL VOR/DME AND HOLD. ADDITIONAL FLIGHT DATA: HOLD N, RT, 193.00 INBOUND. CHART FAS OBST: 340 ROD ON OL ATCT 403833N/0734653W DISTANCE TO THLD FROM 257 HAT: 0.62 NM. CHART VDP AT 1.65 MILES TO RW22R* *LNAV ONLY. WAAS CHANNEL # 40019 REFERENCE PATH ID: W22B CHART CIRCLING ICON CHART LOC RWY 22L LTP HAE: -28.4 M								
DPK VOR/DME (IAF)		RIVRA (FB)		288.05 / 15.31		3000										
RIVRA (IF)		HENEB (FB)		224.86 / 6.00		1900										
HENEB (FAF)		RW22R (MAP) (FO)		224.81 / 5.65												
RW22R (MAP)		269 MSL		224.81												
269 MSL		PIDTO (FB)														
PIDTO		COL VOR/DME (FO)		237.03 / 24.73		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 RIVRA 3. FAC: <u>224.81</u> FAF: <u>HENEB</u> DIST FAF TO MAP: <u>5.65</u> THLD: <u>5.65</u> 4. MIN. ALT: <u>RIVRA 3000, HENEB 1900</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>1900</u> GS ALT AT: <u>HENEB 1900</u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u>3.00</u> TCH: <u>59.0</u> 34:1 IS CLEAR 8. MSA FROM: <u>RW22R 2900</u>								MAG VAR: 14W EPOCH YEAR: 2000								
MINIMUMS																
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT						ALTERNATE: N A		STANDARD								
CATEGORY =====>	A			B			C			D			E			
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	
LPV DA	269	4000	257	269	4000	257	269	4000	257	269	4000	257				
LNAV/VNAV DA	501	1 5/8	489	501	1 5/8	489	501	1 5/8	489	501	1 5/8	489				
LNAV MDA	600	5000	588	600	5000	588	600	1 3/4	588	600	1 3/4	588				
CIRCLING	640	1	627	640	1	627	640	1 3/4	627	660	2	647				
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -12C (11F) OR ABOVE 54C (130F). CHART NOTE: DME/DME RNP-0.3 NA. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON DPK VOR/DME AIRWAY RADIALS 221 CW 349. (SEE FORM 8260-10)																
CITY AND STATE NEW YORK, NY				ELEVATION: 13 TDZE: 12 AIRPORT NAME: JOHN F KENNEDY INTL			FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 22R, AMDT 1D 18 SEPTEMBER 2014				SUP: AMDT: 1C 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 NOTE: SIMULTANEOUS APPROACH AUTHORIZED WITH ILS OR LOC RWY 22L, ILS RWY 22L (CAT II), ILS RWY 22L (CAT III), RNAV (GPS) Y RWY 22L.

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 NEW YORK, NY	ELEVATION: 13 AIRPORT NAME: JOHN F KENNEDY INTL	TDZE: 12 FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 22R, AMDT 1D 18 SEPTEMBER 2014	SUP:
				AMDT: 1C
				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 KJFK
RUNWAY RW22R
APPROACH PERFORMANCE DESIGNATOR 0
ROUTE INDICATOR
REFERENCE PATH DATA SELECTOR 0
REFERENCE PATH IDENTIFIER (APPROACH ID) W22B
LTP/FTP LATITUDE 403832.7600N
LTP/FTP LONGITUDE 0734610.6900W
LTP/FTP ELLIPSOIDAL HEIGHT -00284
FPAP LATITUDE 403716.1480N
FPAP LONGITUDE 0734710.5510W
THRESHOLD CROSSING HEIGHT (TCH) 00059.0
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

4FCB9470

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K6
LTP ORTHOMETRIC HEIGHT +00035
FPAP ORTHOMETRIC HEIGHT +00035

CITY AND STATE

NEW YORK, NY

ELEVATION: 13

TDZE: 12

AIRPORT NAME:

JOHN F KENNEDY INTL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 22R, AMDT 1D

18 SEPTEMBER 2014

SUP:

AMDT: 1C

DATED: 05/02/2013

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[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KJFKK6FR22R	ADPK	010DPK	K6D	0V	A	IF			18000		A	JS
SUSAP	KJFKK6FR22R	ADPK	020RIVRAK6EA0EE	B	010TF			28810153	+ 03000			A	JS
SUSAP	KJFKK6FR22R	R	010RIVRAK6EA0E	I	IF				+ 03000	18000		A	JS
SUSAP	KJFKK6FR22R	R	020HENEBK6EA1E	F	051TF			22490060	+ 01900		RW22R	K6PGA	JS
SUSAP	KJFKK6FR22R	R	020HENEBK6EA2WALPV			ALNAV/VNAV	ALNAV						JS
SUSAP	KJFKK6FR22R	R	030RW22RK6PG0GY	M	031TF			22480057	00071		-300	A	JS
SUSAP	KJFKK6FR22R	R	040	0	M	CA		2248	+ 00269			A	JS
SUSAP	KJFKK6FR22R	R	050PIDTOK6EA0E		DF							A	JS
SUSAP	KJFKK6FR22R	R	060COL	K6D	0VY	010TF		2370	+ 04000			A	JS
SUSAP	KJFKK6FR22R	R	070COL	K6D	0VE	R	HM	19300040	+ 04000			A	JS

[illegible][illegible]

CITY AND STATE NEW YORK, NY	ELEVATION: 13	TDZE: 12	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 22R, AMDT 1D 18 SEPTEMBER 2014	SUP:
	AIRPORT NAME: JOHN F KENNEDY INTL	FACILITY IDENTIFIER: RNAV		AMDT: 1C
				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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MSA 1234567890123456789012345678901234567890123456789012345678901234567890123456789012

SUSAP KJFKK6SRW22RK6PG 0 18018002925 M

CITY AND STATE
NEW YORK, NY

ELEVATION: 13 TDZE: 12
AIRPORT NAME:
JOHN F KENNEDY INTL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
RNAV (GPS) RWY 22R, AMDT 1D
18 SEPTEMBER 2014

SUP:
AMDT: 1C
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
	DPK	DPK	010	IAF	IF		FB					
	DPK	RIVRA	020		TF		FB	1.0	288.1 (274.1T)	015.3	AA 03000	
		RIVRA	010	FACF	IF		FB				AA 03000	
		HENEB	020	FAF	TF		FB	0.5	224.9 (210.9T)	006.0	AA 01900	
		RW22R	030	MAP	TF		FO	0.3	224.8 (210.8T)	005.7	AT 00071	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		224.8 (210.8T)		AA 00269	
	PIDTO	050		DF		FB					
	COL	060		TF		FO	1.0	237.0 (223.0T)		AA 04000	
	COL	070		HM	R	FO		193.0 (179.0T)	004.0	AA 04000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	COL	N401841.88	W0740935.02	N4018.698	W07409.584
	DPK	N404730.30	W0731813.17	N4047.505	W07318.220
	HENEB	N404324.01	W0734222.71	N4043.400	W07342.379
	PIDTO	N403649.58	W0734731.30	N4036.826	W07347.522
	RIVRA	N404833.48	W0733819.75	N4048.558	W07338.329
	RW22R	N403832.76	W0734610.69	N4038.546	W07346.178

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW22R	00012	59

CITY AND STATE NEW YORK, NY	ELEVATION: 13	TDZE: 12	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 22R, AMDT 1D 18 SEPTEMBER 2014	SUP:
	AIRPORT NAME: JOHN F KENNEDY INTL				AMDT: 1C
					DATED: 05/02/2013

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.
ARLINGTON, TX	ARLINGTON MUNI	18 SEPTEMBER 2014	3

TAKEOFF MINIMUMS:

RWY 16, 34, STANDARD.

TEXTUAL DEPARTURE PROCEDURES:

RWY 16 – CLIMB HEADING 162.02 TO 2500 BEFORE TURNING LEFT.

RWY 34 – CLIMB HEADING 342.02 TO 1400 BEFORE PROCEEDING SOUTHEAST BOUND.

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 16, REILS BEGINNING 80 FT FROM DER, 126 FT LEFT OF CENTERLINE, UP TO 15 FT AGL/601 FT MSL. REILS BEGINNING 77 FT FROM DER, 126 FT RIGHT OF CENTERLINE, UP TO 19 FT AGL/603 FT MSL. TREES 593 FT FROM DER, 479 FT RIGHT OF CENTERLINE, UP TO 26 FT AGL/614 FT MSL. TRANSMISSION TOWER 3596 FT FROM DER, 1433 FT LEFT OF CENTERLINE, 112 FT AGL/702 FT MSL.

NOTE: RWY 34, TREES BEGINNING 228 FT FROM DER, 403 FT LEFT OF CENTERLINE, UP TO 35 FT AGL/654 FT MSL. TREES BEGINNING 1090 FT FROM DER, 439 FT RIGHT OF CENTERLINE, UP TO 61 FT AGL/670 FT MSL. TREES 1525 FT FROM DER, 339 FT LEFT OF CENTERLINE, UP TO 72 FT AGL/681 FT MSL.

CONTROLLING OBSTACLES:

OBSTACLES MANDATING ODP ROUTE DEVELOPMENT:

RWY 16, 34 – 2549 FT MSL TOWER 323502.67N/0965748.75W.



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.
ARLINGTON, TX	ARLINGTON MUNI	18 SEPTEMBER 2014	3

REMARKS:

FLIGHT INSPECTED BY:

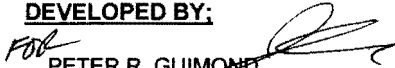

Robert Stuckert

5/29/14

REQUIRED EFFECTIVE DATE:

ROUTINE

DEVELOPED BY:


PETER R. GUIMOND

AJV-352

05/12/2014

APPROVED BY:


GEORGE GONZALES

AJV-353

JUN 26 2014

COORDINATED WITH:

ALPA, AOPA, NBAA, ZFW, REGIONAL APP CON, GKY TOWER, ARPT MGR

CHANGES:

1. DELETED RWY 16 AND RWY 34 CONTROLLING OBSTACLES. ADDED OBSTACLES MANDATING ODP ROUTE DEVELOPMENT.
2. DELETED NOTE: ANTENNA FARM 7.2 NM SOUTHEAST OF AIRPORT UP TO 2549 FEET MSL.
3. AMENDED TAKEOFF OBSTACLE NOTES FOR RWY 16 AND RWY 34.

REASONS:

1. IAW CURRENT DOCUMENTATION POLICY.
2. NOT APPROPRIATE. PUBLISHED DEPARTURE PROCEDURES MITIGATE THE OBSTACLES.
3. NEW OBSTACLE SURVEY ADDED SINCE LAST AMENDMENT. TAKEOFF OBSTACLE NOTES FORMATTED IAW CURRENT POLICY.



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									
										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 BRENHAM, TX				ELEVATION: 318 TDZE: 318 AIRPORT NAME: BRENHAM MUNI				FACILITY IDENTIFIER: CLL		PROCEDURE NO./AMDТ NO./EFFECTIVE DATE: VOR/DME RWY 16, AMDТ 2, 07/29/2010				SUP AMDТ 1B DATE 03/16/2006					

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	DALLAS EXECUTIVE	18 SEPTEMBER 2014	7

TAKEOFF MINIMUMS:

RWY 13, 31, 35, STANDARD.

RWY 17, 400-2 3/4 OR STANDARD WITH MINIMUM CLIMB OF 220 FT PER NM TO 1200.

TEXTUAL DEPARTURE PROCEDURES:

RWY 13 – CLIMB HEADING 129.08 TO 1800 BEFORE TURNING WESTBOUND.

RWY 17 – CLIMB HEADING 174.13 TO 2600 BEFORE TURNING WESTBOUND.

RWY 31 – CLIMB HEADING 309.09 TO 1500 BEFORE TURNING SOUTHBOUND.

RWY 35 – CLIMB HEADING 354.13 TO 1400 BEFORE TURNING SOUTHBOUND.

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 13, REIL AND OBSTRUCTION LIGHT ON BLAST FENCE BEGINNING 19 FT FROM DER, 115 FT LEFT OF CENTERLINE, UP TO 10 FT AGL/658 FT MSL. REIL 20 FT FROM DER, 115 FT RIGHT OF CENTERLINE, 6 FT AGL/651 FT MSL.

NOTE: RWY 17, REIL 38 FT FROM DER, 116 FT RIGHT OF CENTERLINE, 5 FT AGL/663 FT MSL. REIL 40 FT FROM DER, 160 FT LEFT OF CENTERLINE, 5 FT AGL/664 FT MSL. TREES BEGINNING 61 FT FROM DER, 340 FT LEFT OF CENTERLINE, UP TO 63 FT AGL/702 FT MSL. TREES BEGINNING 113 FT FROM DER, 304 FT RIGHT OF CENTERLINE, UP TO 37 FT AGL/686 FT MSL. TOWER 2.2 NM FROM DER, 583 FT LEFT OF CENTERLINE, 314 FT AGL/1027 FT MSL.

NOTE: RWY 31, REIL 29 FT FROM DER, 152 FT LEFT OF CENTERLINE, 5 FT AGL/656 FT MSL. REIL 29 FT FROM DER, 151 FT RIGHT OF CENTERLINE, 5 FT AGL/658 FT MSL. TREES BEGINNING 11 FT FROM DER, 237 FT LEFT OF CENTERLINE, UP TO 29 FT AGL/700 FT MSL. TREES BEGINNING 23 FT FROM DER, 268 FT RIGHT OF CENTERLINE, UP TO 47 FT AGL/686 FT MSL. TREES BEGINNING 1095 FT FROM DER, 167 FT RIGHT OF CENTERLINE, UP TO 69 FT AGL/708 FT MSL. TREES BEGINNING 1560 FT FROM DER, 554 FT LEFT OF CENTERLINE, UP TO 71 FT AGL/740 FT MSL.

NOTE: RWY 35, TERRAIN AND REIL BEGINNING 4 FT FROM DER, 10 FT RIGHT OF CENTERLINE, UP TO 5 FT AGL/656 FT MSL. REIL 40 FT FROM DER, 118 FT LEFT OF CENTERLINE, 5 FT AGL/654 FT MSL. TREES BEGINNING 87 FT FROM DER, 302 FT LEFT OF CENTERLINE, UP TO 51 FT AGL/680 FT MSL. BUILDING AND TREES BEGINNING 82 FT FROM DER, 284 FT RIGHT OF CENTERLINE, UP TO 65 FT AGL/691 FT MSL.

CONTROLLING OBSTACLES:

RWY 17: 1027 FT MSL TOWER 323817.80N/0965154.09W.

OBSTACLES MANDATING ODP ROUTE DEVELOPMENT:

RWY 13, 17, 35 – 2549 FT MSL TOWER 323502.67N/0965748.75W.

RWY 31 – 2449 FT MSL TOWER 323506.00N/0965842.00W.

QUALITY
3
CHECKED

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

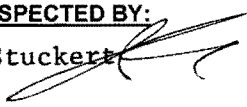
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City, State	Airport	Effective Date	Amdt. No.
DALLAS, TX	DALLAS EXECUTIVE	18 SEPTEMBER 2014	7

REMARKS:

RWY 17 CLIMB GRADIENT ROUNDED UP TO NEXT HIGHEST 5 FOOT INCREMENT.

FLIGHT INSPECTED BY:

RL Robert Stuckert 

5/20/14

REQUIRED EFFECTIVE DATE:

ROUTINE

DEVELOPED BY:

RL PETER R. GUIMOND 

AJV-352

05/12/2014

APPROVED BY:

RL GEORGE GONZALES 

AJV-353

JUN 26 2014

COORDINATED WITH:

ALPA, AOPA, NBAA, ZFW, REGIONAL APP CON, RBD TOWER, ARPT MGR

CHANGES:

1. AMENDED RWY 13 DEPARTURE PROCEDURE CLIMB TO ALTITUDE FROM 2600 TO 1800.
2. AMENDED RWY 31 DEPARTURE PROCEDURE CLIMB TO ALTITUDE FROM 1600 TO 1500.
3. AMENDED RWY 35 DEPARTURE PROCEDURE CLIMB TO ALTITUDE FROM 1600 TO 1400.
4. AMENDED RWY 17 CLIMB GRADIENT FROM 275 FT PER NM TO 220 FT PER NM.
5. AMENDED RWY 17 CONTROLLING OBSTACLE.
6. AMENDED RWY 13 DEPARTURE COURSE FROM 129.07 TO 129.08.
7. AMENDED RWY 31 DEPARTURE COURSE FROM 309.08 TO 309.09.
8. ADDED OBSTACLES MANDATING ODP ROUTE DEVELOPMENT FOR RWY 13, 17, 31, AND 35.
9. AMENDED TAKEOFF OBSTACLE NOTES FOR RWY 13, 17, 31, AND 35.

REASONS:

- 1, 2, 3, 4, 5. NEW OBSTACLE STUDY.
- 6, 7. MATCH CURRENT AIRNAV DATA.
8. IAW CURRENT DOCUMENTATION POLICY.
9. NEW OBSTACLE SURVEY ADDED SINCE LAST AMENDMENT. TAKEOFF OBSTACLE NOTES FORMATTED IAW CURRENT POLICY.



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.
DECATUR, TX	DECATUR MUNI	18 SEPTEMBER 2014	3

TAKEOFF MINIMUMS:

RWY 17, STANDARD.

RWY 35, STANDARD WITH MINIMUM CLIMB OF 320 FT PER NM TO 3500 OR 1600-3 FOR CLIMB IN VISUAL CONDITIONS.

TEXTUAL DEPARTURE PROCEDURES:

RWY 17 – CLIMB HEADING 163.45 TO 1700 BEFORE PROCEEDING NORTH.

RWY 35 – OBTAIN ATC APPROVAL FOR VCOA WHEN REQUESTING IFR CLEARANCE. CLIMB IN VISUAL CONDITIONS TO CROSS DECATUR MUNI AIRPORT AT OR ABOVE 2500 BEFORE PROCEEDING ON COURSE.

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 17, TREES AND POLES BEGINNING 120 FT FROM DER, 372 FT LEFT OF CENTERLINE, UP TO 51 FT AGL/1071 FT MSL. TERRAIN AND TREES BEGINNING 327 FT FROM DER, 452 FT RIGHT OF CENTERLINE, UP TO 18 FT AGL/1067 FT MSL. POLES 766 FT FROM DER, 45 FT RIGHT OF CENTERLINE, UP TO 33 FT AGL/1065 FT MSL. POLES 2287 FT FROM DER, 662 FT LEFT OF CENTERLINE, UP TO 54 FT AGL/1095 FT MSL. STACKS AND BUILDINGS BEGINNING 2495 FT FROM DER, 786 FT RIGHT OF CENTERLINE, UP TO 62 FT AGL/1112 FT MSL. TOWER 5149 FT FROM DER, 895 FT RIGHT OF CENTERLINE, 117 FT AGL/1173 FT MSL.

NOTE: RWY 35, TREES BEGINNING 378 FT FROM DER, 276 FT RIGHT OF CENTERLINE, UP TO 31 FT AGL/1050 FT MSL.

CONTROLLING OBSTACLES:

RWY 35: 2859 FT MSL TOWER 332312.00N/0973358.00W.

RWY 35 (VCOA): 1339 FT MSL TOWER 331234.00N/0973347.00W. 2859 FT MSL TOWER 332312.00N/0973358.00W.

OBSTACLES MANDATING ODP ROUTE DEVELOPMENT:

RWY 17 – 2859 FT MSL TOWER 332312.00N/0973358.00W.



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.
DECATUR, TX	DECATUR MUNI	18 SEPTEMBER 2014	3

REMARKS:

RWY 35 COMPUTED CLIMB GRADIENT IS 318 FT PER NM. ROUNDED UP TO NEXT 5 FT INCREMENT FOR PUBLICATION.

FLIGHT INSPECTED BY:

RF Robert Stuckert *[Signature]*

5/20/14

REQUIRED EFFECTIVE DATE:

ROUTINE

DEVELOPED BY:

PR PETER R. GUIMOND *[Signature]* AJV-352

05/12/2014

APPROVED BY:

PR GEORGE GONZALES *[Signature]* AJV-353

JUN 24 2014

COORDINATED WITH:

ALPA, AOPA, NBAA, ZFW, REGIONAL APP CON, ARPT MGR

CHANGES:

1. AMENDED RWY 17 TAKEOFF MINIMUMS FROM STANDARD WITH MINIMUM CLIMB OF 290 FT PER NM OR 1400-2 1/2 FOR CLIMB IN VISUAL CONDITIONS TO READ STANDARD.
2. ADDED TEXTUAL DP FOR RWY 17: CLIMB HEADING 163.45 TO 1700 BEFORE PROCEEDING NORTH.
3. DELETED RWY 17 VCOA.
4. AMENDED RWY 35 TAKEOFF MINIMUMS FROM STANDARD WITH MINIMUM CLIMB OF 315 FT PER NM TO 2500 OR 1400-2 1/2 FOR CLIMB IN VISUAL CONDITIONS TO READ STANDARD WITH MINIMUM CLIMB OF 320 FT PER NM TO 3500 OR 1600-3 FOR CLIMB IN VISUAL CONDITIONS.
5. RWY 35 VCOA TERMINATION ALTITUDE INCREASED FROM 2400 TO 2500.
6. ADDED NOTE TO OBTAIN ATC APPROVAL FOR VCOA WHEN REQUESTING IFR CLEARANCE TO RWY 35 TEXTUAL DP INSTRUCTIONS.
7. AMENDED RWY 17 TAKEOFF OBSTACLE NOTES. ADDED RWY 35 TAKEOFF OBSTACLE NOTES.
8. DELETED RWY 17 CONTROLLING OBSTACLE. ADDED OBSTACLE MANDATING ODP ROUTE DEVELOPMENT FOR RWY 17.
9. ADDED RWY 35 VCOA CONTROLLING OBSTACLES.

REASONS:

1. STANDARD MINIMUMS CAN BE ACHIEVED WITH A TEXTUAL DEPARTURE PROCEDURE.
2. NEW OBSTACLE STUDY.
3. NO LONGER REQUIRED, TEXTUAL DP MITIGATES 40:1 SURFACE PENETRATIONS.
4. 500 FT HORIZONTAL ACCURACY ADJUSTMENT APPLIED TO CLIMB GRADIENT CONTROLLING OBSTACLE.
5. NEW OBSTACLE STUDY.
6. NEW OBSTACLE STUDY.
7. IAW CURRENT DOCUMENTATION POLICY.
8. IAW CURRENT DOCUMENTATION POLICY.
9. IAW CURRENT DOCUMENTATION POLICY.



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.
DENTON, TX	DENTON MUNI	18 SEPTEMBER 2014	3

TAKEOFF MINIMUMS:

RWY 18, 36, STANDARD.

TEXTUAL DEPARTURE PROCEDURES:

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 18, VEHICLES ON ROAD BEGINNING 36 FT FROM DER, 274 FT LEFT OF CENTERLINE, UP TO 10 FT AGL/636 FT MSL. TREES BEGINNING 8 FT FROM DER, 381 FT RIGHT OF CENTERLINE, UP TO 27 FT AGL/636 FT MSL.

NOTE: RWY 36, TREES BEGINNING 88 FT FROM DER, 218 FT RIGHT OF CENTERLINE, UP TO 17 FT AGL/646 FT MSL. TREES 123 FT FROM DER, 217 FT LEFT OF CENTERLINE, UP TO 22 FT AGL/652 FT MSL. TREES BEGINNING 574 FT FROM DER, 517 FT RIGHT OF CENTERLINE, UP TO 43 FT AGL/682 FT MSL. TREES BEGINNING 864 FT FROM DER, 497 FT LEFT OF CENTERLINE, UP TO 43 FT AGL/672 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.
DENTON, TX	DENTON MUNI	18 SEPTEMBER 2014	3

REMARKS:

FLIGHT INSPECTED BY:

RS Robert Stuckert 

5/20/14

REQUIRED EFFECTIVE DATE:

ROUTINE

DEVELOPED BY:

PR PETER R. GUIMOND  AJV-352

05/12/2014

APPROVED BY:

GR GEORGE GONZALES  AJV-353

JUN 26 2014

COORDINATED WITH:

ALPA, AOPA, NBAA, ZFW, REGIONAL APP CON, DTO TOWER, ARPT MGR

CHANGES:

AMENDED RWY 18 AND RWY 36 TAKEOFF OBSTACLE NOTES.

REASONS:

NEW OBSTACLE SURVEY ADDED SINCE LAST AMENDMENT.



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.
FORT WORTH, TX	BOURLAND FIELD	18 SEPTEMBER 2014	2

TAKEOFF MINIMUMS:

RWY 35, STANDARD
RWY 17, 300-2 OR STANDARD WITH MINIMUM CLIMB OF 512 FEET PER NM TO 1300.

TEXTUAL DEPARTURE PROCEDURES:

RWY 17 - CLIMB HEADING 165.44 TO 1400 BEFORE TURNING RIGHT.

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 17,
TREES BEGINNING 9 FT FROM DER, 87 FT RIGHT OF CENTERLINE, UP TO 60 FT AGL/886 FT MSL.
TREES BEGINNING 17 FT FROM DER, 113 FT LEFT OF CENTERLINE, UP TO 57 FT AGL/886 FT MSL.
TREES 188 FT FROM DER, 28 FT LEFT OF CENTERLINE, UP TO 15 FT AGL/844 FT MSL.
TERRAIN, POLE, VEHICLES ON ROAD, AND TREES BEGINNING 680 FT FROM DER, 15 FT RIGHT OF CENTERLINE, UP TO 38 FT AGL/988 FT MSL.
TERRAIN, VEHICLES ON ROAD, AND TREES BEGINNING 871 FT FROM DER, 10 FT LEFT OF CENTERLINE, UP TO 47 FT AGL/987 FT MSL.
TREES 2723 FT FROM DER, 533 FT RIGHT OF CENTERLINE, UP TO 32 FT AGL/1011 FT MSL.
TRANSMISSION TOWER 1.4 NM FROM DER, 2471 FT RIGHT OF CENTERLINE, 123 FT AGL/1123 FT MSL.
TRANSMISSION TOWER 1.5 NM FROM DER, 2849 FT RIGHT OF CENTERLINE, 93 FT AGL/1092 FT MSL.

NOTE: RWY 35,
TERRAIN, FENCES, VEHICLES IN PARKING LOT, VEHICLES ON ROAD, SIGNS, POLES, AND TREES BEGINNING 22 FT FROM DER, 30 FT LEFT OF CENTERLINE, UP TO 26 FT AGL/935 FT MSL.
TERRAIN, FENCES, VEHICLES ON ROAD, POLES, TREES, AND SIGNS BEGINNING 165 FT FROM DER, 42 FT RIGHT OF CENTERLINE, UP TO 42 FT AGL/925 FT MSL.
TERRAIN, VEHICLES IN PARKING LOT, VEHICLES ON ROAD, AND TREES BEGINNING 1013 FT FROM DER, 29 FT RIGHT OF CENTERLINE, UP TO 15 FT AGL/956 FT MSL.
TERRAIN, VEHICLES IN PARKING LOT, VEHICLES ON ROAD, AND TREES BEGINNING 2606 FT FROM DER, 328 FT RIGHT OF CENTERLINE, UP TO 16 FT AGL/995 FT MSL.
TERRAIN, VEHICLES IN PARKING LOT, VEHICLES ON ROAD, AND TREES BEGINNING 2433 FT FROM DER, 663 FT LEFT OF CENTERLINE, UP TO 17 FT AGL/1006 FT MSL.

CONTROLLING OBSTACLES:

RWY 17: 1011 FT MSL TREES 323407.39N/0973524.72W.
1123 FT MSL TRANSMISSION TOWER 323306.16N/0973536.73W.
1092 FT MSL TRANSMISSION TOWER 323258.36N/0973539.81W.

OBSTACLE MANDATING ODP ROUTE DEVELOPMENT:

RWY 17 - 1275 FT MSL TOWER 323156.00N/0973623.00W.



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.
FORT WORTH, TX	BOURLAND FIELD	18 SEPTEMBER 2014	2

REMARKS:

LETTER OF APPROVAL ON FILE FOR CLIMB GRADIENT OF 512 FT PER NM TO 1300 DEPARTING RWY 17.

FLIGHT INSPECTED BY:

FOR Robert Stuckert *[Signature]*

5/20/14

REQUIRED EFFECTIVE DATE:

ROUTINE

DEVELOPED BY:

PETER GUIMOND AJV-352

05/12/2014

APPROVED BY:

FOR GEORGE GONZALES *[Signature]* AJV-353

JUN 24 2014

COORDINATED WITH:

ALPA, AOPA, NBAA, ZFW, AMGR

CHANGES:

1. AMENDED TAKEOFF OBSTACLE NOTES FOR RWY 17 AND RWY 35.
2. ADDED RWY 17 CONTROLLING OBSTACLE FOR VISIBILITY.
3. AMENDED COORDINATES FOR RWY 17 OBSTACLE MANDATING ODP ROUTE DEVELOPMENT.

REASONS:

1. NEW OBSTACLE.
2. IAW CURRENT DOCUMENTATION POLICY.
3. MATCH AIRNAV COORDINATES FOR OBSTACLE.



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

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

City, State	Airport	Effective Date	Amdt. No.
FORT WORTH, TX	FORT WORTH ALLIANCE	18 SEPTEMBER 2014	1

TAKEOFF MINIMUMS:

RWY 34L, 34R, STANDARD.

RWY 16L, 300-2 1/4 OR STANDARD WITH MINIMUM CLIMB OF 208 FT PER NM TO 1100, OR ALTERNATIVELY, WITH STANDARD TAKEOFF MINIMUMS AND A NORMAL 200 FT PER NM CLIMB GRADIENT, TAKEOFF MUST OCCUR NO LATER THAN 1400 FT PRIOR TO DER.

RWY 16R, 300-2 1/4 OR STANDARD WITH MINIMUM CLIMB OF 210 FT PER NM TO 1100, OR ALTERNATIVELY, WITH STANDARD TAKEOFF MINIMUMS AND A NORMAL 200 FT PER NM CLIMB GRADIENT, TAKEOFF MUST OCCUR NO LATER THAN 1500 FT PRIOR TO DER.

TEXTUAL DEPARTURE PROCEDURES:

RWY 16R – CLIMB HEADING 166.21 TO 1100 BEFORE TURNING RIGHT.

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 16L, LIGHT POLE 1285 FT FROM DER, 689 FT LEFT OF CENTERLINE, 49 FT AGL/697 FT MSL. TANK 1.8 NM FROM DER, 3121 FT RIGHT OF CENTERLINE, 148 FT AGL/954 FT MSL.

NOTE: RWY 16R, FENCE 4 FEET FROM DER, 249 FT RIGHT OF CENTERLINE, 8 FT AGL/669 FT MSL. TANK 1.8 NM FROM DER, 2520 FT RIGHT OF CENTERLINE, 148 FT AGL/954 FT MSL.

NOTE: RWY 34L, FENCE 8 FT FROM DER, 250 FT LEFT OF CENTERLINE, 5 FT AGL/719 FT MSL. RAILROAD BEGINNING 421 FT FROM DER, 287 FEET LEFT OF CENTERLINE, UP TO 23 FT AGL/738 FT MSL.

NOTE: RWY 34R, POLE 217 FT FROM DER, 145 FT LEFT OF CENTERLINE, 29 FT AGL/728 FT MSL.

CONTROLLING OBSTACLES:

RWY 16L, 16R: 954 FT MSL TANK 325641.21N/0971909.98W.

OBSTACLES MANDATING ODP ROUTE DEVELOPMENT:

RWY 16R - 1002 FT MSL TOWER 325653.00N/0971932.00W.



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City, State	Airport	Effective Date	Amdt. No.
FORT WORTH, TX	FORT WORTH ALLIANCE	18 SEPTEMBER 2014	1

REMARKS:

FLIGHT INSPECTED BY:

Robert Stuckert
Robert Stuckert

5/20/14

REQUIRED EFFECTIVE DATE:

ROUTINE

DEVELOPED BY:

Peter R. Guimond
PETER R. GUIMOND AJV-352

05/12/2014

APPROVED BY:

George Gonzales
GEORGE GONZALES AJV-353

JUN 23 2014

COORDINATED WITH:

ATA, ALPA, APA, AOPA, NBAA, ZFW, REGIONAL DEP CON, AFW TOWER, ARPT MGR

CHANGES:

1. AMENDED RWY 16 DEPARTURE PROCEDURE HEADING FROM 163.21 TO 166.21 AND TERMINATION ALTITUDE FROM 1200 TO 1100.
2. AMENDED TAKEOFF OBSTACLE NOTES FOR ALL RUNWAYS.

REASONS:

1. AIRPORT MAGVAR UPDATED FROM 7E TO 4E. TERMINATION ALTITUDE COMPUTED USING CURRENT CRITERIA.
2. NEW OBSTACLE STUDY.

QUALITY
3
2014

U.S. DEPARTMENT OF TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION
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City, State	Airport	Effective Date	Amdt. No.
FORT WORTH, TX	FORT WORTH MEACHAM INTL	18 SEPTEMBER 2014	7

TAKEOFF MINIMUMS:

RWY 16, 17, 27, STANDARD.

RWY 9, 300-1 1/2 OR STANDARD WITH MINIMUM CLIMB OF 220 FT PER NM TO 1000, OR ALTERNATIVELY, WITH STANDARD TAKEOFF MINIMUMS AND A NORMAL 200 FT PER NM CLIMB GRADIENT, TAKEOFF MUST OCCUR NO LATER THAN 1500 FT PRIOR TO DER.

RWY 34, 300-2 OR STANDARD WITH MINIMUM CLIMB OF 220 FT PER NM TO 1100, OR ALTERNATIVELY, WITH STANDARD TAKEOFF MINIMUMS AND A NORMAL 200 FT PER NM CLIMB GRADIENT, TAKEOFF MUST OCCUR NO LATER THAN 1800 FT PRIOR TO DER.

RWY 35, 300-1 1/4 OR STANDARD WITH MINIMUM CLIMB OF 205 FT PER NM TO 900, OR ALTERNATIVELY, WITH STANDARD TAKEOFF MINIMUMS AND A NORMAL 200 FT PER NM CLIMB GRADIENT, TAKEOFF MUST OCCUR NO LATER THAN 1200 FT PRIOR TO DER.

TEXTUAL DEPARTURE PROCEDURES:

RWY 9 – CLIMB HEADING 091.87 TO 1800 BEFORE PROCEEDING ON COURSE.

RWY 16 – CLIMB HEADING 163.90 TO 1600 BEFORE PROCEEDING ON COURSE.

RWY 17 – CLIMB HEADING 163.90 TO 1600 BEFORE PROCEEDING ON COURSE.

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 9, TERRAIN, WINDSOCK, FENCES, VEHICLES ON ROAD, BUILDINGS, POLES, AND TREES BEGINNING 4 FT FROM DER, 330 FT LEFT OF CENTERLINE, UP TO 46 FT AGL/721 FT MSL. VEHICLES ON ROAD, SIGNS, POLES, BUILDINGS, AND TREES BEGINNING 7 FT FROM DER, 216 FT RIGHT OF CENTERLINE, UP TO 33 FT AGL/707 FT MSL. SIGN AND TREES BEGINNING 640 FT FROM DER, 155 FT LEFT OF CENTERLINE, UP TO 43 FT AGL/708 FT MSL. TREES BEGINNING 972 FT FROM DER, 155 FT LEFT OF CENTERLINE, UP TO 63 FT AGL/720 FT MSL. ANTENNA AND SIGN BEGINNING 2450 FT FROM DER, 540 FT LEFT OF CENTERLINE, UP TO 131 FT AGL/803 FT MSL. ELEVATOR 1.2 NM FROM DER, 2211 FT LEFT OF CENTERLINE, 229 FT AGL/877 FT MSL.

NOTE: RWY 17, BUSHES 16 FT FROM DER, 160 FT RIGHT OF CENTERLINE, UP TO 3 FT AGL/674 FT MSL. LIGHT POLE 140 FT FROM DER, 454 FT LEFT OF CENTERLINE, 34 FT AGL/677 FT MSL. POLE, TOWER, HANGAR, BUILDINGS, TREES, AND ANTENNAS BEGINNING 531 FT FROM DER, 388 FT LEFT OF CENTERLINE, UP TO 59 FT AGL/722 FT MSL.

NOTE: RWY 27, TREES 237 FT FROM DER, 490 FT LEFT OF CENTERLINE, UP TO 36 FT AGL/685 FT MSL. TREES BEGINNING 750 FT FROM DER, 248 FT RIGHT OF CENTERLINE, UP TO 67 FT AGL/699 FT MSL. BUILDING AND TREES BEGINNING 1594 FT FROM DER, 610 FT LEFT OF CENTERLINE, UP TO 51 FT AGL/735 FT MSL.

NOTE: RWY 34, VEHICLES ON ROAD BEGINNING 4 FT FROM DER, 236 FT LEFT OF CENTERLINE, UP TO 17 FT AGL/722 FT MSL. POLES AND TREES BEGINNING 973 FT FROM DER, 681 FT RIGHT OF CENTERLINE, UP TO 30 FT AGL/746 FT MSL. LIGHT POLES BEGINNING 2468 FT FROM DER, 1138 FT RIGHT OF CENTERLINE, UP TO 47 FT AGL/787 FT MSL. BUILDING 1.5 NM FROM DER, 2768 FT RIGHT OF CENTERLINE, 256 FT AGL/970 FT MSL.

NOTE: RWY 35, VEHICLES ON ROAD AND TREES BEGINNING ABEAM DER, 294 FT LEFT OF CENTERLINE, UP TO 29 FT AGL/705 FT MSL. TERRAIN, FENCES, VEHICLES ON ROAD, AND POLES BEGINNING 20 FT FROM DER, 229 FT RIGHT OF CENTERLINE, UP TO 17 FT AGL/697 FT MSL. TERRAIN, DAM, FENCES, AND VEHICLES ON ROAD BEGINNING 979 FT FROM DER, 1 FT RIGHT OF CENTERLINE, UP TO 17 FT AGL/720 FT MSL. SIGN AND POLE BEGINNING 1531 FT FROM DER, 282 FT LEFT OF CENTERLINE, UP TO 62 FT AGL/755 FT MSL. TRANSMISSION TOWER 6006 FT FROM DER, 1294 FT LEFT OF CENTERLINE, 99 FT AGL/821 FT MSL. TRANSMISSION TOWER 1.0 NM FROM DER, 1957 FT LEFT OF CENTERLINE, 98 FT AGL/826 FT MSL.

CONTROLLING OBSTACLES:

RWY 9: 877 FT MSL ELEVATOR 324911.00N/0971946.00W.

RWY 34: 970 FT MSL BUILDING 325123.18N/0972128.11W.

RWY 35: 821 FT MSL TRANSMISSION TOWER 325026.45N/0972224.41W. 826 FT MSL TRANSMISSION TOWER 325026.78N/0972232.32W.

OBSTACLES MANDATING ODP ROUTE DEVELOPMENT:

RWY 9, 16, 17 – 1743 FT MSL TOWER 324501.00N/0971608.00W.

QUALITY
3
CHECKED

U.S. DEPARTMENT OF TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION
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City, State	Airport	Effective Date	Amdt. No.
FORT WORTH, TX	FORT WORTH MEACHAM INTL	18 SEPTEMBER 2014	7

REMARKS:

RWY 9, 34, AND 35 CLIMB GRADIENTS ROUNDED UP TO NEXT HIGHEST 5 FOOT INCREMENT.

FLIGHT INSPECTED BY:

Robert Stuckert
Robert Stuckert

5/20/14

REQUIRED EFFECTIVE DATE:

ROUTINE

DEVELOPED BY:

PETER R. GUIMOND
PETER R. GUIMOND

AJV-352

05/12/2014

APPROVED BY:

GEORGE GONZALES
GEORGE GONZALES

AJV-353

JUN 26 2014

COORDINATED WITH:

ALPA, AOPA, NBAA, ZFW, REGIONAL APP CON, FTW TOWER, ARPT MGR

CHANGES:

1. AMENDED RWY 9 DEPARTURE PROCEDURE CLIMB TO ALTITUDE FROM 2000 TO 1800.
2. AMENDED RWY 16 DEPARTURE PROCEDURE CLIMB TO ALTITUDE FROM 2000 TO 1600.
3. AMENDED RWY 17 DEPARTURE PROCEDURE CLIMB TO ALTITUDE FROM 2000 TO 1600.
4. AMENDED RWY 34 CLIMB GRADIENT FROM 222 FT PER NM TO 220 FT PER NM.
5. AMENDED RWY 35 TAKEOFF MINIMUMS FROM STANDARD TO 300-1 1/4 OR STANDARD WITH MINIMUM CLIMB OF 205 FT PER NM TO 900, OR ALTERNATIVELY, WITH STANDARD TAKEOFF MINIMUMS AND A NORMAL 200 FT PER NM CLIMB GRADIENT, TAKEOFF MUST OCCUR NO LATER THAN 1200 FT PRIOR TO DER.
6. AMENDED RWY 9 CLIMB GRADIENT FROM 216 FT PER NM TO 220 FT PER NM.
7. AMENDED CONTROLLING OBSTACLES FOR RWY 17 AND RWY 34. ADDED CONTROLLING OBSTACLE FOR RWY 35.
8. ADDED OBSTACLES MANDATING ODP ROUTE DEVELOPMENT FOR RWY 9, 16 AND 17.
9. AMENDED TAKEOFF OBSTACLE NOTES FOR RWY 9, 17, 27, 34, AND 35.

REASONS:

- 1, 2, 3, 4, 5. NEW OBSTACLE STUDY.
6. ROUNDED TO NEXT HIGHEST FIVE FOOT INCREMENT.
- 7, 8. IAW CURRENT DOCUMENTATION POLICY.
9. NEW OBSTACLE SURVEY ADDED SINCE LAST AMENDMENT. TAKEOFF OBSTACLE NOTES FORMATTED IAW CURRENT POLICY.



U.S. DEPARTMENT OF TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION
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City, State	Airport	Effective Date	Amdt. No.
GRAND PRAIRIE, TX	GRAND PRAIRIE MUNI	18 SEPTEMBER 2014	5

TAKEOFF MINIMUMS:

RWY 17, 35, STANDARD.

TEXTUAL DEPARTURE PROCEDURES:

RWY 17 – CLIMB HEADING 189.34 TO 2500 BEFORE PROCEEDING ON COURSE.

RWY 35 – CLIMB HEADING 354.34 TO 1400 BEFORE TURNING SOUTHBOUND.

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 17, ANTENNA, TOWER, VEHICLES ON ROAD, SIGN, POLE, AND TREES BEGINNING 190 FT FROM DER, 410 FT RIGHT OF CENTERLINE, UP TO 37 FT AGL/620 FT MSL.

NOTE: RWY 35, POLE 2686 FT FROM DER, 121 FT LEFT OF CENTERLINE, 75 FT AGL/653 FT MSL.

CONTROLLING OBSTACLES:

OBSTACLES MANDATING ODP ROUTE DEVELOPMENT:

RWY 17, 35 – 2549 FT MSL TOWER 323502.67N/0965748.75W.

QUALITY
3

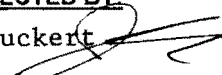
U.S. DEPARTMENT OF TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION
TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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City, State	Airport	Effective Date	Amdt. No.
GRAND PRAIRIE, TX	GRAND PRAIRIE MUNI	18 SEPTEMBER 2014	5

REMARKS:

FLIGHT INSPECTED BY:

FD Robert Stuckert 

5/20/14

REQUIRED EFFECTIVE DATE:

ROUTINE

DEVELOPED BY:

FD PETER R. GUIMOND 

AJV-352

05/12/2014

APPROVED BY:

FD GEORGE GONZALES 

AJV-353

JUN 26 2014

COORDINATED WITH:

ALPA, AOPA, NBAA, ZFW, REGIONAL APP CON, GPM TOWER, ARPT MGR

CHANGES:

1. AMENDED RWY 17 DEPARTURE PROCEDURE FROM CLIMBING RIGHT TURN TO 2000 VIA HEADING 200 AND TTT R-180 TO NINAE/TTT 24.00 DME BEFORE PROCEEDING ON COURSE TO READ CLIMB HEADING 189.34 TO 2500 BEFORE PROCEEDING ON COURSE.
2. DELETED CONTROLLING OBSTACLES. ADDED OBSTACLES MANDATING ODP ROUTE DEVELOPMENT.
3. AMENDED TAKEOFF OBSTACLE NOTES FOR RWY 17 AND RWY 35.

REASONS:

1. DEAD RECKONING COURSE ELIMINATES NEED FOR DME (ACCOMMODATES MORE USERS) AND ALLOWS FOR PROCEDURE AVAILABILITY DURING TTT VORTAC OUTAGES.
2. IAW CURRENT DOCUMENTATION POLICY.
3. NEW OBSTACLE SURVEY ADDED SINCE LAST AMENDMENT. TAKEOFF OBSTACLE NOTES FORMATTED IAW CURRENT POLICY.



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.
LANCASTER, TX	LANCASTER RGNL	18 SEPTEMBER 2014	3

TAKEOFF MINIMUMS:

RWY 13, STANDARD.

RWY 31, 300-1 1/4 OR STANDARD WITH MINIMUM CLIMB OF 205 FT PER NM TO 800, OR ALTERNATIVELY, WITH STANDARD TAKEOFF MINIMUMS AND A NORMAL 200 FT PER NM CLIMB GRADIENT, TAKEOFF MUST OCCUR NO LATER THAN 1200 FT PRIOR TO DER.

TEXTUAL DEPARTURE PROCEDURES:

RWY 31 – CLIMB HEADING 314.32 TO 1800 BEFORE TURNING LEFT.

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 31, TREES 888 FT FROM DER, 637 FT RIGHT OF CENTERLINE, UP TO 35 FT AGL/536 FT MSL. TREES BEGINNING 1133 FT FROM DER, 479 FT LEFT OF CENTERLINE, UP TO 45 FT AGL/541 FT MSL. TRANSMISSION TOWER 1.0 NM FROM DER, 1685 FT RIGHT OF CENTERLINE, 127 FT AGL/661 FT MSL.

CONTROLLING OBSTACLES:

RWY 31: 661 FT MSL TRANSMISSION TOWER 323601.76N/0964358.15W.

OBSTACLES MANDATING ODP ROUTE DEVELOPMENT:

RWY 31 – 2549 FT MSL TOWER 323502.67N/0965748.75W.



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City, State	Airport	Effective Date	Amdt. No.
LANCASTER, TX	LANCASTER RGNL	18 SEPTEMBER 2014	3

REMARKS:

RWY 31 CLIMB GRADIENT ROUNDED UP TO NEXT HIGHEST FIVE FOOT INCREMENT.

FLIGHT INSPECTED BY:

Robert Stuckert
Robert Stuckert

5/20/14

REQUIRED EFFECTIVE DATE:

ROUTINE

DEVELOPED BY:

PETER R. GUIMOND
PETER R. GUIMOND

AJV-352

05/12/2014

APPROVED BY:

GEORGE GONZALES
GEORGE GONZALES

AJV-353

JUN 26 2014

COORDINATED WITH:

ALPA, AOPA, NBAA, ZFW, REGIONAL APP CON, ARPT MGR

CHANGES:

1. AMENDED RWY 31 TAKEOFF MINIMUMS FROM 300-1 1/2 OR STANDARD WITH MINIMUM CLIMB OF 221 FT PER NM TO 800, OR ALTERNATIVELY, WITH STANDARD TAKEOFF MINIMUMS A NORMAL 200 FT/NM CLIMB GRADIENT, TAKEOFF MUST OCCUR NO LATER THAN 1,600 FT PRIOR TO DEPARTURE END OR RUNWAY TO READ 300-1 1/4 OR STANDARD WITH MINIMUM CLIMB OF 205 FT PER NM TO 800, OR ALTERNATIVELY, WITH STANDARD TAKEOFF MINIMUMS AND A NORMAL 200 FT PER NM CLIMB GRADIENT, TAKEOFF MUST OCCUR NO LATER THAN 1200 FT PRIOR TO DER.
2. AMENDED RWY 31 DEPARTURE COURSE FROM 314.31 TO 314.32.
3. AMENDED RWY 31 CONTROLLING OBSTACLES. ADDED OBSTACLE MANDATING ODP ROUTE DEVELOPMENT.
4. DELETED RWY 13 TAKEOFF OBSTACLE NOTE.
5. AMENDED RWY 31 TAKEOFF OBSTACLE NOTE.

REASONS:

1. NEW OBSTACLE STUDY. WORDING FORMATTED IAW CURRENT DOCUMENTATION POLICY.
2. MATCH MAGNETIC RUNWAY HEADING VALUE IN AIRNAV.
3. FORMATTED IAW CURRENT DOCUMENTATION POLICY.
4. NEW OBSTACLE SURVEY ADDED SINCE LAST AMENDMENT. 40:1 SURFACE IS CLEAR OF PENETRATIONS.
5. NEW OBSTACLE SURVEY ADDED SINCE LAST AMENDMENT. FORMATTED IAW CURRENT DOCUMENTATION POLICY.



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.
MESQUITE, TX	MESQUITE METRO	18 SEPTEMBER 2014	4

TAKEOFF MINIMUMS:

RWY 17, 35, STANDARD.

TEXTUAL DEPARTURE PROCEDURES:

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 17, FENCE AND TREES BEGINNING ABEAM DER, 362 FT LEFT OF CENTERLINE, UP TO 5 FT AGL/447 FT MSL. SIGN, VEHICLES ON ROAD, AND TREES BEGINNING 254 FT FROM DER, 453 FT LEFT OF CENTERLINE, UP TO 49 FT AGL/478 FT MSL.

NOTE: RWY 35, TREES BEGINNING 45 FT FROM DER, 389 FT RIGHT OF CENTERLINE, UP TO 29 FT AGL/452 FT MSL. POLE 814 FT FROM DER, 288 FT RIGHT OF CENTERLINE, 27 FT AGL/467 FT MSL. BUILDING, POLE, AND TREES BEGINNING 53 FT FROM DER, 497 FT LEFT OF CENTERLINE, UP TO 41 FT AGL/483 FT MSL.

CONTROLLING OBSTACLES:



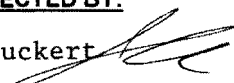
U.S. DEPARTMENT OF TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION
TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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.
MESQUITE, TX	MESQUITE METRO	18 SEPTEMBER 2014	4

REMARKS:

FLIGHT INSPECTED BY:

for Robert Stuckert 

5/20/14

REQUIRED EFFECTIVE DATE:

ROUTINE

DEVELOPED BY:

for PETER R. GUIMOND 

AJV-352

05/12/2014

APPROVED BY:

for GEORGE GONZALES 

AJV-353

JUN 26 2014

COORDINATED WITH:

ALPA, AOPA, NBAA, ZFW, REGIONAL APP CON, ARPT MGR

CHANGES:

1. DELETED RWY 17 DEPARTURE PROCEDURE AND RWY 17 CONTROLLING OBSTACLE.
2. AMENDED RWY 17 AND RWY 35 TAKEOFF OBSTACLE NOTES.

REASONS:

1. HEIGHT OF CONTROLLING OBSTACLE AMENDED FROM 944 MSL TO 856 MSL. NO LONGER PENETRATES 40:1 SURFACE.
2. NEW OBSTACLE SURVEY ADDED SINCE LAST AMENDMENT.



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.
MIDLOTHIAN/WAXAHACHIE, TX	MID-WAY RGNL	18 SEPTEMBER 2014	2

TAKEOFF MINIMUMS:

RWY 18, 36, STANDARD.

TEXTUAL DEPARTURE PROCEDURES:

RWY 18 – CLIMB HEADING 177.98 TO 1700 BEFORE PROCEEDING NORTHBOUND.

RWY 36 – CLIMB HEADING 012.98 TO 2700 BEFORE TURNING LEFT.

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 18, VEHICLES ON ROAD, CATENARIES, AND POLES BEGINNING 159 FT FROM DER, 465 FT RIGHT OF CENTERLINE, UP TO 39 FT AGL/712 FT MSL. TREES BEGINNING 956 FT FROM DER, 594 FT LEFT OF CENTERLINE, UP TO 71 FT AGL/722 FT MSL.

NOTE: RWY 36, TREES BEGINNING 6 FT FROM DER, 334 FT LEFT OF CENTERLINE, UP TO 34 FT AGL/753 FT MSL. TREES BEGINNING 82 FT FROM DER, 251 FT RIGHT OF CENTERLINE, UP TO 40 FT AGL/759 FT MSL. CATENARIES AND TREES BEGINNING 1067 FT FROM DER, 629 FT LEFT OF CENTERLINE, UP TO 37 FT AGL/765 FT MSL.

CONTROLLING OBSTACLES:

OBSTACLES MANDATING ODP ROUTE DEVELOPMENT:

RWY 18 – 2449 FT MSL TOWER 323235.00N/0965733.00W.

RWY 36 – 2549 FT MSL TOWER 323502.67N/0965748.75W.



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

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

City, State	Airport	Effective Date	Amdt. No.
MIDLOTHIAN/WAXAHACHIE, TX	MID-WAY RGNL	18 SEPTEMBER 2014	2

REMARKS:

RWY 36 DEPARTURE COURSE OFFSET 15 DEGREES FOR OBSTACLE AVOIDANCE AND TO ENSURE DEAD RECKONING SEGMENT DOES NOT EXCEED 10 NM.

FLIGHT INSPECTED BY:

FOR Robert Stuckert *[Signature]*

5/20/14

REQUIRED EFFECTIVE DATE:

ROUTINE

DEVELOPED BY:

FOR PETER R. GUIMOND *[Signature]* AJV-352

05/12/2014

APPROVED BY:

FOR GEORGE GONZALES *[Signature]* AJV-353

JUN 24 2014

COORDINATED WITH:

ALPA, AOPA, NBAA, ZFW, REGIONAL APP CON, ARPT MGR

CHANGES:

1. AMENDED RWY 18 TEXTUAL DEPARTURE PROCEDURE FROM CLIMB RUNWAY HEADING TO 2000 BEFORE TURNING NORTH TO READ CLIMB HEADING 177.98 TO 1700 BEFORE PROCEEDING NORTHBOUND.
2. AMENDED RWY 36 TEXTUAL DEPARTURE PROCEDURE FROM CLIMB RUNWAY HEADING TO 3600 BEFORE TURNING WEST TO READ CLIMB HEADING 012.98 TO 2700 BEFORE TURNING LEFT.
3. AMENDED RWY 18 AND RWY 36 TAKEOFF OBSTACLE NOTES.

REASONS:

1. RUNWAY HEADING REPLACED WITH MAGNETIC HEADING IAW CURRENT DOCUMENT POLICY. CLIMB TO ALTITUDE AMENDED FROM 2000 TO 1700 DUE TO NEW OBSTACLE STUDY.
2. DEPARTURE COURSE OFFSET 15 DEGREES FOR OBSTACLE AVOIDANCE AND TO ENSURE DEAD RECKONING SEGMENT DOES NOT EXCEED 10 NM. CLIMB TO ALTITUDE AMENDED FROM 3600 TO 2700 DUE TO NEW OBSTACLE STUDY.
3. NEW OBSTACLE STUDY.



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.
ROCKWALL, TX	RALPH M HALL/ROCKWALL MUNI	18 SEPTEMBER 2014	1

TAKEOFF MINIMUMS:

RWY 17, 35, STANDARD.

TEXTUAL DEPARTURE PROCEDURES:

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 17, VEHICLES ON ROAD BEGINNING 19 FT FROM DER, ON CENTERLINE AND LEFT AND RIGHT OF CENTERLINE, UP TO 15 FT AGL/584 FT MSL. TREES BEGINNING 128 FT FROM DER, 354 FT LEFT OF CENTERLINE, UP TO 30 FT AGL/599 FT MSL. TREES BEGINNING 135 FT FROM DER, 205 FT RIGHT OF CENTERLINE, UP TO 30 FT AGL/589 FT MSL. TREES BEGINNING 810 FT FROM DER, ON CENTERLINE AND LEFT AND RIGHT OF CENTERLINE, UP TO 100 FT AGL/679 FT MSL.

NOTE: RWY 35, TRANSMISSION LINE AND TRANSMISSION TOWERS BEGINNING 362 FT FROM DER, ON CENTERLINE AND LEFT AND RIGHT OF CENTERLINE, UP TO 91 FT AGL/607 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.
ROCKWALL, TX	RALPH M HALL/ROCKWALL MUNI	18 SEPTEMBER 2014	1

REMARKS:

FLIGHT INSPECTED BY:


Robert Stuckert

5/20/14

REQUIRED EFFECTIVE DATE:

ROUTINE

DEVELOPED BY:


PETER R. GUIMOND AJV-352

05/12/2014

APPROVED BY:


GEORGE GONZALES AJV-353

JUN 26 2014

COORDINATED WITH:

ALPA, AOPA, NBAA, ZFW, REGIONAL APP CON, ARPT MGR

CHANGES:

1. REMOVED NOTE: CROSS RWY 17 DER AT OR ABOVE 598 FT MSL/35 FT AGL.
2. REMOVED NOTE: CROSS RWY 35 DER AT OR ABOVE 594 FT MSL/35 FT AGL.
3. AMENDED RWY 17 AND RWY 35 TAKEOFF OBSTACLE NOTES.
4. DELETED CONTROLLING OBSTACLES.
5. AMENDED AIRPORT NAME FROM ROCKWALL MUNI TO RALPH M HALL/ROCKWALL MUNI.

REASONS:

1. NOTE NO LONGER AUTHORIZED.
2. NOTE NO LONGER AUTHORIZED.
3. NEW OBSTACLE STUDY.
4. ALL 40:1 SURFACE PENETRATIONS QUALIFY AS LOW, CLOSE-IN AND ARE NOTED IAW CURRENT POLICY.
5. MATCH AIRNAV DATA.



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

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NOTES, (CONT.):

CHART NOTE: NIGHT LANDING: RWY 2 NA.

CHART NOTE: FOR INOPERATIVE MALSR, INCREASE S-LOC 20 CAT C AND D VISIBILITY TO 2 MILES.

CHART NOTE: FOR INOPERATIVE MALSR, WHEN USING SEATTLE-TACOMA INTL ALTIMETER SETTING, INCREASE S-LOC 20 CAT C AND D VISIBILITY TO 2 1/2 MILES.



CITY AND STATE BREMERTON, WA	ELEVATION: 444 AIRPORT NAME: BREMERTON NATIONAL	TDZE: 441	FACILITY IDENTIFIER: I-PWT	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 20, AMDT 17 18 SEPTEMBER 2014	SUP:
					AMDT: 16
					DATED: 08/22/2013

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 KPWTk1FI20	AOLM	010OLM	KID OV	IF					18000			0	NS
SUSAP KPWTk1FI20	AOLM	020WUMOXK1PC0E	TF					+ 03500				0	NS
SUSAP KPWTk1FI20	AOLM	030WUMOXK1PC0EE AR	PI	IPWTk1	0168007533180100PI			+ 03000				0	NS
SUSAP KPWTk1FI20	ASEA	010SEA	KID OV	IF					18000			0	NS
SUSAP KPWTk1FI20	ASEA	020WUMOXK1PC0E	TF					+ 03500				0	NS
SUSAP KPWTk1FI20	ASEA	030WUMOXK1PC0EE AR	PI	IPWTk1	0168007533180100PI			+ 03000				0	NS
SUSAP KPWTk1FI20	I	010CFFWMK1PC0E	I	IF	IPWTk1	01680135	PI	J	030000250018000			0	NS
SUSAP KPWTk1FI20	I	020WUMOXK1PC0E	F	CF	IPWTk1	0168007519700060PI	H	0250002500		-300MNC	K1DB0	NS	
SUSAP KPWTk1FI20	I	030RW20 K1PG0GY M	CF	IPWTk1	0168001219700063PI			00490		-300		0	NS
SUSAP KPWTk1FI20	I	040	0 M	VI		1970						0	NS
SUSAP KPWTk1FI20	I	050CARROK1EA0EY	CF	OLM K1	3463019416630070D			+ 04000				0	NS
SUSAP KPWTk1FI20	I	060CARROK1EA0EE R	HM			1663T010		+ 04000				0	NS

[illegible]

QUALITY
3
6789012
2
REMOVED

SUP:	
AMDT:	16
DATED:	08/22/2013

FLIGHT STANDARDS SERVICES - FAR PART 97.29

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

[illegible]

2

SUP:	
AMDT:	16
DATED:	08/22/2013

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - FAR PART 97.29

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ARINC SUMMARY - 424-18 - ILS

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	OLM	OLM	010		IF		FB					
	OLM	WUMOX	020		TF		FB				AA 03500	
	OLM	WUMOX	030	IAF	PI	R	FB		331.8 ()	010.0	AA 03000	
	SEA	SEA	010		IF		FB					
	SEA	WUMOX	020		TF		FB				AA 03500	
	SEA	WUMOX	030	IAF	PI	R	FB		331.8 ()	010.0	AA 03000	
		CFFWM	010	FACF	IF		FB				AA 03000	GI 02500
		WUMOX	020	PAF	CF		FB		197.0 ()	006.0	GI 02500	GS 02500
		RW20	030	MAP	CF		FO		197.0 ()	006.3	AT 00490	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		VI		FB		197.0 ()			
	CARRO	050		CF		FO		166.3 ()	007.0	AA 04000	
	CARRO	060		HM	R	FO		166.3 ()	001.0	AA 04000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	OLM	N465817.90	W1225406.60	N4658.298	W12254.110
	SEA	N472607.34	W1221834.62	N4726.122	W12218.577
	MNC	N471453.09	W1230510.89	N4714.885	W12305.182
	CARRO	N471738.03	W1225127.86	N4717.634	W12251.464
	CFFWM	N474009.98	W1223538.00	N4740.166	W12235.633
	WUMOX	N473507.83	W1224026.84	N4735.131	W12240.447
	RW20	N472949.77	W1224529.68	N4729.830	W12245.495
	IPWT (LOC)	N472851.61	W1224624.92	N4728.860	W12246.415

RUNWAY DATA	THRESHOLD	ELEVATION	TCH
RWY			
RW20	00441		49

CITY AND STATE
BREMERTON, WA

ELEVATION: 444 TDZE: 441
AIRPORT NAME:
BREMERTON NATIONAL

FACILITY
IDENTIFIER:
I-PWT

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
ILS OR LOC RWY 20, AMDT 17
18 SEPTEMBER 2014

SUP:
AMDT: 16
DATED: 08/22/2013

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 KPWTk1FL20	AOLM	010OLM	K1D 0V	IF						18000		0	NS
SUSAP KPWTk1FL20	AOLM	020WUMOXK1PC0E	TF						+ 03500			0	NS
SUSAP KPWTk1FL20	AOLM	030WUMOXK1PC0EE	AR	PI	IPWTk1	0168007533	180100PI		+ 03000			0	NS
SUSAP KPWTk1FL20	ASEA	010SEA	K1D 0V	IF						18000		0	NS
SUSAP KPWTk1FL20	ASEA	020WUMOXK1PC0E	TF						+ 03500			0	NS
SUSAP KPWTk1FL20	ASEA	030WUMOXK1PC0EE	AR	PI	IPWTk1	0168007533	180100PI		+ 03000			0	NS
SUSAP KPWTk1FL20	L	010CFFWMK1PC0E	I	IF	IPWTk1	01680135		PI	+ 03000	18000		0	NS
SUSAP KPWTk1FL20	L	020WUMOXK1PC0E	F	CF	IPWTk1	01680075197000	60PI		+ 02500		MNC	K1DB0	NS
SUSAP KPWTk1FL20	L	030RW20	K1PG0GY	M	CF	IPWTk1	01680012197000	63PI		00490	-301		NS
SUSAP KPWTk1FL20	L	040	0	M	VI		1970					0	NS
SUSAP KPWTk1FL20	L	050CARROK1EA0EY	CF	OLM	K1	34630194166300	70D		+ 04000			0	NS
SUSAP KPWTk1FL20	L	060CARROK1EA0EE	R	HM			1663T010		+ 04000			0	NS

[illegible]

CITY AND STATE
BREMERTON, WA

ELEVATION: 444 TDZE: 441
AIRPORT NAME:
BREMERTON NATIONAL

FACILITY
IDENTIFIER:

I-PWT

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
ILS OR LOC RWY 20, AMDT 17
18 SEPTEMBER 2014

SUP:	
AMDT:	16
DATED:	08/22/2013

FLIGHT STANDARDS SERVICES - FAR PART 97.25

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[illegible]

CITY AND STATE BREMERTON, WA	ELEVATION: 444	TDZE: 441	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME: BREMERTON NATIONAL			ILS OR LOC RWY 20, AMDT 17	AMDT: 16
		I-PWT		18 SEPTEMBER 2014	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
	OLM	OLM	010		IF		FB					
	OLM	WUMOX	020		TF		FB				AA 03500	
	OLM	WUMOX	030	IAF	PI	R	FB		331.8()	010.0	AA 03000	
	SEA	SEA	010		IF		FB					
	SEA	WUMOX	020		TF		FB				AA 03500	
	SEA	WUMOX	030	IAF	PI	R	FB		331.8()	010.0	AA 03000	
		CFFWM	010	FACF	IF		FB				AA 03000	
		WUMOX	020	FAF	CF		FB		197.0()	006.0	AA 02500	
		RW20	030	MAP	CF		FO		197.0()	006.3	AT 00490	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		VI		FB		197.0()			
	CARRO	050		CF		FO		166.3()	007.0	AA 04000	
	CARRO	060		HM	R	FO		166.3()	001.0	AA 04000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	OLM	N465817.90	W1225406.60	N4658.298	W12254.110
	SEA	N472607.34	W1221834.62	N4726.122	W12218.577
	MNC	N471453.09	W1230510.89	N4714.885	W12305.182
	CARRO	N471738.03	W1225127.86	N4717.634	W12251.464
	CFFWM	N474009.98	W1223538.00	N4740.166	W12235.633
	WUMOX	N473507.83	W1224026.84	N4735.131	W12240.447
	RW20	N472949.77	W1224529.68	N4729.830	W12245.495
	IPWT (LOC)	N472851.61	W1224624.92	N4728.860	W12246.415

RUNWAY DATA	THRESHOLD	ELEVATION	TCH
RWY			
RW20	00441		49

CITY AND STATE
BREMERTON, WAELEVATION: 444 TDZE: 441
AIRPORT NAME:
BREMERTON NATIONALFACILITY
IDENTIFIER:
I-PWTPROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
ILS OR LOC RWY 20, AMDT 17
18 SEPTEMBER 2014SUP:
AMDT: 16
DATED: 08/22/2013

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION NDB STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.27								Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.									
TERMINAL ROUTES										MISSED APPROACH							
FROM		TO		COURSE AND DISTANCE				ALTITUDE		ADDITIONAL FLIGHT DATA:							
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. _____ 3. FAC _____ FAF _____ DIST FAF TO MAP _____ THLD _____ 4. MIN. ALT _____ 8. MSA FROM: _____										MAG VAR: _____		EPOCH YEAR: _____					
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT										ALTERNATE: N A							
CATEGORY =====>		A		B		C		D		E							
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA		
NOTES: PROCEDURE CANCELED EFFECTIVE <u>18 SEPTEMBER 2014</u>																	
CITY AND STATE BREMERTON, WA		ELEVATION: 444 AIRPORT NAME: BREMERTON NATIONAL		THRE: 444		FACILITY IDENTIFIER: PWT		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: NDB RWY 2, AMDT 2, 08/22/2013				SUP NDB RWY 1		AMDT 1A		DATE 09/09/1999	



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.
BREMERTON, WA	BREMERTON NATIONAL	18 SEPTEMBER 2014	5

TAKEOFF MINIMUMS:

RWY 2, 300-1
RWY 20, 300-1 ¼ OR STANDARD WITH MINIMUM CLIMB OF 495 FT PER NM TO 700.

TEXTUAL DEPARTURE PROCEDURES:

RWY 2, CLIMBING RIGHT TURN TO 4000 ON HEADING 220 AND OLM VORTAC R-346 TO CARRO INT/OLM 19.43 DME THENCE...
RWY 20, CLIMB HEADING 196.78 TO 4000 AND OLM VORTAC R-346 TO CARRO INT/OLM 19.43 DME THENCE...
...CONTINUE CLIMB IN HOLD (HOLD N, RT, 166.32 INBOUND) TO 4000 BEFORE PROCEEDING ON COURSE.

VISUAL CLIMB OVER AIRPORT:

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 2, BUSHES BEGINNING 380 FT FROM DER, 521 FT LEFT OF CENTERLINE, UP TO 16 FT AGL/456 FT MSL. TREES BEGINNING 1011 FT FROM DER, 709 FT RIGHT OF CENTERLINE, UP TO 75 FT AGL/495 FT MSL. TREES BEGINNING 1209 FT FROM DER, 621 FT LEFT OF CENTERLINE, UP TO 53 FT AGL/473 FT MSL. TREES BEGINNING 1674 FT FROM DER, 889 FT LEFT OF CENTERLINE, UP TO 141 FT AGL/541 FT MSL. TREES BEGINNING 2625 FT FROM DER, 878 FT LEFT OF CENTERLINE, UP TO 141 FT AGL/561 FT MSL.

NOTE: RWY 20, BUSHES BEGINNING 1 FT FROM DER, 488 FT LEFT OF CENTERLINE, UP TO 22 FT AGL/462 FT MSL. TREES BEGINNING 177 FT FROM DER, 379 FT LEFT OF CENTERLINE UP TO 74 FT AGL/514 FT MSL. TREES BEGINNING 372 FT FROM DER, 554 FT RIGHT OF CENTERLINE, UP TO 69 FT AGL/489 FT MSL. TREES BEGINNING 2217 FT FROM DER, 402 FT LEFT OF CENTERLINE, UP TO 97 FT AGL/517 FT MSL. TREES BEGINNING 3022 FT FROM DER, 158 FT RIGHT OF CENTERLINE, UP TO 135 FT AGL/555 FT MSL. TREES BEGINNING 3315 FT FROM DER, 107 FT LEFT OF CENTERLINE, UP TO 127 FT AGL/547 FT MSL.

CONTROLLING OBSTACLES:

RWY 2, 599 FT MSL TREE 472955.71N-1224510.39W, 599 FT MSL TREE 473009.89N/1224452.35W, 879 FT MSL TREE 473221.76N-1224404.97W

RWY 20, 599 FT MSL TREE 472833.70N-1224622.89W, 599 FT MSL TREE 472804.13N-1224636.80W

OBSTACLES MANDATING ODP ROUTE DEVELOPMENT: RWY 2, 20 - 2395 FT MSL TOWER 473253.00N/1224827.00W, 7956 FT MSL AAO 474621.57N/1230727.47W.

QUALITY
9
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.
BREMERTON, WA	BREMERTON NATIONAL	18 SEPTEMBER 2014	5

REMARKS:

FLIGHT INSPECTED BY:

Thomas Molokie

6/12/14

REQUIRED EFFECTIVE DATE:

ROUTINE

DEVELOPED BY:

LONNIE EVERHART (ALLISON
FOSTER)

AJV-354

2/12/2014

APPROVED BY:

GEORGE GONZALEZ

AJV-354

JUN 20 2014

COORDINATED WITH:

ALPA, AOPA, NBAA, ZSE, AMGR, WA AERO, SEA APP CON

CHANGES:

1. UPDATED RWY 02 AND RWY 20 TAKEOFF OBSTACLE NOTES.
2. COMPLETE REDESIGN OF TEXTUAL DEPARTURE PROCEDURE FOR RWY 2 FROM CLIMBING RIGHT TURN TO 6000 DIRECT CAN NDB TO CLIMBING RIGHT TURN TO 4000 ON HEADING 220 AND OLM VORTAC R-346 TO CARRO INT/OLM 19.43 DME AND RWY 20 FROM CLIMB TO 6000 DIRECT CAN NDB TO CLIMB HEADING 196.78 TO 4000 AND OLM VORTAC R-346 TO CARRO INT/OLM 19.43 DME THENCE CONTINUE CLIMB IN HOLD (HOLD N, RT, 166.32 INBOUND) TO 4000 BEFORE PROCEEDING ON COURSE.
3. ADDED RWY 20 CONTROLLING OBSTACLE 599 FT MSL TREE 472804.13N-1224636.80W
4. UPDATED OBSTACLES MANDATING ROUTE DEVELOPMENT AAO FROM 8074 MSL AAO 474850.42N/1231354.60W TO 7956 MSL AAO 474612.00N/1230751.00W.
5. RWY 20 TAKEOFF MINS CHANGED FROM STANDARD TO 300-1 ¼ OR STANDARD WITH MINIMUM CLIMB OF 495 FT PER NM TO 700.

REASONS:

- 1, 3-5. NEW MANUAL STUDY.
2. CAN NDB DECOMMISSIONED.



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.
MADISON, WI	BLACKHAWK AIRFIELD	18 SEPTEMBER 2014	2

TAKEOFF MINIMUMS:

RWY 9 STANDARD.

RWY 4, 300-2 OR STANDARD WITH MINIMUM CLIMB OF 212 FT PER NM TO 1300.

RWY 22, 300-2 OR STANDARD WITH MINIMUM CLIMB OF 479 FT PER NM TO 1300.

RWY 27, 300-2 1/4 OR STANDARD WITH MINIMUM CLIMB OF 256 FT PER NM TO 1400.

TEXTUAL DEPARTURE PROCEDURES:

RWY 4: CLIMB HEADING 042.80 TO 1500 BEFORE TURNING LEFT.

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 4, TREES BEGINNING 35 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 35 FT AGL/934 FT MSL. VEHICLE ON ROAD BEGINNING 785 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 17 FT AGL/926 FT MSL. TREES BEGINNING 1.6 NM FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 100 FT AGL/1069 FT MSL.

NOTE: RWY 9, TREES BEGINNING 141 FT FROM DER, 249 FT LEFT OF CENTERLINE, UP TO 35 FT AGL/974 FT MSL. VEHICLE ON ROAD BEGINNING 265 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 15 FT AGL/944 FT MSL. TREES AND BUILDINGS BEGINNING 1071 FT FROM DER, 612 FT RIGHT OF CENTERLINE, UP TO 30 FT AGL/939 FT MSL. TREES BEGINNING 1337 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 100 FT AGL/999 FT MSL. TREES AND BUILDINGS BEGINNING 1456 FT FROM DER, 729 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/1009 FT MSL.

NOTE: RWY 22, TREES BEGINNING 35 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 35 FT AGL/944 FT MSL. HOUSES BEGINNING 1085 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 30 FT AGL/1019 FT MSL. VEHICLES ON ROAD BEGINNING 1087 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 15 FT AGL/974 FT MSL. WATER TOWER 3995 FT FROM DER, 792 FT LEFT OF CENTERLINE, 81 FT AGL/1089 FT MSL.

NOTE: RWY 27, TREES BEGINNING 142 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 35 FT AGL/984 FT MSL. VEHICLE ON ROAD BEGINNING 222 FT FROM DER, ON CENTERLINE, UP TO 15 FT AGL/934 FT MSL. POLES AND BUILDINGS BEGINNING 1101 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 40 FT AGL/959 FT MSL. TREES 3539 FT FROM DER, 941 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/1049 FT MSL. POLE 4567 FT FROM DER, 225 FT RIGHT OF CENTERLINE, 63 FT AGL/1070 FT MSL. WATER TOWER 1.3 NM FROM DER, 335 FT RIGHT OF CENTERLINE, 177 FT AGL/1186 FT MSL. TREES BEGINNING 1.7 NM FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 100 FT AGL/ 1139 FT MSL.

CONTROLLING OBSTACLES:

RWY 4: 1169 FT MSL AAO 430745.00N/0890930.00W.

RWY 22: 1089 FT MSL WATER TOWER 430531.38N/0891147.87W

RWY 27: 1186 FT MSL TOWER 430633.37N/0891310.30W, 1239 FT MSL AAO 430618.08N/0891338.28W,

OBSTACLES MANDATING ODP ROUTE DEVELOPMENT: RWY 4: 1335 FT MSL TOWER 430831.90N/0890956.40W.



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.
MADISON, WI	BLACKHAWK AIRFIELD	18 SEPTEMBER 2014	2

REMARKS:

FLIGHT INSPECTED BY:

AD Jeffrey Haring 

5/27/14

REQUIRED EFFECTIVE DATE:

ROUTINE

DEVELOPED BY:

AR JOHN HAZELTON  AJV-353

03/03/2014

APPROVED BY:

AD GEORGE GONZALEZ  AJV-353

JUN 26 2014

COORDINATED WITH:

ALPA, AOPA, NBAA, ZAU ARTCC, AMGR, MSN APP CON.

CHANGES:

1. UPDATED RWY 4 MINIMUMS FROM 300-2 OR STANDARD WITH MINIMUM CLIMB OF 214 FT PER NM TO 1300, TO 300-2 OR STANDARD WITH MINIMUM CLIMB OF 212 FT PER NM TO 1300.
2. UPDATED RWY 22 MINIMUMS FROM STANDARD TO 300-2 OR STANDARD WITH MINIMUM CLIMB OF 479 FT PER NM TO 1300.
3. UPDATED RWY 27 MINIMUMS FROM 400-2 1/4 OR STANDARD WITH MINIMUM CLIMB OF 312 FT PER NM TO 1400, TO 300-2 1/4 OR STANDARD WITH MINIMUM CLIMB OF 256 FT PER NM TO 1400.
4. UPDATED TAKEOFF OBSTACLE NOTES.
5. UPDATED CONTROLLING OBSTACLES.

REASONS:

- 1, 4, 5. UPDATED EVALUATION.
- 2, 3. FPT T-NOTAM 3/3906, NEW OBSTACLE.



PAGE 1 OF 4 PAGES

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

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

CITY AND STATE WHEATLAND, WY	ELEVATION: 4776 AIRPORT NAME: PHIFER AIRFIELD	TDZE:	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS)-A, AMDT 1 18 SEPTEMBER 2014	SUP:
					AMDT: ORIG
					DATED: 10/25/2007

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	KEANK1FRNV-A	AHOCXU	010HOCXUK1EA0E		IF					18000		B	JC
SUSAP	KEANK1FRNV-A	AHOCXU	020FOLTIK1EA0EY	020TF			04530071	+	07700			B	JC
SUSAP	KEANK1FRNV-A	AHOCXU	030FOLTIK1EA0EE	AR	HF		26070070	+	07700			B	JC
SUSAP	KEANK1FRNV-A	AJEZZY	010JEZZYK1EA0E		IF					18000		B	JC
SUSAP	KEANK1FRNV-A	AJEZZY	020FOLTIK1EA0EY	020TF			11260139	+	07700			B	JC
SUSAP	KEANK1FRNV-A	AJEZZY	030FOLTIK1EA0EE	AR	HF		26070070	+	07700			B	JC
SUSAP	KEANK1FRNV-A	R	010FOLTIK1EA0E	I	IF			+	07700	18000		B	JC
SUSAP	KEANK1FRNV-A	R	020FEGERK1EA0E	F	051TF		26070089	+	06400		RW26	K1PGB	JC
SUSAP	KEANK1FRNV-A	R	021PEYCOK1EA0E	S	031TF		26050022	+	05700			B	JC
SUSAP	KEANK1FRNV-A	R	030RW26	K1PG0GY	M	031TF	26050029			000		B	JC
SUSAP	KEANK1FRNV-A	R	040		0	M	CA	2605	+	05500		B	JC
SUSAP	KEANK1FRNV-A	R	050FOLTIK1EA0EY	R	DF			+	07700			B	JC
SUSAP	KEANK1FRNV-A	R	060FOLTIK1EA0EE	R	HM		26070070	+	07700			B	JC

[illegible][illegible]

CITY AND STATE
WHEATLAND, WY

ELEVATION: 4776	TDZE:
AIRPORT NAME:	PHIFER AIRFIELD

FACILITY
IDENTIFIER:

RNAV

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

SUP:	
AMDT:	ORIG
DATED:	10/25/2007

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
HOCXU		HOCXU	010		IF		FB					
HOCXU		FOLTI	020		TF		FO	2.0	045.3 (054.3T)	007.1	AA 07700	
HOCXU		FOLTI	030	IAF	HF	R	FO		260.7 (269.7T)	007.0	AA 07700	
JEZZY		JEZZY	010		IF		FB					
JEZZY		FOLTI	020		TF		FO	2.0	112.6 (121.6T)	013.9	AA 07700	
JEZZY		FOLTI	030	IAF	HF	R	FO		260.7 (269.7T)	007.0	AA 07700	
		FOLTI	010	FACF	IF		FB				AA 07700	
		FEGER	020	FAF	TF		FB	0.5	260.7 (269.7T)	008.9	AA 06400	
		PEYCO	021	SDF	TF		FB	0.3	260.5 (269.5T)	002.2	AA 05700	
		RW26	030	MAP	TF		FO	0.3	260.5 (269.5T)	002.9	AT 05460	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		260.5 (269.5T)		AA 05500	
	FOLTI	050		DF	R	FO				AA 07700	
	FOLTI	060		HM	R	FO		260.7 (269.7T)	007.0	AA 07700	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	FEGER	N420322.91	W1044817.46	N4203.382	W10448.291
	FOLTI	N420326.79	W1043624.40	N4203.447	W10436.407
	HOCXU	N415916.70	W1044411.56	N4159.278	W10444.193
	JEZZY	N421043.59	W1045215.99	N4210.727	W10452.267
	PEYCO	N420321.84	W1045110.35	N4203.364	W10451.173
	RW26	N420320.15	W1045503.92	N4203.336	W10455.065

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW26	04767	50

CITY AND STATE
WHEATLAND, WY

ELEVATION: **4776** TDZE:
 AIRPORT NAME:
PHIFER AIRFIELD

FACILITY IDENTIFIER:
RNAV

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

SUP:
 AMDT: **ORIG**
 DATED: **10/25/2007**

[4910-13]

DEPARTMENT OF TRANSPORTATION

Federal Aviation Administration

14 CFR Part 97

[Docket No. [30969](#); Amdt. No. [3600](#)]

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 [JULY 3, 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
21-Aug-14	CA	Atwater	Castle	4/1126	06/24/14	ILS OR LOC/DME RWY 31, Amdt 2D
21-Aug-14	CA	Oceanside	Oceanside Muni	4/2053	06/25/14	GPS RWY 6, Orig-A
21-Aug-14	CA	Oceanside	Oceanside Muni	4/2055	06/25/14	GPS RWY 24, Orig-A
21-Aug-14	ID	Salmon	Lemhi County	4/2056	06/25/14	VOR/DME B, Orig-A
21-Aug-14	ID	Salmon	Lemhi County	4/2057	06/25/14	RNAV (GPS) D, Orig
21-Aug-14	ID	Salmon	Lemhi County	4/2058	06/25/14	RNAV (GPS) C, Orig-A
21-Aug-14	UT	Vernal	Vernal Rgnl	4/2502	06/24/14	RNAV (GPS) RWY 34, Amdt 1A
21-Aug-14	CA	Visalia	Visalia Muni	4/2570	06/24/14	RNAV (GPS) RWY 30, Amdt 1
21-Aug-14	CA	Visalia	Visalia Muni	4/2574	06/24/14	RNAV (GPS) RWY 12, Amdt 1A
21-Aug-14	CA	Visalia	Visalia Muni	4/2575	06/24/14	VOR RWY 12, Amdt 6A
21-Aug-14	CA	Visalia	Visalia Muni	4/2577	06/24/14	ILS OR LOC/DME RWY 30, Amdt 7
21-Aug-14	NY	White Plains	Westchester County	4/2821	06/19/14	ILS OR LOC RWY 34, Amdt 5
21-Aug-14	KY	Louisville	Louisville Intl- Standiford Field	4/2876	06/19/14	ILS OR LOC RWY 17R, Amdt 3A
21-Aug-14	UT	Milford	Milford Muni/Ben And Judy Briscoe Field	4/3078	06/23/14	RNAV (GPS) RWY 34, Orig
21-Aug-14	UT	Milford	Milford Muni/Ben And Judy Briscoe Field	4/3083	06/23/14	RNAV (GPS) RWY 16, Orig-A
21-Aug-14	GA	Macon	Middle Georgia Rgnl	4/3108	06/19/14	VOR RWY 23, Amdt 4
21-Aug-14	GA	Macon	Middle Georgia Rgnl	4/3111	06/19/14	VOR RWY 13, Amdt 10
21-Aug-14	GA	Macon	Middle Georgia Rgnl	4/3114	06/19/14	RNAV (GPS) RWY 23, Amdt 2
21-Aug-14	GA	Macon	Middle Georgia Rgnl	4/3115	06/19/14	RNAV (GPS) RWY 13, Amdt 2
21-Aug-14	WA	Wenatchee	Pangborn Memorial	4/3792	06/24/14	ILS X RWY 12, Orig
21-Aug-14	CO	Trinidad	Perry Stokes	4/3852	06/23/14	RNAV (GPS) RWY 3, Amdt 1
21-Aug-14	CA	Marysville	Yuba County	4/4650	06/24/14	VOR RWY 32, Amdt 10E
21-Aug-14	CA	Marysville	Yuba County	4/4652	06/24/14	ILS OR LOC RWY 14, Amdt 5B
21-Aug-14	CA	Marysville	Yuba County	4/4653	06/24/14	RNAV (GPS) RWY 32, Orig-A
21-Aug-14	CA	Marysville	Yuba County	4/4654	06/24/14	RNAV (GPS) RWY 14, Orig-A
21-Aug-14	CA	Merced	Merced Rgnl/Macready Field	4/4909	06/24/14	LOC BC RWY 12, Amdt 10E
21-Aug-14	CA	Merced	Merced Rgnl/Macready Field	4/4910	06/24/14	RNAV (GPS) RWY 12, Orig

21-Aug-14	UT	Wendover	Wendover	4/5065	06/23/14	RNAV (GPS) RWY 8, Orig
21-Aug-14	NY	Canandaigua	Canandaigua	4/5946	06/19/14	RNAV (GPS) RWY 31, Orig
21-Aug-14	ME	Brunswick	Brunswick Executive	4/5957	06/19/14	ILS OR LOC/DME RWY 1R, Orig-A
21-Aug-14	MA	Falmouth	Cape Cod Coast Guard Air Station	4/5963	06/19/14	ILS OR LOC RWY 32, Amdt 1
21-Aug-14	CO	Kremmling	Mc Elroy Airfield	4/6012	06/25/14	VOR/DME A, Amdt 3
21-Aug-14	CO	Kremmling	Mc Elroy Airfield	4/6038	06/25/14	RNAV (GPS) B, Orig
21-Aug-14	WA	Port Angeles	Port Angeles CGAS	4/6120	06/24/14	COPTER RNAV (GPS) RWY 26, Orig
21-Aug-14	NY	New York	La Guardia	4/6184	06/19/14	ILS OR LOC RWY 4, Amdt 36B
21-Aug-14	NY	New York	La Guardia	4/6185	06/19/14	RNAV (GPS) RWY 31, Amdt 1C
21-Aug-14	NY	New York	La Guardia	4/6191	06/19/14	ILS OR LOC RWY 22, Amdt 20C
21-Aug-14	NY	New York	La Guardia	4/6192	06/19/14	ILS RWY 22 (SA CAT I & II), Amdt 20C
21-Aug-14	NY	New York	La Guardia	4/6196	06/19/14	RNAV (GPS) RWY 13, Amdt 1B
21-Aug-14	GA	Jasper	Pickens County	4/6740	06/19/14	RNAV (GPS) RWY 16, Amdt 1
21-Aug-14	FL	Inverness	Inverness	4/6773	06/19/14	RNAV (GPS) RWY 1, Orig
21-Aug-14	FL	Inverness	Inverness	4/6775	06/19/14	RNAV (GPS) RWY 19, Orig
21-Aug-14	TN	Nashville	John C Tune	4/6835	06/19/14	RNAV (GPS) RWY 20, Amdt 1
21-Aug-14	TN	Nashville	John C Tune	4/6836	06/19/14	RNAV (GPS) RWY 2, Amdt 1
21-Aug-14	TN	Nashville	John C Tune	4/6839	06/19/14	ILS OR LOC/DME RWY 20, Amdt 1
21-Aug-14	MT	Miles City	Frank Wiley Field	4/6873	06/23/14	VOR/DME RWY 4, Orig
21-Aug-14	MT	Miles City	Frank Wiley Field	4/6874	06/23/14	VOR RWY 4, Amdt 12
21-Aug-14	MT	Miles City	Frank Wiley Field	4/6875	06/23/14	RNAV (GPS) RWY 4, Amdt 2
21-Aug-14	MT	Miles City	Frank Wiley Field	4/6877	06/23/14	RNAV (GPS) RWY 22, Orig-A
21-Aug-14	NY	Albany	Albany Intl	4/7792	06/19/14	RNAV (GPS) RWY 28, Orig
21-Aug-14	NY	Albany	Albany Intl	4/7793	06/19/14	RNAV (GPS) RWY 10, Orig
21-Aug-14	GA	Thomasville	Thomasville Rgnl	4/8752	06/19/14	NDB RWY 22, Amdt 6
21-Aug-14	WA	Walla Walla	Walla Walla Rgnl	4/8941	06/23/14	NDB RWY 20, Amdt 6
21-Aug-14	NY	Elmira/Corning	Elmira/Corning Rgnl	4/9298	06/19/14	RNAV (GPS) RWY 6, Amdt 2
21-Aug-14	NY	Elmira/Corning	Elmira/Corning Rgnl	4/9301	06/19/14	RNAV (GPS) RWY 24, Amdt 2
21-Aug-14	NY	Elmira/Corning	Elmira/Corning Rgnl	4/9302	06/19/14	RNAV (GPS) RWY 10, Amdt 2
21-Aug-14	NY	Elmira/Corning	Elmira/Corning Rgnl	4/9303	06/19/14	RNAV (GPS) RWY 28, Amdt 3
21-Aug-14	NY	Elmira/Corning	Elmira/Corning Rgnl	4/9304	06/19/14	ILS OR LOC RWY 6, Amdt 5

21-Aug-14	NY	Elmira/Corning	Elmira/Corning Rgnl	4/9305	06/19/14	ILS OR LOC RWY 24, Amdt 19
21-Aug-14	VA	South Boston	William M Tuck	4/9422	06/19/14	VOR A, Amdt 8A
21-Aug-14	TN	Somerville	Fayette County	4/9765	06/25/14	NDB RWY 19, Amdt 1A
21-Aug-14	TN	Somerville	Fayette County	4/9769	06/25/14	RNAV (GPS) RWY 19, Amdt 2
21-Aug-14	TN	Somerville	Fayette County	4/9770	06/25/14	RNAV (GPS) RWY 1, Orig

AIRAC Date: 21 AUGUST 2014

FDC **4/1126** MER IAP CASTLE, ATWATER, CA. ILS OR LOC/DME RWY 31, AMDT 2D... S-ILS 31 DA 381 S-LOC 31 HAT 439 ALL CATS CHART TDZE 181 DELETE THRE 178. THIS IS ILS OR LOC/DME RWY 31, AMDT 2E. 1404111527-PERM

FDC **4/2053** OKB IAP OCEANSIDE MUNI, OCEANSIDE, CA. GPS RWY 6, ORIG-A... NOTE: PROCEDURE NA AT NIGHT. NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1SM NA. THIS IS GPS RWY 6, ORIG-B. 1406241059-PERM

FDC **4/2055** OKB IAP OCEANSIDE MUNI, OCEANSIDE, CA. GPS RWY 24, ORIG-A... NOTE: PROCEDURE NA AT NIGHT. NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1SM NA. THIS IS GPS RWY 24, ORIG-B. 1406241059-PERM

FDC **4/2056** SMN IAP LEMHI COUNTY, SALMON, ID. VOR/DME B, ORIG-A... CHART NOTE: NIGHT LANDING: RWY 35 NA. THIS IS VOR/DME B, ORIG-B. 1406241105-PERM

FDC **4/2057** SMN IAP LEMHI COUNTY, SALMON, ID. RNAV (GPS) D, ORIG... CHART NOTE: NIGHT LANDING: RWY 35 NA. THIS IS RNAV (GPS) D, ORIG-A. 1406241107-PERM

FDC **4/2058** SMN IAP LEMHI COUNTY, SALMON, ID. RNAV (GPS) C, ORIG-A... CHART NOTE: NIGHT LANDING: RWY 35 NA. THIS IS RNAV (GPS) C, ORIG-B. 1406241108-PERM

FDC **4/2502** VEL IAP VERNAL RGNL, VERNAL, UT. RNAV (GPS) RWY 34, AMDT 1A... CHANGE THRE 5265 TO TDZE 5265. THIS IS RNAV (GPS) RWY 34, AMDT 1B. 1404141235-PERM

FDC **4/2570** VIS IAP VISALIA MUNI, VISALIA, CA. RNAV (GPS) RWY 30, AMDT 1... CHANGE THRE 295 TO TDZE 295. THIS IS RNAV (GPS) RWY 30, AMDT 1A. 1404141237-PERM

FDC **4/2574** VIS IAP VISALIA MUNI, VISALIA, CA. RNAV (GPS) RWY 12, AMDT 1A... LPV DA 543. LNAV/VNAV DA 697. LNAV HAT 387 ALL CATS. CHART TDZE 293 DELETE THRE 292. THIS IS RNAV (GPS) RWY 12, AMDT 1B. 1404141238-PERM

FDC **4/2575** VIS IAP VISALIA MUNI, VISALIA, CA. VOR RWY 12, AMDT 6A... S-12 HAT 447 ALL CATS. CHART TDZE 293 DELETE THRE 292. THIS IS VOR RWY 12, AMDT 6B. 1404141238-PERM

FDC **4/2577** VIS IAP VISALIA MUNI, VISALIA, CA. ILS OR LOC/DME RWY 30, AMDT 7... CHANGE THRE 295 TO TDZE 295. THIS IS ILS OR LOC/DME RWY 30, AMDT 7A. 1404141237-PERM

FDC **4/2821** HPN IAP WESTCHESTER COUNTY, WHITE PLAINS, NY. ILS OR LOC RWY 34, AMDT 5... S-ILS 34 DA 742. S-LOC 34 HAT 399 ALL CATS. CHART TDZE 401 DELETE THRE 380. THIS IS ILS OR LOC RWY 34, AMDT 5A. 1404031126-PERM

FDC **4/2876** SDF IAP LOUISVILLE INTL-STANDIFORD FIELD, LOUISVILLE, KY. ILS OR LOC RWY 17R, AMDT 3A... CHANGE MINIMUM ALTITUDE AT SPYRS TO READ: 4000. THIS IS ILS OR LOC RWY 17R, AMDT 3B. 1406021927-PERM

FDC **4/3078** MLF IAP MILFORD MUNI/BEN AND JUDY BRISCOE FIELD, MILFORD, UT. RNAV (GPS) RWY 34, ORIG... CHANGE THRE 5039 TO TDZE 5039. THIS IS RNAV (GPS) RWY 34, ORIG-A. 1404142030-PERM

FDC **4/3083** MLF IAP MILFORD MUNI/BEN AND JUDY BRISCOE FIELD, MILFORD, UT. RNAV (GPS) RWY 16, ORIG-A... LNAV HAT 447 ALL CATS. CHART TDZE 5033 DELETE THRE 5023. THIS IS RNAV (GPS) RWY 16, ORIG-B. 1404142030-PERM

FDC **4/3108** MCN IAP MIDDLE GEORGIA RGNL, MACON, GA. VOR RWY 23, AMDT 4... CHANGE THRE 354 TO TDZE 354 DELETE NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. THIS IS VOR RWY 23, AMDT 4A. 1404031347-PERM

FDC **4/3111** MCN IAP MIDDLE GEORGIA RGNL, MACON, GA. VOR RWY 13, AMDT 10... CHANGE THRE 354 TO TDZE 354 DELETE NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. THIS IS VOR RWY 13, AMDT 10A. 1404031347-PERM

FDC **4/3114** MCN IAP MIDDLE GEORGIA RGNL, MACON, GA. RNAV (GPS) RWY 23, AMDT 2... CHANGE THRE 354 TO TDZE 354 DELETE NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. THIS IS RNAV (GPS) RWY 23, AMDT 2A. 1404031347-PERM

FDC **4/3115** MCN IAP MIDDLE GEORGIA RGNL, MACON, GA. RNAV (GPS) RWY 13, AMDT 2... CHANGE THRE 354 TO TDZE 354 DELETE NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. THIS IS RNAV (GPS) RWY 13, AMDT 2A. 1404031347-PERM

FDC **4/3792** EAT IAP PANGBORN MEMORIAL, WENATCHEE, WA. ILS X RWY 12, ORIG... S-ILS DA 1544. CHART TDZE 1226 DELETE THRE 1221. THIS IS ILS X RWY 12, ORIG-A. 1404151803-PERM

FDC **4/3852** TAD IAP PERRY STOKES, TRINIDAD, CO. RNAV (GPS) RWY 3, AMDT 1... LNAV HAT 743 ALL CATS. CHART TDZE 5757 DELETE THRE 5756. THIS IS RNAV (GPS) RWY 3, AMDT 1A. 1404151857-PERM

FDC **4/4650** MYV IAP YUBA COUNTY, MARYSVILLE, CA. VOR RWY 32, AMDT 10E... S-32 HAT 817 ALL CATS. CHART TDZE 63 DELETE THRE 60. THIS IS VOR RWY 32, AMDT 10F. 1404041817-PERM

FDC **4/4652** MYV IAP YUBA COUNTY, MARYSVILLE, CA. ILS OR LOC RWY 14, AMDT 5B... S-ILS 14 DA 264. S-LOC 14 HAT 496 ALL CATS. CHART TDZE 64 DELETE THRE 63. THIS IS ILS OR LOC RWY 14, AMDT 5C. 1404041817-PERM

FDC **4/4653** MYV IAP YUBA COUNTY, MARYSVILLE, CA. RNAV (GPS) RWY 32, ORIG-A... LPV DA 313. LNAV/VNAV DA 374. LNAV HAT 417 ALL CATS. CHART TDZE 63 DELETE THRE 60. THIS IS RNAV (GPS) RWY 32, ORIG-B. 1404041817-PERM

FDC **4/4654** MYV IAP YUBA COUNTY, MARYSVILLE, CA. RNAV (GPS) RWY 14, ORIG-A... LPV DA 264. LNAV/VNAV DA 470. LNAV HAT 396 ALL CATS. CHART TDZE 64 DELETE THRE 63. THIS IS RNAV (GPS) RWY 14, ORIG-B. 1404041817-PERM

FDC **4/4909** MCE IAP MERCED RGNL//MACREADY FIELD, MERCED, CA. LOC BC RWY 12, AMDT 10E... CHANGE THRE 155 TO TDZE 155. THIS IS LOC BC RWY 12, AMDT 10F. 1404171557-PERM

FDC **4/4910** MCE IAP MERCED RGNL//MACREADY FIELD, MERCED, CA. RNAV (GPS) RWY 12, ORIG... CHANGE THRE 155 TO TDZE 155. THIS IS RNAV (GPS) RWY 12, ORIG-A. 1404171557-PERM

FDC **4/5065** ENV IAP WENDOVER, WENDOVER, UT. RNAV (GPS) RWY 8, ORIG... CHANGE THRE 4230 TO TDZE 4230. THIS IS RNAV (GPS) RWY 8, ORIG-A. 1404071252-PERM

FDC **4/5946** D38 IAP CANANDAIGUA, CANANDAIGUA, NY. RNAV (GPS) RWY 31, ORIG... LP HAT 406 ALL CATS. LNAV HAT 446 ALL CATS. CHART TDZE 814 DELETE THRE 812. THIS IS RNAV (GPS) RWY 31, ORIG-A. 1404211215-PERM

FDC **4/5957** BXM IAP BRUNSWICK EXECUTIVE, BRUNSWICK, ME. ILS OR LOC/DME RWY 1R, ORIG-A... S-ILS 1R DA 313 ALL CATS. S-LOC HAT 337 ALL CATS. CHART TDZE 63 DELETE THRE 62. THIS IS ILS OR LOC/DME RWY 1R, ORIG-B. 1404211236-PERM

FDC **4/5963** FMH IAP CAPE COD COAST GUARD AIR STATION, FALMOUTH, MA. ILS OR LOC RWY 32, AMDT 1... S-ILS 32 DA *316 ALL CATS. S-LOC 32 HAT 404 ALL CATS. CHART TDZE 116 DELETE THRE 110. THIS IS ILS OR LOC RWY 32, AMDT 1A. 1404211233-PERM

FDC **4/6012** 20V IAP MC ELROY AIRFIELD, KREMMLING, CO. VOR/DME A, AMDT 3... DELETE NOTE: PROCEDURE NA AT NIGHT. CHART NOTE: NIGHT LANDING RWY 9 NA. THIS IS VOR/DME A, AMDT 3A. 1405291911-PERM

FDC **4/6038** 20V IAP MC ELROY AIRFIELD, KREMMLING, CO. RNAV (GPS) B, ORIG... DELETE NOTE: PROCEDURE NA AT NIGHT. CHART NOTE: NIGHT LANDING RWY 9 NA. THIS IS RNAV (GPS) B, ORIG-A. 1405291911-PERM

FDC **4/6120** NOW IAP PORT ANGELES CGAS, PORT ANGELES, WA. COPTER RNAV (GPS) RWY 26, ORIG... LNAV HAT 551. CHART TDZE 9 DELETE THRE 8. DELETE NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. THIS IS COPTER RNAV (GPS) RWY 26, ORIG-A. 1404081410-PERM

FDC **4/6184** LGA IAP LA GUARDIA, NEW YORK, NY. ILS OR LOC RWY 4, AMDT 36B... CHANGE THRE 21 TO TDZE 21. THIS IS ILS OR LOC RWY 4, AMDT 36C. 1404081508-PERM

FDC **4/6185** LGA IAP LA GUARDIA, NEW YORK, NY. RNAV (GPS) RWY 31, AMDT 1C... CHANGE THRE 7 TO TDZE 7. THIS IS RNAV (GPS) RWY 31, AMDT 1D. 1404081508-PERM

FDC **4/6191** LGA IAP LA GUARDIA, NEW YORK, NY. ILS OR LOC RWY 22, AMDT 20C... CHANGE THRE 12 TO TDZE 12. THIS IS ILS OR LOC RWY 22, AMDT 20D. 1404081508-PERM

FDC **4/6192** LGA IAP LA GUARDIA, NEW YORK, NY. ILS RWY 22 (SA CAT I & II), AMDT 20C... CHANGE THRE 12 TO TDZE 12. THIS IS ILS RWY 22 (SA CAT I & II), AMDT 20D. 1404081508-PERM

FDC **4/6196** LGA IAP LA GUARDIA, NEW YORK, NY. RNAV (GPS) RWY 13, AMDT 1B... CHANGE THRE 12 TO TDZE 12. THIS IS RNAV (GPS) RWY 13, AMDT 1C. 1404081508-PERM

FDC **4/6740** JZP IAP PICKENS COUNTY, JASPER, GA. RNAV (GPS) RWY 16, AMDT 1... LPV DA 1925 ALL CATS. LNAV/VNAV DA 1838 ALL CATS. LNAV HAT 465 ALL CATS. CHART TDZE 1515 DELETE THRE 1501. DELETE NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. THIS IS RNAV (GPS) RWY 16, AMDT 1A. 1404221657-PERM

FDC **4/6773** INF IAP INVERNESS, INVERNESS, FL. RNAV (GPS) RWY 1, ORIG...
CHANGE THRE 65 TO TDZE 65. THIS IS RNAV (GPS) RWY 1, ORIG-A.
1404221816-PERM

FDC **4/6775** INF IAP INVERNESS, INVERNESS, FL. RNAV (GPS) RWY 19, ORIG...
LNAV HAT 526 ALL CATS. CHART TDZE 54 DELETE THRE 41. THIS IS RNAV
(GPS) RWY 19, ORIG-A. 1404221816-PERM

FDC **4/6835** JWN IAP JOHN C TUNE, NASHVILLE, TN. RNAV (GPS) RWY 20,
AMDT 1... CHANGE THRE 493 TO TDZE 493. THIS IS RNAV (GPS) RWY 20, AMDT
1A. 1404221859-PERM

FDC **4/6836** JWN IAP JOHN C TUNE, NASHVILLE, TN. RNAV (GPS) RWY 2, AMDT
1... LPV DA 733. LNAV/VNAV DA 1040. LNAV HAT 677 ALL CATS. CHART TDZE
483 DELETE THRE 458. THIS IS RNAV (GPS) RWY 2, AMDT 1A. 1404221859-
PERM

FDC **4/6839** JWN IAP JOHN C TUNE, NASHVILLE, TN. ILS OR LOC/DME RWY 20,
AMDT 1... CHANGE THRE 493 TO TDZE 493. THIS IS ILS OR LOC/DME RWY 20,
AMDT 1A. 1404221859-PERM

FDC **4/6873** MLS IAP FRANK WILEY FIELD, MILES CITY, MT. VOR/DME RWY 4,
ORIG... CHANGE THRE 2629 TO TDZE 2629. THIS IS VOR/DME RWY 4, ORIG-A.
1404222043-PERM

FDC **4/6874** MLS IAP FRANK WILEY FIELD, MILES CITY, MT. VOR RWY 4, AMDT
12... CHANGE THRE 2629 TO TDZE 2629. THIS IS VOR RWY 4, AMDT 12A.
1404222043-PERM

FDC **4/6875** MLS IAP FRANK WILEY FIELD, MILES CITY, MT. RNAV (GPS) RWY 4,
AMDT 2... CHANGE THRE 2629 TO TDZE 2629. THIS IS RNAV (GPS) RWY 4,
AMDT 2A. 1404222043-PERM

FDC **4/6877** MLS IAP FRANK WILEY FIELD, MILES CITY, MT. RNAV (GPS) RWY
22, ORIG-A... LPV DA 2879. LNAV/VNAV DA 2893. LNAV HAT 371 ALL CATS.
CHANGE THRE 2626 TO TDZE 2629. THIS IS RNAV (GPS) RWY 22, ORIG-B.
1404222043-PERM

FDC **4/7792** ALB IAP ALBANY INTL, ALBANY, NY. RNAV (GPS) RWY 28, ORIG...
LPV DA 783. LNAV/VNAV DA 825. LNAV HAT 475 ALL CATS. CHART TDZE 285
DELETE THRE 277. DELETE NOTE: VISIBILITY REDUCTION BY HELICOPTERS
NA. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NA. THIS
IS RNAV (GPS) RWY 28, ORIG-A. 1404241240-PERM

FDC **4/7793** ALB IAP ALBANY INTL, ALBANY, NY. RNAV (GPS) RWY 10, ORIG... LP HAT 562 ALL CATS. LNAV HAT 622 ALL CATS. CHART TDZE 278 DELETE THRE 277. DELETE NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NA. THIS IS RNAV (GPS) RWY 10, ORIG-A. 1404241240-PERM

FDC **4/8752** TVI IAP THOMASVILLE RGNL, THOMASVILLE, GA. NDB RWY 22, AMDT 6... S-22 HAT 458 ALL CATS. CHART TDZE 242 DELETE THRE 230. THIS IS NDB RWY 22, AMDT 6A. 1404101241-PERM

FDC **4/8941** ALW IAP WALLA WALLA RGNL, WALLA WALLA, WA. NDB RWY 20, AMDT 6... CHANGE THRE 1194 TO TDZE 1194. THIS IS NDB RWY 20, AMDT 6A. 1404101324-PERM

FDC **4/9298** ELM IAP ELMIRA/CORNING RGNL, ELMIRA/CORNING, NY. RNAV (GPS) RWY 6, AMDT 2... LPV DA 1144. LNAV/VNAV DA 2234. LNAV HAT 1096 ALL CATS. CHART TDZE 944 DELETE THRE 940. CHANGE CIRCLING TO RWY 10 AND 28 NA AT NIGHT NOTE TO READ: NIGHT LANDING: RWY 10 NA. CHANGE LOCAL ALTIMETER SETTING NOT RECEIVED, USE PENN YAN ALTIMETER SETTING NOTE TO READ: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE PENN YAN ALTIMETER SETTING AND INCREASE LPV DA 73 FEET AND ALL MDA 80 FEET, AND INCREASE LNAV CATS A/C/D VISIBILITY 1/2 MILE; INOPERATIVE TABLE DOES NOT APPLY TO LNAV CATS A/C/D; FOR INOPERATIVE MALSR, INCREASE LPV ALL CATS VISIBILITY TO 7/8. THIS IS RNAV (GPS) RWY 6, AMDT 2A. 1406171642-PERM

FDC **4/9301** ELM IAP ELMIRA/CORNING RGNL, ELMIRA/CORNING, NY. RNAV (GPS) RWY 24, AMDT 2... LPV DA** 1155. LPV DA 1348. LNAV/VNAV DA 1807/HAT 852 ALL CATS. LNAV HAT 785 ALL CATS. CHART TDZE 955 DELETE THRE 954. CHANGE CIRCLING TO RWY 10 AND 28 NA AT NIGHT NOTE TO READ: NIGHT LANDING: RWY 10 NA. CHANGE FOR UNCOMPENSATED BARO-VNAV SYSTEMS NOTE TO READ: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -20C (-4F) OR ABOVE 54C (130F). CHART NOTE: FOR INOPERATIVE MALSR, INCREASE LNAV CATS C/D VISIBILITY TO 2 1/2 MILE. CHANGE LOCAL ALTIMETER SETTING NOTE TO READ: WHEN LOCAL ALTIEMTER SETTING NOT RECEIVED, USE PENN YAN ALTIMETER SETTING AND INCREASE ALL DA 73 FEET AND ALL MDA 80, AND INCREASE LPV ALL CATS AND LNAV CATS C/D VISIBILITY 1/4 MILE AND LNAV/VNAV ALL CATS VISIBILITY 1 1/2 MILE; INOPERATIVE TABLE DOES NOT APPLY TO LNAV/VNAV ALL CATS; FOR INOPERATIVE MALSR, INCREASE LPV DA** ALL CATS VISIBILITY TO 7/8 AND LPV ALL CATS VISIBILITY TO 1 1/2. THIS IS RNAV (GPS) RWY 24, AMDT 2A. 1406171642-PERM

FDC **4/9302** ELM IAP ELMIRA/CORNING RGNL, ELMIRA/CORNING, NY. RNAV (GPS) RWY 10, AMDT 2... LP HAT 1338 ALL CATS. LNAV HAT 1338 ALL CATS. CHANGE VISIBILITY REDUCTION BY HELICOPTERS NA NOTE TO READ: HELICOPTER VISIBILITY REDUCTION BELOW 1SM NOT AUTHORIZED. CHANGE STRAIGHT-IN/CIRCLING RWY 10 PROCEDURES NA AT NIGHT NOTE TO READ: NIGHT LANDING: RWY 10 NA. DELETE NOTE: CIRCLING TO RWY 28 NA AT NIGHT. CHART TDZE 942 DELETE THRE 934. THIS IS RNAV (GPS) RWY 10, AMDT 2A. 1406171642-PERM

FDC **4/9303** ELM IAP ELMIRA/CORNING RGNL, ELMIRA/CORNING, NY. RNAV (GPS) RWY 28, AMDT 3... DELETE NOTE: STRAIGHT-IN/CIRCLING RWY 28 PROCEDURE NA AT NIGHT. CHANGE VISIBILITY REDUCTION BY HELICOPTERS NA NOTE TO READ: HELICOPTER VISIBILITY REDUCTION BELOW 3/4SM NOT AUTHORIZED DELETE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT. CHANGE THRE 944 TO TDZE 944. CHART VDP AT 1.75 MILES TO RW28. THIS IS RNAV (GPS) RWY 28, AMDT 3A. 1406171642-PERM

FDC **4/9304** ELM IAP ELMIRA/CORNING RGNL, ELMIRA/CORNING, NY. ILS OR LOC RWY 6, AMDT 5... S-ILS 6 DA 1144. S-LOC 6 HAT 1376 ALL CATS. VIS CAT A 1 1/4. CONAC FIX MINIMUMS** S-LOC 6 HAT 1076 ALL CATS. CHANGE CIRCLING TO RWY 10 AND 28 NA AT NIGHT NOTE TO READ: NIGHT LANDING: RWY 10 NA. CHART TDZE 944 DELETE THRE 940. CHANGE LOCAL ALTIMETER SETTING NOTE TO READ: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE PENN YAN ALTIMETER SETTING AND INCREASE ALL DA 73 FEET AND ALL MDA 80, AND INCREASE S-LOC 6 CAT B AND CONAC FIX MINIMUMS S-LOC 6 CATS C/D VISIBILITY 1/2 MILE; INOPERATIVE TABLE DOES NOT APPLY TO S-LOC 6 ALL CATS AND CONAC FIX MINIMUMS S-LOC 6 CATS C/D; FOR INOPERATIVE MALSR INCREASE S-ILS 6 ALL CATS VISIBILITY TO 7/8 MILE. THIS IS ILS OR LOC RWY 6, AMDT 5A. 1406171642-PERM

FDC **4/9305** ELM IAP ELMIRA/CORNING RGNL, ELMIRA/CORNING, NY. ILS OR LOC RWY 24, AMDT 19... S-ILS 24 # DA 1155. S-ILS 24 DA 1346. S-LOC 24 HAT 1085 ALL CATS. ERINN FIX MINIMUMS** S-LOC 24 HAT 645 ALL CATS. CHANGE CIRCLING TO RWY 10 AND 28 NA AT NIGHT NOTE TO READ: NIGHT LANDING: RWY 10 NA. CHART TDZE 955 DELETE THRE 954. CHANGE LOCAL ALTIMETER SETTING NOTE TO READ: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE PENN YAN ALTIMETER SETTING AND INCREASE ALL DA 73 FEET AND ALL MDA 80 FEET, AND INCREASE S- ILS 24 ALL CATS AND ERINN FIX MINIMUMS S-LOC 24 CATS C/D VISIBILITY 1/4 MILE AND S-LOC 24 CATS A/C/D VISIBILITY 1/2 MILE; INOPERATIVE TABLE DOES NOT APPLY TO S-LOC 24 CATS A/C/D; FOR INOPERATIVE MALSR, INCREASE S-ILS 24# ALL CATS VISIBILITY TO 7/8 MILE, INCREASE S-ILS 24 ALL CATS VISIBILITY TO 1 1/2 MILE. THIS IS ILS OR LOC RWY 24, AMDT 19A. 1406171642-PERM

FDC **4/9422** W78 IAP WILLIAM M TUCK, SOUTH BOSTON, VA. VOR A, AMDT 8A... DICYE FIX MINIMUMS CIRCLING MDA 980/HAA 560 ALL CATS. DELETE NOTE: CIRCLING NA TO RWY 6 AND 24. CHART NOTE: CIRCLING RWYS 6, 19, AND 24 NA AT NIGHT. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. THIS IS VOR A, AMDT 8B. 1406171936-PERM

FDC **4/9765** FYE IAP FAYETTE COUNTY, SOMERVILLE, TN. NDB RWY 19, AMDT 1A... CHART NOTE: PROCEDURE NA AT NIGHT. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE MEMPHIS INTL ALTIMETER SETTING AND INCREASE ALL MDA 100 FEET AND INCREASE S-19 AND CIRCLING VISIBILITY CAT C 1/4 MILE. THIS IS NDB RWY 19, AMDT 1B. 1406181335-PERM

FDC **4/9769** FYE IAP FAYETTE COUNTY, SOMERVILLE, TN. RNAV (GPS) RWY 19, AMDT 2... DELETE THRE 423, CHART TDZE 431. LPV DA 721 ALL CATS. LNAV/VNAV DA 683 ALL CATS. LNAV HAT 449 ALL CATS. CHART NOTE: PROCEDURE NA AT NIGHT. DELETE NOTE: WHEN VGSI INOP, STRAIGHT-IN/CIRCLING RWY 1 PROCEDURE 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 19, AMDT 2A. 1406181335-PERM

FDC **4/9770** FYE IAP FAYETTE COUNTY, SOMERVILLE, TN. RNAV (GPS) RWY 1, ORIG... CHART NOTE: PROCEDURE NA AT NIGHT. CHANGE THRE 436 TO TDZE 436. DELETE NOTE: WHEN VGSI INOP, STRAIGHT-IN/CIRCLING RWY 1 PROCEDURE 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 1, ORIG-A. 1406181335-PERM