

U.S. Department
of Transportation

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

**Federal Aviation
Administration**

Transmittal Letter 14-22

September 12, 2014

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

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

**The following is a corrected copy of a procedure, previously published in TL 14-17 on July
3, 2014.**

Greeley, CO, Greeley-Weld County, RNAV (GPS) RWY 10, 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	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												
THIS IS A CORRECTED COPY OF A PROCEDURE ORIGINALLY PUBLISHED IN TL 14-17															
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: <u>UNCEE</u> 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: <u>UNCEE</u> 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)						@ CAT D 800-2 1/4 @ NA WHEN LOCAL WEATHER NOT AVAILABLE.									
CITY AND STATE		ELEVATION: 4697 TDZE: 4661		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:		SUP: RNAV (GPS) RWY 9		AMDT: ORIG		DATED 04/13/2006			
GREELEY, CO		AIRPORT NAME: GREELEY-WELD COUNTY				RNAV (GPS) RWY 10, AMDT 1 18 SEPTEMBER 2014									

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

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

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 0
REFERENCE PATH DATA SELECTOR W10A
REFERENCE PATH IDENTIFIER (APPROACH ID) 402550.4735N
LTP/FTP LATITUDE 1043846.0190W ←
LTP/FTP LONGITUDE +14024
LTP/FTP ELLIPSOIDAL HEIGHT 402526.7680N
FPAP LATITUDE 1043653.5455W
FPAP LONGITUDE 00050.0
THRESHOLD CROSSING HEIGHT (TCH) F
TCH UNITS SELECTOR (METERS OR FEET USED) 03.00
GLIDEPATH ANGLE (GPA) 106.75
COURSE WIDTH AT THRESHOLD 0984
LENGTH OFFSET 40.0
HORIZONTAL ALERT LIMIT (HAL) 50.0
VERTICAL ALERT LIMIT (VAL)

CRC REMAINDER

1796D868

ADDITIONAL PATH POINT RECORD INFORMATION

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



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.

ARINC PACKET - 424-18 - RNAV (GPS)

[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KGXYK2FR10	ALPORT	010LPOR	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	020IB1XYK2EA0E	A	020TF		34960070	+	08000			A	JS
SUSAP	KGXYK2FR10	ANIWOT	030NOCOLK2EA0EE	B	010TF		02750080	+	07000			A	JS
SUSAP	KGXYK2FR10	R	010NOCOLK2EA0E	I	IF					18000		A	JS
SUSAP	KGXYK2FR10	R	020UNCCEK2EA1E	F	051TF		09730070	+	06300		RW10	K2PGA	JS
SUSAP	KGXYK2FR10	R	020UNCCEK2EA2WALPV			ALNAV/VNAV	ALNAV						JS
SUSAP	KGXYK2FR10	R	021SHMR	TK2EA0E	S	031TF	09730027	V	0544005444		-300	A	JS
SUSAP	KGXYK2FR10	R	030RW10	K2PG0GY	M	031TF	09730023				-300	A	JS
SUSAP	KGXYK2FR10	R	040		M	CA	0973	+	05400			A	JS
SUSAP	KGXYK2FR10	R	050CEDUKK2EA0EY	R	DF							A	JS
SUSAP	KGXYK2FR10	R	060CEDUKK2EA0EE	R	HM		32140070	+	07000			A	JS

[illegible][illegible]

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

[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

[4910-13]

DEPARTMENT OF TRANSPORTATION

Federal Aviation Administration

14 CFR Part 97

[Docket No. [30979](#); Amdt. No. [3609](#)]

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 [SEPTEMBER 12, 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 16 OCTOBER 2014

Evansville, IN, Evansville Rgnl, Takeoff Minimums and Obstacle DP, Amdt 9
 Seymour, IN, Freeman Muni, LOC/NDB RWY 5, Orig, CANCELED
 Seymour, IN, Freeman Muni, NDB RWY 5, Amdt 4, CANCELED
 Seymour, IN, Freeman Muni, RNAV (GPS) RWY 5, Amdt 1
 Seymour, IN, Freeman Muni, RNAV (GPS) RWY 14, Amdt 1
 Seymour, IN, Freeman Muni, RNAV (GPS) RWY 23, Amdt 2
 Seymour, IN, Freeman Muni, RNAV (GPS) RWY 32, Amdt 1
 Baltimore, MD, Baltimore/Washington Intl Thurgood Marshall, RNAV (GPS) RWY 4, Orig-A, CANCELED
 Baltimore, MD, Baltimore/Washington Intl Thurgood Marshall, RNAV (GPS) RWY 22, Amdt 1, CANCELED
 Baltimore, MD, Baltimore/Washington Intl Thurgood Marshall, RNAV (GPS) Y RWY 15R, Amdt 2
 Baltimore, MD, Baltimore/Washington Intl Thurgood Marshall, RNAV (RNP) Z RWY 15R, Amdt 1
 Baltimore, MD, Baltimore/Washington Intl Thurgood Marshall, VOR/DME RWY 4, Amdt 3A, CANCELED
 Baltimore, MD, Baltimore/Washington Intl Thurgood Marshall, VOR/DME RWY22, Amdt 11, CANCELED
 Lincoln, ME, Lincoln Rgnl, RNAV (GPS) RWY 35, Amdt 1
 Detroit, MI, Detroit Metropolitan Wayne County, ILS OR LOC RWY 22L, ILS RWY 22L (SA CAT I), ILS RWY 22L (SA CAT II), Amdt 30B
 Detroit, MI, Detroit Metropolitan Wayne County, ILS PRM RWY 22L (SIMULTANEOUS CLOSE PARALLEL), Orig-E
 Lumberton, NC, Lumberton Rgnl, Takeoff Minimums and Obstacle DP, Amdt 3

Effective 13 NOVEMBER 2014

Cold Bay, AK, Cold Bay, RNAV (GPS) RWY 26, Amdt 2A
 Mobile, AL, Mobile Downtown, ILS OR LOC RWY 32, Amdt 3
 Mobile, AL, Mobile Downtown, RNAV (GPS) RWY 14, Amdt 2
 Mobile, AL, Mobile Downtown, RNAV (GPS) RWY 18, Amdt 2
 Mobile, AL, Mobile Downtown, RNAV (GPS) RWY 32, Amdt 2
 Mobile, AL, Mobile Downtown, RNAV (GPS) RWY 36, Amdt 2
 Big Bear City, CA, Big Bear City, RNAV (GPS) RWY 26, Amdt 2
 Palm Coast, FL, Flagler County, RNAV (GPS) RWY 6, Amdt 1B
 Palm Coast, FL, Flagler County, RNAV (GPS) RWY 11, Amdt 1A
 Palm Coast, FL, Flagler County, RNAV (GPS) RWY 24, Orig-C
 Palm Coast, FL, Flagler County, RNAV (GPS) RWY 29, Orig-C
 Palm Coast, FL, Flagler County, Takeoff Minimums and Obstacle DP, Amdt 1
 Council Bluffs, IA, Council Bluffs Muni, ILS OR LOC RWY 36, Amdt 1
 Council Bluffs, IA, Council Bluffs Muni, RNAV (GPS) RWY 18, Amdt 1
 Council Bluffs, IA, Council Bluffs Muni, RNAV (GPS) RWY 36, Amdt 2

Spencer, IA, Spencer Muni, VOR/DME RWY 12, Amdt 3A
 Spencer, IA, Spencer Muni, VOR/DME RWY 30, Amdt 3B
 Bedford, IN, Virgil I Grissom Muni, RNAV (GPS) RWY 31, Amdt 1
 Gardner, KS, Gardner Muni, NDB OR GPS-D, Amdt 2A, CANCELED
 Gardner, KS, Gardner Muni, Takeoff Minimums and Obstacle DP, Orig-A, CANCELED
 South Haven, MI, South Haven Area Rgnl, RNAV (GPS) RWY 5, Amdt 1B
 South Haven, MI, South Haven Area Rgnl, RNAV (GPS) RWY 23, Amdt 1B
 South Haven, MI, South Haven Area Rgnl, VOR RWY 23, Amdt 11A
 Sauk Centre, MN, Sauk Centre Muni, RNAV (GPS) RWY 14, Orig
 Sauk Centre, MN, Sauk Centre Muni, RNAV (GPS) RWY 32, Amdt 1
 Elkin, NC, Elkin Muni, NDB-A, Orig
 Elkin, NC, Elkin Muni, NDB OR GPS RWY 25, Amdt 1A, CANCELED
 Elkin, NC, Elkin Muni, RNAV (GPS) RWY 7, Orig
 Elkin, NC, Elkin Muni, RNAV (GPS) RWY 25, Orig
 Elkin, NC, Elkin Muni, Takeoff Minimums and Obstacle DP, Amdt 1
 Wilmington, NC, Wilmington Intl, RADAR-1, Amdt 7
 Bassett, NE, Rock County, NDB RWY 31, Amdt 4, CANCELED
 Hobbs, NM, Lea County Rgnl, ILS OR LOC RWY 3, Amdt 7A
 Hobbs, NM, Lea County Rgnl, LOC/DME BC RWY 21, Amdt 6A
 Hobbs, NM, Lea County Rgnl, RNAV (GPS) RWY 3, Amdt 2
 Hobbs, NM, Lea County Rgnl, RNAV (GPS) RWY 21, Amdt 1
 Hobbs, NM, Lea County Rgnl, RNAV (GPS) RWY 30, Amdt 1
 Hobbs, NM, Lea County Rgnl, VOR/DME OR TACAN RWY 21, Amdt 9A
 Hobbs, NM, Lea County Rgnl, VOR OR TACAN RWY 3, Amdt 21A
 Canandaigua, NY, Canandaigua, RNAV (GPS) RWY 13, Amdt 2
 Canandaigua, NY, Takeoff Minimums and Obstacle DP, Amdt 1
 Circleville, OH, Pickaway County Memorial, Takeoff Minimums and Obstacle DP, Orig
 Pendleton, OR, Eastern Oregon Rgnl At Pendleton, ILS OR LOC/DME RWY 25, Amdt 25A
 Jacksboro, TN, Campbell County, RNAV (GPS) RWY 23, Amdt 1
 Winchester, TN, Winchester Muni, Takeoff Minimums and Obstacle DP, Amdt 2
 Morrisville, VT, Morrisville-Stowe State, RNAV (GPS) Y RWY 19, Amdt 1
 Morrisville, VT, Morrisville-Stowe State, RNAV (GPS) Z RWY 19, Amdt 1
 Pasco, WA, Tri-Cities, ILS OR LOC/DME RWY 21R, Amdt 13
 Pasco, WA, Tri-Cities, RNAV (GPS) Y RWY 3L, Amdt 2
 Pasco, WA, Tri-Cities, RNAV (GPS) Y RWY 12, Amdt 2
 Pasco, WA, Tri-Cities, RNAV (GPS) Y RWY 21R, Amdt 2
 Pasco, WA, Tri-Cities, RNAV (GPS) Y RWY 30, Amdt 3
 Pasco, WA, Tri-Cities, RNAV (RNP) Z RWY 3L, Amdt 1
 Pasco, WA, Tri-Cities, RNAV (RNP) Z RWY 12, Amdt 1
 Pasco, WA, Tri-Cities, RNAV (RNP) Z RWY 21R, Amdt 1
 Pasco, WA, Tri-Cities, RNAV (RNP) Z RWY 30, Amdt 1
 Pasco, WA, Tri-Cities, Takeoff Minimums and Obstacle DP, Amdt 8
 Pasco, WA, Tri-Cities, VOR/DME RWY 21R, Amdt 7
 Pasco, WA, Tri-Cities, VOR/DME RWY 30, Amdt 5

Walla Walla, WA, Walla Walla Rgnl, ILS Y OR LOC RWY 20, Amdt 10
Walla Walla, WA, Walla Walla Rgnl, ILS Z OR LOC/DME RWY 20, Amdt 1
Walla Walla, WA, Walla Walla Rgnl, RNAV (GPS) RWY 2, Amdt 2
Walla Walla, WA, Walla Walla Rgnl, RNAV (GPS) RWY 20, Amdt 1
Beloit, WI, Beloit, Takeoff Minimums and Obstacle DP, Orig

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.
EVANSVILLE, IN	EVANSVILLE RGNL	16 OCTOBER 2014	9

TAKEOFF MINIMUMS:

RWY 4, 18, 22, STANDARD.

RWY 9, 300 – 1 OR STANDARD WITH MINIMUM CLIMB OF 650 FT PER NM TO 700.

RWY 27, 300 – 1 ¼ OR STANDARD WITH MINIMUM CLIMB OF 402 FT PER NM TO 800.

RWY 36, 300 – 1 ½ OR STANDARD WITH MINIMUM CLIMB OF 615 FT PER NM TO 700.

TEXTUAL DEPARTURE PROCEDURES:

TAKEOFF OBSTACLE NOTES:

NOTE RWY 9: FENCE 293 FT FROM DER, 294 FT RIGHT OF CENTERLINE, 9 FT AGL/399 FT MSL. TRAIN ON RAILROAD TRACKS AND VEHICLES ON ROADWAY BEGINNING 610 FT FROM DER, 291 FT RIGHT OF CENTERLINE, UP TO 23 FT AGL/424 FT MSL. BUILDING 1446 FT FROM DER, 84 FT RIGHT OF CENTERLINE, 37 FT AGL/445 FT MSL. TREES AND VEHICLES ON ROADWAY BEGINNING 2070 FT FROM DER, 905 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/583 FT MSL. TREES BEGINNING 3093 FT FROM DER, 385 FT LEFT OF CENTERLINE, UP TO 91 FT AGL/516 FT MSL. TREES BEGINNING 4145 FT FROM DER, 1575 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/509 FT MSL.

NOTE RWY 18: ELECTRICAL SYSTEM 10 FT FROM DER, 80 FT RIGHT OF CENTERLINE, 13 FT AGL/396 FT MSL. VEHICLES ON ROADWAY BEGINNING 265 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 15 FT AGL/398 FT MSL. TRAINS ON RAILROAD TRACKS BEGINNING 328 FT FROM DER, 17 FT LEFT OF CENTERLINE, UP TO 23 FT AGL/412 FT MSL. BUILDINGS BEGINNING 560 FT FROM DER, 137 FT RIGHT OF CENTERLINE, UP TO 53 FT AGL/447 FT MSL. TREES BEGINNING 1595 FT FROM DER, 162 FT LEFT OF CENTERLINE, UP TO 51 FT AGL/433 FT MSL. TOWER 4136 FT FROM DER, 1569 FT LEFT OF CENTERLINE, 132 FT AGL/513 FT MSL.

NOTE RWY 22: WEATHER SENSOR 141 FT FROM DER, 458 FT LEFT OF CENTERLINE, 18 FT AGL/458 FT MSL. GS BUILDING 146 FT FROM DER, 401 FT LEFT OF CENTERLINE, 10 FT AGL/392 FT MSL. TOWER 165 FT FROM DER, 399 FT LEFT OF CENTERLINE, 45 FT AGL/429 FT MSL. AIRCRAFT ON TAXIWAY BEGINNING 1305 FT FROM DER, 833 FT RIGHT OF CENTERLINE, UP TO 70 FT AGL/452 FT MSL.

NOTE RWY 27: VEHICLES ON ROADWAY AND TRAINS ON RAILROAD TRACKS BEGINNING 295 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 23 FT AGL/407 FT MSL. SIGN 389 FT FROM DER, 228 FT RIGHT OF CENTERLINE, 21 FT AGL/401 FT MSL. POLE AND TREES BEGINNING 710 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 102 FT AGL/559 FT MSL. TREES BEGINNING 4114 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 124 FT AGL/617 FT MSL. TOWERS BEGINNING 1.3 NM FROM DER, 1157 FT LEFT OF CENTERLINE, UP TO 181 FT AGL/649 FT MSL. TREES BEGINNING 1.33 NM FROM DER, 442 FT LEFT OF CENTERLINE, UP TO 112 FT AGL/610 FT MSL.

NOTE RWY 36: TREES BEGINNING 1389 FT FROM DER, 702 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/539 FT MSL. TREES BEGINNING 2160 FT FROM DER, 479 FT RIGHT OF CENTERLINE, UP TO 105 FT AGL/567 FT MSL. TREES BEGINNING 4224 FT FROM DER, 1025 FT RIGHT OF CENTERLINE, UP TO 110 FT AGL/597 FT MSL. TREES BEGINNING 6131 FT FROM DER, 1152 FT RIGHT OF CENTERLINE, UP TO 126 FT AGL/618 FT MSL. TREES BEGINNING 1.1 NM FROM DER, 1556 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/579 FT MSL.

CONTROLLING OBSTACLES:

RWY 9: 576 FT MSL TREE 380205.80N/0873107.65W, 583 FT MSL TREE 380205.86N-0873106.39W, 539 FT MSL TREE 380204.19N/0873059.99W.

RWY 27: 559 FT MSL TREE 380209.00N/0873304.00W, 649 FT MSL TOWER 380154.00N/0873410.00W.

RWY 36: 567 FT MSL TREE 380306.79N/0873211.12W, 618 FT MSL TREE 380348.90N/0873137.12W, 579 FT MSL TREE 380352.05N/0873141.55W.

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.
EVANSVILLE, IN	EVANSVILLE RGNL	16 OCTOBER 2014	9

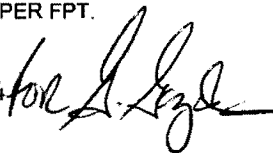
REMARKS:

BUILDING LISTED IN RWY 9 TAKEOFF OBSTACLE NOTES DERIVED FROM MAP STUDY AND NRA CASE # 2007-AGL-532-NRA.
AVERAGE VEGETATION ASSUMED TO BE 100 FT PER FPT.

FLIGHT INSPECTED BY:

Jeffrey Haring

7/30/14



REQUIRED EFFECTIVE DATE:

ROUTINE

DEVELOPED BY:

JILL OLSON
(JOHN LINDSEY)

AJV-353

04-10-2014

APPROVED BY:

GEORGE GONZALEZ

AJV-353

JUN 19 2014

COORDINATED WITH:

ATA, APA, ALPA, AOPA, NBAA, ZID, AMGR, EVV APP CON, EVV ATCT.

CHANGES:

1. ADDED "OR STANDARD WITH MINIMUM CLIMB OF 650 FT PER NM TO 700" TO RWY 9 TAKEOFF MINIMUMS.
2. REMOVED THE "A" FROM THE RWY 37 TAKEOFF MINIMUMS.
3. CHANGED RWY 36 VISIBILITY FROM 1 ¾ TO 1 ½ MILES AND ADDED "OR STANDARD WITH MINIMUM CLIMB OF 615 FT PER NM TO 700".
4. REMOVED THE RWY 22 TEXTUAL DEPARTURE PROCEDURE PHRASEOLOGY.
5. UPDATED CONTROLLING OBSTACLES AND TAKEOFF OBSTACLE NOTES.

REASONS:

1. NEW OBSTACLE SURVEY DATA AVAILABLE AND MAP STUDY.
2. IAW 8260.46D APPENDIX D.
3. NEW OBSTACLE SURVEY DATA AVAILABLE AND MAP STUDY.
4. RWY 22 REDESIGNED WITH RELOCATED THRESHOLD CLEARS PREVIOUS PENETRATION.
5. IAW 8260.46D APPENDIX D PARA 9.

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)														MAG VAR: _____ EPOCH YEAR: _____		
2. _____																
3. FAC _____ FAF _____ DIST FAF TO MAP _____ THLD _____																
4. MIN. ALT _____																
8. MSA FROM: _____																
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	
NOTES: PROCEDURE CANCELED EFFECTIVE 16 OCTOBER 2014																
CITY AND STATE SEYMOUR, IN				ELEVATION: 583 TDZE: 575 AIRPORT NAME: FREEMAN MUNI				FACILITY IDENTIFIER: EQZ		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: NDB RWY 5, AMDT 4, 05/10/2007				SUP NDB OR GPS RWY 05 AMDT 3 DATE 11/10/1994		

FAA FORM 8260 - 3 / April 2006 (computer generated) PAGE 1 OF 6 PAGES

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

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TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
RW05 (MAP)	825 MSL	046.04	
825 MSL	NAYIV (FO)		2400

NOTES, (CONT.):

3/8 MILE, LNAV/VNAV ALL CATS AND CIRCLING CAT C/D VISIBILITY 1/2 MILE AND LNAV CAT C/D VISIBILITY 1/4 MILE.

CHART NOTE: FOR INOPERATIVE ODALS, INCREASE LNAV/VNAV ALL CATS VISIBILITY TO 1 1/2 MILES AND LNAV CAT C/D VISIBILITY TO 1 1/4 MILES.

CHART NOTE: DME/DME RNP-0.3 NA.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT HOUSE ON V53 NORTHWEST BOUND.

CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.

CHART NOTE: VDP NA WITH LOUISVILLE INTL-STANDIFORD FIELD ALTIMETER SETTING.

CHART NOTE: FOR INOPERATIVE ODALS WHEN USING LOUISVILLE INTL-STANDIFORD FIELD ALTIMETER SETTING, INCREASE LNAV/VNAV ALL CATS VISIBILITY TO 2 MILES AND LNAV CAT C/D VISIBILITY TO 1 5/8 MILES.

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

CHART PLANVIEW NOTE ADJACENT TO JKUKA: RADAR REQUIRED.

CITY AND STATE
SEYMOUR, IN

ELEVATION: 583 TDZE: 575
AIRPORT NAME:
FREEMAN MUNI

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 5, AMDT 1
16 OCTOBER 2014

SUP:
AMDT: ORIG-A
DATED: 06/05/2008

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	KSER
RUNWAY	RW05
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W05A
LTP/FTP LATITUDE	385505.5180N
LTP/FTP LONGITUDE	0855426.7930W
LTP/FTP ELLIPSOIDAL HEIGHT	+01402
FPAP LATITUDE	385609.5775N
FPAP LONGITUDE	0855307.3550W
THRESHOLD CROSSING HEIGHT (TCH)	00035.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1072
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
<u>CRC REMAINDER</u>	1BE84CDA

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+01741
FPAP ORTHOMETRIC HEIGHT	+01741

CITY AND STATE
SEYMOUR, IN

ELEVATION: 583 TDZE: 575
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RNAV (GPS) RWY 5, AMDT 1
16 OCTOBER 2014

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

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ARINC PACKET - 424-18 - RNAV (GPS)

	1	2	3	4	5	6	7	8	9	0	1	2	3
WP	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAEENRT	HOUSE K50	C	L	N39024158W086113675				W0044	NAR		HOUSE		
SUSAEENRT	JIRIP K50	W		N38473558W086034309				W0045	NAR		JIRIP		
SUSAEENRT	JKUKA K50	W		N38351780W085381392				W0048	NAR		JKUKA		
SUSAEENRT	KAILS K50	W		N38531764W085564044				W0046	NAR		KAILS		
SUSAEENRT	LIYNE K50	W		N38503288W086105035				W0044	NAR		LIYNE		
SUSAEENRT	NAYIV K50	W		N39033433W085435418				W0048	NAR		NAYIV		
SUSAEENRT	NOTIY K50	W		N38515661W085582071				W0046	NAR		NOTIY		

	1	2	3	4	5	6	7	8	9	0	1	2	3
AIRPORT	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP KSERK5ASER	0	055YHN38552892W085543007W002000583					1800018000C		MNAR		FREEMAN MUNI		

	1	2	3	4	5	6	7	8	9	0	1	2	3
SEGMENT	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP KSERK5FR05	AHOUSE 010HOUSEK5EA0E	IF								18000		A JS	
SUSAP KSERK5FR05	AHOUSE 020LIYNEK5EA0E	A 020TF				17920122		+ 02500				A JS	
SUSAP KSERK5FR05	AHOUSE 030JIRIPK5EA0EE	B 010TF				11990063		+ 02500				A JS	
SUSAP KSERK5FR05	AJKUKA 010JKUKAK5EA0E	IF								18000		A JS	
SUSAP KSERK5FR05	AJKUKA 020JIRIPK5EA0EY	020TF				30380234		+ 03500				A JS	
SUSAP KSERK5FR05	AJKUKA 030JIRIPK5EA0EE	AR HF				04600040		+ 02500				A JS	
SUSAP KSERK5FR05	R	010JIRIPK5EA0E	I	IF				+ 02500		18000		A JS	
SUSAP KSERK5FR05	R	020NOTIYK5EA1E	F	051TF		04600060		+ 02000			RW05	K5PGA JS	
SUSAP KSERK5FR05	R	020NOTIYK5EA2WALPV		ALNAV/VNAV ALNAV								JS	
SUSAP KSERK5FR05	R	021KAILSK5EA0E	S	031TF		04600019		V 0140001402		-300		A JS	
SUSAP KSERK5FR05	R	030RW05 K5PG0GY	M	031TF		04600025		00606		-300		A JS	
SUSAP KSERK5FR05	R	040	0	M CA		0460		+ 00825				A JS	
SUSAP KSERK5FR05	R	050NAYIVK5EA0EY		DF				+ 02400				A JS	
SUSAP KSERK5FR05	R	060NAYIVK5EA0EE	R	HM		22620040		+ 02400				A JS	

	1	2	3	4	5	6	7	8	9	0	1	2	3
RUNWAY	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP KSERK5GRW05	0055000461	N38550552W085542679+0200				+0140200571000035100R							

	1	2	3	4	5	6	7	8	9	0	1	2	3
PP	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP KSERK5PR05	RW05 001 0000W05A0N3855055180W08554267930+014020300N3856095775W08553073550106751072000350F4005001BE84CDA												
SUSAP KSERK5PR05	RW05 002E	+01741+01741LPV			53704								

CITY AND STATE SEYMOUR, IN	ELEVATION: 583	TDZE: 575	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME:			RNAV (GPS) RWY 5, AMDT 1	AMDT: ORIG-A
	FREEMAN MUNI		RNAV	16 OCTOBER 2014	DATED: 06/05/2008

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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	1	2	3	4	5	6	7	8	9	0	1	2	3
MSA	1	2	3	4	5	6	7	8	9	0	1	2	3
	1	2	3	4	5	6	7	8	9	0	1	2	3
	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KSERK5SRW05 K5PG					0	1	8	0	1	8	0	0	2
												M	

CITY AND STATE
SEYMOUR, IN

ELEVATION: **583** TDZE: **575**
AIRPORT NAME:
FREEMAN MUNI

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
RNAV (GPS) RWY 5, AMDT 1
16 OCTOBER 2014

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U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
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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
	HOUSE	HOUSE	010		IF		FB					
	HOUSE	LIYNE	020	IAF	TF		FB	2.0	179.2 (177.2T)	012.2	AA 02500	
	HOUSE	JIRIP	030		TF		FB	1.0	119.9 (117.9T)	006.3	AA 02500	
	JKUKA	JKUKA	010		IF		FB					
	JKUKA	JIRIP	020		TF		FO	2.0	303.8 (301.8T)	023.4	AA 03500	
	JKUKA	JIRIP	030	IAF	HF	R	FO		046.0 (044.0T)	004.0	AA 02500	
		JIRIP	010	FACF	IF		FB				AA 02500	
		NOTIY	020	FAF	TF		FB	0.5	046.0 (044.0T)	006.0	AA 02000	
		KAILS	021	SDF	TF		FB	0.3	046.0 (044.0T)	001.9	AA 01400	GS 01402
		RW05	030	MAP	TF		FO	0.3	046.0 (044.0T)	002.5	AT 00606	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		046.0 (044.0T)		AA 00825	
	NAYIV	050		DF		FO				AA 02400	
	NAYIV	060		HM	R	FO		226.2 (224.2T)	004.0	AA 02400	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	HOUSE	N390241.58	W0861136.75	N3902.693	W08611.613
	JIRIP	N384735.58	W0860343.09	N3847.593	W08603.718
	JKUKA	N383517.80	W0853813.92	N3835.297	W08538.232
	KAILS	N385317.64	W0855640.44	N3853.294	W08556.674
	LIYNE	N385032.88	W0861050.35	N3850.548	W08610.839
	NAYIV	N390334.33	W0854354.18	N3903.572	W08543.903
	NOTIY	N385156.61	W0855820.71	N3851.944	W08558.345
	RW05	N385505.52	W0855426.79	N3855.092	W08554.447

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW05	00571	35

CITY AND STATE SEYMOUR, IN	ELEVATION: 583	TDZE: 575	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME:			RNAV (GPS) RWY 5, AMDT 1	AMDT: ORIG-A
	FREEMAN MUNI		RNAV	16 OCTOBER 2014	DATED: 06/05/2008

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.													
TERMINAL ROUTES				MISSED APPROACH											
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LPV: DA LNAV/VNAV: DA LNAV: RW14 CLIMB TO 2400 DIRECT ZEKAM AND HOLD. ADDITIONAL FLIGHT DATA: HOLD SE, RT, 316.23 INBOUND. CHART FAS OBST: 729 TREE 385606N/0855636W 801 AAO 385806N/0855830W. DISTANCE TO THLD FROM 277 HAT: 0.74 NM. CHART VDP AT 1.18 MILES TO RW14* *LNAV ONLY. WAAS CHANNEL # 58003 REFERENCE PATH ID: W14A CHART R-3401B CHART CIRCLING ICON. LTP HAE: 143.9 M											
DECEE	RUYOT (FO)	229.17 / 21.54	2600												
MOUTH (IAF)	RUYOT (NOPT) (FB)	158.94 / 19.18	2600												
RUYOT (IF/IAF)	TOLUY (FB)	135.99 / 6.01	2500												
TOLUY (FAF)	BEGND/3.20 NM TO RW14 (FB)	136.03 / 2.69													
BEGND/3.20 NM TO RW14	RW14 (MAP) (FO)	136.03 / 3.20													
RW14 (MAP)	860 MSL	136.03													
860 MSL	ZEKAM (FO)		2400												
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. HOLD NW RUYOT, RT, 135.99 INBOUND, 2600 FT. IN LIEU OF PT (IAF) 3. FAC: <u>136.03</u> FAF: <u>TOLUY</u> DIST FAF TO MAP: <u>5.89</u> THLD: <u>5.89</u> 4. MIN. ALT: <u>RUYOT 2600, TOLUY 2500, BEGND/3.20 NM TO RW14 1640*</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>2500</u> GS ALT AT: <u>TOLUY 2500</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>RW14 2500</u>				MAG VAR: 2W EPOCH YEAR: 1985											
MINIMUMS															
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE: N A X											
CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	860	1	277	860	1	277	860	1	277	860	1	277			
LNAV/VNAV DA	1037	1 1/2	454	1037	1 1/2	454	1037	1 1/2	454	1037	1 1/2	454			
LNAV MDA	980	1	397	980	1	397	980	1 1/8	397	980	1 1/8	397			
CIRCLING	1040	1	457	1080	1	497	1300	2	717	1300	2 1/4	717			
NOTES: CHART NOTE: BARO-VNAV AND VDP NA WHEN USING LOUISVILLE INTL-STANDIFORD FIELD ALTIMETER SETTING. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C (4F) OR ABOVE 54C (130F). CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE LOUISVILLE INTL-STANDIFORD FIELD ALTIMETER SETTING AND INCREASE ALL DA 117 FT AND ALL MDA 120 FT; INCREASE LPV ALL CATS, LNAV/VNAV (SEE FORM 8260-10)															
CITY AND STATE		ELEVATION: 583 TDZE: 583		AIRPORT NAME:		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:			
SEYMOUR, IN				FREEMAN MUNI		RNAV		RNAV (GPS) RWY 14, AMDT 1 16 OCTOBER 2014				AMDT: ORIG			
												DATED 05/10/2007			

QUALITY
1
CHECKED

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

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

NOTES, (CONT.):

ALL CATS AND CIRCLING CAT C/D VISIBILITY 1/2 MILE, AND LNAV CAT C/D VISIBILITY 1/4 MILE.

CHART NOTE: DME/DME RNP-0.3 NA.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT DECEE ON V51 NORTHBOUND AND V128 SOUTHEAST BOUND.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT MOUTH ON V221 NORTHEAST BOUND AND V53 NORTHBOUND.

CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.

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

CITY AND STATE
SEYMOUR, IN

ELEVATION: 583 TDZE: 583
AIRPORT NAME:
FREEMAN MUNI

FACILITY
IDENTIFIER:
RNAV

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

SUP:
AMDT: ORIG
DATED: 05/10/2007

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 KSER
RUNWAY RW14
APPROACH PERFORMANCE DESIGNATOR 0
ROUTE INDICATOR 0
REFERENCE PATH DATA SELECTOR W14A
REFERENCE PATH IDENTIFIER (APPROACH ID) 385543.3800N
LTP/FTP LATITUDE 0855515.4580W
LTP/FTP LONGITUDE +01439
LTP/FTP ELLIPSOIDAL HEIGHT 385441.3190N
FPAP LATITUDE 0855353.4690W
FPAP LONGITUDE 00040.0
THRESHOLD CROSSING HEIGHT (TCH) F
TCH UNITS SELECTOR (METERS OR FEET USED) 03.00
GLIDEPATH ANGLE (GPA) 106.75
COURSE WIDTH AT THRESHOLD 1072
LENGTH OFFSET 40.0
HORIZONTAL ALERT LIMIT (HAL) 50.0
VERTICAL ALERT LIMIT (VAL)

CRC REMAINDER

386CEEC2

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K5
LTP ORTHOMETRIC HEIGHT +01777
FPAP ORTHOMETRIC HEIGHT +01777

CITY AND STATE

SEYMOUR, IN

ELEVATION: 583

TDZE: 583

AIRPORT NAME:

FREEMAN MUNI

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 14, AMDT 1
16 OCTOBER 2014

SUP:

AMDT: ORIG

DATED: 05/10/2007

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 KSERK5FR14	ADECEE	010DECEEK5EA0E	IF							18000		A JS	
SUSAP KSERK5FR14	ADECEE	020RUYOTK5EA0EY	020TF			22920215		+ 02600				A JS	
SUSAP KSERK5FR14	ADECEE	030RUYOTK5EA0EE AR	HF			13600040		+ 02600				A JS	
SUSAP KSERK5FR14	AMOUTH	010MOUTHK5EA0E A	IF							18000		A JS	
SUSAP KSERK5FR14	AMOUTH	020RUYOTK5EA0EE B	010TF			15890192		+ 02600				A JS	
SUSAP KSERK5FR14	R	010RUYOTK5EA0E I	IF					+ 02600		18000		A JS	
SUSAP KSERK5FR14	R	020TOLUYK5EA1E F	051TF			13600060		+ 02500			RW14	K5PGA JS	
SUSAP KSERK5FR14	R	020TOLUYK5EA2WALPV		ALNAV/VNAV	ALNAV							JS	
SUSAP KSERK5FR14	R	021BEGNDK5EA0E S	031TF			13600027		V 0164001642			-300	A JS	
SUSAP KSERK5FR14	R	030RW14 K5PG0GY M	031TF			13600032		00623			-300	A JS	
SUSAP KSERK5FR14	R	040	0 M CA			1360		+ 00860				A JS	
SUSAP KSERK5FR14	R	050ZEKAMK5EA0EY	DF					+ 02400				A JS	
SUSAP KSERK5FR14	R	060ZEKAMK5EA0EE R	HM			31620040		+ 02400				A JS	

[illegible][illegible]

CITY AND STATE
SEYMOUR, IN

ELEVATION: 583	TDZE: 583
AIRPORT NAME: FREEMAN MUNI	

FACILITY
IDENTIFIER:

RNAV

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

SUP:	
AMDT:	ORIG
DATED:	05/10/2007

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

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MSA 1234567890123456789012345678901234567890123456789012345678901234567890123456789012

SUSAP KSERK5SRW14 K5PG 0 18018002525 M

CITY AND STATE SEYMOUR, IN	ELEVATION: 583	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 14, AMDT 1 16 OCTOBER 2014	SUP:
	AIRPORT NAME: FREEMAN MUNI			AMDT: ORIG
				DATED: 05/10/2007

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

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ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	DECEE	DECEE	010		IF		FB					
	DECEE	RUYOT	020		TF		FO	2.0	229.2(227.2T)	021.5	AA 02600	
	DECEE	RUYOT	030	IAF	HF	R	FO		136.0(134.0T)	004.0	AA 02600	
	MOUTH	MOUTH	010	IAF	IF		FB					
	MOUTH	RUYOT	020		TF		FB	1.0	158.9(156.9T)	019.2	AA 02600	
		RUYOT	010	FACF	IF		FB				AA 02600	
		TOLUY	020	FAF	TF		FB	0.5	136.0(134.0T)	006.0	AA 02500	
		BEGND	021	SDF	TF		FB	0.3	136.0(134.0T)	002.7	AA 01640	GS 01642
		RW14	030	MAP	TF		FO	0.3	136.0(134.0T)	003.2	AT 00623	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		136.0(134.0T)		AA 00860	
	ZEKAM	050		DF		FO				AA 02400	
	ZEKAM	060		HM	R	FO		316.2(314.2T)	004.0	AA 02400	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	BEGND	N385757.06	W0855812.27	N3857.951	W08558.205
	DECEE	N391841.36	W0854556.84	N3918.689	W08545.947
	MOUTH	N392140.47	W0861552.47	N3921.675	W08615.875
	RUYOT	N390400.21	W0860613.80	N3904.004	W08606.230
	TOLUY	N385949.53	W0860041.25	N3859.826	W08600.688
	ZEKAM	N384702.65	W0854349.68	N3847.044	W08543.828
	RW14	N385543.38	W0855515.46	N3855.723	W08555.258

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW14	00583	40

CITY AND STATE
SEYMOUR, IN

ELEVATION: 583
AIRPORT NAME:
FREEMAN MUNI

TDZE: 583

FACILITY IDENTIFIER:

RNAV

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

SUP:
AMDT: ORIG
DATED: 05/10/2007

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 JKUKA DECEE (IAF) NAYIV (IF/IAF) CIDPO (FAF) MAYED/2.90 NM TO RW23 RW23 (MAP) 830 MSL	TO NAYIV (FO) NAYIV (NOPT) (FB) CIDPO (FB) MAYED/2.90 NM TO RW23 (FB) RW23 (MAP) (FO) 830 MSL JIRIP (FO)	COURSE AND DISTANCE 353.11 / 28.59 175.98 / 15.19 226.19 / 5.94 226.14 / 2.06 226.14 / 2.90 226.14	ALTITUDE 3500 2400 2200 2500												
		LPV: DA LNAV/VNAV: DA LNAV: RW23 CLIMB TO 2500 DIRECT JIRIP AND HOLD. ADDITIONAL FLIGHT DATA: HOLD SW, RT, 045.98 INBOUND. CHART FAS OBST: 928 TOWER 385732N/0855244W DISTANCE TO THLD FROM 250 HAT: 0.66 NM. CHART VDP AT 1.73 MILES TO RW23* *LNAV ONLY. WAAS CHANNEL # 48903 REFERENCE PATH ID: W23A CHART CIRCLING ICON. LTP HAE: 142.9 M													
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. HOLD NE NAYIV, RT, 226.19 INBOUND, 2400 FT. IN LIEU OF PT (IAF) 3. FAC: <u>226.14</u> FAF: <u>CIDPO</u> DIST FAF TO MAP: <u>4.96</u> THLD: <u>4.96</u> 4. MIN. ALT: NAYIV 2400, CIDPO 2200, MAYED/2.90 NM TO RW23 1540* 5. DIST TO THLD FROM OM: <u> </u> MM: <u> </u> IM: <u> </u> 150 HAT: <u> </u> 100 HAT: <u> </u> GS ANT: <u> </u> 6. MIN GS INCPT: <u>2200</u> GS ALT AT: <u>CIDPO 2200</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 CLEAR 8. MSA FROM: <u>RW23 2500</u>		MAG VAR: 2W EPOCH YEAR: 1985													
MINIMUMS															
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT		ALTERNATE: N A ☒ X ☐													
CATEGORY =====>	A B C D E														
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	830	3/4	250	830	3/4	250	830	3/4	250	830	3/4	250			
LNAV/VNAV DA	858	3/4	278	858	3/4	278	858	3/4	278	858	3/4	278			
LNAV MDA	1160	3/4	580	1160	3/4	580	1160	1 1/2	580	1160	1 1/2	580			
CIRCLING	1160	1	577	1160	1	577	1300	2	717	1300	2 1/4	717			
NOTES: CHART NOTE: BARO-VNAV NA WHEN USING LOUISVILLE INTL-STANDIFORD FIELD ALTIMETER SETTING. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C (4F) OR ABOVE 54C (130F). CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE LOUISVILLE INTL-STANDIFORD FIELD ALTIMETER SETTING AND INCREASE ALL DA 117 FT AND ALL MDA 120 FT; INCREASE LPV ALL CATS, LNAV/VNAV (SEE FORM 8260-10)															
CITY AND STATE SEYMOUR, IN		ELEVATION: 583 TDZE: 580 AIRPORT NAME: FREEMAN MUNI		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 23, AMDT 2 16 OCTOBER 2014				SUP: AMDT: 1 DATED 05/10/2007					

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

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NOTES, (CONT.):

ALL CATS AND LNAV CAT C/D VISIBILITY 3/8 MILE, AND CIRCLING CAT C/D VISIBILITY 1/2 MILE.

CHART NOTE: FOR INOPERATIVE ODALS, INCREASE LNAV/VNAV ALL CATS VISIBILITY TO 7/8, AND LNAV CAT C/D VISIBILITY TO 1 5/8.

CHART NOTE: DME/DME RNP-0.3 NA.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT DECEE ON V128 NORTHWEST BOUND.

CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.

CHART NOTE: VDP NA WITH LOUISVILLE INTL-STANDIFORD FIELD ALTIMETER SETTING.

CHART PLANVIEW NOTE ADJACENT TO JKUKA: RADAR REQUIRED.

CHART NOTE: FOR INOPERATIVE ODALS WHEN USING LOUISVILLE INTL-STANDIFORD FIELD ALTIMETER SETTING, INCREASE LNAV/VNAV ALL CATS VISIBILITY TO 1 3/8, AND LNAV CAT C/D VISIBILITY TO 2 1/2.

CITY AND STATE
SEYMOUR, IN

ELEVATION: 583 TDZE: 580
AIRPORT NAME:
FREEMAN MUNI

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 23, AMDT 2
16 OCTOBER 2014

SUP:
AMDT: 1
DATED: 05/10/2007

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

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FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KSER
RUNWAY	RW23
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W23A
LTP/FTP LATITUDE	385544.5670N
LTP/FTP LONGITUDE	0855338.3750W
LTP/FTP ELLIPSOIDAL HEIGHT	+01429
FPAP LATITUDE	385440.5040N
FPAP LONGITUDE	0855457.8005W
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	1072
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER A4EEC606

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+01768
FPAP ORTHOMETRIC HEIGHT	+01768

CITY AND STATE
SEYMOUR, IN

ELEVATION: 583 TDZE: 580
AIRPORT NAME:
FREEMAN MUNI

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 23, AMDT 2
16 OCTOBER 2014

SUP:
AMDT: 1
DATED: 05/10/2007

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[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KSERK5FR23	ADECEE	010DECBEK5EA0E	A	IF						18000		A JS	
SUSAP KSERK5FR23	ADECEE	020NAYIVK5EA0EE	B	010TF			17600152	+	02400			A JS	
SUSAP KSERK5FR23	AJKUKA	010JKUKAK5EA0E		IF						18000		A JS	
SUSAP KSERK5FR23	AJKUKA	020NAYIVK5EA0EY		020TF			35310286	+	03500			A JS	
SUSAP KSERK5FR23	AJKUKA	030NAYIVK5EA0EE	AR	HF			22620040	+	02400			A JS	
SUSAP KSERK5FR23	R	010NAYIVK5EA0E	I	IF				+	02400	18000		A JS	
SUSAP KSERK5FR23	R	020CIDPOK5EA1E	F	051TF			22620059	+	02200		RW23	K5PGA	JS
SUSAP KSERK5FR23	R	020CIDPOK5EA2WALPV			ALNAV/VNAV	ALNAV							JS
SUSAP KSERK5FR23	R	021MAYEDK5EA0E	S	031TF			22610021	V	0154001544		-300		A JS
SUSAP KSERK5FR23	R	030RW23 K5PGOGY	M	031TF			22610029				-300		A JS
SUSAP KSERK5FR23	R	040		0 M	CA		2261	+	00830				A JS
SUSAP KSERK5FR23	R	050JIRIPK5EA0EY		DF				+	02500				A JS
SUSAP KSERK5FR23	R	060JIRIPK5EA0EE	R	HM			04600040	+	02500				A JS

[illegible][illegible]

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

Page 4 of 6 Pages

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 KSERK5SRW23 K5PG 0 18018002525 M

CITY AND STATE SEYMOUR, IN	ELEVATION: 583	TDZE: 580	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 23, AMDT 2 16 OCTOBER 2014	SUP:
	AIRPORT NAME: FREEMAN MUNI				AMDT: 1
					DATED: 05/10/2007

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
	DECEE	DECEE	010	IAF	IF		FB					
	DECEE	NAYIV	020		TF		FB	1.0	176.0 (174.0T)	015.2	AA 02400	
	JKUKA	JKUKA	010		IF		FB					
	JKUKA	NAYIV	020		TF		FO	2.0	353.1 (351.1T)	028.6	AA 03500	
	JKUKA	NAYIV	030	IAF	HF	R	FO		226.2 (224.2T)	004.0	AA 02400	
		NAYIV	010	FACF	IF		FB				AA 02400	
		CIDPO	020	FAF	TF		FB	0.5	226.2 (224.2T)	005.9	AA 02200	
		MAYED	021	SDF	TF		FB	0.3	226.1 (224.1T)	002.1	AA 01540	GS 01544
		RW23	030	MAP	TF		FO	0.3	226.1 (224.1T)	002.9	AT 00620	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		226.1 (224.1T)		AA 00830	
	JIRIP	050		DF		FO				AA 02500	
	JIRIP	060		HM	R	FO		046.0 (044.0T)	004.0	AA 02500	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CIDPO	N385918.48	W0854912.74	N3859.308	W08549.212
	DECEE	N391841.36	W0854556.84	N3918.689	W08545.947
	JIRIP	N384735.58	W0860343.09	N3847.593	W08603.718
	JKUKA	N383517.80	W0853813.92	N3835.297	W08538.232
	MAYED	N385749.63	W0855103.15	N3857.827	W08551.053
	NAYIV	N390334.33	W0854354.18	N3903.572	W08543.903
	RW23	N385544.57	W0855338.38	N3855.743	W08553.640

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW23	00580	40

CITY AND STATE SEYMOUR, IN	ELEVATION: 583	TDZE: 580	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME:			RNAV (GPS) RWY 23, AMDT 2	AMDT: 1
	FREEMAN MUNI		RNAV	16 OCTOBER 2014	DATED: 05/10/2007

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 2600 DIRECT RUYOT AND HOLD. ADDITIONAL FLIGHT DATA: HOLD NW, RT, 135.99 INBOUND. CHART FAS OBST: 887 TOWER 385311N/0855306W CHART 916 TOWER 385039N/0854926W. DISTANCE TO THLD FROM 279 HAT: 0.76 NM. CHART VDP AT 1.56 MILES TO RW32* *LNAV ONLY. WAAS CHANNEL # 99403 REFERENCE PATH ID: W32A CHART CIRCLING ICON. LTP HAE: 140.2 M			
JKUKA (IAF)	ZEKAM (NOPT) (FB)	341.56 / 12.53	3500				
ZEKAM (IF/IAF)	WABTU (FB)	316.23 / 5.92	2400				
WABTU (FAF)	RW32 (MAP) (FO)	316.16 / 5.62					
RW32 (MAP)	853 MSL	316.16	2600				
853 MSL	RUYOT (FO)						

1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF)			
2. HOLD SE ZEKAM, RT, 316.23 INBOUND, 2400 FT. IN LIEU OF PT (IAF)			
3. FAC: <u>316.16</u> FAF: <u>WABTU</u>		DIST FAF TO MAP: <u>5.62</u> THLD: <u>5.62</u>	
4. MIN. ALT: ZEKAM 3500, WABTU 2400			
5. DIST TO THLD FROM OM: <u> </u> MM: <u> </u> IM: <u> </u> 150 HAT: <u> </u> 100 HAT: <u> </u> GS ANT: <u> </u>			
6. MIN GS INCPT: <u>2400</u> GS ALT AT: <u>WABTU 2400</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>RW32 2500</u>			

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	859	1	285	859	1	285	859	1	285	859	1	285			
LNAV/VNAV DA	853	1	279	853	1	279	853	1	279	853	1	279			
LNAV MDA	1100	1	526	1100	1	526	1100	1 1/2	526	1100	1 1/2	526			
CIRCLING	1100	1	517	1100	1	517	1300	2	717	1300	2 1/4	717			

NOTES:
 CHART NOTE: BARO-VNAV NA WHEN USING LOUISVILLE INTL-STANDIFORD FIELD ALTIMETER SETTING.
 CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C (4F) OR ABOVE 54C (130F).
 CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE LOUISVILLE INTL-STANDIFORD FIELD ALTIMETER SETTING AND INCREASE ALL DA 117 FT AND ALL MDA 120 FT; INCREASE LPV ALL CATS, (SEE FORM 8260-10)

CITY AND STATE	ELEVATION: 583 TDZE: 574	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
SEYMOUR, IN	AIRPORT NAME: FREEMAN MUNI		RNAV (GPS) RWY 32, AMDT 1 16 OCTOBER 2014	AMDT: ORIG
				DATED 05/10/2007

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/VNAV ALL CATS AND LNAV CAT C/D VISIBILITY 3/8 MILE AND CIRCLING CAT C/D VISIBILITY 1/2 MILE.
CHART NOTE: DME/DME RNP-0.3 NA.
CHART PLANVIEW NOTE: RADAR REQUIRED.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.
CHART NOTE: VDP NA WITH LOUISVILLE INTL-STANDIFORD FIELD ALTIMETER SETTING.
CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.

CITY AND STATE SEYMOUR, IN	ELEVATION: 583 AIRPORT NAME: FREEMAN MUNI	TDZE: 574	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 32, AMDT 1 16 OCTOBER 2014	SUP:
					AMDT: ORIG
					DATED: 05/10/2007

**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	KSER
RUNWAY	RW32
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W32A
LTP/FTP LATITUDE	385505.5360N
LTP/FTP LONGITUDE	0855425.4600W
LTP/FTP ELLIPSOIDAL HEIGHT	+01402
FPAP LATITUDE	385607.5940N
FPAP LONGITUDE	0855547.4605W
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	1072
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
 <u>CRC REMAINDER</u>	 55E491BF

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+01741
FPAP ORTHOMETRIC HEIGHT	+01741

CITY AND STATE
SEYMOUR, IN

ELEVATION: 583 TDZE: 574
AIRPORT NAME:
FREEMAN MUNI

FACILITY
IDENTIFIER:
RNAV

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

SUP:	
AMDT:	ORIG
DATED:	05/10/2007

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

[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KSERK5FR32	AJKUKA	010JKUKAK5EA0E	A	IF						18000		A JS	
SUSAP KSERK5FR32	AJKUKA	020ZEKAMK5EA0EE	B	010TF		34160125		+ 03500				A JS	
SUSAP KSERK5FR32	AZEKAM	010ZEKAMK5EA0EE	AR	HF		31620040		+ 02400		18000		A JS	
SUSAP KSERK5FR32	R	010ZEKAMK5EA0E	I	IF				+ 02400		18000		A JS	
SUSAP KSERK5FR32	R	020WABTUK5EA1E	F	051TF		31620059		+ 02400			RW32	K5PGA JS	
SUSAP KSERK5FR32	R	020WABTUK5EA2WALPV			ALNAV/VNAV							JS	
SUSAP KSERK5FR32	R	030RW32 K5PG0GY	M	031TF		31620056		00611		-300		A JS	
SUSAP KSERK5FR32	R	040	0	M	CA	3162		+ 00853				A JS	
SUSAP KSERK5FR32	R	050RUYOTK5EA0EY		DF				+ 02600				A JS	
SUSAP KSERK5FR32	R	060RUYOTK5EA0EE		R020HM		13600040		+ 02600				A JS	

[illegible][illegible][illegible]

CITY AND STATE SEYMOUR, IN	ELEVATION: 583 AIRPORT NAME: FREEMAN MUNI	TDZE: 574	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 32, AMDT 1 16 OCTOBER 2014	SUP:
					AMDT: ORIG
					DATED: 05/10/2007

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

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ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	JKUKA	JKUKA	010	IAF	IF		FB					
	JKUKA	ZEKAM	020		TF		FB	1.0	341.6 (339.6T)	012.5	AA 03500	
	ZEKAM	ZEKAM	010	IAF	HF	R	FO		316.2 (314.2T)	004.0	AA 02400	
		ZEKAM	010	FACF	IF		FB				AA 02400	
		WABTU	020	FAF	TF		FB	0.5	316.2 (314.2T)	005.9	AA 02400	
		RW32	030	MAP	TF		FO	0.3	316.2 (314.2T)	005.6	AT 00611	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		316.2 (314.2T)		AA 00853	
	RUYOT	050		DF		FO				AA 02600	
	RUYOT	060		HM	R	FO	2.0	136.0 (134.0T)	004.0	AA 02600	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	JKUKA	N383517.80	W0853813.92	N3835.297	W08538.232
	RUYOT	N390400.21	W0860613.80	N3904.004	W08606.230
	WABTU	N385110.64	W0854915.63	N3851.177	W08549.261
	ZEKAM	N384702.65	W0854349.68	N3847.044	W08543.828
	RW32	N385505.54	W0855425.46	N3855.092	W08554.424

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW32	00571	40

CITY AND STATE SEYMOUR, IN	ELEVATION: 583	TDZE: 574	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 32, AMDT 1 16 OCTOBER 2014	SUP:
	AIRPORT NAME: FREEMAN MUNI				AMDT: ORIG
					DATED: 05/10/2007

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.33

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TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
				ADDITIONAL FLIGHT DATA:

- PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)
-
- FAC: _____ FAF: _____ DIST FAF TO MAP: _____ THLD: _____
- MIN. ALT: _____
- 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: _____
- 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 16 OCTOBER 2014

CITY AND STATE BALTIMORE, MD	ELEVATION: 146 TDZE: 146	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 4, ORIG-A, 5/23/2006	SUP:
	AIRPORT NAME: BALTIMORE/WASHINGTON INTL THURGOOD MARSHALL			AMDT: ORIG
	DATED 10/5/2000			

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 PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON EMI VORTAC AIRWAY RADIALS 151 CW 187.



CITY AND STATE BALTIMORE, MD	ELEVATION: 143 TDZE: 138 AIRPORT NAME: BALTIMORE/WASHINGTON INTL THURGOOD MARSHALL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) Y RWY 15R, AMDT 2, 10/16/2014	SUP:
				AMDT: 1
				DATED: 09/25/2008

**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	KBWI
RUNWAY	RW15R
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	Y
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W15B
LTP/FTP LATITUDE	391104.8955N
LTP/FTP LONGITUDE	0764052.9440W
LTP/FTP ELLIPSOIDAL HEIGHT	+00095
FPAP LATITUDE	390951.1335N
FPAP LONGITUDE	0763944.6125W
THRESHOLD CROSSING HEIGHT (TCH)	00055.6
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0000
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0

<u>CRC REMAINDER</u>	41D29C2C

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+00422
FPAP ORTHOMETRIC HEIGHT	+00422

QUALITY
5
CHECKED

CITY AND STATE

BALTIMORE, MD

ELEVATION: 143

TDZE: 138

AIRPORT NAME:

BALTIMORE/WASHINGTON INTL THURGOOD
MARSHALLFACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) Y RWY 15R, AMDT 2, 10/16/2014

SUP:

AMDT: 1

DATED: 09/25/2008

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION <u>RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE</u> FLIGHT STANDARDS SERVICES - FAR PART 97.33	Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION <u>RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE</u> FLIGHT STANDARDS SERVICES - FAR PART 97.33	Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

[illegible]

CITY AND STATE BALTIMORE, MD	ELEVATION: 143	TDZE: 138	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME: BALTIMORE/WASHINGTON INTL THURGOOD MARSHALL		RNAV	RNAV (GPS) Y RWY 15R, AMDT 2, 10/16/2014	AMDT: 1
					DATED: 09/25/2008

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION								Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.				
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE												
FLIGHT STANDARDS SERVICES - FAR PART 97.33												
ARINC SUMMARY - 424-18 - RNAV (GPS)												
ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	EMI	EMI	010	IAF	IF		FB					
	EMI	BMORE	020		TF		FB	1.0	153.4 (142.4T)	010.6	AA 02500	
		BMORE	010	FACF	IF		FB				AA 02500	
		KEVVN	020	FAF	TF		FB	0.5	155.1 (144.1T)	006.6	AA 02100	
		TATTO	021	SDF	TF		FB	0.3	155.2 (144.2T)	003.2	AA 01060	GS 01061
		RW15R	030	MAP	TF		FO	0.3	155.2 (144.2T)	002.8	AT 00194	
MISSED APPROACH		FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
			040		CA		FB		155.2 (144.2T)		AA 00338	
		JANNS	050		DF		FO				AA 02500	
		JANNS	060		HM	L	FO		335.3 (324.3T)	004.0	AA 02500	
POINT DATA		WAYPOINT			LAT IN SECS		LONG IN SECS		LAT IN MINS		LONG IN MINS	
		EMI			N392942.03		W0765842.86		N3929.701		W07658.714	
		BMORE			N392117.49		W0765022.33		N3921.292		W07650.372	
		JANNS			N385932.32		W0763013.23		N3859.539		W07630.221	
		KEVVN			N391556.34		W0764523.43		N3915.939		W07645.391	
		TATTO			N391318.81		W0764257.08		N3913.314		W07642.951	
		RW15R			N391104.90		W0764052.94		N3911.082		W07640.882	
RUNWAY DATA				THRESHOLD								
		RWY		ELEVATION		TCH						
		RW15R	00138			56						



CITY AND STATE BALTIMORE, MD	ELEVATION: 143	TDZE: 138	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME: BALTIMORE/WASHINGTON INTL THURGOOD MARSHALL			RNAV (GPS) Y RWY 15R, AMDT 2, 10/16/2014	AMDT: 1
					DATED: 09/25/2008

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION				RNAV (RNP) - STANDARD, INSTRUMENT APPROACH PROCEDURE, TITLE 14 CFR PART 97.33				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.								
TERMINAL ROUTES										MISSED APPROACH						
FROM		TO		COURSE AND DISTANCE				ALTITUDE		RNP: DA						
EMI VORTAC (IAF)		BMORE (TF) (FB) (RNP 1.00)		153.38 / 10.60				2500		CLIMB TO 2500 ON TRACK 155.20 TO JANNS AND HOLD.						
BMORE (IF)		KEVVN (TF) (FB) (RNP 1.00)		155.11 / 6.60				2100								
KEVVN		RW15R (MAP) (TF) (FO)		155.15 / 5.99												
RW15R (MAP)		JANNS (TF) (FO) (RNP 1.00)		155.20 / 14.21				2500								
										ADDITIONAL FLIGHT DATA: HOLD SE, LT, 335.31 INBOUND. CHART FAS OBST: 300 TREE 391152N/0764055W CHART FAS OBST: 265 ANT 391150N/0764121W # TCH 193.93 MSL (DO NOT CHART) DISTANCE TO THLD FROM 375 HAT: 1.00 NM. CHART MANDATORY 2500 AT BMORE. CHART MANDATORY 2100 AT KEVVN. ROUTE TYPE QUALIFIER 1: F ROUTE TYPE: A,H ROUTE TYPE QUALIFIER 2: S CHART MANDATORY 4000 AT EMI VORTAC.						
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)										MAG VAR: 11W EPOCH YEAR: 2000						
2. PROFILE STARTS AT BMORE																
3. FAC: 155.15 FAF: _____ DIST FAF TO MAP: _____ THLD: _____																
4. MIN. ALT: BMORE 2500, KEVVN 2100																
5. DIST TO THLD FROM OM: 5.99 MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____																
6. MIN GS INCPT: 2100 GS ALT AT: KEVVN 2100 OM: _____ MM: _____ IM: _____																
7. GS ANGLE: 3.00 TCH: 55.6# 34:1 IS CLEAR																
8. MSA FROM: RW15R 2800																
MINIMUMS																
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT							ALTERNATE: N A		STANDARD							
CATEGORY =====>		A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	
AUTHORIZATION REQUIRED																
RNP 0.11 DA	513	3800	375	513	3800	375	513	3800	375	513	3800	375				
RNP 0.30 DA	588	5200	450	588	5200	450	588	5200	450	588	5200	450				
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -12C (11F) OR ABOVE 54C (130F). CHART NOTE: FOR INOPERATIVE MALSR, INCREASE RNP 0.11 DA ALL CATS VISIBILITY TO 1 1/4 MILE , AND RNP 0.30 ALL CATS VISIBILITY TO 1 1/2 MILE. (SEE FORM 8260-10)																
CITY AND STATE BALTIMORE, MD		ELEVATION: 143 TDZE: 138 AIRPORT NAME: BALTIMORE/WASHINGTON INTL THURGOOD MARSHALL			FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (RNP) Z RWY 15R, AMDT 1, 10/16/2014					SUP: AMDT: ORIG-B DATED 06/30/2011				

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION RNAV (RNP) - STANDARD, INSTRUMENT APPROACH PROCEDURE, - TITLE 14 CFR PART 97.33			Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.		
NOTES, (CONT.): CHART NOTE: GPS REQUIRED. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON EMI VORTAC AIRWAY RADIALS 151 CW 187.					
QUALITY 5 CHECKED					
CITY AND STATE BALTIMORE, MD	ELEVATION: 143	TDZE: 138	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (RNP) Z RWY 15R, AMDT 1, 10/16/2014	SUP:
	AIRPORT NAME:				AMDT: ORIG-B
	BALTIMORE/WASHINGTON INTL THURGOOD MARSHALL				DATED: 06/30/2011

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

[illegible]

SUP:	CHECKED
AMDT:	ORIG-B
DATED:	06/30/2011

Page 3 of 4 Pages

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION								Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.				
RNAV (RNP) STANDARD INSTRUMENT APPROACH PROCEDURE												
FLIGHT STANDARDS SERVICES - FAR PART 97.33												
ARINC SUMMARY - 424-18 - RNAV (RNP)												
ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	EMI	EMI	010	IAF	IF		FB				AT 04000	
	EMI	BMORE	020		TF		FB	1.0			AT 02500	
		BMORE	010	FACF	IF		FB				AT 02500	
		KEVVN	020	FAF	TF		FB	1.0			AT 02100	
		RW15R	030	MAP	TF		FO	0.3			AT 00194	
MISSED APPROACH		FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		JANNS	040		TF		FO	1.0			AA 02500	
		JANNS	050		HM	L	FO		335.3 (324.3T)	004.0	AA 02500	
POINT DATA		WAYPOINT	LAT IN SECS			LONG IN SECS			LAT IN MINS		LONG IN MINS	
		EMI	N392942.03			W0765842.86			N3929.701		W07658.714	
		BMORE	N392117.49			W0765022.33			N3921.292		W07650.372	
		JANNS	N385932.32			W0763013.23			N3859.539		W07630.221	
		KEVVN	N391556.34			W0764523.43			N3915.939		W07645.391	
		RW15R	N391104.90			W0764052.94			N3911.082		W07640.882	
RUNWAY DATA			THRESHOLD									
		RWY	ELEVATION		TCH							
		RW15R	00138		56							



CITY AND STATE BALTIMORE, MD	ELEVATION: 143	TDZE: 138	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME: BALTIMORE/WASHINGTON INTL THURGOOD MARSHALL		RNAV	RNAV (RNP) Z RWY 15R, AMDT 1, 10/16/2014	ORIG-B
					DATED: 06/30/2011

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 <u>16 OCTOBER 2014</u>																							
CITY AND STATE BALTIMORE, MD				ELEVATION: 146 TDZE: 146 AIRPORT NAME: BALTIMORE/WASHINGTON INTL THURGOOD MARSHALL				FACILITY IDENTIFIER: BAL				PROCEDURE NO./AMDT NO./EFFECTIVE DATE: VOR/DME RWY 4, AMDT 3A, 5/18/2006								SUP AMDT 3 DATE 10/5/2000			

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 <u>16 OCTOBER</u> 2014																			
CITY AND STATE BALTIMORE, MD				ELEVATION: 146 TDZE: 143 AIRPORT NAME: BALTIMORE/WASHINGTON INTL THURGOOD MARSHALL				FACILITY IDENTIFIER: BAL		PROCEDURE NO./AMD'T NO./EFFECTIVE DATE: VOR/DME RWY 22, AMDT 11, 10/5/00						SUP AMD'T 10 DATE 2/24/2000			



US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION		RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33		Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.											
TERMINAL ROUTES				MISSED APPROACH											
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LP: RW35 LNAV: RW35 CLIMB TO 2800 DIRECT LELSE AND HOLD. ADDITIONAL FLIGHT DATA: HOLD N, RT, 166.15 INBOUND. CHART FAS OBST: 869 TOWER 452039N/0683027W FAS OBST: 789 AAO 451838N/0682833W 1076 AAO 451651.00N/0682842.00W WAAS CHANNEL # 45736 REFERENCE PATH ID: W35A RAE GN TO RW35: 3.00/40. CHART MILLINOCKET ASOS-3 CHART CIRCLING ICON LTP HAE: 38.5 M											
UYOSI (IAF)	LADNE (NOPT) (FB)	076.26 / 8.00	3100												
WIXIV (IAF)	LADNE (NOPT) (FB)	256.49 / 8.00	3100												
LADNE (IF/IAF)	RAEGN (FB)	346.37 / 6.01	2000												
RAEGN (FAF)	RW35 (MAP) (FO)	346.32 / 5.51													
RW35 (MAP)	608 MSL	346.32	2800												
608 MSL	LELSE (FO)														
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. HOLD S LADNE, RT, 346.37 INBOUND, 3100 FT. IN LIEU OF PT (IAF) 3. FAC: 346.32 FAF: RAE GN DIST FAF TO MAP: 5.51 THLD: 5.51 4. MIN. ALT: LADNE 3100, RAE GN 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: <u> </u>				MAG VAR: 19W EPOCH YEAR: 1995											
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
LP MDA	1120	1 1/4	912	1120	1 1/4	912	NA	NA	NA	NA	NA	NA	NA	NA	NA
LNAV MDA	1200	1 1/4	992	1200	1 1/2	992	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIRCLING	1240	1 1/4	1032	1240	1 1/2	1032	NA	NA	NA	NA	NA	NA	NA	NA	NA
NOTES: CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: PROCEDURE NA AT NIGHT. CHART NOTE: USE MILLINOCKET ALTIMETER SETTING; WHEN NOT RECEIVED, USE BANGOR INTL ALTIMETER SETTING AND INCREASE ALL MDA 20 FEET. (SEE FORM 8260-10)															
CITY AND STATE LINCOLN, ME		ELEVATION: 208 TDZE: 208 AIRPORT NAME: LINCOLN RGNL		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 35, AMDT 1 16 OCTOBER 2014				SUP: AMDT: ORIG DATED 07/02/2009					

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.

NOTES, (CONT.):

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

TAA

	FROM	TO	ALT
1.	256/30 CW 076/30 (NOPT)	LADNE (IF/IAF) (FB)	3100
2.	076/30 CW 166/30	UYOSI (IAF) (FB)	3400
3.	166/30 CW 256/30	WIXIV (IAF) (FB)	3100

QUALITY
6
CHECKED

CITY AND STATE
LINCOLN, ME

ELEVATION: 208 TDZE: 208
AIRPORT NAME:
LINCOLN RGNL

FACILITY
IDENTIFIER:
RNAV

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

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

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

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

FAS DATA BLOCK INFORMATIONDATA FIELDDATA

OPERATION TYPE 0
SBAS SERVICE PROVIDER IDENTIFIER 0
AIRPORT IDENTIFIER KLRG
RUNWAY RW35
APPROACH PERFORMANCE DESIGNATOR 0
ROUTE INDICATOR
REFERENCE PATH DATA SELECTOR 0
REFERENCE PATH IDENTIFIER (APPROACH ID) W35A
LTP/FTP LATITUDE 452132.1380N
LTP/FTP LONGITUDE 0683154.4570W
LTP/FTP ELLIPSOIDAL HEIGHT +00385
FPAP LATITUDE 452247.0730N
FPAP LONGITUDE 0683302.8030W
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 1896
HORIZONTAL ALERT LIMIT (HAL) 40.0
VERTICAL ALERT LIMIT (VAL) 0.0

CRC REMAINDER

CB895AD3

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K6
LTP ORTHOMETRIC HEIGHT +00629
FPAP ORTHOMETRIC HEIGHT +00629

QUALITY
6
CHECKED

CITY AND STATE

LINCOLN, ME

ELEVATION: 208

TDZE: 208

AIRPORT NAME:

LINCOLN RGNL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:

RNAV (GPS) RWY 35, AMDT 1

16 OCTOBER 2014

SUP:

AMDT: ORIG

DATED: 07/02/2009

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	KLRGK6FR35	ALADNE	010LADNEK6EA0EE	AR	HF		34640040		+ 03100	18000		A	JS
SUSAP	KLRGK6FR35	AUYOSI	010UYOSIK6EA0E	A	IF					18000		A	JS
SUSAP	KLRGK6FR35	AUYOSI	020LADNEK6EA0EE	B	010TF		07630080		+ 03100			A	JS
SUSAP	KLRGK6FR35	AWIXIV	010WIXIVK6EA0E	A	IF					18000		A	JS
SUSAP	KLRGK6FR35	AWIXIV	020LADNEK6EA0EE	B	010TF		25650080		+ 03100			A	JS
SUSAP	KLRGK6FR35	R	010LADNEK6EA0E	I	IF				+ 03100	18000		A	JS
SUSAP	KLRGK6FR35	R	020RAEGNK6EA1E	F	051TF		34640060		+ 02000			A	JS
SUSAP	KLRGK6FR35	R	020RAEGNK6EA2WALP			N	ALNAV						JS
SUSAP	KLRGK6FR35	R	030RW35 K6PG0GY	M	031TF		34630055		00246	-300		A	JS
SUSAP	KLRGK6FR35	R	040	0	M	CA	3463		+ 00608			A	JS
SUSAP	KLRGK6FR35	R	050LELSEK6EA0EY		DF				+ 02800			A	JS
SUSAP	KLRGK6FR35	R	060LELSEK6EA0EE	R	HM		16620040		+ 02800			A	JS

[illegible][illegible]

QUALITY
6
SERVICE

CITY AND STATE LINCOLN, ME	ELEVATION: 208	TDZE: 208	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME:			RNAV (GPS) RWY 35, AMDT 1	AMDT: ORIG
	LINCOLN RGNL		RNAV	16 OCTOBER 2014	DATED: 07/02/2009

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

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

ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	LADNE	LADNE	010	IAF	HF	R	FO		346.4 (327.4T)	004.0	AA 03100	
	UYOSI	UYOSI	010	IAF	IF		FB					
	UYOSI	LADNE	020		TF		FB	1.0	076.3 (057.3T)	008.0	AA 03100	
	WIXIV	WIXIV	010	IAF	IF		FB					
	WIXIV	LADNE	020		TF		FB	1.0	256.5 (237.5T)	008.0	AA 03100	
		LADNE	010	FACF	IF		FB				AA 03100	
		RAEGN	020	FAF	TF		FB	0.5	346.4 (327.4T)	006.0	AA 02000	
		RW35	030	MAP	TF		FO	0.3	346.3 (327.3T)	005.5	AT 00246	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		346.3 (327.3T)		AA 00608	
	LELSE	050		DF		FO				AA 02800	
	LELSE	060		HM	R	FO		166.2 (147.2T)	004.0	AA 02800	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	LADNE	N451150.43	W0682305.96	N4511.841	W06823.099
	LELSE	N453138.38	W0684109.27	N4531.640	W06841.155
	RAEGN	N451654.17	W0682741.46	N4516.903	W06827.691
	UYOSI	N450731.28	W0683236.94	N4507.521	W06832.616
	WIXIV	N451608.78	W0681333.54	N4516.146	W06813.559
	RW35	N452132.14	W0683154.46	N4521.536	W06831.908

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW35	00206	40

CITY AND STATE LINCOLN, ME	ELEVATION: 208	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 35, AMDT 1 16 OCTOBER 2014	SUP:
	AIRPORT NAME: LINCOLN RGNL			AMDT: ORIG
				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.											
US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION															
TERMINAL ROUTES				MISSED APPROACH											
FROM	TO	COURSE AND DISTANCE	ALTITUDE	ILS: DA LOC: 5.32 MILES AFTER HULKA INT/I-DWC 5.16 DME/RADAR OR AT I-DWC 0.17 DME FIX CLIMB TO 3000 ON HEADING 215 AND CRL VORTAC R-025 TO CRL VORTAC AND HOLD, OR AS DIRECTED BY ATC. ALTERNATE MA: (SIMULTANEOUS OPERATIONS NA) CLIMB TO 1100 THEN CLIMBING LEFT TURN TO 3000 DIRECT JZJ NDB AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3000. (ADF REQUIRED). ADDITIONAL FLIGHT DATA: HOLD S, RT, 016.00 INBOUND. CHART FAS OBST: 785 TOWER 421919N/0831742W CHART VDP AT 1.06 DME* DISTANCE VDP TO THLD 1.23 MILES. *LOC ONLY. CHART IN PLANVIEW: JZJ NDB. CHART IN PROFILE: I-DWC DME ANTENNA. CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD E JZJ NDB, RT, 275.00 INBOUND.											
DRBRN/19.55 DME/RADAR (IAF)	BHOLD/16.56 DME/RADAR	214.71 / 2.99 (I-DWC)	6000												
BHOLD/16.56 DME/RADAR	LUPAY/13.52 DME/RADAR	214.71 / 3.03 (I-DWC)	5000												
LUPAY/13.52 DME/RADAR	OSKER/10.44 DME/RADAR	214.71 / 3.09 (I-DWC)	4000												
OSKER/10.44 DME/RADAR (IF)	ROUGE/7.30 DME/RADAR	214.71 / 3.14 (I-DWC)	3000												
ROUGE/7.30 DME/RADAR	HULKA INT/5.16 DME/RADAR	214.71 / 2.14 (I-DWC)	2300												
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. PROFILE STARTS AT DRBRN 3. FAC: <u>214.71</u> FAF: <u>HULKA INT/5.16 DME/RADAR</u> DIST FAF TO MAP: <u>5.32</u> THLD: <u>5.32</u> 4. MIN. ALT: <u>DRBRN 7000, BHOLD 6000, LUPAY 5000, OSKER 4000, ROUGE 3000, HULKA 2300</u> 5. DIST TO THLD FROM OM: <u>-</u> MM: <u>-</u> IM: <u>-</u> 150 HAT: <u>1932</u> 100 HAT: <u>928</u> GS ANT: <u>1201</u> 6. MIN GS INCPT: <u>2300</u> GS ALT AT: <u>HULKA 2300</u> OM: <u>-</u> MM: <u>-</u> IM: <u>-</u> 7. GS ANGLE: <u>2.85</u> TCH: <u>54.0</u> 8. MSA FROM: <u>DXO VOR/DME 2800</u>				MAG VAR: 6W EPOCH YEAR: 1990											
MINIMUMS															
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE: N A		ILS: STANDARD		LOC: STANDARD							
CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
S-ILS 22L**	837	2400	200	837	2400	200	837	2400	200	837	2400	200			
S-LOC 22L	1080	2400	443	1080	2400	443	1080	4500	443	1080	4500	443			
CIRCLING	1200	1	555	1200	1	555	1200	1 1/2	555	1200	2	555			
NOTES: SA CATEGORY I ILS SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED S-ILS 22L: CAT A, B, C, D, RA 148, RVR 1400, HAT 150, DA 787 MSL. SA CATEGORY II ILS SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED S-ILS 22L: CAT A, B, C, D, RA 98, RVR 1200, HAT 100, DA 737 MSL. (SEE FORM 8260-10)															
CITY AND STATE		ELEVATION: 645 TDZE: 637		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:					
DETROIT, MI		AIRPORT NAME:		I-DWC		ILS OR LOC RWY 22L, AMDT 30B				AMDT: 30A					
		DETROIT METROPOLITAN WAYNE COUNTY				ILS RWY 22L (SA CAT I), ILS RWY 22L (SA CAT II)				DATED 09/18/2014					
						16 OCTOBER 2014									

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: **RVR 1800 AUTHORIZED WITH USE OF FD OR AP OR HUD TO DA.

CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED WITH RWY 21L.

CHART NOTE: DME OR RADAR REQUIRED.

CHART PLANVIEW NOTE: RADAR REQUIRED.

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

SA CAT II CHART NOTE: REDUCED LIGHTING: REQUIRES SPECIFIC OPSPEC, MSPEC, OR LOA APPROVAL AND USE OF AUTOLAND OR HUD TO TOUCHDOWN.

QUALITY
9
CHECKED

CITY AND STATE

DETROIT, MI

ELEVATION: 645

TDZE: 637

AIRPORT NAME:

DETROIT METROPOLITAN WAYNE COUNTY

FACILITY
IDENTIFIER:

I-DWC

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

ILS OR LOC RWY 22L, AMDT 30B

ILS RWY 22L (SA CAT I), ILS RWY 22L (SA CAT II)

16 OCTOBER 2014

SUP:

AMDT: 30A

DATED: 09/18/2014

FLIGHT STANDARDS SERVICES - 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.

[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KDTWK5FI22L	ADRBRN	010DRBRNK5PC0E	A	IF			+	07000	18000		0	NS
SUSAP	KDTWK5FI22L	ADRBRN	020BHOLDK5PC0E		TF			+	06000			0	NS
SUSAP	KDTWK5FI22L	ADRBRN	030LUPAYK5PC0E		TF			+	05000			0	NS
SUSAP	KDTWK5FI22L	ADRBRN	040OSKERK5PC0E	B	TF			+	04000			0	NS
SUSAP	KDTWK5FI22L	ADRBRN	050ROUGEK5PC0EE		CF	IDWCK5	0347009621470031PI	+	03000			0	NS
SUSAP	KDTWK5FI22L	I	010ROUGEK5PC0E	I	IF	IDWCK5	03470096	PI	J	030000230018000		0	NS
SUSAP	KDTWK5FI22L	I	020HULKAK5PC0E	F	CF	IDWCK5	0347007521500021PI	H	0230002300		-285DXO	K5D	0
SUSAP	KDTWK5FI22L	I	030RW22LK5PG0GY	M	CF	IDWCK5	0347002121500053PI		00690		-285		0
SUSAP	KDTWK5FI22L	I	040	0	M	VI	2150						0
SUSAP	KDTWK5FI22L	I	050CRL	K5D	OVY	CF	CRL K5	0000000020500100D	+	03000		0	NS
SUSAP	KDTWK5FI22L	I	060CRL	K5D	OVE	R	HM	0160T010	+	03000		0	NS

[illegible][illegible]

QUALITY
12

CITY AND STATE DETROIT, MI	ELEVATION: 645	TDZE: 637	FACILITY IDENTIFIER: I-DWC	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: ILS OR LOC RWY 22L, AMDT 30B	SUP: <i>CHECKED</i>
	AIRPORT NAME: DETROIT METROPOLITAN WAYNE COUNTY	ILS RWY 22L (SA CAT I), ILS RWY 22L (SA CAT II)		AMDT: 30A	
	16 OCTOBER 2014			DATED: 09/18/2014	

FLIGHT STANDARDS SERVICES - 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.

SUSAP KDTWK5IIDWC2 011070RW22LN42115954W0832223062147N42134386W0832112291019 12010308285W00606000636

[illegible]

QUALITY
12

CITY AND STATE DETROIT, MI	ELEVATION: 645	TDZE: 637	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP: CHECKED
	AIRPORT NAME:			ILS OR LOC RWY 22L, AMDT 30B	AMDT: 30A
	DETROIT METROPOLITAN WAYNE COUNTY		I-DWC	ILS RWY 22L (SA CAT I), ILS RWY 22L (SA CAT II) 16 OCTOBER 2014	DATED: 09/18/2014

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - 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.

ARINC SUMMARY - 424-18 - ILS

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	DRBRN	DRBRN	010	IAF	IF		FB				AA 07000	
	DRBRN	BHOLD	020		TF		FB				AA 06000	
	DRBRN	LUPAY	030		TF		FB				AA 05000	
	DRBRN	OSKER	040		TF		FB				AA 04000	
	DRBRN	ROUGE	050		CF		FB		214.7 ()	003.1	AA 03000	
		ROUGE	010	FACF	IF		FB				AA 03000	GI 02300
		HULKA	020	FAP	CF		FB		215.0 ()	002.1	GI 02300	GS 02300
		RW22L	030	MAP	CF		FO		215.0 ()	005.3	AT 00690	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		VI		FB		215.0 ()			
	CRL	050		CF		FO		205.0 ()	010.0	AA 03000	
	CRL	060		HM	R	FO		016.0 ()	T01.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CRL	N420252.89	W0832727.29	N4202.882	W08327.455
	DXO	N421247.29	W0832159.99	N4212.788	W08322.000
	BHOLD	N422832.24	W0831008.61	N4228.537	W08310.144
	DRBRN	N423109.24	W0830811.76	N4231.154	W08308.196
	HULKA	N421832.53	W0831733.20	N4218.542	W08317.553
	LUPAY	N422552.65	W0831207.18	N4225.878	W08312.120
	OSKER	N422310.35	W0831407.58	N4223.173	W08314.126
	ROUGE	N422025.19	W0831609.89	N4220.420	W08316.165
	RW22L	N421352.37	W0832059.97	N4213.873	W08321.000
	IDWC (LOC)	N421159.54	W0832223.06	N4211.992	W08322.384

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW22L	00636	60

 QUALITY
12
CITY AND STATE
DETROIT, MIELEVATION: 645 TDZE: 637
AIRPORT NAME:
DETROIT METROPOLITAN WAYNE COUNTYFACILITY
IDENTIFIER:
I-DWCPROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
ILS OR LOC RWY 22L, AMDT 30B
ILS RWY 22L (SA CAT I), ILS RWY 22L (SA CAT II)
16 OCTOBER 2014
 SUP: CHECKED
AMDT: 30A
DATED: 09/18/2014

FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.25

ARINC PACKET - 424-18 - LOC

[illegible]

QUALITY
12

SUP:	CHECKED
AMDT:	30A
DATED:	09/18/2014

FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.25

SUSAP KDTWK5IIDWC2 011070RW22LN42115954W0832223062147N42134386W0832112291019 12010308285W00606000636

[illegible]

QUALITY
12

CITY AND STATE DETROIT, MI	ELEVATION: 645	TDZE: 637	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP: <i>CHECKED</i>
	AIRPORT NAME:			ILS OR LOC RWY 22L, AMDT 30B	AMDT: 30A
	DETROIT METROPOLITAN WAYNE COUNTY		I-DWC	ILS RWY 22L (SA CAT I), ILS RWY 22L (SA CAT II) 16 OCTOBER 2014	DATED: 09/18/2014

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

LOC STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.25

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

ARINC SUMMARY - 424-18 - LOC

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	DRBRN	DRBRN	010	IAF	IF		FB				AA 07000	
	DRBRN	BHOLD	020		TF		FB				AA 06000	
	DRBRN	LUPAY	030		TF		FB				AA 05000	
	DRBRN	OSKER	040		TF		FB				AA 04000	
	DRBRN	ROUGE	050		CF		FB		214.7 ()	003.1	AA 03000	
		ROUGE	010	FACF	IF		FB				AA 03000	
		HULKA	020	FAF	CF		FB		215.0 ()	002.1	AA 02300	
		RW22L	030	MAP	CF		FO		215.0 ()	005.3	AT 00690	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		VI		FB		215.0 ()			
	CRL	050		CF		FO		205.0 ()	010.0	AA 03000	
	CRL	060		HM	R	FO		016.0 ()	T01.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CRL	N420252.89	W0832727.29	N4202.882	W08327.455
	DXO	N421247.29	W0832159.99	N4212.788	W08322.000
	BHOLD	N422832.24	W0831008.61	N4228.537	W08310.144
	DRBRN	N423109.24	W0830811.76	N4231.154	W08308.196
	HULKA	N421832.53	W0831733.20	N4218.542	W08317.553
	LUPAY	N422552.65	W0831207.18	N4225.878	W08312.120
	OSKER	N422310.35	W0831407.58	N4223.173	W08314.126
	ROUGE	N422025.19	W0831609.89	N4220.420	W08316.165
	RW22L	N421352.37	W0832059.97	N4213.873	W08321.000
	IDWC (LOC)	N421159.54	W0832223.06	N4211.992	W08322.384

RUNWAY DATA	THRESHOLD	TCH
RWY	ELEVATION	
RW22L	00636	60

 QUALITY
12

 CITY AND STATE
DETROIT, MI

 ELEVATION: 645 TDZE: 637
AIRPORT NAME:
DETROIT METROPOLITAN WAYNE COUNTY

 FACILITY
IDENTIFIER:
I-DWC

 PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
ILS OR LOC RWY 22L, AMDT 30B
ILS RWY 22L (SA CAT I), ILS RWY 22L (SA CAT II)
16 OCTOBER 2014

 SUP: CHECKED
AMDT: 30A
DATED: 09/18/2014

9

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: **RVR 1800 AUTHORIZED WITH USE OF FD OR AP OR HUD TO DA.

CHART PLANVIEW NOTE: RADAR REQUIRED.

QUALITY
CHECKED

CITY AND STATE

DETROIT, MI

ELEVATION: 645

TDZE: 637

AIRPORT NAME:

DETROIT METROPOLITAN WAYNE COUNTY

FACILITY
IDENTIFIER:

I-DWC

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

ILS PRM RWY 22L, ORIG-E
(SIMULTANEOUS CLOSE PARALLEL)

16 OCTOBER 2014

SUP:

AMDT: ORIG-D

DATED: 09/18/2014

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.
LUMBERTON, NC	LUMBERTON RGNL	16 OCTOBER 2014	3

TAKEOFF MINIMUMS:

RWY 05, 13, 23, STANDARD.

RWY 31, 300 – 1 OR STANDARD WITH MINIMUM CLIMB OF 250 FT PER NM TO 400, OR ALTERNATIVELY, WITH STANDARD TAKEOFF MINIMUMS AND A NORMAL 200 FT PER NM CLIMB GRADIENT, TAKEOFF MUST OCCUR NO LATER THAN 2000 FT PRIOR TO DER.

TEXTUAL DEPARTURE PROCEDURES:

VISUAL CLIMB OVER AIRPORT:

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 05, UTILITY 29 FT FROM DER, 117 FT LEFT OF CENTERLINE, 3 FT AGL/124 FT MSL. TREES BEGINNING 93 FT FROM DER, 335 FT RIGHT OF CENTERLINE, UP TO 55 FT AGL/180 FT MSL. TREES BEGINNING 1780 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 93 FT AGL/219 FT MSL.

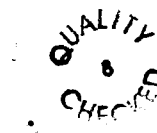
NOTE: RWY 13, VEHICLES ON ROADWAY BEGINNING 29 FT FROM DER, 392 FT RIGHT OF CENTERLINE, UP TO 15 FT AGL/139 FT MSL. VEHICLES ON ROADWAY BEGINNING 340 FT FROM DER, 123 FT LEFT OF CENTERLINE, UP TO 15 FT AGL/139 FT MSL. TREES BEGINNING 486 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 100 FT AGL/219 FT MSL.

NOTE: RWY 23, TREES BEGINNING 59 FT FROM DER, 119 FT RIGHT OF CENTERLINE, UP TO 107 FT AGL/233 FT MSL. TREES BEGINNING 3274 FT FROM DER, 31 FT LEFT OF CENTERLINE, UP TO 91 FT AGL/217 FT MSL.

NOTE: RWY 31, VEHICLES ON ROADWAY BEGINNING 258 FT FROM DER, 532 FT LEFT OF CENTERLINE, UP TO 15 FT AGL/139 FT MSL. BLDG 510 FT FROM DER, 612 FT LEFT OF CENTERLINE, 40 FT AGL/164 FT MSL. TREES BEGINNING 436 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 100 FT AGL/224 FT MSL. TOWER 5168 FT FROM DER, 1713 FT RIGHT OF CENTERLINE, 150 FT AGL/286 FT MSL.

CONTROLLING OBSTACLES:

RWY 31: 286 MSL TOWER 343733.47N/0790432.77W.



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.
LUMBERTON, NC	LUMBERTON RGNL	16 OCTOBER 2014	3

REMARKS:

AVERAGE VEGETATION ASSUMED TO BE 100 FT PER FPT.

FLIGHT INSPECTED BY:

Jeffrey Eckman

8/12/14

REQUIRED EFFECTIVE DATE:

ROUTINE

DEVELOPED BY:

JACOB POWERS
(JOHN LINDSEY)

AJV-352

06/27/2014

APPROVED BY:

SUE CRUMB

AJV-352

AUG 28 2014

COORDINATED WITH:

ALPA, AOPA, NBAA, ZDC, FAY APP CON, RALEIGH FSS, AMGR

CHANGES:

1. CHANGED RWY 31 MINIMUMS FROM "400 – 1" TO READ "300 – 1 OR STANDARD WITH MINIMUM CLIMB OF 2500 FT PER NM TO 400, OR ALTERNATIVELY, WITH STANDARD TAKEOFF MINIMUMS AND A NORMAL 200 FT PER NM CLIMB GRADIENT, TAKEOFF MUST OCCUR NO LATER THAN 2000 FT PRIOR TO DER".
2. UPDATED CONTROLLING OBSTACLE AND TAKEOFF OBSTACLE NOTES.
3. REMOVED RWY 31 DEPARTURE PROCEDURE PHRASEOLOGY.

REASONS:

1. IAW 8260.46D TABLE 2-1.
2. IAW 8260.46D.
3. NO OBSTRUCTIONS REQUIRING A CLIMB TO ALTITUDE BEFORE TURNING EXIST.



RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.								
TERMINAL ROUTES								MISSED APPROACH				
FROM		TO		COURSE AND DISTANCE		ALTITUDE		LP: ATELE LNAV: ATELE CLIMB TO 760 THEN CLIMBING RIGHT TURN TO 3700 DIRECT GLENT AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3700. ADDITIONAL FLIGHT DATA: CHART FAS OBST: 200 SHIP 551251N/1623606W CHART FAS OBST: 237 OL TOWER 551129N/1624231W CHART VDP AT 0.65 MILES TO ATELE WAAS CHANNEL # 42730 REFERENCE PATH ID: W26A SOTOE TO RW26: 3.02/45. FAC CROSSES RWY C/L EXTENDED 3000 FROM THLD. LTP HAE: 46.3 M CHART PLANVIEW NOTE: FINAL APPROACH COURSE OFFSET 14.53 DEGREES.				
CDB VORTAC		GLENT (FO)		032.52 / 11.85		3700						
ELF NDB		GLENT (FO)		040.66 / 11.09		3700						
SAFKO		GLENT (FO)		205.21 / 28.04		3700						
BINAL		GLENT (FO)		208.24 / 28.18		3700						
GLENT (IAF)		LEMMR (FB)		134.96 / 8.82		3000						
LEMMR (IF)		SOTOE (FB)		219.07 / 6.99		1900						
SOTOE (FAF)		ATELE (MAP) (FO)		248.25 / 5.01								
(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 NW GLENT, RT, 134.96 INBOUND, 3700 FT. IN LIEU OF PT (IAF) 3. FAC: 248.25 FAF: SOTOE <u> </u> DIST FAF TO MAP: 5.01 THLD: 5.49 4. MIN. ALT: GLENT 3700, LEMMR 3000, SOTOE 1900 5. DIST TO THLD FROM OM: <u> </u> MM: <u> </u> IM: <u> </u> 150 HAT: <u> </u> 100 HAT: <u> </u> GS ANT: <u> </u> 6. MIN GS INCPT: <u> </u> GS ALT AT: <u> </u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u> </u> TCH: 34:1 IS CLEAR 8. MSA FROM: ATELE 7100								MAG VAR: 12E 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
LP MDA **	500	1	398	500	1	398	500	1 1/8	398	500	1 1/8	398
LP MDA	720	1	618	720	1	618	720	1 3/4	618	720	1 3/4	618
LNAV MDA **	500	1	398	500	1	398	500	1 1/8	398	500	1 1/8	398
LNAV MDA	760	1	658	760	1	658	760	1 7/8	658	760	1 7/8	658
CIRCLING	760	1	658	760	1	658	760	1 7/8	658	760	2	658
NOTES: CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: **MISSED APPROACH REQUIRES A MINIMUM CLIMB OF 305 FEET PER NM TO 1240. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT ELF NDB ON G12 WESTBOUND. CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT. (SEE FORM 8260-10)												
CITY AND STATE		ELEVATION: 102 TDZE: 102		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:		
COLD BAY, AK		AIRPORT NAME:		RNAV		RNAV (GPS) RWY 26, AMDT 2A				AMDT: 2		
		COLD BAY				13 NOVEMBER 2014				DATED 10/17/2013		



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

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

TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
ATELE (MAP)	760 MSL	248.25	760
760 MSL	GLENT (FO)		3700

NOTES, (CONT.):

CHART NOTE: CIRCLING NA FOR CAT C AND D SW OF RWY 15-33.

CHART NOTE: CIRCLING NA FOR CAT A AND B SW OF RWY 15-33 AT NIGHT.



CITY AND STATE

COLD BAY, AK

ELEVATION: 102

TDZE: 102

AIRPORT NAME:

COLD BAY

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 26, AMDT 2A

13 NOVEMBER 2014

SUP:

AMDT: 2

DATED: 10/17/2013

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	PACD
RUNWAY	RW26
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W26A
FTP LATITUDE	551145.4750N
FTP LONGITUDE	1624223.9075W
LTP/FTP ELLIPSOIDAL HEIGHT	+00463
FPAP LATITUDE	551130.1905N
FPAP LONGITUDE	1624457.0585W
THRESHOLD CROSSING HEIGHT (TCH)	00045.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.02
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0000
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	0.0

CRC REMAINDER

F5509DD2

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	PA
LTP ORTHOMETRIC HEIGHT	+00309
FPAP ORTHOMETRIC HEIGHT	+00309

CITY AND STATE

COLD BAY, AK

ELEVATION: 102

TDZE: 102

AIRPORT NAME:

COLD BAY

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 26, AMDT 2A

13 NOVEMBER 2014

SUP:

AMDT: 2

DATED: 10/17/2013

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[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SCANP	PACDPAFR26	ABINAL	010BINALPAEAOE	IF						18000		A JS	
SCANP	PACDPAFR26	ABINAL	020GLENTPAEAOEY	020TF			20820282	+	03700			A JS	
SCANP	PACDPAFR26	ABINAL	030GLENTPAEAOE	AR HF			13500040	+	03700			A JS	
SCANP	PACDPAFR26	ABINAL	040LEMMRPAEAOEE	B 010TF			13500088	+	03000			A JS	
SCANP	PACDPAFR26	ACDB	010CDB PAD OV	IF						18000		A JS	
SCANP	PACDPAFR26	ACDB	020GLENTPAEAOEY	020TF			03250119	+	03700			A JS	
SCANP	PACDPAFR26	ACDB	030GLENTPAEAOE	AR HF			13500040	+	03700			A JS	
SCANP	PACDPAFR26	ACDB	040LEMMRPAEAOEE	B 010TF			13500088	+	03000			A JS	
SCANP	PACDPAFR26	AELF	010ELF PADBON	IF						18000		A JS	
SCANP	PACDPAFR26	AELF	020GLENTPAEAOEY	020TF			04070111	+	03700			A JS	
SCANP	PACDPAFR26	AELF	030GLENTPAEAOE	AR HF			13500040	+	03700			A JS	
SCANP	PACDPAFR26	AELF	040LEMMRPAEAOEE	B 010TF			13500088	+	03000			A JS	
SCANP	PACDPAFR26	ASAFKO	010SAFKOPAEAOE	IF						18000		A JS	
SCANP	PACDPAFR26	ASAFKO	020GLENTPAEAOEY	020TF			20520280	+	03700			A JS	
SCANP	PACDPAFR26	ASAFKO	030GLENTPAEAOE	AR HF			13500040	+	03700			A JS	
SCANP	PACDPAFR26	ASAFKO	040LEMMRPAEAOEE	B 010TF			13500088	+	03000			A JS	
SCANP	PACDPAFR26	R	010LEMMRPAEAOE	I IF				+	03000	18000		A JS	
SCANP	PACDPAFR26	R	020SOTOEPAAE1E	F 051TF			21910070	+	01900		ATELE PAEAA	JS	
SCANP	PACDPAFR26	R	020SOTOEPAAE2WALP		N	ALNAV						JS	
SCANP	PACDPAFR26	R	030ATELEPAEAOEY	M 031TF			24830050		00304	-302		A JS	

SUP:	
AMDT:	2
DATED:	10/17/2013

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[illegible][illegible]

Page 5 of 6 Pages

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
BINAL	BINAL	BINAL	010		IF		FB					
BINAL	GLENT	GLENT	020		TF		FO	2.0	208.2 (220.2T)	028.2	AA 03700	
BINAL	GLENT	GLENT	030	IAF	HF	R	FO		135.0 (147.0T)	004.0	AA 03700	
BINAL	LEMMR	LEMMR	040		TF		FB	1.0	135.0 (147.0T)	008.8	AA 03000	
CDB	CDB	CDB	010		IF		FB					
CDB	GLENT	GLENT	020		TF		FO	2.0	032.5 (044.5T)	011.9	AA 03700	
CDB	GLENT	GLENT	030	IAF	HF	R	FO		135.0 (147.0T)	004.0	AA 03700	
CDB	LEMMR	LEMMR	040		TF		FB	1.0	135.0 (147.0T)	008.8	AA 03000	
ELF	ELF	ELF	010		IF		FB					
ELF	GLENT	GLENT	020		TF		FO	2.0	040.7 (052.7T)	011.1	AA 03700	
ELF	GLENT	GLENT	030	IAF	HF	R	FO		135.0 (147.0T)	004.0	AA 03700	
ELF	LEMMR	LEMMR	040		TF		FB	1.0	135.0 (147.0T)	008.8	AA 03000	
SAFKO	SAFKO	SAFKO	010		IF		FB					
SAFKO	GLENT	GLENT	020		TF		FO	2.0	205.2 (217.2T)	028.0	AA 03700	
SAFKO	GLENT	GLENT	030	IAF	HF	R	FO		135.0 (147.0T)	004.0	AA 03700	
SAFKO	LEMMR	LEMMR	040		TF		FB	1.0	135.0 (147.0T)	008.8	AA 03000	
	LEMMR	LEMMR	010	FACF	IF		FB				AA 03000	
	SOTOE	SOTOE	020	FAF	TF		FB	0.5	219.1 (231.1T)	007.0	AA 01900	
	ATELE	ATELE	030	MAP	TF		FO	0.3	248.3 (260.3T)	005.0	AT 00304	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		248.3 (260.3T)		AA 00760	
	GLENT	050		DF	R	FO				AA 03700	
	GLENT	060		HM	R	FO		135.0 (147.0T)	004.0	AA 03700	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CDB	N551602.56	W1624627.26	N5516.043	W16246.454
	ELF	N551745.86	W1624720.67	N5517.764	W16247.345
	ATELE	N551150.38	W1624134.64	N5511.840	W16241.577
	BINAL	N554559.99	W1615956.43	N5546.000	W16159.941
	GLENT	N552427.72	W1623152.63	N5524.462	W16231.877
	LEMMR	N551704.81	W1622328.22	N5517.080	W16223.470
	SAFKO	N554648.66	W1620207.95	N5546.811	W16202.133
	SOTOE	N551241.52	W1623257.41	N5512.692	W16232.957
	RW26	N551152.84	W1624226.15	N5511.881	W16242.436

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW26	00102	45

CITY AND STATE COLD BAY, AK	ELEVATION: 102	TDZE: 102	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME:	COLD BAY	RNAV	RNAV (GPS) RWY 26, AMDT 2A	AMDT: 2
				13 NOVEMBER 2014	DATED: 10/17/2013

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION		ILS - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.29		Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.	
TERMINAL ROUTES				MISSED APPROACH	
FROM	TO	COURSE AND DISTANCE	ALTITUDE	ILS: DA LOC: 5.11 MILES AFTER LURDE/RUJ 6.90 DME/RADAR OR AT I-RUJ 1.79 DME FIX CLIMB TO 800 THEN CLIMBING RIGHT TURN TO 2000 ON HEADING 030 AND SJI R-058 TO STETS INT/SJI 35.90 DME AND HOLD, OR AS DIRECTED BY ATC. ALTERNATE MA: CLIMB TO 800 THEN CLIMBING RIGHT TURN TO 2000 ON HEADING 060 AND ON BFM VORTAC R-031 TO STETS/BFM 28.21 DME AND HOLD. ADDITIONAL FLIGHT DATA: HOLD NE, RT, 238.00 INBOUND. CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD NE STETS/BFM 28.21 DME, RT, 211.34 INBOUND. CHART FAS OBST: 90 TREE 303630N/0880333W CHART 180 SHIPMAST 303458N/0880144W. CHART VDP AT 2.58 DME*; DISTANCE VDP TO THLD 0.79 MILES. *LOC ONLY. CHART CIRCLING ICON CHART 4 NM ON OUTBOUND LEG OF HOLDING PATTERN AT ROKGO. CHART IN PLANVIEW ONLY SJI VORTAC 28.34 DME AT ROKGO.	
SJI VORTAC	ROKGO/I-RUJ 13.90 DME/RADAR	118.92 / 28.34	1700		
ROKGO/I-RUJ 13.90 DME/RADAR (IF/IAF)	LURDE/I-RUJ 6.90 DME/RADAR	319.76 / 7.00 (I-RUJ)	1700		
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD SE ROKGO, RT, 319.84 INBOUND, 1700 FT. IN LIEU OF PT (IAF) 3. FAC: 319.76 FAF: LURDE/I-RUJ 6.90 DME/RADAR DIST FAF TO MAP: 5.11 THLD: 5.11 4. MIN. ALT: ROKGO 1700, LURDE 1700, DEXOW/I-RUJ 3.39 DME 580* 5. DIST TO THLD FROM OM: _____ - _____ MM: _____ - _____ IM: _____ 150 HAT: _____ - 100 HAT: _____ - GS ANT: 1000 6. MIN GS INCPT: 1700 GS ALT AT: LURDE 1700 OM: _____ - _____ MM: _____ - _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 54.9 8. MSA FROM: _____				MAG VAR: 1W EPOCH YEAR: 2005	
MINIMUMS					
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT			ALTERNATE: N/A	ILS: #	LOC: STANDARD @
CATEGORY =====>	A		B		C
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS
S-ILS 32	225	1800	200	225	1800
S-LOC 32	580	2400	555	580	1 1/4
CIRCLING	680	1	654	680	1 3/4
DEXOW FIX MINIMUMS					
S-LOC 32	340	2400	315	340	2600
CIRCLING	680	1	654	680	1 3/4
NOTES: CHART NOTE: DME OR RADAR REQUIRED. CHART PLANVIEW NOTE: DME OR RADAR REQUIRED. CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT. *640 WHEN USING MOBILE RGNL ALTIMETER SETTING. (SEE FORM 8260-10)					
CITY AND STATE		ELEVATION: 26 TDZE: 25		FACILITY IDENTIFIER:	
MOBILE, AL		AIRPORT NAME:		I-RUJ	
		MOBILE DOWNTOWN		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	
				ILS OR LOC RWY 32, AMDT 3 13 NOVEMBER 2014	
				SUP: _____	
				AMDT: 2A	
				DATED 04/05/2012	

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS - STANDARD

INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.29

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NOTES, (CONT.):

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE MOBILE RGNL ALTIMETER SETTING AND INCREASE ALL DA 50 FEET AND ALL MDA 60 FEET, INCREASE S-LOC 32 CAT C/D VISIBILITY 1/2 MILE AND CIRCLING CAT C VISIBILITY 1/4 MILE, INCREASE DEXOW FIX MINIMUMS S-LOC 32 CATS C/D VISIBILITY 1/8 MILE.

CHART NOTE: FOR INOPERATIVE MALSR INCREASE S-ILS 32 ALL CATS VISIBILITY TO RVR 4000.

CHART PLANVIEW NOTE: GPS REQUIRED FOR TERMINAL ARRIVAL AREA

CHART NOTE: VDP NA WHEN USING MOBILE RGNL ALTIMETER SETTING.

TAA

	FROM	TO	ALT
1.	230/30 CW 050/30 (NOPT)	230/15 CW 050/15	3100
2.	230/15 CW 050/15	ROKGO (FB)	1700
3.	050/30 CW 230/30	050/15 CW 230/15	3100
4.	050/15 CW 230/15	ROKGO (FO)	1700

CITY AND STATE

MOBILE, AL

ELEVATION: 26

TDZE: 25

AIRPORT NAME:

MOBILE DOWNTOWN

FACILITY
IDENTIFIER:
I-RUJ

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

ILS OR LOC RWY 32, AMDT 3

13 NOVEMBER 2014

SUP:

AMDT:

2A

DATED:

04/05/2012

FLIGHT STANDARDS SERVICES - 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.

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

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KBFMK7FI32	ASJI	010SJI	K7D 0V	IF					18000		0	NS
SUSAP	KBFMK7FI32	ASJI	020ROK	GOK7PC0EY	TF				+ 01700			0	NS
SUSAP	KBFMK7FI32	ASJI	030ROK	GOK7PC0EE AR	HF	IRUJK7	139701393198T010PI		+ 01700			0	NS
SUSAP	KBFMK7FI32	I	010ROK	GOK7PC0E I	IF	IRUJK7	13970139	PI	J 017000170018000			0	NS
SUSAP	KBFMK7FI32	I	020LUR	DEK7PC0E F	CF	IRUJK7	1397006932000070PI	H	0170001700	-300		0	NS
SUSAP	KBFMK7FI32	I	030RW32	K7PG0GY M	CF	IRUJK7	1398001832000051PI		00073	-300		0	NS
SUSAP	KBFMK7FI32	I	040	0 M	CA		3198		+ 00800			0	NS
SUSAP	KBFMK7FI32	I	050	0	VI		0300					0	NS
SUSAP	KBFMK7FI32	I	060STET	SK7EA0EY	CF	SJI K7	0580035905800150D		+ 02000			0	NS
SUSAP	KBFMK7FI32	I	070STET	SK7EA0EE R	HM		2380T010		+ 02000			0	NS

[illegible]

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

QUALITY
12

CITY AND STATE MOBILE, AL	ELEVATION: 26	TDZE: 25	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP: CHECKED
	AIRPORT NAME: MOBILE DOWNTOWN			ILS OR LOC RWY 32, AMDT 3	AMDT: 2A
			I-RUJ	13 NOVEMBER 2014	DATED: 04/05/2012

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.29

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SUSAP KBFMK7IIRUJ1 010850RW32 N30380771W0880456523198N30365236W0880346201156 10000373300W00105500018

CITY AND STATE
MOBILE, AL

ELEVATION: 26 TDZE: 25
AIRPORT NAME:
MOBILE DOWNTOWN

FACILITY
IDENTIFIER:
I-RUJ

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

QUALITY
12
SUP: CHECKED
AMDT: 2A
DATED: 04/05/2012

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - TITLE 14 CFR 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
	SJI	SJI	010		IF		FB					
	SJI	ROKGO	020		TF		FO				AA 01700	
	SJI	ROKGO	030	IAF	HF	R	FO		319.8()	T01.0	AA 01700	
		ROKGO	010	FACF	IF		FB				AA 01700	GI 01700
		LURDE	020	FAF	CF		FB		320.0()	007.0	GI 01700	GS 01700
		RW32	030	MAP	CF		FO		320.0()	005.1	AT 00073	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		319.8()		AA 00800	
		050		VI		FB		030.0()			
	STETS	060		CF		FO		058.0()	015.0	AA 02000	
	STETS	070		HM	R	FO		238.0()	T01.0	AA 02000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	SJI	N304333.53	W0882133.46	N3043.559	W08821.558
	IRUJ (DME)	N303806.81	W0880459.72	N3038.114	W08804.995
	STETS	N305948.22	W0874420.79	N3059.804	W08744.347
	LURDE	N303256.48	W0875941.25	N3032.941	W08759.688
	ROKGO	N302739.65	W0875421.10	N3027.661	W08754.352
	RW32	N303647.51	W0880335.21	N3036.792	W08803.587
	IRUJ (LOC)	N303807.71	W0880456.52	N3038.129	W08804.942

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW32	00019	55

CITY AND STATE
MOBILE, ALELEVATION: 26 TDZE: 25
AIRPORT NAME:
MOBILE DOWNTOWNFACILITY
IDENTIFIER:
I-RUJPROCEDURE NO./AMDT NO./EFFECTIVE DATE:
ILS OR LOC RWY 32, AMDT 3
13 NOVEMBER 2014

QUALITY
12
SUP: CHECKED
AMDT: 2A
DATED: 04/05/2012

FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.25

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

ARINC PACKET - 424-18 - LOC

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

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KB	FM	K7	FL	32	AS	JI	010	S	J	K7D	0V	IF
SUSAP	KB	FM	K7	FL	32	AS	JI	020	R	O	K	G	0K7PC0EY
SUSAP	KB	FM	K7	FL	32	AS	JI	030	R	O	K	G	0K7PC0EE AR
SUSAP	KB	FM	K7	FL	32	L		010	R	O	K	G	0K7PC0E I
SUSAP	KB	FM	K7	FL	32	L		020	L	U	R	D	E
SUSAP	KB	FM	K7	FL	32	L		021	D	E	X	O	W
SUSAP	KB	FM	K7	FL	32	L		030	R	W	32	K7P	G
SUSAP	KB	FM	K7	FL	32	L		040					
SUSAP	KB	FM	K7	FL	32	L		050					
SUSAP	KB	FM	K7	FL	32	L		060	S	T	E	S	K
SUSAP	KB	FM	K7	FL	32	L		070	S	T	E	S	K

[illegible]

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

QUALITY
12

CITY AND STATE
MOBILE, AL

ELEVATION: 26 TDZE: 25
AIRPORT NAME: MOBILE DOWNTOWN

FACILITY
IDENTIFIER:
I-RUJ

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

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

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

LOC STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.25

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

ILS 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012

SUSAP KBFMK7IIRUJ1 010850RW32 N30380771W0880456523198N30365236W0880346201156 10000373300W00105500018

QUALITY
12

CITY AND STATE MOBILE, AL	ELEVATION: 26 AIRPORT NAME: MOBILE DOWNTOWN	TDZE: 25 FACILITY IDENTIFIER: I-RUJ	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: ILS OR LOC RWY 32, AMDT 3 13 NOVEMBER 2014	SUP: CHECKED
				AMDT: 2A
				DATED: 04/05/2012

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

LOC STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.25

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

ARINC SUMMARY - 424-18 - LOC

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	SJI	SJI	010		IF		FB					
	SJI	ROKGO	020		TF		FO				AA 01700	
	SJI	ROKGO	030	IAF	HF	R	FO		319.8()	T01.0	AA 01700	
		ROKGO	010	FACF	IF		FB				AA 01700	
		LURDE	020	FAF	CF		FB		320.0()	007.0	AA 01700	
		DEXOW	021	SDF	CF		FB		320.0()	003.5	AA 00580	
		RW32	030	MAP	CF		FO		320.0()	001.6	AT 00073	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		319.8()		AA 00800	
		050		VI		FB		030.0()			
	STETS	060		CF		FO		058.0()	015.0	AA 02000	
	STETS	070		HM	R	FO		238.0()	T01.0	AA 02000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	SJI	N304333.53	W0882133.46	N3043.559	W08821.558
	IRUJ (DME)	N303806.81	W0880459.72	N3038.114	W08804.995
	STETS	N305948.22	W0874420.79	N3059.804	W08744.347
	DEXOW	N303535.16	W0880221.87	N3035.586	W08802.365
	LURDE	N303256.48	W0875941.25	N3032.941	W08759.688
	ROKGO	N302739.65	W0875421.10	N3027.661	W08754.352
	RW32	N303647.51	W0880335.21	N3036.792	W08803.587
	IRUJ (LOC)	N303807.71	W0880456.52	N3038.129	W08804.942

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW32	00019	55

CITY AND STATE
MOBILE, AL

ELEVATION: 26 TDZE: 25
AIRPORT NAME:
MOBILE DOWNTOWN

FACILITY
IDENTIFIER:
I-RUJ

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

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

QUALITY
12

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 1700 DIRECT ROKGO AND HOLD. ADDITIONAL FLIGHT DATA: HOLD SE, RT, 319.84 INBOUND. CHART FAS OBST: 181 TOWER 303934N/0880550W CHART: 238 BLDG-TWR 304029.00N/0880658.00W DISTANCE TO THLD FROM 254 HAT: 0.64 NM. CHART VDP AT 1.08 MILES TO RW14* *LNAV ONLY. WAAS CHANNEL # 50411 REFERENCE PATH ID: W14A CHART CIRCLING ICON LTP HAE: -20.5 M											
NOTNE (IF/IAF)	HUTIP (FB)	139.68 / 7.00	1500												
HUTIP (FAF)	UFYAH/3.00 NM TO RW14 (FB)	139.72 / 1.47													
UFYAH/3.00 NM TO RW14	RW14 (MAP) (FO)	139.72 / 3.00													
RW14 (MAP)	280 MSL	139.72	1700												
280 MSL	ROKGO (FO)														
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. HOLD NW NOTNE, LT, 139.68 INBOUND, 2100 FT. IN LIEU OF PT (IAF) 3. FAC: <u>139.72</u> FAF: <u>HUTIP</u> DIST FAF TO MAP: <u>4.47</u> THLD: <u>4.47</u> 4. MIN. ALT: NOTNE 2100, HUTIP 1500, UFYAH/3.00 NM TO RW14 1020* 5. DIST TO THLD FROM OM: <u> </u> MM: <u> </u> IM: <u> </u> 150 HAT: <u> </u> 100 HAT: <u> </u> GS ANT: <u> </u> 6. MIN GS INCPT: <u>1500</u> GS ALT AT: <u>HUTIP 1500</u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u>3.00</u> TCH: <u>50.0</u> 34:1 IS NOT CLEAR 8. MSA FROM: <u> </u>				MAG VAR: 1W EPOCH YEAR: 2005											
MINIMUMS															
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT			ALTERNATE: N A		STANDARD @										
CATEGORY =====>	A		B		C		D		E						
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	311	7/8	285	311	7/8	285	311	7/8	285	311	7/8	285			
LNAV/VNAV DA	280	3/4	254	280	3/4	254	280	3/4	254	280	3/4	254			
LNAV MDA	440	1	414	440	1	414	440	1 1/8	414	440	1 1/8	414			
CIRCLING	680	1	654	680	1	654	680	1 3/4	654	1100	3	1074			
NOTES: CHART NOTE: DME/DME RNP-0.3 NA. CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE MOBILE RGNL ALTIMETER SETTING AND INCREASE ALL DA 50 FT AND ALL MDA 60 FT, INCREASE LPV ALL CATS, LNAV/VNAV ALL CATS, (SEE FORM 8260-10)															
CITY AND STATE MOBILE, AL		ELEVATION: 26 TDZE: 26 AIRPORT NAME: MOBILE DOWNTOWN		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 14, AMDT 2 13 NOVEMBER 2014				SUP: <u> </u> AMDT: <u>18</u> DATED 07/25/2013					

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

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

NOTES, (CONT.):

LNAV CATS C AND D, AND CIRCLING CAT C VISIBILITY 1/4 MILE.

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

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW 13C (56F) OR ABOVE 54C (130F)

CHART NOTE: BARO VNAV AND VDP NA WHEN USING MOBILE RGNL ALTIMETER SETTING

TAA

	FROM	TO	ALT
1.	050/30 CW 230/30 (NOPT)	NOTNE (IAF) (FB)	2100
2.	230/30 CW 050/30	230/15 CW 050/15	3100
3.	230/15 CW 050/15	NOTNE (IAF) (FO)	2100

QUALITY
CHECKED

CITY AND STATE

MOBILE, AL

ELEVATION: 26

TDZE: 26

AIRPORT NAME:

MOBILE DOWNTOWN

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 14, AMDT 2

13 NOVEMBER 2014

SUP:

AMDT:

1B

DATED:

07/25/2013

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 KBFM
RUNWAY RW14
APPROACH PERFORMANCE DESIGNATOR 0
ROUTE INDICATOR 0
REFERENCE PATH DATA SELECTOR 0
REFERENCE PATH IDENTIFIER (APPROACH ID) W14A
LTP/FTP LATITUDE 303759.0830N
LTP/FTP LONGITUDE 0880447.7830W
LTP/FTP ELLIPSOIDAL HEIGHT -00205
FPAP LATITUDE 303647.5130N
FPAP LONGITUDE 0880335.2080W
THRESHOLD CROSSING HEIGHT (TCH) 00050.0
TCH UNITS SELECTOR (METERS OR FEET USED) F
GLIDEPATH ANGLE (GPA) 03.00
COURSE WIDTH AT THRESHOLD 106.75
LENGTH OFFSET 0000
HORIZONTAL ALERT LIMIT (HAL) 40.0
VERTICAL ALERT LIMIT (VAL) 50.0

CRC REMAINDER

AC64DF5D

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K7
LTP ORTHOMETRIC HEIGHT +00080
FPAP ORTHOMETRIC HEIGHT +00080



CITY AND STATE

MOBILE, AL

ELEVATION: 26

TDZE: 26

AIRPORT NAME:

MOBILE DOWNTOWN

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 14, AMDT 2

13 NOVEMBER 2014

SUP:

AMDT: 1B

DATED: 07/25/2013

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

[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KB	FM	K7	FR	14	ANOTNE	010NOTNEK7EA0EE	AL	HF				
SUSAP	KB	FM	K7	FR	14	R	010NOTNEK7EA0E	I	IF				
SUSAP	KB	FM	K7	FR	14	R	020HUTIPK7EA1E	F	051TF				
SUSAP	KB	FM	K7	FR	14	R	020HUTIPK7EA2WALPV		ALNAV/VNAV	ALNAV			
SUSAP	KB	FM	K7	FR	14	R	021UFYAHK7EA0E	S	031TF				
SUSAP	KB	FM	K7	FR	14	R	030RW14	K7PGOGY	M	031TF			
SUSAP	KB	FM	K7	FR	14	R	040		0	M	CA		
SUSAP	KB	FM	K7	FR	14	R	050ROKGOX7EA0EY		DF				
SUSAP	KB	FM	K7	FR	14	R	060ROKGOX7EA0EE	R	HM				

[illegible][illegible]

SUP:	
AMDT:	1B
DATED:	07/25/2013

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
	NOTNE	NOTNE	010	IAF	HF	L	FO		139.7 (138.7T)	004.0	AA 02100	
		NOTNE	010	FACF	IF		FB				AA 02100	
		HUTIP	020	FAF	TF		FB	0.5	139.7 (138.7T)	007.0	AA 01500	
		UFYAH	021	SDF	TF		FB	0.3	139.7 (138.7T)	001.5	AA 01020	GS 01031
		RW14	030	MAP	TF		FO	0.3	139.7 (138.7T)	003.0	AT 00076	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		139.7 (138.7T)		AA 00280	
	ROKGO	050		DF		FO				AA 01700	
	ROKGO	060		HM	R	FO		319.8 (318.8T)	004.0	AA 01700	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	HUTIP	N304121.21	W0880812.94	N3041.354	W08808.216
	NOTNE	N304637.46	W0881334.59	N3046.624	W08813.577
	ROKGO	N302739.65	W0875421.10	N3027.661	W08754.352
	UFYAH	N304014.71	W0880705.40	N3040.245	W08807.090
	RW14	N303759.08	W0880447.78	N3037.985	W08804.796

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW14	00026	50



CITY AND STATE MOBILE, AL	ELEVATION: 26	TDZE: 26	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 14, AMDT 2 13 NOVEMBER 2014	SUP:
	AIRPORT NAME: MOBILE DOWNTOWN				AMDT: 1B
					DATED: 07/25/2013

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.								
US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION												
TERMINAL ROUTES				MISSED APPROACH								
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LPV: DA LNAV/VNAV: DA LNAV: RW18 CLIMB TO 2000 DIRECT POCIP AND HOLD. ADDITIONAL FLIGHT DATA: HOLD S, RT, 000.97 INBOUND. CHART FAS OBST: 179 TOWER 304006N/0880335W DISTANCE TO THLD FROM 250 HATH: 0.63 NM. CHART VDP AT 1.14 MILES TO RW18* *LNAV ONLY. WAAS CHANNEL # 97611 REFERENCE PATH ID: W18A CHART CIRCLING ICON LTP HAE: -20.8 M								
WORIR (IF/IAF)	ZERDA (FB)	179.31 / 7.21	1800									
ZERDA (FAF)	SOYTO/3.00 NM TO RW18 (FB)	180.97 / 2.42										
SOYTO/3.00 NM TO RW18	RW18 (MAP) (FO)	180.97 / 3.00										
RW18 (MAP)	275 MSL	180.97										
275 MSL	POCIP (FO)		2000									
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. HOLD N WORIR, RT, 179.31 INBOUND, 2100 FT. IN LIEU OF PT (IAF) 3. FAC: <u>180.97</u> FAF: <u>ZERDA</u> DIST FAF TO MAP: <u>5.42</u> THLD: <u>5.42</u> 4. MIN. ALT: <u>WORIR 2100, ZERDA 1800, SOYTO/3.00 NM TO RW18 1020*</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>1800</u> GS ALT AT: <u>ZERDA 1800</u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u>3.00</u> TCH: <u>50.0</u> 34:1 IS NOT CLEAR 8. MSA FROM: <u> </u>				MAG VAR: 1W EPOCH YEAR: 2005								
MINIMUMS												
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE: N A		STANDARD @						
CATEGORY =====>	A		B		C		D		E			
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	276	3/4	250	276	3/4	250	276	3/4	250			
LNAV/VNAV DA	398	1 1/4	372	398	1 1/4	372	398	1 1/4	372			
LNAV MDA	440	1	414	440	1	414	440	1 1/8	414	440	1 1/8	414
CIRCLING	680	1	654	680	1	654	680	1 3/4	654	1100	3	1074
NOTES: CHART NOTE: DME/DME RNP-0.3 NA. CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE MOBILE RGNL ALTIMETER SETTING AND INCREASE ALL DA 50 FT AND MDA 60 FT AND INCREASE LPV ALL CATS VISIBILITY 1/4 MILE, INCREASE (SEE FORM 8260-10) @ CAT D 1100-3 @ NA WHEN LOCAL WEATHER NOT AVAILABLE.												
CITY AND STATE		ELEVATION: 26 TDZE: 26		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:			SUP:			
MOBILE, AL		AIRPORT NAME:		RNAV		RNAV (GPS) RWY 18, AMDT 2 13 NOVEMBER 2014			AMDT: 1			
		MOBILE DOWNTOWN							DATED 05/07/2009			

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

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NOTES, (CONT.):

LNAV/VNAV ALL CATS VISIBILITY 1/8 MILE, INCREASE LNAV CAT C/D VISIBILITY 1/4 MILE, AND INCREASE CIRCLING CAT C VISIBILITY 1/4 MILE

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

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW 13C (56F) OR ABOVE 54C (130F)

CHART NOTE: BARO VNAV AND VDP NA WHEN USING MOBILE RGNL ALTIMETER SETTING

TAA

	FROM	TO	ALT
1.	091/30 CW 271/30 (NOPT)	WORIR (IAF) (FB)	2100
2.	271/30 CW 091/30	271/15 CW 091/15	3100
3.	271/15 CW 091/15	WORIR (IAF) (FO)	2100

CITY AND STATE

MOBILE, AL

ELEVATION: 26

TDZE: 26

AIRPORT NAME:

MOBILE DOWNTOWN

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 18, AMDT 2

13 NOVEMBER 2014

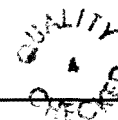
SUP:

AMDT:

1

DATED:

05/07/2009



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

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

FAS DATA BLOCK INFORMATIONDATA FIELDDATA

OPERATION TYPE 0
SBAS SERVICE PROVIDER IDENTIFIER 0
AIRPORT IDENTIFIER KBFM
RUNWAY RW18
APPROACH PERFORMANCE DESIGNATOR 0
ROUTE INDICATOR 0
REFERENCE PATH DATA SELECTOR W18A
REFERENCE PATH IDENTIFIER (APPROACH ID) 303831.1790N
LTP/FTP LATITUDE 0880357.3010W
LTP/FTP LONGITUDE -00208
LTP/FTP ELLIPSOIDAL HEIGHT 303701.8730N
FPAP LATITUDE 0880357.2495W
FPAP LONGITUDE 00050.0
THRESHOLD CROSSING HEIGHT (TCH) F
TCH UNITS SELECTOR (METERS OR FEET USED) 03.00
GLIDEPATH ANGLE (GPA) 106.75
COURSE WIDTH AT THRESHOLD 0376
LENGTH OFFSET 40.0
HORIZONTAL ALERT LIMIT (HAL) 50.0
VERTICAL ALERT LIMIT (VAL)

CRC REMAINDER

1B04C2AE

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K7
LTP ORTHOMETRIC HEIGHT +00077
FPAP ORTHOMETRIC HEIGHT +00077

CITY AND STATE

MOBILE, AL

ELEVATION: 26

TDZE: 26

AIRPORT NAME:

MOBILE DOWNTOWN

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 18, AMDT 2

13 NOVEMBER 2014

SUP:

AMDT:

1

DATED:

05/07/2009

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

[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KBFMK7FR18	AWORIR	010WORIRK7EA0EE	AR	HF		17930040	+	02100	18000		A	JS
SUSAP	KBFMK7FR18	R	010WORIRK7EA0E	I	IF			+	02100	18000		A	JS
SUSAP	KBFMK7FR18	R	020ZERDAK7EA1E	F	051TF		17930072	+	01800			A	JS
SUSAP	KBFMK7FR18	R	020ZERDAK7EA2WALFV		ALNAV/VNAV	ALNAV							JS
SUSAP	KBFMK7FR18	R	021SOYTOK7EA0E	S	031TF		18100024	V	0102001030	-300		A	JS
SUSAP	KBFMK7FR18	R	030RW18	K7PG0GY	M	031TF	18100030		00075	-300		A	JS
SUSAP	KBFMK7FR18	R	040		0	M	1810	+	00275			A	JS
SUSAP	KBFMK7FR18	R	050POCIPK7EA0EY		DF			+	02000			A	JS
SUSAP	KBFMK7FR18	R	060POCIPK7EA0EE	R	HM		00100040	+	02000			A	JS

[illegible][illegible]

CITY AND STATE MOBILE, AL	ELEVATION: 26	TDZE: 26	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 18, AMDT 2 13 NOVEMBER 2014	SUP:
	AIRPORT NAME: MOBILE DOWNTOWN				AMDT: 1
					DATED: 05/07/2009

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

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are 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
	WORIR	WORIR	010	IAF	HF	R	FO		179.3(178.3T)	004.0	AA 02100	
		WORIR	010	FACF	IF		FB				AA 02100	
		ZERDA	020	FAF	TF		FB	0.5	179.3(178.3T)	007.2	AA 01800	
		SOYTO	021	SDF	TF		FB	0.3	181.0(180.0T)	002.4	AA 01020 GS 01030	
		RW18	030	MAP	TF		FO	0.3	181.0(180.0T)	003.0	AT 00075	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		181.0(180.0T)		AA 00275	
	POCIP	050		DF		FO				AA 02000	
	POCIP	060		HM	R	FO		001.0(360.0T)	004.0	AA 02000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	POCIP	N302447.19	W0880356.79	N3024.787	W08803.947
	SOYTO	N304131.59	W0880357.41	N3041.527	W08803.957
	WORIR	N305110.09	W0880412.28	N3051.168	W08804.205
	ZERDA	N304356.86	W0880357.49	N3043.948	W08803.958
	RW18	N303831.18	W0880357.30	N3038.520	W08803.955

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW18	00025	50

CITY AND STATE
MOBILE, AL

ELEVATION: 26 TDZE: 26
AIRPORT NAME:
MOBILE DOWNTOWN

FACILITY
IDENTIFIER:
RNAV

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

SUP:
AMDT: 1
DATED: 05/07/2009

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION		RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33		Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.											
TERMINAL ROUTES				MISSED APPROACH											
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LPV: DA LNAV/VNAV: DA LNAV: RW32 CLIMB TO 800 THEN CLIMBING RIGHT TURN TO 2000 DIRECT WORIR AND HOLD. ADDITIONAL FLIGHT DATA: HOLD N, RT, 176.00 INBOUND. CHART FAS OBST: 106 TREE 303637N/0880354W FAS OBST: 180 SHIPMAST 303458N/0880144W DISTANCE TO THLD FROM 200 HAT: 0.46 NM. CHART VDP AT 1.27 MILES TO RW32* *LNAV ONLY. WAAS CHANNEL # 70304 REFERENCE PATH ID: W32A CHART CIRCLING ICON LTP HAE: -22.8 M											
ROKGO (IF/IAF)	LURDE (FB)	319.84 / 7.00	1700												
LURDE (FAF)	RW32 (MAP) (FO)	319.79 / 5.11													
RW32 (MAP)	800 MSL	319.79	800												
800 MSL	WORIR (FO)		2000												
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. <u>HOLD SE ROKGO, RT, 319.84 INBOUND, 1700 FT. IN LIEU OF PT (IAF)</u> 3. FAC: <u>319.79</u> FAF: <u>LURDE</u> DIST FAF TO MAP: <u>5.11</u> THLD: <u>5.11</u> 4. MIN. ALT: <u>ROKGO 1700, LURDE 1700</u> 5. DIST TO THLD FROM OM: <u> </u> MM: <u> </u> IM: <u> </u> 150 HAT: <u> </u> 100 HAT: <u> </u> GS ANT: <u> </u> 6. MIN GS INCPT: <u>1700</u> GS ALT AT: <u>LURDE 1700</u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u>3.00</u> TCH: <u>55.0</u> <u>34:1 IS CLEAR</u> 8. MSA FROM: <u> </u>				MAG VAR: 1W EPOCH YEAR: 2005											
MINIMUMS															
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE: N/A											
CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	225	2400	200	225	2400	200	225	2400	200	225	2400	200			
LNAV/VNAV DA	283	2400	258	283	2400	258	283	2400	258	283	2400	258			
LNAV MDA	480	2400	455	480	2400	455	480	5000	455	480	5000	455			
CIRCLING	680	1	654	680	1	654	680	1 3/4	654	1100	3	1074			
NOTES: CHART NOTE: DME/DME RNP-0.3 NA. CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE MOBILE RGNL ALTIMETER SETTING AND INCREASE ALL DA 50 FT AND MDA 60 FT AND INCREASE (SEE FORM 8260-10)															
CITY AND STATE MOBILE, AL		ELEVATION: 26 TDZE: 25 AIRPORT NAME: MOBILE DOWNTOWN		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 32, AMDT 2 13 NOVEMBER 2014				SUP: AMDT: 1 DATED 08/27/2009					

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

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

NOTES, (CONT.):

LNAV CAT C/D VISIBILITY TO RVR 5500, AND INCREASE CIRCLING CAT C VISIBILITY 1/4 MILE.

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW 13C (56F) OR ABOVE 54C (130F)

CHART NOTE: BARO VNAV AND VDP NA WHEN USING MOBILE RGNL ALTIMETER SETTING

TAA

	FROM	TO	ALT
1.	230/30 CW 050/30 (NOPT)	230/15 CW 050/15	3100
2.	230/15 CW 050/15	ROKGO (IAF) (FB)	1700
3.	050/30 CW 230/30	230/15 CW 050/15	3100
4.	050/15 CW 230/15	ROKGO (IAF) (FO)	1700

CITY AND STATE

MOBILE, AL

ELEVATION: 26

TDZE: 25

AIRPORT NAME:

MOBILE DOWNTOWN

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 32, AMDT 2

13 NOVEMBER 2014

SUP:

AMDT: 1

DATED: 08/27/2009

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

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

FAS DATA BLOCK INFORMATIONDATA FIELDDATA

OPERATION TYPE 0
SBAS SERVICE PROVIDER IDENTIFIER 0
AIRPORT IDENTIFIER KBFM
RUNWAY RW32
APPROACH PERFORMANCE DESIGNATOR 0
ROUTE INDICATOR 0
REFERENCE PATH DATA SELECTOR 0
REFERENCE PATH IDENTIFIER (APPROACH ID) W32A
LTP/FTP LATITUDE 303647.5130N
LTP/FTP LONGITUDE 0880335.2080W
LTP/FTP ELLIPSOIDAL HEIGHT -00228
FPAP LATITUDE 303759.0830N
FPAP LONGITUDE 0880447.7830W
THRESHOLD CROSSING HEIGHT (TCH) 00055.0
TCH UNITS SELECTOR (METERS OR FEET USED) F
GLIDEPATH ANGLE (GPA) 03.00
COURSE WIDTH AT THRESHOLD 106.75
LENGTH OFFSET 0000
HORIZONTAL ALERT LIMIT (HAL) 40.0
VERTICAL ALERT LIMIT (VAL) 35.0

CRC REMAINDER

73B28AC3

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K7
LTP ORTHOMETRIC HEIGHT +00056
FPAP ORTHOMETRIC HEIGHT +00056

QUALITY
CHECKED

CITY AND STATE

MOBILE, AL

ELEVATION: 26

TDZE: 25

AIRPORT NAME:

MOBILE DOWNTOWN

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 32, AMDT 2

13 NOVEMBER 2014

SUP:

AMDT:

1

DATED:

08/27/2009

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

[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KB	FM	K7	FR	32	AROKGO	010	ROK	GOK	7EA	0EE	AR	HF
								31980040		+	01700	18000	A JS
SUSAP	KB	FM	K7	FR	32	R	010	ROK	GOK	7EA	0E	I	IF
										+	01700	18000	A JS
SUSAP	KB	FM	K7	FR	32	R	020	LUR	DEK	7EA	1E	F	051TF
								31980070		+	01700		A JS
SUSAP	KB	FM	K7	FR	32	R	020	LUR	DEK	7EA	2W	ALPV	ALNAV/VNAV ALNAV
													JS
SUSAP	KB	FM	K7	FR	32	R	030	RW	32	K7P	G0GY	M	031TF
								31980051			00074	-300	A JS
SUSAP	KB	FM	K7	FR	32	R	040			0	M	CA	
								3198		+	00800		A JS
SUSAP	KB	FM	K7	FR	32	R	050	WOR	IRK	7EA	0EY	R	DF
										+	02000		A JS
SUSAP	KB	FM	K7	FR	32	R	060	WOR	IRK	7EA	0EE	R	HM
								17600040		+	02000		A JS

[illegible][illegible]

CITY AND STATE MOBILE, AL	ELEVATION: 26 AIRPORT NAME: MOBILE DOWNTOWN	TDZE: 25 RNAV	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 32, AMDT 2 13 NOVEMBER 2014	SUP:
					AMDT: 1
					DATED: 08/27/2009

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

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

ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	ROKGO	ROKGO	010	IAF	HF	R	FO		319.8 (318.8T)	004.0	AA 01700	
		ROKGO	010	FACF	IF		FB				AA 01700	
		LURDE	020	FAF	TF		FB	0.5	319.8 (318.8T)	007.0	AA 01700	
		RW32	030	MAP	TF		FO	0.3	319.8 (318.8T)	005.1	AT 00074	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		319.8 (318.8T)		AA 00800	
	WORIR	050		DF	R	FO				AA 02000	
	WORIR	060		HM	R	FO		176.0 (175.0T)	004.0	AA 02000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	LURDE	N303256.48	W0875941.25	N3032.941	W08759.688
	ROKGO	N302739.65	W0875421.10	N3027.661	W08754.352
	WORIR	N305110.09	W0880412.28	N3051.168	W08804.205
	RW32	N303647.51	W0880335.21	N3036.792	W08803.587

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW32	00019	55

CITY AND STATE
MOBILE, AL

ELEVATION: 26 TDZE: 25
AIRPORT NAME:
MOBILE DOWNTOWN

FACILITY IDENTIFIER:
RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
RNAV (GPS) RWY 32, AMDT 2
13 NOVEMBER 2014

SUP:
AMDT: 1
DATED: 08/27/2009

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION				RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.									
TERMINAL ROUTES												MISSED APPROACH					
FROM		TO		COURSE AND DISTANCE				ALTITUDE		LPV: DA LNAV/VNAV: DA LNAV: RW36 CLIMB TO 2100 DIRECT WORIR AND HOLD. ADDITIONAL FLIGHT DATA: HOLD N, RT, 176.00 INBOUND. CHART FAS OBST: 183 TOWER 303619N/0880437W DISTANCE TO THLD FROM 250 HATH: 0.63 NM. CHART VDP AT 1.14 MILES TO RW36* *LNAV ONLY. WAAS CHANNEL # 56511 REFERENCE PATH ID: W36A CHART CIRCLING ICON LTP HAE: -20.9 M							
POCIP (IF/IAF)		KUBEC (FB)		000.97 / 7.00				1800									
KUBEC (FAF)		OJMEM/3.00 NM TO RW36		000.97 / 2.42													
OJMEM/3.00 NM TO RW36		RW36 (MAP) (FO)		000.97 / 3.00													
RW36 (MAP)		308 MSL		000.97				2100									
308 MSL		WORIR (FO)															
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD S POCIP, RT, 000.97 INBOUND, 2000 FT. IN LIEU OF PT (IAF) 3. FAC: 000.97 FAF: KUBEC _____ DIST FAF TO MAP: 5.42 THLD: 5.42 4. MIN. ALT: POCIP 2000, KUBEC 1800, OJMEM/3.00 NM TO RW36 1020* 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 1800 GS ALT AT: KUBEC 1800 _____ OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 50.0 34:1 IS NOT CLEAR 8. MSA FROM: _____												MAG VAR: 1W		EPOCH YEAR: 2005			
MINIMUMS																	
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT								ALTERNATE: N A		STANDARD @							
CATEGORY =====>		A			B			C			D			E			
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA		
LPV DA	308	7/8	282	308	7/8	282	308	7/8	282	308	7/8	282					
LNAV/VNAV DA	470	1 1/2	444	470	1 1/2	444	470	1 1/2	444	470	1 1/2	444					
LNAV MDA	440	1	414	440	1	414	440	1 1/8	414	440	1 1/8	414					
CIRCLING	680	1	654	680	1	654	680	1 3/4	654	1100	3	1074					
NOTES: CHART NOTE: DME/DME RNP-0.3 NA. CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE MOBILE RGNL ALTIMETER SETTING AND INCREASE ALL DA 50 FT AND MDA 60 FT AND INCREASE LPV VISIBILITY ALL CATS 1/4 MILE, INCREASE (SEE FORM 8260-10) @ CAT D 1100-3 @ NA WHEN LOCAL WEATHER NOT AVAILABLE.																	
CITY AND STATE				ELEVATION: 26 TDZE: 26				FACILITY IDENTIFIER:				PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:	
MOBILE, AL				AIRPORT NAME:				RNAV				RNAV (GPS) RWY 36, AMDT 2				AMDT: 1	
				MOBILE DOWNTOWN								13 NOVEMBER 2014				DATED 05/07/2009	

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

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

NOTES, (CONT.):

LNAV/VNAV VISIBILITY ALL CATS 1/8 MILE, INCREASE LNAV CAT C/D VISIBILITY 1/4 MILE, AND INCREASE CIRCLING CAT C VISIBILITY 1/4 MILE.

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW 13C (56F) OR ABOVE 54C (130F)

CHART NOTE: BARO VNAV AND VDP NA WHEN USING MOBILE RGNL ALTIMETER SETTING

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

TAA

	FROM	TO	ALT
1.	271/30 CW 091/30 (NOPT)	POCIP (IF/IAF) (FB)	2000
2.	091/30 CW 271/30	091/15 CW 271/15	3100
3.	091/15 CW 271/15	POCIP (IF/IAF) (FO)	2000

CITY AND STATE

MOBILE, AL

ELEVATION: 26

TDZE: 26

AIRPORT NAME:

MOBILE DOWNTOWN

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 36, AMDT 2

13 NOVEMBER 2014

SUP:

AMDT: 1

DATED: 05/07/2009

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

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

FAS DATA BLOCK INFORMATIONDATA FIELDDATA

OPERATION TYPE 0
SBAS SERVICE PROVIDER IDENTIFIER 0
AIRPORT IDENTIFIER KBFM
RUNWAY RW36
APPROACH PERFORMANCE DESIGNATOR 0
ROUTE INDICATOR 0
REFERENCE PATH DATA SELECTOR 0
REFERENCE PATH IDENTIFIER (APPROACH ID) W36A
LTP/FTP LATITUDE 303713.9735N
LTP/FTP LONGITUDE 0880357.2505W
LTP/FTP ELLIPSOIDAL HEIGHT -00209
FPAP LATITUDE 303843.2795N
FPAP LONGITUDE 0880357.3060W
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 0376
HORIZONTAL ALERT LIMIT (HAL) 40.0
VERTICAL ALERT LIMIT (VAL) 50.0

CRC REMAINDER

A5B29F0B

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K7
LTP ORTHOMETRIC HEIGHT +00076
FPAP ORTHOMETRIC HEIGHT +00076

CITY AND STATE

MOBILE, AL

ELEVATION: 26

TDZE: 26

AIRPORT NAME:

MOBILE DOWNTOWN

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 36, AMDT 2

13 NOVEMBER 2014

SUP:

AMDT:

1

DATED:

05/07/2009

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

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

ARINC PACKET - 424-18 - RNAV (GPS)

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

QUALITY
4
CHECKED

CITY AND STATE
MOBILE, AL

ELEVATION: 26	TDZE: 26
AIRPORT NAME:	MOBILE DOWNTOWN

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
RNAV (GPS) RWY 36, AMDT 2
13 NOVEMBER 2014

SUP:	
AMDT:	1
DATED:	05/07/2009

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

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are 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
	POCIP	POCIP	010	IAF	HF	R	FO		001.0(360.0T)	004.0	AA 02000	
		POCIP	010	FACF	IF		FB				AA 02000	
		KUBEC	020	FAF	TF		FB	0.5	001.0(360.0T)	007.0	AA 01800	
		OJMEM	021	SDF	TF		FB	0.3	001.0(360.0T)	002.4	AA 01020 GS 01030	
		RW36	030	MAP	TF		FO	0.3	001.0(360.0T)	003.0	AT 00075	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		001.0(360.0T)		AA 00308	
	WORIR	050		DF		FO				AA 02100	
	WORIR	060		HM	R	FO		176.0(175.0T)	004.0	AA 02100	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	KUBEC	N303148.18	W0880357.05	N3031.803	W08803.951
	OJMEM	N303413.55	W0880357.14	N3034.226	W08803.952
	POCIP	N302447.19	W0880356.79	N3024.787	W08803.947
	WORIR	N305110.09	W0880412.28	N3051.168	W08804.205
	RW36	N303713.97	W0880357.25	N3037.233	W08803.954

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW36	00025	50



CITY AND STATE MOBILE, AL	ELEVATION: 26	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 36, AMDT 2 13 NOVEMBER 2014	SUP:
	AIRPORT NAME: MOBILE DOWNTOWN			AMDT: 1
				DATED: 05/07/2009

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		LP: XEZUC LNAV: XEZUC CLIMB TO 8800, THEN CLIMBING RIGHT TURN TO 11000 DIRECT BRGET AND HOLD. ADDITIONAL FLIGHT DATA: HOLD N, RT, 162.00 INBOUND. CHART FAS OBST: 7391 TREE 341527N/1164747W FAS OBST: 7432 AAO 341627N/1164653W WAAS CHANNEL # 99434 REFERENCE PATH ID: W26A HALVI TO RW26: 3.30/46 CHART CIRCLING ICON LTP HAE: 2028 M								
BRGET (IAF)		BNNJA (FB)		176.84 / 7.28		9400										
OKACO (IAF)		BNNJA (FB)		255.88 / 3.71		9400										
BNNJA (IF)		HALVI (FB)		255.84 / 4.00		8700										
HALVI (FAF)		XEZUC (MAP) (FO)		255.79 / 4.61												
XEZUC (MAP)		8800 MSL		255.74		8800										
8800 MSL		BRGET (FO)				11000										
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. PROFILE STARTS AT BNNJA 3. FAC: 255.79 FAF: HALVI DIST FAF TO MAP: 4.61 THLD: 5.43 4. MIN. ALT: BNNJA 9400, HALVI 8700 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: _____ GS ALT AT: _____ OM: _____ MM: _____ IM: _____ 7. GS ANGLE: _____ TCH: 34:1 IS NOT CLEAR 8. MSA FROM: XEZUC 12700								MAG VAR: 14E 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	
LP MDA	8140	1 1/4	1388	8140	1 1/2	1388		NA			NA					
LNAV MDA	8260	1 1/4	1508	8260	1 1/2	1508		NA			NA					
CIRCLING	8260	1 1/4	1508	8260	1 1/2	1508		NA			NA					
NOTES: CHART NOTE: CIRCLING NA NORTH OF RWY 8-26. @ CAT A, B 1600-2 CHART NOTE: DME/DME RNP-0.3 NA. CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT. CHART NOTE: NIGHT LANDING RWY 26 NA. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1SM NOT AUTHORIZED.																
CITY AND STATE		ELEVATION: 6752 TDZE: 6752		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:						
BIG BEAR CITY, CA		AIRPORT NAME: BIG BEAR CITY				RNAV (GPS) RWY 26, AMDT 2 13 NOVEMBER 2014				AMDT: 1						
										DATED 09/19/2013						

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	L35
RUNWAY	RW26
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W26A
LTP/FTP LATITUDE	341549.7540N
LTP/FTP LONGITUDE	1165054.0265W
LTP/FTP ELLIPSOIDAL HEIGHT	+20280
FPAP LATITUDE	341549.3140N
FPAP LONGITUDE	1165241.5275W
THRESHOLD CROSSING HEIGHT (TCH)	00045.9
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.30
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1152
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	0.0

CRC REMAINDER

9DBD0B4B

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K2
LTP ORTHOMETRIC HEIGHT	+20579
FPAP ORTHOMETRIC HEIGHT	+20579

CITY AND STATE

BIG BEAR CITY, CA

ELEVATION: 6752

TDZE: 6752

AIRPORT NAME:

BIG BEAR CITY

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 26, AMDT 2

13 NOVEMBER 2014

SUP:

AMDT: 1

DATED: 09/19/2013

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 L35 K2FR26	ABRGET	010BRGETK2EA0E	A	IF						18000		A JS	
SUSAP L35 K2FR26	ABRGET	020BNNJAK2EA0EE	B	010TF			17680073	+	09400			A JS	
SUSAP L35 K2FR26	AOKACO	010OKACOK2EA0E	A	IF						18000		A JS	
SUSAP L35 K2FR26	AOKACO	020BNNJAK2EA0EE	B	010TF			25590037	+	09400			A JS	
SUSAP L35 K2FR26	R	010BNNJAK2EA0E	I	IF				+	09400	18000		A JS	
SUSAP L35 K2FR26	R	020HALVIK2EA1E	F	051TF			25580040	+	08700		XEZUC K2EAA	JS	
SUSAP L35 K2FR26	R	020HALVIK2EA2WALP			N	ALNAV						JS	
SUSAP L35 K2FR26	R	030XEZUCK2EA0EY	M	031TF			25580046		07086	-330		A JS	
SUSAP L35 K2FR26	R	040		0 M	CA		2558	+	08800			A JS	
SUSAP L35 K2FR26	R	050BRGETK2EA0EY	R	DF				+	11000			A JS	
SUSAP L35 K2FR26	R	060BRGETK2EA0EE	R	HM			16200070	+	11000			A JS	

[illegible][illegible][illegible]

CITY AND STATE
BIG BEAR CITY, CA

ELEVATION: 6752	TDZE: 6752
AIRPORT NAME: BIG BEAR CITY	

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
RNAV (GPS) RWY 26, AMDT 2
13 NOVEMBER 2014

SUP:	
AMDT:	1
DATED:	09/19/2013

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
	BRGET	BRGET	010	IAF	IF		FB					
	BRGET	BNNJA	020		TF		FB	1.0	176.8 (190.8T)	007.3	AA 09400	
	OKACO	OKACO	010	IAF	IF		FB					
	OKACO	BNNJA	020		TF		FB	1.0	255.9 (269.9T)	003.7	AA 09400	
		BNNJA	010	FACF	IF		FB				AA 09400	
		HALVI	020	FAF	TF		FB	0.5	255.8 (269.8T)	004.0	AA 08700	
		XEZUC	030	MAP	TF		FO	0.3	255.8 (269.8T)	004.6	AT 07086	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		255.8 (269.8T)		AA 08800	
	BRGET	050		DF	R	FO				AA 11000	
	BRGET	060		HM	R	FO		162.0 (176.0T)	007.0	AA 11000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	BNNJA	N341551.90	W1163931.49	N3415.865	W11639.525
	BRGET	N342301.86	W1163752.36	N3423.031	W11637.873
	HALVI	N341551.12	W1164421.06	N3415.852	W11644.351
	OKACO	N341552.45	W1163503.20	N3415.874	W11635.053
	XEZUC	N341549.98	W1164954.46	N3415.833	W11649.908
	RW26	N341549.75	W1165054.03	N3415.829	W11650.901

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW26	06752	46

CITY AND STATE BIG BEAR CITY, CA	ELEVATION: 6752	TDZE: 6752	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME: BIG BEAR CITY			RNAV (GPS) RWY 26, AMDT 2	AMDT: 1
				13 NOVEMBER 2014	DATED: 09/19/2013

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

TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
ASTOR	KABEC (FO)	194.72 / 26.78	2300	LPV: DA LNAV/VNAV: DA LNAV: RW06
OMN VORTAC	KABEC (FO)	288.88 / 14.33	2300	
ROYES	KABEC (FO)	172.06 / 11.36	2300	CLIMB TO 2300 DIRECT GACDE AND HOLD.
BARBS (IAF)	KABEC (NOPT) (FB)	033.94 / 3.31	2300	
KABEC (IF/IAF)	JABKU (FB)	060.43 / 6.02	1600	ADDITIONAL FLIGHT DATA: HOLD NE, RT, 240.59 INBOUND. CHART FAS OBST: 134 TREE 292752N/0811239W DISTANCE TO THLD FROM 250 HAT: 0.65 NM. CHART VDP AT 1.46 MILES TO RW06* *LNAV ONLY. WAAS CHANNEL # 49209 REFERENCE PATH ID: W06A CHART CIRCLING ICON. LTP HAE: -19.8 M
JABKU (FAF)	RW06 (MAP) (FO)	060.47 / 4.73		
RW06 (MAP)	282 MSL	060.47		
282 MSL	GACDE (FO)		2300	

1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
2. HOLD SW KABEC, RT, 060.43 INBOUND, 2300 FT. IN LIEU OF PT (IAF)
3. FAC: 060.47 FAF: JABKU DIST FAF TO MAP: 4.73 THLD: 4.73
4. MIN. ALT: KABEC 2300, JABKU 1600
5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
6. MIN GS INCPT: 1600 GS ALT AT: JABKU 1600 OM: MM: IM:
7. GS ANGLE: 3.00 TCH: 45.0 34:1 IS CLEAR
8. MSA FROM: RW06 2300

MAG VAR: 6W

EPOCH YEAR: 2005

MINIMUMS															
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT							ALTERNATE: N A			STANDARD @					
CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	282	1	250	282	1	250	282	1	250	282	1	250			
LNAV/VNAV DA	361	1 1/4	329	361	1 1/4	329	361	1 1/4	329	361	1 1/4	329			
LNAV MDA	540	1	508	540	1	508	540	1 1/2	508	540	1 1/2	508			
CIRCLING	540	1	507	600	1	567	760	2	727	800	2 1/2	767			

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: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE DAYTONA BEACH ALTIMETER SETTING AND INCREASE ALL DA 44 FEET AND ALL MDA 60 FEET; INCREASE LNAV CATS C/D (SEE FORM 8260-10)

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

CITY AND STATE PALM COAST, FL	ELEVATION: 33 TDZE: 32 AIRPORT NAME: FLAGLER COUNTY	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 6, AMDT 1B 13 NOVEMBER 2014	SUP AMDT DATED 12/12/2013

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

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NOTES, (CONT.):

VISIBILITIES 1/8 MILE, AND CIRCLING CATS C/D VISIBILITY 1/4 MILE.

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

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON OMN VORTAC AIRWAY

RADIALS 211 CW 360.

CITY AND STATE

PALM COAST, FL

ELEVATION: 33

TDZE: 32

AIRPORT NAME:

FLAGLER COUNTY

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:

RNAV (GPS) RWY 6, AMDT 1B
13 NOVEMBER 2014

SUP:

AMDT:

DATED: 12/12/2013

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 KFIN
RUNWAY RW06
APPROACH PERFORMANCE DESIGNATOR 0
ROUTE INDICATOR
REFERENCE PATH DATA SELECTOR 0
REFERENCE PATH IDENTIFIER (APPROACH ID) W06A
LTP/FTP LATITUDE 292738.6625N
LTP/FTP LONGITUDE 0811243.9555W
LTP/FTP ELLIPSOIDAL HEIGHT -00198
FPAP LATITUDE 292830.5120N
FPAP LONGITUDE 0811120.8400W
THRESHOLD CROSSING HEIGHT (TCH) 00045.0
TCH UNITS SELECTOR (METERS OR FEET USED) F
GLIDEPATH ANGLE (GPA) 03.00
COURSE WIDTH AT THRESHOLD 106.75
LENGTH OFFSET 1224
HORIZONTAL ALERT LIMIT (HAL) 40.0
VERTICAL ALERT LIMIT (VAL) 50.0

CRC REMAINDER

85F82E23

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K7
LTP ORTHOMETRIC HEIGHT +00088
FPAP ORTHOMETRIC HEIGHT +00088

CITY AND STATE

PALM COAST, FL

ELEVATION: 33

TDZE: 32

AIRPORT NAME:

FLAGLER COUNTY

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 6, AMDT 1B

13 NOVEMBER 2014

SUP:

AMDT:

DATED:

12/12/2013

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[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KFINK7FR06	A	A	ASTOR	010	ASTORK7EA0E	IF			18000		A	JS
SUSAP	KFINK7FR06	A	A	ASTOR	020	KABECK7EA0EY	A 020TF	19470268	+	02300		A	JS
SUSAP	KFINK7FR06	A	A	ASTOR	030	KABECK7EA0EE	AR HF	06040040	+	02300		A	JS
SUSAP	KFINK7FR06	A	A	BARBS	010	BARBSK7EA0E	A IF			18000		A	JS
SUSAP	KFINK7FR06	A	A	BARBS	020	KABECK7EA0EE	B 010TF	03390033	+	02300		A	JS
SUSAP	KFINK7FR06	A	A	OMN	010	OMN K7D 0V	IF			18000		A	JS
SUSAP	KFINK7FR06	A	A	OMN	020	KABECK7EA0EY	A 020TF	28890143	+	02300		A	JS
SUSAP	KFINK7FR06	A	A	OMN	030	KABECK7EA0EE	AR HF	06040040	+	02300		A	JS
SUSAP	KFINK7FR06	A	A	ROYES	010	ROYESK7EA0E	IF			18000		A	JS
SUSAP	KFINK7FR06	A	A	ROYES	020	KABECK7EA0EY	020TF	17210114	+	02300		A	JS
SUSAP	KFINK7FR06	A	A	ROYES	030	KABECK7EA0EE	AR HF	06040040	+	02300		A	JS
SUSAP	KFINK7FR06	R			010	KABECK7EA0E	I IF			18000		A	JS
SUSAP	KFINK7FR06	R			020	JABKUK7EA1E	F 051TF	06040060	+	01600	RW06	K7PGA	JS
SUSAP	KFINK7FR06	R			020	JABKUK7EA2WALPV	ALNAV/VNAV ALNAV						JS
SUSAP	KFINK7FR06	R			030	RW06 K7PG0GY	M 031TF	06050047		00074	-300		A JS
SUSAP	KFINK7FR06	R			040		0 M CA	0605	+	00282			A JS
SUSAP	KFINK7FR06	R			050	GACDEK7EA0EY	DF		+	02300			A JS
SUSAP	KFINK7FR06	R			060	GACDEK7EA0EE	R HM	24060040	+	02300			A JS

[illegible]

CITY AND STATE PALM COAST, FL	ELEVATION: 33	TDZE: 32	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME:			RNAV (GPS) RWY 6, AMDT 1B	AMDT: 1A
	FLAGLER COUNTY		RNAV	13 NOVEMBER 2014	DATED: 12/12/2013

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

[illegible]

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

SUSAP KFINK7SRW06 K7PG 0 18018002325 M

QUALITY
SERVICE

CITY AND STATE PALM COAST, FL	ELEVATION: 33 TDZE: 32 AIRPORT NAME: FLAGLER COUNTY	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 6, AMDT 1B 13 NOVEMBER 2014	SUP:
				AMDT: 1A
				DATED: 12/12/2013

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
	ASTOR	ASTOR	010		IF		FB					
	ASTOR	KABEC	020	IAF	TF		FO	2.0	194.7(188.7T)	026.8	AA 02300	
	ASTOR	KABEC	030	IAF	HF	R	FO		060.4(054.4T)	004.0	AA 02300	
	BARBS	BARBS	010	IAF	IF		FB					
	BARBS	KABEC	020		TF		FB	1.0	033.9(027.9T)	003.3	AA 02300	
	OMN	OMN	010		IF		FB					
	OMN	KABEC	020	IAF	TF		FO	2.0	288.9(282.9T)	014.3	AA 02300	
	OMN	KABEC	030	IAF	HF	R	FO		060.4(054.4T)	004.0	AA 02300	
	ROYES	ROYES	010		IF		FB					
	ROYES	KABEC	020		TF		FO	2.0	172.1(166.1T)	011.4	AA 02300	
	ROYES	KABEC	030	IAF	HF	R	FO		060.4(054.4T)	004.0	AA 02300	
		KABEC	010	FACF	IF		FB				AA 02300	
		JABKU	020	FAF	TF		FB	0.5	060.4(054.4T)	006.0	AA 01600	
		RW06	030	MAP	TF		FO	0.3	060.5(054.5T)	004.7	AT 00074	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		060.5(054.5T)		AA 00282	
	GACDE	050		DF		FO				AA 02300	
	GACDE	060		HM	R	FO		240.6(234.6T)	004.0	AA 02300	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	OMN	N291811.71	W0810645.71	N2918.195	W08106.762
	ASTOR	N294755.30	W0811806.11	N2947.922	W08118.102
	BARBS	N291826.84	W0812431.52	N2918.447	W08124.525
	GACDE	N293422.41	W0810155.64	N2934.374	W08101.927
	JABKU	N292453.41	W0811708.55	N2924.890	W08117.143
	KABEC	N292122.88	W0812244.94	N2921.381	W08122.749
	ROYES	N293226.01	W0812552.86	N2932.434	W08125.881
	RW06	N292738.66	W0811243.96	N2927.644	W08112.733

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW06	00029	45

CITY AND STATE
PALM COAST, FL

ELEVATION: 33 TDZE: 32
AIRPORT NAME:
FLAGLER COUNTY

FACILITY IDENTIFIER:
RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
RNAV (GPS) RWY 6, AMDT 1B
13 NOVEMBER 2014

SUP:
AMDT: 1A
DATED: 12/12/2013

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION		RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33		Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.											
TERMINAL ROUTES				MISSED APPROACH											
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LPV: DA LNAV/VNAV: DA LNAV: RW11											
OMN VORTAC	MEGPE (FO)	314.98 / 20.92	2300	CLIMB TO 2300 DIRECT IBAYI AND HOLD.											
ASTOR	MEGPE (FO)	207.11 / 17.70	2300												
BARBS	MEGPE (FO)	002.58 / 12.91	2300	ADDITIONAL FLIGHT DATA: HOLD E, RT, 291.72 INBOUND. CHART FAS OBST: 344 TOWER 292942N/0811622W DISTANCE TO THLD FROM 320 HAT: 0.89 NM. WAAS CHANNEL # 66009 REFERENCE PATH ID: W11A CHART CIRCLING ICON. LTP HAE: -19.6 M											
MEGPE (IF/IAF)	LABIY (FB)	111.51 / 6.01	1800												
LABIY (FAF)	RW11 (MAP) (FO)	111.56 / 5.35													
RW11 (MAP)	353 MSL	111.56													
353 MSL	IBAYI (FO)		2300												
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. HOLD W MEGPE, LT, 111.51 INBOUND, 2300 FT. IN LIEU OF PT (IAF) 3. FAC: <u>111.56</u> FAF: <u>LABIY</u> DIST FAF TO MAP: <u>5.35</u> THLD: <u>5.35</u> 4. MIN. ALT: <u>MEGPE 2300, LABIY 1800</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>1800</u> GS ALT AT: <u>LABIY 1800</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>RW11 2300</u>				MAG VAR: 6W EPOCH YEAR: 2005											
MINIMUMS															
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT			ALTERNATE: N A		STANDARD @										
CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	353	1 1/4	320	353	1 1/4	320	353	1 1/4	320	353	1 1/4	320			
LNAV/VNAV DA	460	1 1/2	427	460	1 1/2	427	460	1 1/2	427	460	1 1/2	427			
LNAV MDA	640	1	607	640	1	607	640	1 3/4	607	640	2	607			
CIRCLING	640	1	607	640	1	607	760	2	727	800	2 1/2	767			
NOTES: CHART NOTE: BARO-VNAV NA WHEN USING DAYTONA BEACH ALTIMETER SETTING. 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 PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT OMN VORTAC ON AIRWAY RADIALS 342 CW 360. (SEE FORM 8260-10)															
CITY AND STATE		ELEVATION: 33 TDZE: 33		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:					
PALM COAST, FL		AIRPORT NAME:		RNAV		RNAV (GPS) RWY 11, AMDT 1A 13 NOVEMBER 2014				AMDT:					
		FLAGLER COUNTY								DATED 09/25/2008					

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

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

NOTES, (CONT.):

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE DAYTONA BEACH ALTIMETER SETTING AND INCREASE ALL DA 44 FEET ALL MDA 60 FEET; INCREASE LNAV/VNAV ALL CATS AND LNAV CAT C VISIBILITIES 1/8 MILE, INCREASE CIRCLING CATS C/D VISIBILITY 1/4 MILE.

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

CHART NOTE: NIGHT LANDING, RWY 11 NA.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT BARBS ON V267 SOUTHBOUND.

CITY AND STATE

PALM COAST, FL

ELEVATION: 33

TDZE: 33

AIRPORT NAME:

FLAGLER COUNTY

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:

RNAV (GPS) RWY 11, AMDT 1A

13 NOVEMBER 2014

SUP:

AMDT:

DATED: 09/25/2008

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

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

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

OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KFIN
RUNWAY	RW11
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W11A
LTP/FTP LATITUDE	292818.7800N
LTP/FTP LONGITUDE	0811251.9800W
LTP/FTP ELLIPSOIDAL HEIGHT	-00196
FPAP LATITUDE	292754.7285N
FPAP LONGITUDE	0811113.6775W
THRESHOLD CROSSING HEIGHT (TCH)	00040.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1224
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER

4E309743

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+00091
FPAP ORTHOMETRIC HEIGHT	+00091

CITY AND STATE

PALM COAST, FL

ELEVATION: 33

TDZE: 33

AIRPORT NAME:

FLAGLER COUNTY

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:

RNAV (GPS) RWY 11, AMDT 1A

13 NOVEMBER 2014

SUP:

AMDT:

DATED: 09/25/2008

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 PACKET - 424-18 - RNAV (GPS)

NAVAID	1	2	3	4	5	6	7	8	9	0	1	2	3
	1234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAD	OMN	K7011260VTHW	N29181171W081064571	N29181171W081064571E0000000192	NARORMOND BEACH								

WP	1	2	3	4	5	6	7	8	9	0	1	2	3
	1234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAEENRT	ASTOR	K70	C	L	N29475530W081180611	W0064	NAR	ASTOR					
SUSAEENRT	BARBS	K70	C	B	N29182684W081243152	W0062	NAR	BARBS					
SUSAEENRT	IBAYI	K70	W	N29251083W081000622	W0065	NAR	IBAYI						
SUSAEENRT	LABIY	K70	W	N29294530W081184648	W0063	NAR	LABIY						
SUSAEENRT	MEGPE	K70	W	N29312206W081252443	W0062	NAR	MEGPE						

AIRPORT	1	2	3	4	5	6	7	8	9	0	1	2	3
	1234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP	KFINK7AFIN	0	050YHN29280260W081122280W006000033	1800018000C	MNAR	FLAGLER COUNTY							

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
	1234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP	KFINK7FR11	AASTOR	010ASTORK7EA0E	IF						18000		A	JS
SUSAP	KFINK7FR11	AASTOR	020MEGPEK7EA0EY	020TF		20710177	+	02300				A	JS
SUSAP	KFINK7FR11	AASTOR	030MEGPEK7EA0EE	AL HF		11150040	+	02300				A	JS
SUSAP	KFINK7FR11	ABARBS	010BARBSK7EA0E	IF						18000		A	JS
SUSAP	KFINK7FR11	ABARBS	020MEGPEK7EA0EY	020TF		00260129	+	02300				A	JS
SUSAP	KFINK7FR11	ABARBS	030MEGPEK7EA0EE	AL HF		11150040	+	02300				A	JS
SUSAP	KFINK7FR11	AOMN	010OMN K7D 0V	IF						18000		A	JS
SUSAP	KFINK7FR11	AOMN	020MEGPEK7EA0EY	020TF		31500209	+	02300				A	JS
SUSAP	KFINK7FR11	AOMN	030MEGPEK7EA0EE	AL HF		11150040	+	02300				A	JS
SUSAP	KFINK7FR11	R	010MEGPEK7EA0E	I IF			+	02300		18000		A	JS
SUSAP	KFINK7FR11	R	020LABIYK7EA1E	F 051TF		11150060	+	01800			RW11	K7PGA	JS
SUSAP	KFINK7FR11	R	020LABIYK7EA2WALPV	ALNAV/VNAV ALNAV								JS	
SUSAP	KFINK7FR11	R	030RW11 K7PG0GY M	031TF		11160054		00070		-300		A	JS
SUSAP	KFINK7FR11	R	040	0 M CA		1116	+	00353				A	JS
SUSAP	KFINK7FR11	R	050IBAYIK7EA0EY	DF			+	02300				A	JS
SUSAP	KFINK7FR11	R	060IBAYIK7EA0EE	R HM		29170040	+	02300				A	JS

RUNWAY	1	2	3	4	5	6	7	8	9	0	1	2	3
	1234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP	KFINK7GRW11	0049991116	N29281878W081125198+0000	-0019600030000040100R									

CITY AND STATE
PALM COAST, FL

ELEVATION: 33 TDZE: 33
AIRPORT NAME:
FLAGLER COUNTY

FACILITY IDENTIFIER:
RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
RNAV (GPS) RWY 11, AMDT 1A
13 NOVEMBER 2014

SUP:
AMDT: 1
DATED: 09/25/2008

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

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

[illegible][illegible]

QUALITY
A
CIRCLE

CITY AND STATE
PALM COAST, FL

ELEVATION: 33	TDZE: 33
AIRPORT NAME:	
FLAGLER COUNTY	

FACILITY
IDENTIFIER:
| RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
RNAV (GPS) RWY 11, AMDT 1A
 13 NOVEMBER 2014

SUP:	
AMDT:	1
DATED:	09/25/2008

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
ASTOR	ASTOR	ASTOR	010		IF		FB					
ASTOR	MEGPE	MEGPE	020		TF		FO	2.0	207.1(201.1T)	017.7	AA 02300	
ASTOR	MEGPE	MEGPE	030	IAF	HF	L	FO		111.5(105.5T)	004.0	AA 02300	
BARBS	BARBS	BARBS	010		IF		FB					
BARBS	MEGPE	MEGPE	020		TF		FO	2.0	002.6(356.6T)	012.9	AA 02300	
BARBS	MEGPE	MEGPE	030	IAF	HF	L	FO		111.5(105.5T)	004.0	AA 02300	
OMN	OMN	OMN	010		IF		FB					
OMN	MEGPE	MEGPE	020		TF		FO	2.0	315.0(309.0T)	020.9	AA 02300	
OMN	MEGPE	MEGPE	030	IAF	HF	L	FO		111.5(105.5T)	004.0	AA 02300	
	MEGPE	MEGPE	010	FACF	IF		FB				AA 02300	
	LABIY	LABIY	020	FAF	TF		FB	0.5	111.5(105.5T)	006.0	AA 01800	
	RW11	RW11	030	MAP	TF		FO	0.3	111.6(105.6T)	005.4	AT 00070	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		111.6(105.6T)		AA 00353	
	IBAYI	050		DF		FO				AA 02300	
	IBAYI	060		HM	R	FO		291.7(285.7T)	004.0	AA 02300	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	OMN	N291811.71	W0810645.71	N2918.195	W08106.762
	ASTOR	N294755.30	W0811806.11	N2947.922	W08118.102
	BARBS	N291826.84	W0812431.52	N2918.447	W08124.525
	IBAYI	N292510.83	W0810006.22	N2925.181	W08100.104
	LABIY	N292945.30	W0811846.48	N2929.755	W08118.775
	MEGPE	N293122.06	W0812524.43	N2931.368	W08125.407
	RW11	N292818.78	W0811251.98	N2928.313	W08112.866

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW11	00030	40

CITY AND STATE PALM COAST, FL	ELEVATION: 33	TDZE: 33	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME:	FLAGLER COUNTY	RNAV	RNAV (GPS) RWY 11, AMDT 1A	AMDT: 1
				13 NOVEMBER 2014	DATED: 09/25/2008

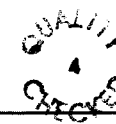
US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION							RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33								Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.					
TERMINAL ROUTES										MISSED APPROACH										
FROM			TO			COURSE AND DISTANCE			ALTITUDE		LNAV: RW24									
ASTOR			GACDE (FO)			139.74 / 19.52			2300		CLIMB TO 2300 DIRECT KABEC AND HOLD.									
BARBS			GACDE (FO)			057.07 / 25.33			2300											
OMN VORTAC			GACDE (FO)			020.64 / 16.68			2300		ADDITIONAL FLIGHT DATA: HOLD SW, RT, 060.43 INBOUND. FAS OBST: 229 AAO 292957N/0810812W CHART W158A AND R2907A. CHART VDP AT 1.38 MILES TO RW24. FABIV TO RW24: 3.04/40. CHART CIRCLING ICON.									
ROYES			GACDE (FO)			090.61 / 20.98			2300											
GACDE (IF/IAF)			FABIV (FB)			240.59 / 6.01			1600											
FABIV (FAF)			RW24 (MAP) (FO)			240.55 / 4.74														
RW24 (MAP)			433 MSL			240.55														
433 MSL			KABEC (FO)						2300											
1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)																				
2. HOLD NE GACDE, RT, 240.59 INBOUND, 2300 FT. IN LIEU OF PT (IAF)																				
3. FAC: 240.55 FAF: FABIV DIST FAF TO MAP: 4.74 THLD: 4.74																				
4. MIN. ALT: GACDE 2300, FABIV 1600																				
5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:																				
6. MIN GS INCPT: GS ALT AT: OM: MM: IM:																				
7. GS ANGLE: TCH: 34:1 IS NOT CLEAR																				
8. MSA FROM: RW24 2300																				
MAG VAR: 6W EPOCH YEAR: 2005																				
MINIMUMS																				
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT										ALTERNATE: N A		STANDARD @								
CATEGORY ==>	A			B			C			D			E							
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA					
LNAV MDA	500	1	468	500	1	468	500	1 3/8	468	500	1 1/2	468								
CIRCLING	500	1	467	600	1	567	760	2	727	800	2 1/2	767								
NOTES: CHART NOTE: DME/DME RNP-0.3 NA. CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT. CHART NOTE: VDP NA WITH DAYTONA BEACH ALTIMETER SETTING. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE DAYTONA BEACH ALTIMETER SETTING AND (SEE FORM 8260-10) @ NA WHEN LOCAL WEATHER NOT AVAILABLE. @ CAT D 800-2 1/2																				
CITY AND STATE PALM COAST, FL				ELEVATION: 33 TDZE: 32 AIRPORT NAME: FLAGLER COUNTY				FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 24, ORIG-C 13 NOVEMBER 2014				SUP: AMDT: ORIG-B DATED 09/18/2014						

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

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NOTES, (CONT.):

INCREASE ALL MDA 60 FEET; INCREASE LNAV CAT C VISIBILITY 1/8 MILE AND
CIRCLING CATS C/D VISIBILITY 1/4 MILE. CHART NOTE: HELICOPTER VISIBILITY
REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON OMN VORTAC AIRWAY
RADIALS 351 CW 360.



CITY AND STATE

PALM COAST, FL

ELEVATION: 33

TDZE: 32

AIRPORT NAME:

FLAGLER COUNTY

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:

RNAV (GPS) RWY 24, ORIG-C

13 NOVEMBER 2014

SUP:

AMDT: ORIG-B

DATED: 09/18/2014

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

[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KFINK7FR24	AASTOR	010ASTORK7EA0E	IF						18000		B JS	
SUSAP	KFINK7FR24	AASTOR	020GACDEK7EA0EY	020TF			13970195	+	02300			B JS	
SUSAP	KFINK7FR24	AASTOR	030GACDEK7EA0EE	AR HF			24060040	+	02300			B JS	
SUSAP	KFINK7FR24	ABARBS	010BARBSK7EA0E	IF						18000		B JS	
SUSAP	KFINK7FR24	ABARBS	020GACDEK7EA0EY	020TF			05710253	+	02300			B JS	
SUSAP	KFINK7FR24	ABARBS	030GACDEK7EA0EE	AR HF			24060040	+	02300			B JS	
SUSAP	KFINK7FR24	AOMN	010OMN K7D 0V	IF						18000		B JS	
SUSAP	KFINK7FR24	AOMN	020GACDEK7EA0EY	020TF			02060167	+	02300			B JS	
SUSAP	KFINK7FR24	AOMN	030GACDEK7EA0EE	AR HF			24060040	+	02300			B JS	
SUSAP	KFINK7FR24	AROYES	010ROYESK7EA0E	IF						18000		B JS	
SUSAP	KFINK7FR24	AROYES	020GACDEK7EA0EY	020TF			09060210	+	02300			B JS	
SUSAP	KFINK7FR24	AROYES	030GACDEK7EA0EE	AR HF			24060040	+	02300			B JS	
SUSAP	KFINK7FR24	R	010GACDEK7EA0E	I IF				+	02300	18000		B JS	
SUSAP	KFINK7FR24	R	020FABIVK7EA1E	F 051TF			24060060	+	01600		RW24 K7PGB	JS	
SUSAP	KFINK7FR24	R	020FABIVK7EA2WN		N	ALNAV						JS	
SUSAP	KFINK7FR24	R	030RW24 K7PGOGY	M 031TF			24060047		00071		-304	B JS	
SUSAP	KFINK7FR24	R	040	0 M CA			2406	+	00433			B JS	
SUSAP	KFINK7FR24	R	050KABECK7EA0EY	DF				+	02300			B JS	
SUSAP	KFINK7FR24	R	060KABECK7EA0EE	R HM			06040040	+	02300			B JS	

34

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.

RUNWAY 1234567890123456789012345678901234567890123456789012345678901234567890123456789012

SUSAP KFINK7GRW24 0050002405 N29280740W081115790+0000 -0019200031000040100R

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

SUSAP KFINK7SRW24 K7PG 0 18018002325 M



CITY AND STATE PALM COAST, FL	ELEVATION: 33 AIRPORT NAME: FLAGLER COUNTY	TDZE: 32 RNAV	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 24, ORIG-C 13 NOVEMBER 2014	SUP:
					AMDT: ORIG-B
					DATED: 09/18/2014

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

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ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	ASTOR	ASTOR	010		IF		FB					
	ASTOR	GACDE	020		TF		FO	2.0	139.7 (133.7T)	019.5	AA 02300	
	ASTOR	GACDE	030	IAF	HF	R	FO		240.6 (234.6T)	004.0	AA 02300	
	BARBS	BARBS	010		IF		FB					
	BARBS	GACDE	020		TF		FO	2.0	057.1 (051.1T)	025.3	AA 02300	
	BARBS	GACDE	030	IAF	HF	R	FO		240.6 (234.6T)	004.0	AA 02300	
	OMN	OMN	010		IF		FB					
	OMN	GACDE	020		TF		FO	2.0	020.6 (014.6T)	016.7	AA 02300	
	OMN	GACDE	030	IAF	HF	R	FO		240.6 (234.6T)	004.0	AA 02300	
	ROYES	ROYES	010		IF		FB					
	ROYES	GACDE	020		TF		FO	2.0	090.6 (084.6T)	021.0	AA 02300	
	ROYES	GACDE	030	IAF	HF	R	FO		240.6 (234.6T)	004.0	AA 02300	
		GACDE	010	FACF	IF		FB				AA 02300	
		FABIV	020	FAF	TF		FB	0.5	240.6 (234.6T)	006.0	AA 01600	
		RW24	030	MAP	TF		FO	0.3	240.6 (234.6T)	004.7	AT 00071	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		240.6 (234.6T)		AA 00433	
	KABEC	050		DF		FO				AA 02300	
	KABEC	060		HM	R	FO		060.4 (054.4T)	004.0	AA 02300	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	OMN	N291811.71	W0810645.71	N2918.195	W08106.762
	ASTOR	N294755.30	W0811806.11	N2947.922	W08118.102
	BARBS	N291826.84	W0812431.52	N2918.447	W08124.525
	FABIV	N293052.69	W0810732.76	N2930.878	W08107.546
	GACDE	N293422.41	W0810155.64	N2934.374	W08101.927
	KABEC	N292122.88	W0812244.94	N2921.381	W08122.749
	ROYES	N293226.01	W0812552.86	N2932.434	W08125.881
	RW24	N292807.40	W0811157.90	N2928.123	W08111.965

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW24	00031	40



CITY AND STATE PALM COAST, FL	ELEVATION: 33	TDZE: 32	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 24, ORIG-C 13 NOVEMBER 2014	SUP:
	AIRPORT NAME: FLAGLER COUNTY				AMDT: ORIG-B
					DATED: 09/18/2014

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

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ARINC PACKET - 424-18 - RNAV (GPS)

	1	2	3	4	5	6	7	8	9	0	1	2	3
NAVAID	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAD	OMN K7011260VTH N29181171W081064571 N29181171W081064571E0000000192 NARORMOND BEACH												

	1	2	3	4	5	6	7	8	9	0	1	2	3
WP	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAEENRT	ASTOR K70 C L N29475530W081180611 W0064 NAR ASTOR												
SUSAEENRT	BARBS K70 C B N29182684W081243152 W0062 NAR BARBS												
SUSAEENRT	HAGAV K70 W N29264864W081064400 W0064 NAR HAGAV												
SUSAEENRT	IBAYI K70 W N29251083W081000622 W0065 NAR IBAYI												
SUSAEENRT	MEGPE K70 W N29312206W081252443 W0062 NAR MEGPE												
SUSAEENRT	ROYES K70 R L N29322601W081255286 W0062 NAR ROYES												

	1	2	3	4	5	6	7	8	9	0	1	2	3
AIRPORT	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP	KFINK7AFIN 0 050YHN29280260W081122280W006000033 1800018000C MNAR FLAGLER COUNTY												

	1	2	3	4	5	6	7	8	9	0	1	2	3
SEGMENT	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP	KFINK7FR29 AASTOR 010ASTORK7EA0E IF 18000 B JS												
SUSAP	KFINK7FR29 AASTOR 020IBAYIK7EA0EY 020TF 15130276 + 02300 B JS												
SUSAP	KFINK7FR29 AASTOR 030IBAYIK7EA0EE AR HF 29170040 + 02300 B JS												
SUSAP	KFINK7FR29 ABARBS 010BARBSK7EA0E IF 18000 B JS												
SUSAP	KFINK7FR29 ABARBS 020IBAYIK7EA0EY 020TF 07840224 + 02300 B JS												
SUSAP	KFINK7FR29 ABARBS 030IBAYIK7EA0EE AR HF 29170040 + 02300 B JS												
SUSAP	KFINK7FR29 AOMN 010OMN K7D 0V IF 18000 B JS												
SUSAP	KFINK7FR29 AOMN 020IBAYIK7EA0EY 020TF 04580091 + 02300 B JS												
SUSAP	KFINK7FR29 AOMN 030IBAYIK7EA0EE AR HF 29170040 + 02300 B JS												
SUSAP	KFINK7FR29 AROYES 010ROYESK7EA0E IF 18000 B JS												
SUSAP	KFINK7FR29 AROYES 020IBAYIK7EA0EY 020TF 11370236 + 02300 B JS												
SUSAP	KFINK7FR29 AROYES 030IBAYIK7EA0EE AR HF 29170040 + 02300 B JS												
SUSAP	KFINK7FR29 R 010IBAYIK7EA0E I IF 18000 B JS												
SUSAP	KFINK7FR29 R 020HAGAVK7EA1E F 010TF 29170060 + 01600 RW29 K7PGB JS												
SUSAP	KFINK7FR29 R 020HAGAVK7EA2WN N ALNAV JS												
SUSAP	KFINK7FR29 R 030RW29 K7PG0GY M 031TF 29170047 00071 -304 B JS												
SUSAP	KFINK7FR29 R 040 0 M CA 2917 + 00433 B JS												
SUSAP	KFINK7FR29 R 050MEGPEK7EA0EY DF + 02300 B JS												
SUSAP	KFINK7FR29 R 060MEGPEK7EA0EE L HM 11150040 + 02300 B JS												



CITY AND STATE PALM COAST, FL	ELEVATION: 33	TDZE: 33	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME:	FLAGLER COUNTY	RNAV	RNAV (GPS) RWY 29, ORIG-C 13 NOVEMBER 2014	AMDT: ORIG-B
					DATED: 09/18/2014

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

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RUNWAY 1234567890123456789012345678901234567890123456789012345678901234567890123456789012

SUSAP KFINK7GRW29 0049992916 N29280546W081115751+0000 -0019300031000040100R

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

SUSAP KFINK7SRW29 K7PG 0 18018002325 M



CITY AND STATE PALM COAST, FL	ELEVATION: 33	TDZE: 33	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 29, ORIG-C 13 NOVEMBER 2014	SUP:
	AIRPORT NAME: FLAGLER COUNTY				AMDT: ORIG-B
					DATED: 09/18/2014

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

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ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	ASTOR	ASTOR	010		IF		FB					
	ASTOR	IBAYI	020		TF		FO	2.0	151.3 (145.3T)	027.6	AA 02300	
	ASTOR	IBAYI	030	IAF	HF	R	FO		291.7 (285.7T)	004.0	AA 02300	
	BARBS	BARBS	010		IF		FB					
	BARBS	IBAYI	020		TF		FO	2.0	078.4 (072.4T)	022.4	AA 02300	
	BARBS	IBAYI	030	IAF	HF	R	FO		291.7 (285.7T)	004.0	AA 02300	
	OMN	OMN	010		IF		FB					
	OMN	IBAYI	020		TF		FO	2.0	045.8 (039.8T)	009.1	AA 02300	
	OMN	IBAYI	030	IAF	HF	R	FO		291.7 (285.7T)	004.0	AA 02300	
	ROYES	ROYES	010		IF		FB					
	ROYES	IBAYI	020		TF		FO	2.0	113.7 (107.7T)	023.6	AA 02300	
	ROYES	IBAYI	030	IAF	HF	R	FO		291.7 (285.7T)	004.0	AA 02300	
		IBAYI	010	FACF	IF		FB				AA 02300	
	HAGAV	020	FAF	TF			FB	1.0	291.7 (285.7T)	006.0	AA 01600	
	RW29	030	MAP	TF			FO	0.3	291.7 (285.7T)	004.7	AT 00071	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		291.7 (285.7T)		AA 00433	
	MEGPE	050		DF		FO				AA 02300	
	MEGPE	060		HM	L	FO		111.5 (105.5T)	004.0	AA 02300	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	OMN	N291811.71	W0810645.71	N2918.195	W08106.762
	ASTOR	N294755.30	W0811806.11	N2947.922	W08118.102
	BARBS	N291826.84	W0812431.52	N2918.447	W08124.525
	HAGAV	N292648.64	W0810644.00	N2926.811	W08106.733
	IBAYI	N292510.83	W0810006.22	N2925.181	W08100.104
	MEGPE	N293122.06	W0812524.43	N2931.368	W08125.407
	ROYES	N293226.01	W0812552.86	N2932.434	W08125.881
	RW29	N292805.46	W0811157.51	N2928.091	W08111.959

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW29	00031	40

Handwritten: 000000
CHG

CITY AND STATE PALM COAST, FL	ELEVATION: 33	TDZE: 33	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME:	FLAGLER COUNTY	RNAV	RNAV (GPS) RWY 29, ORIG-C	AMDT: ORIG-B
				13 NOVEMBER 2014	DATED: 09/18/2014

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

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City, State	Airport	Effective Date	Amdt. No.
PALM COAST, FL	FLAGLER COUNTY	13 NOVEMBER 2014	1

TAKEOFF MINIMUMS:

RWY 6, 11, 24, 29 - STANDARD.

TEXTUAL DEPARTURE PROCEDURES:

RWY 24 - CLIMB HEADING 240.51 TO 700 BEFORE TURNING RIGHT.
RWY 29 - CLIMB HEADING 280 TO 1600 BEFORE TURNING.

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 6, TREES BEGINNING 705 FT FROM DER, 80 FT RIGHT OF CENTERLINE, UP TO 36 FT AGL / 61 FT MSL. TREE 767 FT FROM DER, 43 FT LEFT OF CENTERLINE, 34 FT AGL / 59 FT MSL. TREE 1258 FT FROM DER, 99 FT LEFT OF CENTERLINE, 56 FT AGL / 81 FT MSL. TREE 1537 FT FROM DER, 31 FT RIGHT OF CENTERLINE, 59 FT AGL / 84 FT MSL. TREES BEGINNING 1796 FT FROM DER, 363 FT LEFT OF CENTERLINE, UP TO 82 FT AGL / 107 FT MSL. TREE 1905 FT FROM DER, 192 FT RIGHT OF CENTERLINE, 63 FT AGL / 88 FT MSL. TREES BEGINNING 2578 FT FROM DER, 442 FT RIGHT OF CENTERLINE, UP TO 83 FT AGL / 108 FT MSL. TREE 3253 FT FROM DER, 564 FT LEFT OF CENTERLINE, 83 FT AGL / 115 FT MSL.

NOTE: RWY 11, TREE 59 FT FROM DER, 274 FT RIGHT OF CENTERLINE, 42 FT AGL / 67 FT MSL. TREE 736 FT FROM DER, 281 FT RIGHT OF CENTERLINE, 54 FT AGL / 29 FT MSL. TREE 1596 FT FROM DER, 392 FT RIGHT OF CENTERLINE, 82 FT AGL / 57 FT MSL. TREE 1958 FT FROM DER, 47 FT RIGHT OF CENTERLINE, 69 FT AGL / 94 FT MSL. TREES BEGINNING 1977 FT FROM DER, 63 FT LEFT OF CENTERLINE, UP TO 76 FT AGL / 101 FT MSL. TREES BEGINNING 2550 FT FROM DER, 441 FT RIGHT OF CENTERLINE, UP TO 90 FT AGL / 110 FT MSL.

NOTE: RWY 24, TREE 142 FT FROM DER, 441 FT RIGHT OF CENTERLINE, 63 FT AGL / 88 FT MSL. TREE 1314 FT FROM DER, 839 FT LEFT OF CENTERLINE, 86 FT AGL / 111 FT MSL.

NOTE: RWY 29, TREE 31 FT FROM DER, 275 FT LEFT OF CENTERLINE, 59 FT AGL / 84 FT MSL. TREE 415 FT FROM DER, 585 FT RIGHT OF CENTERLINE, 57 FT AGL / 82 FT MSL. TREES BEGINNING 1195 FT FROM DER, 774 FT LEFT OF CENTERLINE, UP TO 90 FT AGL / 110 FT MSL. TREES BEGINNING 1289 FT FROM DER, 308 FT RIGHT OF CENTERLINE, UP TO 86 FT AGL / 111 FT MSL. TREES BEGINNING 1538 FT FROM DER, 523 FT LEFT OF CENTERLINE, UP TO 89 FT AGL / 109 FT MSL. TREE 1831 FT FROM DER, 48 FT RIGHT OF CENTERLINE, 61 FT AGL / 86 FT MSL.

CONTROLLING OBSTACLES:

OBSTACLES MANDATING ODP ROUTE DEVELOPMENT:
RWY 24, RWY 29 - 1249 FT MSL TOWER 293109.00N/0811901.00W.

REMARKS:

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.
PALM COAST, FL	FLAGLER COUNTY	13 NOVEMBER 2014	1

FLIGHT INSPECTED BY:

Robert Payne  8/14/14

REQUIRED EFFECTIVE DATE:

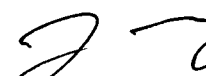
ROUTINE

DEVELOPED BY:

JACOB POWERS 
(DUSTIN R. DAVIDSON)  ADV-352

05/01/2014

APPROVED BY:

SUSAN CRUMB  ADV-352

COORDINATED WITH:

ALPA, AOPA, NBAA, ZJX, FIN ATCT, ARPT MGR

AUG 25 2014

CHANGES:

1. CHANGED RWY 24 DEPARTURE PROCEDURE TURN RESTRICTION FROM "...BEFORE TURNING NORTHBOUND" TO "...BEFORE TURNING RIGHT".
2. CHANGED RWY 29 DEPARTURE PROCEDURE HEADING FROM 270 TO 280.
3. DECREASED RWY 29 DEPARTURE PROCEDURE CLIMB TO ALTITUDE FROM 1700 FT TO 1600 FT.
4. ADDED TAKEOFF OBSTACLES.

REASONS:

1. IAW 8260.46D APPENDIX D PARA 7A(1) - CLARIFY WORDING FOR SIMPLICITY.
2. IAW 8260.3B VOL 4 PARA 3.0 - 15 DEGREE MAX TURN FOR STRAIGHT OUT DEPARTURE.
3. CONTROLLING OBSTACLE IS CLEARED WITH LOWER CLIMB TO ALTITUDE THAN CURRENTLY PUBLISHED.
4. IAW 8260.46D APPENDIX D PARA 3C(1) - CG OBSTACLES CAUSE A CLIMB GRADIENT TO ALTITUDE OF 200 FT OR LESS ABOVE DER.

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: 5.05 MILES AFTER JATIN/I-CBF 6.12 DME OR AT I-CBF 1.07 DME FIX CLIMB TO 3000 THEN RIGHT TURN DIRECT OVR VORTAC AND HOLD, OR AS DIRECTED BY ATC. ALTERNATE MA: CLIMB TO 3000 THEN CLIMBING LEFT TURN TO 4000 ON HEADING 298 AND SUX VORTAC R-150 TO ZATNA/SUX 50.00 DME AND HOLD. ADDITIONAL FLIGHT DATA: HOLD E, RT, 284.00 INBOUND. CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD NW ZATNA/SUX 50.00 DME, RT, 150.34 INBOUND. CHART FAS OBST: 1269 TREE 411512N/0954535W CHART VDP AT 1.79 DME* DISTANCE VDP TO THLD 0.72 MILES. *LOC ONLY. CHART (CFBZM) AT INTERSECTION OF IPALY DR LEG AND INTERMEDIATE COURSE. CHART IN PLANVIEW: ZATNA/SUX 50.00 DME. CHART CIRCLING ICON.											
OVR VORTAC	JATIN/I-CBF 6.12 DME	268.89 / 1.10	3000												
IPALY/OVR 15.00 DME (IAF)	WAMET/I-CBF 12.26 DME (NOPT)	041.53 / 5.31 (HDG) & 356.53 / 4.40 (I-CBF)	3000												
WAMET/I-CBF 12.26 DME (IF)	JATIN/I-CBF 6.12 DME	356.53 / 6.14 (I-CBF)	2900												
1. PT <u>L</u> SIDE OF COURSE <u>176.53</u> OUTBOUND <u>3000</u> FT WITHIN <u>10</u> MILES OF <u>JATIN</u> (IAF) 2. _____ 3. FAC: <u>356.53</u> FAF: <u>JATIN/I-CBF 6.12 DME</u> DIST FAF TO MAP: <u>5.05</u> THLD: <u>5.05</u> 4. MIN. ALT: <u>JATIN 2900, HODIN/I-CBF 2.77 DME 1760*</u> 5. DIST TO THLD FROM OM: <u>-</u> MM: <u>-</u> IM: <u>-</u> 150 HAT: <u>-</u> 100 HAT: <u>-</u> GS ANT: <u>953</u> 6. MIN GS INCPT: <u>2900</u> GS ALT AT: <u>JATIN 2900</u> OM: <u>-</u> MM: <u>-</u> IM: <u>-</u> 7. GS ANGLE: <u>3.00</u> TCH: <u>50.0</u> 8. MSA FROM: <u>OVR VORTAC 3900</u>				MAG VAR: 5E EPOCH YEAR: 2000											
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 36	1445	3/4	200	1445	3/4	200	1445	3/4	200	1445	3/4	200			
S-LOC 36	1760	1	515	1760	1	515	1760	1 3/8	515	1760	1 3/8	515			
CIRCLING	1760	1	515	1840	1	595	1840	1 1/2	595	1880	2	635			
HODIN FIX MINIMUMS															
S-LOC 36	1520	1	275	1520	1	275	1520	1	275	1520	1	275			
CIRCLING	1700	1	455	1840	1	595	1840	1 1/2	595	1880	2	635			
NOTES: CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE EPPLEY AIRFIELD ALTIMETER SETTING AND INCREASE ALL DA 52 FEET, AND ALL MDA 60 FEET AND INCREASE S-LOC 36 CATS C AND D AND CIRCLING CAT C AND D VISIBILITY 1/4 MILE. HODIN FIX MINIMUMS: INCREASE CIRCLING CAT C AND D VISIBILITY 1/4 MILE. (SEE FORM 8260-10)															
CITY AND STATE		ELEVATION: 1245 TDZE: 1245		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:					
COUNCIL BLUFFS, IA		AIRPORT NAME:		I-CBF		ILS OR LOC RWY 36, AMDT 1				AMDT: ORIG					
		COUNCIL BLUFFS MUNI				13 NOVEMBER 2014				DATED 09/23/2010					

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: VDP NA WITH EPPLEY AIRFIELD ALTIMETER SETTING.

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



CITY AND STATE COUNCIL BLUFFS, IA	ELEVATION: 1245	TDZE: 1245	FACILITY IDENTIFIER: I-CBF	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 36, AMDT 1 13 NOVEMBER 2014	SUP:
	AIRPORT NAME: COUNCIL BLUFFS MUNI	AMDT: ORIG			
	DATED: 09/23/2010				

FLIGHT STANDARDS SERVICES - FAR PART 97.29

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

ARINC PACKET - 424-18 - ILS

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

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3	
SUSAP	KCBFK3FI36	AIPALY	010IPALYK3EA0E	A	IF					18000		0	NS	
SUSAP	KCBFK3FI36	AIPALY	020CFBZMK3PC0E		TF				+	03000		0	NS	
SUSAP	KCBFK3FI36	AIPALY	030WAMETK3PC0EE	B	CF	ICBFK3	1765012335650044PI		+	03000		0	NS	
SUSAP	KCBFK3FI36	AOVR	010OVR K3D 0V		IF					18000		0	NS	
SUSAP	KCBFK3FI36	AOVR	020JATINK3PC0E		TF				+	03000		0	NS	
SUSAP	KCBFK3FI36	AOVR	030JATINK3PC0EE	AR	PI	OFF K3	0586007013150100D		+	03000		0	NS	
SUSAP	KCBFK3FI36	I	010WAMETK3PC0E	I	IF	ICBFK3	17650123	PI	J	030000290018000		0	NS	
SUSAP	KCBFK3FI36	I	020JATINK3PC0E	F	CF	ICBFK3	1765006135700061PI	H	0290002900		-300OVR	K3D	0	NS
SUSAP	KCBFK3FI36	I	030RW36 K3PG0GY	M	CF	ICBFK3	1765001135700051PI			01292	-300		0	NS
SUSAP	KCBFK3FI36	I	040	0	M	CA	3565		+	03000		0	NS	
SUSAP	KCBFK3FI36	I	050OVR K3D 0VY	R	DF				+	03000		0	NS	
SUSAP	KCBFK3FI36	I	060OVR K3D 0VE	R	HM		2840T010		+	03000		0	NS	

[illegible]

SUP:	
AMDT:	ORIG
DATED:	09/23/2010

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - FAR PART 97.29

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

SUSAP KCBFK3IICBF1	011135RW36	N41161697W0954526353565N41152219W0954532601009	09530600300E00505001242										

MSA	1234567890123456789012345678901234567890123456789012345678901234567890123456789012												

SUSAP KCBFK3SOVR	K3D	0	18018003925										M

CITY AND STATE
COUNCIL BLUFFS, IA

ELEVATION: 1245 TDZE: 1245
AIRPORT NAME:
COUNCIL BLUFFS MUNI

FACILITY
IDENTIFIER:
I-CBF

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
ILS OR LOC RWY 36, AMDT 1
13 NOVEMBER 2014

SUP:

AMDT: ORIG

DATED: 09/23/2010

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
	IPALY	IPALY	010	IAF	IF		FB					
	IPALY	CFBZM	020		TF		FB				AA 03000	
	IPALY	WAMET	030		CF		FB		356.5 ()	004.4	AA 03000	
	OVR	OVR	010		IF		FB					
	OVR	JATIN	020		TF		FB				AA 03000	
	OVR	JATIN	030	IAF	PI	R	FB		131.5 ()	010.0	AA 03000	
		WAMET	010	FACF	IF		FB				AA 03000 GI 02900	
		JATIN	020	FAF	CF		FB		357.0 ()	006.1	GI 02900 GS 02900	
		RW36	030	MAP	CF		FO		357.0 ()	005.1	AT 01292	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		356.5 ()		AA 03000	
	OVR	050		DF	R	FO				AA 03000	
	OVR	060		HM	R	FO		284.0 ()	T01.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	OFF (DME)	N410702.04	W0955400.04	N4107.034	W09554.001
	OVR	N411001.80	W0954412.67	N4110.030	W09544.211
	ICBF (DME)	N411616.98	W0954527.04	N4116.283	W09545.451
	IPALY	N405558.15	W0955106.92	N4055.969	W09551.115
	CFBZM	N405937.35	W0954601.59	N4059.623	W09546.027
	JATIN	N411009.70	W0954539.33	N4110.162	W09545.656
	WAMET	N410401.15	W0954552.32	N4104.019	W09545.872
	RW36	N411512.69	W0954528.62	N4115.212	W09545.477
	ICBF (LOC)	N411616.97	W0954526.35	N4116.283	W09545.439

RUNWAY DATA	THRESHOLD	ELEVATION	TCH
RWY			
RW36	01242		50

CITY AND STATE
COUNCIL BLUFFS, IA

ELEVATION: 1245 TDZE: 1245
AIRPORT NAME:
COUNCIL BLUFFS MUNI

FACILITY
IDENTIFIER:
I-CBF

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
ILS OR LOC RWY 36, AMDT 1
13 NOVEMBER 2014

SUP:
AMDT: ORIG
DATED: 09/23/2010

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	KCBFK3FL36	AIPALY	010IPALYK3EA0E	A	IF					18000		0	NS
SUSAP	KCBFK3FL36	AIPALY	020CFBZMK3PC0E		TF				+ 03000			0	NS
SUSAP	KCBFK3FL36	AIPALY	030WAMETK3PC0EE	B	CF	ICBFK3	1765012335650044PI		+ 03000			0	NS
SUSAP	KCBFK3FL36	AOVR	010OVR	K3D 0V	IF					18000		0	NS
SUSAP	KCBFK3FL36	AOVR	020JATINK3PC0E		TF				+ 03000			0	NS
SUSAP	KCBFK3FL36	AOVR	030JATINK3PC0EE	AR	PI	OFF K3	0586007013150100D		+ 03000			0	NS
SUSAP	KCBFK3FL36	L	010WAMETK3PC0E	I	IF	ICBFK3	17650123	PI	+ 03000	18000		0	NS
SUSAP	KCBFK3FL36	L	020JATINK3PC0E	F	CF	ICBFK3	1765006135700061PI		+ 02900		OVR	K3D	0
SUSAP	KCBFK3FL36	L	021HODINK3PC0E	S	CF	ICBFK3	1765002835700034PI		+ 01760	-301		0	NS
SUSAP	KCBFK3FL36	L	030RW36	K3PG0GY M	CF	ICBFK3	1765001135700017PI		01292	-301		0	NS
SUSAP	KCBFK3FL36	L	040	0 M	CA		3565		+ 03000			0	NS
SUSAP	KCBFK3FL36	L	050OVR	K3D 0VY R	DF				+ 03000			0	NS
SUSAP	KCBFK3FL36	L	060OVR	K3D 0VE R	HM		2840T010		+ 03000			0	NS

[illegible]

CITY AND STATE
COUNCIL BLUFFS, IA

ELEVATION: 1245	TDZE: 1245
AIRPORT NAME: COUNCIL BLUFFS MUNI	

FACILITY
IDENTIFIER:
I-CBF

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
ILS OR LOC RWY 36, AMDT 1
 13 NOVEMBER 2014

SUP:	
AMDT:	ORIG
DATED:	09/23/2010

FLIGHT STANDARDS SERVICES - FAR PART 97.25

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SUSAP KCBFK3GRW36 0055003565 N41151269W095452862-0200 +0351001242000050100IICBF1

[illegible]

SUSAP KCBFK3IICBF1 011135RW36 N41161697W0954526353565N41152219W0954532601009 09530600300E00505001242

[illegible]

SUSAP KCBFK3SOVR K3D 0 18018003925 M

SUP:	
AMDT:	ORIG
DATED:	09/23/2010

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
	IPALY	IPALY	010	IAF	IF		FB					
	IPALY	CFBZM	020		TF		FB				AA 03000	
	IPALY	WAMET	030		CF		FB		356.5()	004.4	AA 03000	
	OVR	OVR	010		IF		FB					
	OVR	JATIN	020		TF		FB				AA 03000	
	OVR	JATIN	030	IAF	PI	R	FB		131.5()	010.0	AA 03000	
		WAMET	010	FACF	IF		FB				AA 03000	
		JATIN	020	FAF	CF		FB		357.0()	006.1	AA 02900	
		HODIN	021	SDF	CF		FB		357.0()	003.4	AA 01760	
		RW36	030	MAP	CF		FO		357.0()	001.7	AT 01292	

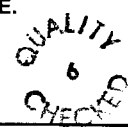
MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		356.5()		AA 03000	
	OVR	050		DF	R	FO				AA 03000	
	OVR	060		HM	R	FO		284.0()	T01.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	OFF (DME)	N410702.04	W0955400.04	N4107.034	W09554.001
	OVR	N411001.80	W0954412.67	N4110.030	W09544.211
	ICBF (DME)	N411616.98	W0954527.04	N4116.283	W09545.451
	IPALY	N405558.15	W0955106.92	N4055.969	W09551.115
	CFBZM	N405937.35	W0954601.59	N4059.623	W09546.027
	HODIN	N411330.67	W0954532.23	N4113.511	W09545.537
	JATIN	N411009.70	W0954539.33	N4110.162	W09545.656
	WAMET	N410401.15	W0954552.32	N4104.019	W09545.872
	RW36	N411512.69	W0954528.62	N4115.212	W09545.477
	ICBF (LOC)	N411616.97	W0954526.35	N4116.283	W09545.439

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW36	01242	50

CITY AND STATE
COUNCIL BLUFFS, IAELEVATION: 1245 TDZE: 1245
AIRPORT NAME:
COUNCIL BLUFFS MUNIFACILITY
IDENTIFIER:
I-CBFPROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
ILS OR LOC RWY 36, AMDT 1
13 NOVEMBER 2014SUP:
AMDT: ORIG
DATED: 09/23/2010

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: RW18 CLIMB TO 3000 DIRECT WAMET AND HOLD. ADDITIONAL FLIGHT DATA: HOLD S, RT, 356.53 INBOUND. CHART FAS OBST: 1385 POLE 411742N/0954521W DISTANCE TO THLD FROM 250 HAT: 0.64 NM. WAAS CHANNEL # 42806 REFERENCE PATH ID: W18A CHART CIRCLING ICON LTP HAE: 347.6 M											
OVR VORTAC	IPORE (FO)	352.92 / 17.32	3000												
GLENE	YUFZU (FB)	266.14 / 4.65	3000												
ZISIX (IAF)	IPORE (NOPT) (FB)	097.88 / 6.47	3000												
YUFZU (IAF)	IPORE (NOPT) (FB)	266.62 / 6.44	3000												
IPORE (IF/IAF)	HODER (FB)	176.53 / 6.13	2900												
HODER (FAF)	FEDES/1.60 NM TO RW18 (FB)	176.53 / 3.50													
(SEE FORM 8260-10)															
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF)															
2. HOLD N IPORE, RT, 176.53 INBOUND, 3000 FT. IN LIEU OF PT (IAF)															
3. FAC: 176.53 FAF: HODER DIST FAF TO MAP: <u>5.10</u> THLD: <u>5.10</u>															
4. MIN. ALT: IPORE 3000, HODER 2900, FEDES/1.60 NM TO RW18 1780*															
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>2900</u> GS ALT AT: HODER <u> </u> OM: <u> </u> MM: <u> </u> IM: <u> </u>															
7. GS ANGLE: <u>3.00</u> TCH: <u>45.0</u> 34:1 IS CLEAR															
8. MSA FROM: RW18 3900															
				MAG VAR: 5E EPOCH YEAR: 2000											
MINIMUMS															
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE: N A											
STANDARD @															
CATEGORY =====>	A		B		C		D		E						
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	1491	3/4	250	1491	3/4	250	1491	3/4	250	1491	3/4	250			
LNAV/VNAV DA	1636	1 3/8	395	1636	1 3/8	395	1636	1 3/8	395	1636	1 3/8	395			
LNAV MDA	1640	1	399	1640	1	399	1640	1	399	1640	1	399			
CIRCLING	1700	1	455	1840	1	595	1840	1 1/2	595	1880	2	635			
NOTES: CHART NOTE: BARO-VNAV NA WHEN USING EPPLEY AIRFIELD ALTIMETER SETTING. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17C (2F) OR ABOVE 54C (130F). CHART NOTE: DME/DME RNP-0.3 NA. *LNAV ONLY (SEE FORM 8260-10)															
CITY AND STATE		ELEVATION: 1245 TDZE: 1241		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:					
COUNCIL BLUFFS, IA		AIRPORT NAME:		RNAV		RNAV (GPS) RWY 18, AMDT 1 13 NOVEMBER 2014				AMDT: ORIG					
		COUNCIL BLUFFS MUNI								DATED 04/10/2008					



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
FEDES/1.60 NM TO RW18	RW18 (MAP) (FO)	176.53 / 1.60	
RW18 (MAP)	1491 MSL	176.53	
1491 MSL	WAMET (FO)		3000

NOTES, (CONT.):

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE EPPLEY AIRFIELD ALTIMETER SETTING AND INCREASE ALL DA 52 FEET, AND ALL MDA 60 FEET AND INCREASE LPV ALL CATS VISIBILITY 1/4 MILE, LNAV/VNAV ALL CATS VISIBILITY 1/8 MILE AND LNAV CAT C AND D AND CIRCLING CAT C AND D VISIBILITY 1/4 MILE.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON OVR VORTAC AIRWAY RADIALS 276 CW 072.

QUALITY
6
CHECKED

CITY AND STATE

COUNCIL BLUFFS, IA

ELEVATION: 1245

TDZE: 1241

AIRPORT NAME:

COUNCIL BLUFFS MUNI

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 18, AMDT 1

13 NOVEMBER 2014

SUP:

AMDT: ORIG

DATED: 04/10/2008

**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	KCBF
RUNWAY	RW18
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W18A
LTP/FTP LATITUDE	411607.0100N
LTP/FTP LONGITUDE	0954526.7030W
LTP/FTP ELLIPSOIDAL HEIGHT	+03476
FPAP LATITUDE	411437.8935N
FPAP LONGITUDE	0954529.8560W
THRESHOLD CROSSING HEIGHT (TCH)	00045.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1072
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER

9C5990F0

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+03752
FPAP ORTHOMETRIC HEIGHT	+03752

QUALITY
&
CHECK

CITY AND STATE

COUNCIL BLUFFS, IA

ELEVATION: 1245

TDZE: 1241

AIRPORT NAME:

COUNCIL BLUFFS MUNI

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 18, AMDT 1

13 NOVEMBER 2014

SUP:

AMDT: ORIG

DATED: 04/10/2008

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 PACKET - 424-18 - RNAV (GPS)

NAVAID	1	2	3	4	5	6	7	8	9	0	1	2	3
	1234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAD	OVR	K3011630VTHA	N41100180W095441267	N41100180W095441267E0080013002	NAROMAHA								

WP	1	2	3	4	5	6	7	8	9	0	1	2	3
	1234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAEENRT	FEDES K30	W	N41174303W095452330	E0027	NAR	FEDES							
SUSAEENRT	GLENE K30	C	L N41270484W095301794	E0025	NAR	GLENE							
SUSAEENRT	HODER K30	W	N41211301W095451586	E0026	NAR	HODER							
SUSAEENRT	IPORE K30	W	N41272087W095450278	E0026	NAR	IPORE							
SUSAEENRT	WAMET K30	C	N41040115W095455232	E0027	NAR	WAMET							
SUSAEENRT	YUFZU K30	W	N41271023W095362910	E0025	NAR	YUFZU							
SUSAEENRT	ZISIX K30	C	L N41284772W095532578	E0027	NAR	ZISIX							

AIRPORT	1	2	3	4	5	6	7	8	9	0	1	2	3
	1234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP	KCBFK3ACBF	0	055YHN41153640W095453110E005001245	1800018000C	MNAR	COUNCIL BLUFFS MUNI							

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
	1234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP	KCBFK3FR18	AGLENE	010GLENEK3EA0E	IF						18000		A JS	
SUSAP	KCBFK3FR18	AGLENE	020YUFZUK3EA0E	A 020TF		26610047		+ 03000				A JS	
SUSAP	KCBFK3FR18	AGLENE	030IPOREK3EA0EE	B 010TF		26660064		+ 03000				A JS	
SUSAP	KCBFK3FR18	AOVR	010OVR K3D 0V	IF						18000		A JS	
SUSAP	KCBFK3FR18	AOVR	020IPOREK3EA0EY	020TF		35290173		+ 03000				A JS	
SUSAP	KCBFK3FR18	AOVR	030IPOREK3EA0EE	AR HF		17650040		+ 03000				A JS	
SUSAP	KCBFK3FR18	AZISIX	010ZISIXK3EA0E	A IF						18000		A JS	
SUSAP	KCBFK3FR18	AZISIX	020IPOREK3EA0EE	B 010TF		09790065		+ 03000				A JS	
SUSAP	KCBFK3FR18	R	010IPOREK3EA0E	I IF				+ 03000		18000		A JS	
SUSAP	KCBFK3FR18	R	020HODERK3EA1E	F 051TF		17650061		+ 02900			RW18	K3PGA JS	
SUSAP	KCBFK3FR18	R	020HODERK3EA2WALPV		ALNAV/VNAV ALNAV							JS	
SUSAP	KCBFK3FR18	R	021FEDESK3EA0E	S 031TF		17650035		V 0178001786		-300		A JS	
SUSAP	KCBFK3FR18	R	030RW18 K3PG0GY	M 031TF		17650016		01276		-300		A JS	
SUSAP	KCBFK3FR18	R	040	0 M CA		1765		+ 01491				A JS	
SUSAP	KCBFK3FR18	R	050WAMETK3EA0EY	DF				+ 03000				A JS	
SUSAP	KCBFK3FR18	R	060WAMETK3EA0EE	R HM		35650040		+ 03000				A JS	

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

CITY AND STATE COUNCIL BLUFFS, IA	ELEVATION: 1245	TDZE: 1241	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME: COUNCIL BLUFFS MUNI		RNAV	RNAV (GPS) RWY 18, AMDT 1	AMDT: ORIG
				13 NOVEMBER 2014	DATED: 04/10/2008

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

[illegible]

QUALITY
CHECKED

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

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

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

ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	GLENE	GLENE	010		IF		FB					
	GLENE	YUFZU	020	IAF	TF		FB	2.0	266.1(271.1T)	004.7	AA 03000	
	GLENE	IPORE	030		TF		FB	1.0	266.6(271.6T)	006.4	AA 03000	
	OVR	OVR	010		IF		FB					
	OVR	IPORE	020		TF		FO	2.0	352.9(357.9T)	017.3	AA 03000	
	OVR	IPORE	030	IAF	HF	R	FO		176.5(181.5T)	004.0	AA 03000	
	ZISIX	ZISIX	010	IAF	IF		FB					
	ZISIX	IPORE	020		TF		FB	1.0	097.9(102.9T)	006.5	AA 03000	
		IPORE	010	FACF	IF		FB				AA 03000	
		HODER	020	FAF	TF		FB	0.5	176.5(181.5T)	006.1	AA 02900	
		FEDES	021	SDF	TF		FB	0.3	176.5(181.5T)	003.5	AA 01780	GS 01786
		RW18	030	MAP	TF		FO	0.3	176.5(181.5T)	001.6	AT 01276	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		176.5(181.5T)		AA 01491	
	WAMET	050		DF		FO				AA 03000	
	WAMET	060		HM	R	FO		356.5(001.5T)	004.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	OVR	N411001.80	W0954412.67	N4110.030	W09544.211
	FEDES	N411743.03	W0954523.30	N4117.717	W09545.388
	GLENE	N412704.84	W0953017.94	N4127.081	W09530.299
	HODER	N412113.01	W0954515.86	N4121.217	W09545.264
	IPORE	N412720.87	W0954502.78	N4127.348	W09545.046
	WAMET	N410401.15	W0954552.32	N4104.019	W09545.872
	YUFZU	N412710.23	W0953629.10	N4127.171	W09536.485
	ZISIX	N412847.72	W0955325.78	N4128.795	W09553.430
	RW18	N411607.01	W0954526.70	N4116.117	W09545.445

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW18	01231	45



CITY AND STATE COUNCIL BLUFFS, IA	ELEVATION: 1245	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 18, AMDT 1 13 NOVEMBER 2014	SUP:
	AIRPORT NAME: COUNCIL BLUFFS MUNI			AMDT: ORIG
				DATED: 04/10/2008

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				
EMEND	VOHBU (FB)	261.83 / 8.60	3000	LPV: DA LNAV/VNAV: DA LNAV: RW36 CLIMB TO 3000 DIRECT IPORE AND HOLD.			
MEPWE	CAVIP (FB)	092.10 / 7.81	3000				
OVR VORTAC	WAMET (FO)	186.81 / 6.14	3000	ADDITIONAL FLIGHT DATA: HOLD N, RT, 176.53 INBOUND. CHART FAS OBST: 1329 TREE 411414N/0954504W DISTANCE TO THLD FROM 200 HAT: 0.47 NM. CHART VDP AT 0.91 MILES TO RW36* *LNAV ONLY. WAAS CHANNEL # 53606 REFERENCE PATH ID: W36A CHART CIRCLING ICON. LTP HAE: 351 M			
VOHBU (IAF)	WAMET (NOPT) (FB)	266.62 / 6.44	3000				
CAVIP (IAF)	WAMET (NOPT) (FB)	086.44 / 6.44	3000				
WAMET (IF/IAF)	JATIN (FB)	356.53 / 6.14	2900				
JATIN (FAF)	HODIN/1.70 NM TO RW36 (FB)	356.53 / 3.35					
(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 S WAMET, RT, 356.53 INBOUND, 3000 FT. IN LIEU OF PT (IAF)	
3. FAC: <u>356.53</u> FAF: <u>JATIN</u>	DIST FAF TO MAP: <u>5.05</u> THLD: <u>5.05</u>
4. MIN. ALT: WAMET 3000, JATIN 2900, HODIN/1.70 NM TO RW36 1820*	
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>2900</u> GS ALT AT: JATIN 2900 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: RW36 3900	

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	1445	3/4	200	1445	3/4	200	1445	3/4	200	1445	3/4	200			
LNAV/VNAV DA	1495	3/4	250	1495	3/4	250	1495	3/4	250	1495	3/4	250			
LNAV MDA	1580	1	335	1580	1	335	1580	1	335	1580	1	335			
CIRCLING	1700	1	455	1840	1	595	1840	1 1/2	595	1880	2	635			

NOTES:
 CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17C (2F) OR ABOVE 54C (130F). @ NA WHEN LOCAL WEATHER NOT AVAILABLE.
 CHART NOTE: DME/DME RNP-0.3 NA.
 CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE EPPLEY AIRFIELD ALTIMETER SETTING AND INCREASE ALL DA 52 FEET, AND ALL MDA 60 FEET AND INCREASE LNAV/VNAV ALL CATS VISIBILITY 1/4 MILE, (SEE FORM 8260-10)

CITY AND STATE COUNCIL BLUFFS, IA	ELEVATION: 1245 TDZE: 1245 AIRPORT NAME: COUNCIL BLUFFS MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 36, AMDT 2 13 NOVEMBER 2014	SUP: AMDT: 1 DATED 07/29/2010

RNAV - STANDARD

INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
HODIN/1.70 NM TO RW36	RW36 (MAP) (FO)	356.53 / 1.70	
RW36 (MAP)	1445 MSL	356.53	
1445 MSL	IPORE (FO)		3000

NOTES, (CONT.):

LNAV CAT C AND D VISIBILITY 1/8 MILE, AND CIRCLING CAT C AND D VISIBILITY 1/4 MILE.

CHART NOTE: BARO-VNAV AND VDP NA WITH EPPLEY AIRFIELD ALTIMETER SETTING.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON OVR VORTAC AIRWAY RADIALS 145 CW 276.

QUALITY
6
CHECKED

CITY AND STATE

COUNCIL BLUFFS, IA

ELEVATION: 1245

TDZE: 1245

AIRPORT NAME:

COUNCIL BLUFFS MUNI

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 36, AMDT 2

13 NOVEMBER 2014

SUP:

AMDT:

1

DATED:

07/29/2010

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

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

FAS DATA BLOCK INFORMATIONDATA FIELDDATA

OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KCBF
RUNWAY	RW36
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W36A
LTP/FTP LATITUDE	411512.6900N
LTP/FTP LONGITUDE	0954528.6210W
LTP/FTP ELLIPSOIDAL HEIGHT	+03510
FPAP LATITUDE	411641.8070N
FPAP LONGITUDE	0954525.4660W
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	1072
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0

CRC REMAINDER

418428F9

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+03786
FPAP ORTHOMETRIC HEIGHT	+03786

CITY AND STATE

COUNCIL BLUFFS, IA

ELEVATION: 1245

TDZE: 1245

AIRPORT NAME:

COUNCIL BLUFFS MUNI

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 36, AMDT 2

13 NOVEMBER 2014

SUP:

AMDT: 1

DATED: 07/29/2010

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	KCBFK3FR36	AEMEND	010EMENDK3EA0E	IF						18000		A JS	
SUSAP	KCBFK3FR36	AEMEND	020VOHBUK3EA0E	A 020TF		26180086	+	03000				A JS	
SUSAP	KCBFK3FR36	AEMEND	030WAMETK3EA0EE	B 010TF		26660064	+	03000				A JS	
SUSAP	KCBFK3FR36	AMEPWE	010MEPWK3EA0E	IF						18000		A JS	
SUSAP	KCBFK3FR36	AMEPWE	020CAVIPK3EA0E	A 020TF		09210078	+	03000				A JS	
SUSAP	KCBFK3FR36	AMEPWE	030WAMETK3EA0EE	B 010TF		08640064	+	03000				A JS	
SUSAP	KCBFK3FR36	AOVR	010OVR K3D 0V	IF						18000		A JS	
SUSAP	KCBFK3FR36	AOVR	020WAMETK3EA0EY	020TF		18680061	+	03000				A JS	
SUSAP	KCBFK3FR36	AOVR	030WAMETK3EA0EE	AR HF		35650040	+	03000				A JS	
SUSAP	KCBFK3FR36	R	010WAMETK3EA0E	I IF			+	03000		18000		A JS	
SUSAP	KCBFK3FR36	R	020JATINK3EA1E	F 051TF		35650061	+	02900			RW36 K3PGA	JS	
SUSAP	KCBFK3FR36	R	020JATINK3EA2WALPV		ALNAV/VNAV ALNAV							JS	
SUSAP	KCBFK3FR36	R	021HODINK3EA0E	S 031TF		35650034	V	0182001833		-300		A JS	
SUSAP	KCBFK3FR36	R	030RW36 K3PG0GY	M 031TF		35650017		01292		-300		A JS	
SUSAP	KCBFK3FR36	R	040	O M CA		3565	+	01445				A JS	
SUSAP	KCBFK3FR36	R	050IPOREK3EA0EY	DF			+	03000				A JS	
SUSAP	KCBFK3FR36	R	060IPOREK3EA0EE	R HM		17650040	+	03000				A JS	

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

CITY AND STATE
COUNCIL BLUFFS, IA

ELEVATION: 1245	TDZE: 1245
AIRPORT NAME: COUNCIL BLUFFS MUNI	

FACILITY
IDENTIFIER:

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
RNAV (GPS) RWY 36, AMDT 2
 13 NOVEMBER 2014

SUP:	
AMDT:	1
DATED:	07/29/2010

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

[illegible]

SUP:	
AMDT:	1
DATED:	07/29/2010

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

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ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	EMEND	EMEND	010		IF		FB					
	EMEND	VOHBU	020	IAF	TF		FB	2.0	261.8 (266.8T)	008.6	AA 03000	
	EMEND	WAMET	030		TF		FB	1.0	266.6 (271.6T)	006.4	AA 03000	
	MEPWE	MEPWE	010		IF		FB					
	MEPWE	CAVIP	020	IAF	TF		FB	2.0	092.1 (097.1T)	007.8	AA 03000	
	MEPWE	WAMET	030		TF		FB	1.0	086.4 (091.4T)	006.4	AA 03000	
	OVR	OVR	010		IF		FB					
	OVR	WAMET	020		TF		FO	2.0	186.8 (191.8T)	006.1	AA 03000	
	OVR	WAMET	030	IAF	HF	R	FO		356.5 (001.5T)	004.0	AA 03000	
		WAMET	010	FACF	IF		FB				AA 03000	
		JATIN	020	FAF	TF		FB	0.5	356.5 (001.5T)	006.1	AA 02900	
		HODIN	021	SDF	TF		FB	0.3	356.5 (001.5T)	003.4	AA 01820	GS 01833
		RW36	030	MAP	TF		FO	0.3	356.5 (001.5T)	001.7	AT 01292	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		356.5 (001.5T)		AA 01445	
	IPORE	050		DF		FO				AA 03000	
	IPORE	060		HM	R	FO		176.5 (181.5T)	004.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	OVR	N411001.80	W0954412.67	N4110.030	W09544.211
	CAVIP	N410411.16	W0955423.01	N4104.186	W09554.384
	EMEND	N410419.58	W0952600.59	N4104.326	W09526.010
	HODIN	N411330.67	W0954532.23	N4113.511	W09545.537
	IPORE	N412720.87	W0954502.78	N4127.348	W09545.046
	JATIN	N411009.70	W0954539.33	N4110.162	W09545.656
	MEPWE	N410509.57	W0960437.99	N4105.160	W09604.633
	VOHBU	N410350.51	W0953721.68	N4103.842	W09537.361
	WAMET	N410401.15	W0954552.32	N4104.019	W09545.872
	RW36	N411512.69	W0954528.62	N4115.212	W09545.477

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW36	01242	50

CITY AND STATE
COUNCIL BLUFFS, IA

ELEVATION: 1245
AIRPORT NAME:
COUNCIL BLUFFS MUNI

TDZE: 1245

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
RNAV (GPS) RWY 36, AMDT 2
13 NOVEMBER 2014

SUP:

AMDT: 1

DATED: 07/29/2010

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION VOR/DME STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.23								Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.											
TERMINAL ROUTES										MISSED APPROACH									
FROM		TO		COURSE AND DISTANCE				ALTITUDE		MAP: SPW VOR/DME CLIMB TO 3000, THEN RIGHT TURN DIRECT SPW VOR/DME, THEN ON SPW VOR/DME R-307 TO STAPF/SPW 6.00 DME AND HOLD. ADDITIONAL FLIGHT DATA: HOLD NW, RT, 126.97 INBOUND. CHART FAS OBST: 1479 TREE 431100N/0951455W OBST: 1649 AAO 431430N/0951800W CHART VDP AT 1.84 DME DISTANCE VDP TO THLD 1.13 MILES. CHART SPW R-049 AT DOSNY. CHART SPW R-215 AT FEDVO. STAPF TO RW12: 2.89/40. FAC CROSSES RWY C/L EXTENDED 3306 FROM THLD.									
FEDVO/SPW VOR/DME 14.00 DME		SPW VOR/DME		035.16 / 14.00				3100											
DOSNY/SPW 14.00 DME		SPW VOR/DME		229.08 / 14.00				3100											
SPW VOR/DME		STAPF/SPW 6.00 DME		306.97 / 6.00				3100											
DOSNY/SPW 14.00 DME CCW (IAF)		HETLA/SPW 14.00 DME (NOPT)		14.00 DME ARC				3100											
FEDVO/SPW 14.00 DME CW (IAF)		HETLA/SPW 14.00 DME (NOPT)		14.00 DME ARC				3100											
HETLA/SPW 14.00 DME (IF)		STAPF/SPW 6.00 DME		126.97 / 8.00 (SPW R-127)				3000											
1. PT <u>L</u> SIDE OF COURSE <u>306.97</u> OUTBOUND <u>3100</u> FT WITHIN <u>10</u> MILES OF <u>STAPF</u> (IAF) 2. _____ 3. FAC <u>126.97</u> FAF <u>STAPF/SPW 6.00 DME</u> DIST FAF TO MAP _____ THLD <u>5.29</u> 4. MIN. ALT <u>STAPF 3000</u> 8. MSA FROM: <u>SPW VOR/DME 3200</u>																MAG VAR: 5E		EPOCH YEAR: 1985	
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-12	1740	1/2	401	1740	1/2	401	1740	3/4	401	1740	3/4	401							
CIRCLING	1780	1	441	1800	1	461	1800	1 1/2	461	2040	2 1/4	701							
NOTES: CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ESTHERVILLE ALTIMETER SETTING AND INCREASE ALL MDA 60 FEET, INCREASE S-12 CAT C/D AND CIRCLING CAT D VISIBILITY 1/4 MILE. CHART NOTE: FOR INOPERATIVE MALSR, WHEN USING ESTHERVILLE ALTIMETER SETTING INCREASE CAT C/D (SEE FORM 8260-10)																			
CITY AND STATE		ELEVATION: 1339 TDZE: 1339		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP		VOR RWY 12							
SPENCER, IA		AIRPORT NAME:		SPENCER MUNI		SPW		VOR/DME RWY 12, AMDT 3A 13 NOVEMBER 2014				AMDT		3					
												DATE		06/03/2010					

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.

NOTES, (CONT.):

VISIBILITY TO 1 3/8 MILE.

CHART NOTE: VDP NA WHEN USING ESTHERVILLE ALTIMETER SETTING.

CITY AND STATE

SPENCER, IA

ELEVATION: 1339

TDZE: 1339

AIRPORT NAME:

SPENCER MUNI

FACILITY
IDENTIFIER:

SPW

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

VOR/DME RWY 12, AMDT 3A
13 NOVEMBER 2014

SUP: VOR RWY 12

AMDT: 3

DATED: 06/03/2010

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION VOR/DME STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.23								Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.											
TERMINAL ROUTES										MISSED APPROACH									
FROM		TO		COURSE AND DISTANCE				ALTITUDE		MAP: SPW VOR/DME									
MILSS INT		SPW VOR/DME		230.98 / 11.00				3000		CLIMB TO 3000, THEN LEFT TURN DIRECT SPW VOR/DME, THEN ON SPW VOR/DME R-112 TO ZUNMU/SPW 5.30 DME AND HOLD.									
SPW VOR/DME		ZUNMU/SPW 5.30 DME		111.94 / 5.30				3000											
MILSS INT/11.00 DME CW (IAF)		SPW R-112/11.00 DME (NOPT)		11.00 DME ARC				3000											
RITTA/11.00 DME CCW (IAF)		SPW R-112/11.00 DME (NOPT)		11.00 DME ARC				3000											
SPW R-112/11.00 DME (IF)		ZUNMU/SPW 5.30 DME		291.94 / 5.70 (SPW R-112)				3000											
										ADDITIONAL FLIGHT DATA: HOLD E, LT, 292.00 INBOUND. CHART FAS OBST: 1764 TOWER 430647N/0950653W CHART VDP AT 2.44 DME DISTANCE VDP TO THLD 2.22 MILES. CHART SPW R-051 AT MILSS. CHART SPW R-213 AT RITTA. ZUNMU TO RW30: 3.01/40. CHART TDZE 1338. FAC CROSSES RWY C/L EXTENDED 3345 FROM THLD.									
1. PT <u>R</u> SIDE OF COURSE <u>111.94</u> OUTBOUND <u>3000</u> FT WITHIN <u>10</u> MILES OF <u>ZUNMU</u> (IAF) 2. _____ 3. FAC <u>291.94</u> FAF ZUNMU/SPW 5.30 DME DIST FAF TO MAP _____ THLD <u>5.08</u> 4. MIN. ALT <u>ZUNMU 3000</u> 8. MSA FROM: SPW VOR/DME 3200																MAG VAR: 5E		EPOCH YEAR: 1985	
MINIMUMS																			
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT								ALTERNATE: N A		STANDARD @									
CATEGORY =====>		A			B			C			D			E					
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA				
S-30	2080	1	742	2080	1 1/4	742	2080	2	742	2080	2	742							
CIRCLING	2080	1	741	2080	1 1/4	741	2080	2 1/4	741	2080	2 1/2	741							
NOTES: CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ESTHERVILLE ALTIMETER SETTING AND INCREASE ALL MDA 60 FEET, INCREASE S-30 CAT C/D VISIBILITY 1/2 MILE. CHART NOTE: VDP NA WHEN USING ESTHERVILLE ALTIMETER SETTING.																			
CITY AND STATE SPENCER, IA		ELEVATION: 1339 AIRPORT NAME: SPENCER MUNI		TDZE: 1338		FACILITY IDENTIFIER: SPW		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: VOR/DME RWY 30, AMDT 3B 13 NOVEMBER 2014				SUP VOR RWY 30							
												AMDT 3A							
												DATE 03/11/2010							

**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									
WEGEE		MUKFU (FB)		082.17 / 33.10				3000		LP: RW31 LNAV: RW31							
MUKFU (IAF)		LOFWU (NOPT) (FB)		013.43 / 6.50				2500		CLIMB TO 2500 DIRECT KOXVU AND HOLD.							
LOFWU (IF/IAF)		AGOSE (FB)		313.44 / 4.87				2400									
AGOSE (FAF)		OYEGI/2.10 NM TO RW31 (FB)		313.37 / 3.03													
OYEGI/2.10 NM TO RW31		RW31 (MAP) (FO)		313.37 / 2.10													
RW31 (MAP)		1127 MSL		313.37				2500		ADDITIONAL FLIGHT DATA: HOLD NW, RT, 133.23 INBOUND. CHART FAS OBST: 860 TOWER 384942N/0862506W WAAS CHANNEL # 97525 REFERENCE PATH ID: W31A CHART CIRCLING ICON LTP HAE: 187.4 M							
1127 MSL		KOXVU (FO)															
1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF) 2. HOLD SE LOFWU, RT, 313.44 INBOUND, 2500 FT. IN LIEU OF PT (IAF) 3. FAC: 313.37 FAF: AGOSE DIST FAF TO MAP: 5.13 THLD: 5.13 4. MIN. ALT: LOFWU 2500, AGOSE 2400, OYEGI/2.10 NM TO RW31 1420 5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT: 6. MIN GS INCPT: GS ALT AT: OM: MM: IM: 7. GS ANGLE: TCH: 34:1 IS NOT CLEAR 8. MSA FROM: RW31 2500																	
										MAG VAR: 4W EPOCH YEAR: 2010							
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		
LP MDA	1160	1	437	1160	1	437	1160	1 1/4	437	1160	1 1/4	437					
LNAV MDA	1180	1	457	1180	1	457	1180	1 3/8	457	1180	1 3/8	457					
CIRCLING	1220	1	493	1260	1	533	1380	1 3/4	653	1380	2	653					
NOTES: CHART NOTE: DME/DME RNP-0.3 NA. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT WEGEE ON V305 SOUTHWEST BOUND. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE BLOOMINGTON ALTIMETER SETTING AND INCREASE ALL MDA 80 FEET; INCREASE ALL CAT C/D VISIBILITIES 1/4 MILE. (SEE FORM 8260-10)																	
CITY AND STATE				ELEVATION: 727 THRE: 723				FACILITY IDENTIFIER:				PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:	
BEDFORD, IN				AIRPORT NAME:				RNAV				RNAV (GPS) RWY 31, AMDT 1 13 NOVEMBER 2014				AMDT: ORIG	
				VIRGIL I GRISSOM MUNI												DATED 08/25/2011	

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

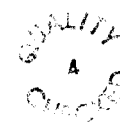
Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except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

NOTES, (CONT.):

CHART NOTE: PROCEDURE NA AT NIGHT.

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

CHART PROFILE NOTE: DESCENT ANGLE NA.



CITY AND STATE

BEDFORD, IN

ELEVATION: 727

THRE: 723

AIRPORT NAME:

VIRGIL I GRISSOM MUNI

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 31, AMDT 1

13 NOVEMBER 2014

SUP:

AMDT: ORIG

DATED: 08/25/2011

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

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

FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KBFR
RUNWAY	RW31
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W31A
LTP/FTP LATITUDE	385015.8995N
LTP/FTP LONGITUDE	0862625.8215W
LTP/FTP ELLIPSOIDAL HEIGHT	+01874
FPAP LATITUDE	385112.4025N
FPAP LONGITUDE	0862754.0595W
THRESHOLD CROSSING HEIGHT (TCH)	00000.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	00.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1376
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	0.0

<u>CRC REMAINDER</u>	061F957D

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+02205
FPAP ORTHOMETRIC HEIGHT	+02205

CITY AND STATE	
BEDFORD, IN	

ELEVATION: 727	THRE: 723
AIRPORT NAME:	
VIRGIL I GRISSOM MUNI	

FACILITY IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 31, AMDT 1
13 NOVEMBER 2014

SUP:	
AMDT:	ORIG
DATED:	08/25/2011

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

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

ARINC PACKET - 424-18 - RNAV (GPS)

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

CITY AND STATE
BEDFORD, IN

ELEVATION: 727	THRE: 723
AIRPORT NAME: VIRGIL GRISSOM MUNI	

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
RNAV (GPS) RWY 31, AMDT 1
 13 NOVEMBER 2014

SUP:	
AMDT:	ORIG
DATED:	08/25/2011

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

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

SUSAP KBFRK5SRW31 KSPG

0 18018002525

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CITY AND STATE
BEDFORD, IN

ELEVATION: **727** THRE: **723**
AIRPORT NAME:
VIRGIL I GRISSOM MUNI

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
RNAV (GPS) RWY 31, AMDT 1
13 NOVEMBER 2014

SUP:
AMDT: **ORIG**
DATED: **08/25/2011**

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

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

ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	LOFWU	LOFWU	010	IAF	HF	R	FO		313.4 (309.4T)	004.0	AA 02500	
	WEGEE	WEGEE	010		IF		FB					
	WEGEE	MUKFU	020	IAF	TF		FB	2.0	082.2 (078.2T)	033.1	AA 03000	
	WEGEE	LOFWU	030		TF		FB	1.0	013.4 (009.4T)	006.5	AA 02500	
		LOFWU	010	FACF	IF		FB				AA 02500	
		AGOSE	020	FAF	TF		FB	0.5	313.4 (309.4T)	004.9	AA 02400	
		OYEGI	021	SDF	TF		FB	0.3	313.4 (309.4T)	003.0	AA 01420	
		RW31	030	MAP	TF		FO	0.3	313.4 (309.4T)	002.1	AT 01180	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		313.4 (309.4T)		AA 01127	
	KOXVU	050		DF		FO				AA 02500	
	KOXVU	060		HM	R	FO		133.2 (129.2T)	004.0	AA 02500	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	AGOSE	N384700.65	W0862121.43	N3847.011	W08621.357
	KOXVU	N385704.23	W0863704.84	N3857.071	W08637.081
	LOFWU	N384354.85	W0861632.72	N3843.914	W08616.545
	MUKFU	N383729.74	W0861754.34	N3837.496	W08617.906
	OYEGI	N384855.96	W0862421.11	N3848.933	W08624.352
	WEGEE	N383049.58	W0865915.00	N3830.826	W08659.250
	RW31	N385015.90	W0862625.82	N3850.265	W08626.430

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW31	00723	00

CITY AND STATE BEDFORD, IN	ELEVATION: 727	THRE: 723	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME: VIRGIL I GRISSOM MUNI			RNAV (GPS) RWY 31, AMDT 1	AMDT: ORIG
				13 NOVEMBER 2014	DATED: 08/25/2011

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
GPS OR 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 13 NOVEMBER 2014

QUALITY
9
CHECKED

CITY AND STATE GARDNER, KS	ELEVATION: 1042	TDZE:	FACILITY IDENTIFIER: IX	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: NDB OR GPS-D, AMDT 2A, 04/20/2000	SUP
	AIRPORT NAME:				AMDT 2
	GARDNER MUNI				DATE 08/23/1990

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.
GARDNER, KS	GARDNER MUNI	04/08/2010	ORIG-A

TAKEOFF MINIMUMS:

PROCEDURE CANCELLED EFFECTIVE 13 NOVEMBER 2014

TEXTUAL DEPARTURE PROCEDURES:

TAKEOFF OBSTACLE NOTES:

CONTROLLING OBSTACLES:

QUALITY
CHECKED

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION		RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33		Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.								
TERMINAL ROUTES				MISSED APPROACH								
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LP: RW05 LNAV: RW05 CLIMB TO 4000 DIRECT JUSRO AND HOLD, CONTINUE CLIMB-IN-HOLD TO 4000. ADDITIONAL FLIGHT DATA: HOLD NE, RT, 226.93 INBOUND. CHART FAS OBST: 759 TREE 422033N/0861551W CHART 920 TOWER 421927N/0861757W. CHART CIRCLING ICON WAAS CHANNEL # 50324 REFERENCE PATH ID: W05A LTP HAE: 165.3 M								
PMM VOR/DME	SUSOY (FO)	227.06 / 22.57	4000									
ELX VOR/DME	SUSOY (FO)	284.64 / 15.21	4000									
ZIMEG (IAF)	SUSOY (NOPT) (FB)	022.30 / 7.90	4000									
YOLUR (IAF)	SUSOY (NOPT) (FB)	073.18 / 7.90	4000									
SUSOY (IF/IAF)	NODCI (FB)	046.66 / 7.00	2500									
NODCI	LIVTE/2.10 NM TO RW05 (FB)	046.73 / 3.58										
(SEE FORM 8260-10)												
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD SW SUSOY, RT, 046.66 INBOUND, 4000 FT. IN LIEU OF PT (IAF) 3. FAC: 046.73 FAF: NODCI DIST FAF TO MAP: 5.68 THLD: 5.68 4. MIN. ALT: SUSOY 4000, NODCI 2500, LIVTE/2.10 NM TO RW05 1360 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: _____ GS ALT AT: _____ OM: _____ MM: _____ IM: _____ 7. GS ANGLE: _____ TCH: 34:1 IS NOT CLEAR 8. MSA FROM: RW05 2500												
				MAG VAR: 3W EPOCH YEAR: 1985								
MINIMUMS												
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT			ALTERNATE: N A		STANDARD @							
CATEGORY =====>	A		B		C		D		E			
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LP MDA	1020	1	361	1020	1	361	1020	1	361			
LNAV MDA	1020	1	361	1020	1	361	1020	1	361			
CIRCLING	1120	1	454	1140	1	474	1280	1 3/4	614	1520	2 3/4	854
NOTES: CHART NOTE: DME/DME RNP-0.3 NA. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON PMM VOR/DME AIRWAY RADIALS 243 CW 303. CHART PROFILE NOTE: DESCENT ANGLE NA. CHART NOTE: PROCEDURE NA AT NIGHT. (SEE FORM 8260-10)												
CITY AND STATE SOUTH HAVEN, MI		ELEVATION: 666 TDZE: 659 AIRPORT NAME: SOUTH HAVEN AREA RGNL		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 5, AMDT 1B 13 NOVEMBER 2014				SUP: RNAV (GPS) RWY 4 AMDT: 1A DATED 08/25/2011		

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.):

<u>FROM</u>	<u>TO</u>	<u>COURSE AND DISTANCE</u>	<u>ALTITUDE</u>
LIVTE/2.10 NM TO RW05	RW05 (MAP) (FO)	046.77 / 2.10	
RW05 (MAP)	1020 MSL	046.77	
1020 MSL	JUSRO (FO)		

NOTES, (CONT.):

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE BENTON HARBOR ALTIMETER SETTING AND INCREASE ALL MDA 40 FEET; INCREASE LP AND LNAV CATS C AND D VISIBILITY 1/8 MILE AND CIRCLING CAT

D VISIBILITY 1/4 MILE.

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

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT ZIMEG ON V116 WEST BOUND.

CHART NOTE: CIRCLING NA TO RWYS 14 AND 32.

CITY AND STATE
SOUTH HAVEN, MI

ELEVATION: 666 TDZE: 659
AIRPORT NAME:
SOUTH HAVEN AREA RGNL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 5, AMDT 1B
13 NOVEMBER 2014

SUP: RNAV (GPS) RWY 4
AMDT: 1A
DATED: 08/25/2011

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

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

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

OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KLWA
RUNWAY	RW05
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W05A
LTP/FTP LATITUDE	422052.2530N
LTP/FTP LONGITUDE	0861536.1660W
LTP/FTP ELLIPSOIDAL HEIGHT	+01653
FPAP LATITUDE	422156.5800N
FPAP LONGITUDE	0861413.0000W
THRESHOLD CROSSING HEIGHT (TCH)	00000.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	00.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1288
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	0.0

CRC REMAINDER

74DF7C86

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+01987
FPAP ORTHOMETRIC HEIGHT	+01987

CITY AND STATE

SOUTH HAVEN, MI

ELEVATION: 666

TDZE: 659

AIRPORT NAME:

SOUTH HAVEN AREA RGNL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 5, AMDT 1B

13 NOVEMBER 2014

SUP: RNAV (GPS) RWY 4

AMDT: 1A

DATED: 08/25/2011

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

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

[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KLWAK5FR05	AELX	010ELX	K5D	0V	IF					18000		A	JS
SUSAP KLWAK5FR05	AELX	020SUSOYK5EA0EY	020TF			28460152		+ 04000				A	JS
SUSAP KLWAK5FR05	AELX	030SUSOYK5EA0EE	AR	HF		04670040		+ 04000				A	JS
SUSAP KLWAK5FR05	APMM	010PMM	K5D	0V	IF					18000		A	JS
SUSAP KLWAK5FR05	APMM	020SUSOYK5EA0EY	020TF			22710226		+ 04000				A	JS
SUSAP KLWAK5FR05	APMM	030SUSOYK5EA0EE	AR	HF		04670040		+ 04000				A	JS
SUSAP KLWAK5FR05	AYOLUR	010YOLURK5EA0E	A	IF						18000		A	JS
SUSAP KLWAK5FR05	AYOLUR	020SUSOYK5EA0EE	B	010TF		07320079		+ 04000				A	JS
SUSAP KLWAK5FR05	AZIMEG	010ZIMEGK5EA0E	A	IF						18000		A	JS
SUSAP KLWAK5FR05	AZIMEG	020SUSOYK5EA0EE	B	010TF		02230079		+ 04000				A	JS
SUSAP KLWAK5FR05	R	010SUSOYK5EA0E	I	IF				+ 04000		18000		A	JS
SUSAP KLWAK5FR05	R	020NODCIK5EA1E	F	051TF		04670070		+ 02500			RW05	K5PGA	JS
SUSAP KLWAK5FR05	R	020NODCIK5EA2WALP			N		ALNAV						JS
SUSAP KLWAK5FR05	R	021LIVTEK5EA0E	S	031TF		04670036		+ 01360				A	JS
SUSAP KLWAK5FR05	R	030RW05	K5PG0GY	M	031TF	04680021		01020		000		A	JS

CITY AND STATE SOUTH HAVEN, MI	ELEVATION: 666	TDZE: 659	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 5, AMDT 1B 13 NOVEMBER 2014	SUP: RNAV (GPS) RWY 4
	AIRPORT NAME:				AMDT: 1A
	SOUTH HAVEN AREA RGNL				DATED: 08/25/2011

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

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

[illegible]

SUP:	RNAV (GPS) RWY 4
AMDT:	1A
DATED:	08/25/2011

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.								
TERMINAL ROUTES				MISSED APPROACH								
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LP: RW23 LNAV: RW23 CLIMB TO 4000 DIRECT SUSOY AND HOLD. CONTINUE CLIMB-IN-HOLD TO 4000. ADDITIONAL FLIGHT DATA: HOLD SW, RT, 046.66 INBOUND. CHART FAS OBST: 809 TREE 422126N/0861420W CHART FAS OBST: 799 TREE 422139N/0861424W WAAS CHANNEL # 97524 REFERENCE PATH ID: W23A CHART CIRCLING ICON LTP HAE: 169.5 M								
ELX VOR/DME	JUSRO (FO)	011.31 / 22.11	4000									
OSEGO	ZUBON (FB)	286.89 / 13.30	4000									
RAINE	JUSRO (FO)	096.05 / 20.22	4000									
ZEELE	RURDE (FB)	180.54 / 14.65	4000									
ZUBON (IAF)	JUSRO (NOPT) (FB)	272.04 / 7.20	4000									
RURDE (IAF)	JUSRO (NOPT) (FB)	181.93 / 7.00	4000									
JUSRO (IF/IAF)	KIDTE (FB)	226.93 / 7.00	2500									
(SEE FORM 8260-10)												
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD NE JUSRO, RT, 226.93 INBOUND, 4000 FT. IN LIEU OF PT (IAF) 3. FAC: <u>226.86</u> FAF: <u>KIDTE</u> DIST FAF TO MAP: <u>5.63</u> THLD: <u>5.63</u> 4. MIN. ALT: <u>JUSRO 4000, KIDTE 2500, PIXOE/2.50 NM TO RW23 1500</u> 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: <u>34:1 IS NOT CLEAR</u> 8. MSA FROM: <u>RW23 2500</u>												
				MAG VAR: 3W EPOCH YEAR: 1985								
MINIMUMS												
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE: N A		STANDARD @						
CATEGORY =====>	A		B		C		D		E			
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LP MDA	1060	1	394	1060	1	394	1060	1 1/8	394	1060	1 1/8	394
LNAV MDA	1060	1	394	1060	1	394	1060	1 1/8	394	1060	1 1/8	394
CIRCLING	1120	1	454	1140	1	474	1280	1 3/4	614	1520	2 3/4	854
NOTES: CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: PROCEDURE NA AT NIGHT. CHART PROFILE NOTE: DESCENT ANGLE NA. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE BENTON HARBOR ALTIMETER SETTING AND (SEE FORM 8260-10) @ CAT D 900-2 3/4 @ NA WHEN LOCAL WEATHER NOT AVAILABLE.												
CITY AND STATE		ELEVATION: 666 TDZE: 666		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:		SUP: RNAV (GPS) RWY 22				
SOUTH HAVEN, MI		AIRPORT NAME: SOUTH HAVEN AREA RGNL				RNAV (GPS) RWY 23, AMDT 1B 13 NOVEMBER 2014		AMDT: 1A				
								DATED 08/25/2011				

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

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TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
KIDTE	PIXOE/2.50 NM TO RW23 (FB)	226.86 / 3.13	1500
PIXOE/2.50 NM TO RW23	RW23 (MAP) (FO)	226.86 / 2.50	
RW23 (MAP)	1060 MSL		
1060 MSL	SUSOY (FO)		4000

NOTES, (CONT.):

INCREASE ALL MDA 40 FEET; INCREASE LP AND LNAV CATS C AND D VISIBILITY 1/8 MILE AND CIRCLING CAT D VISIBILITY 1/4 MILE.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT ELX VOR/ DME AIRWAY RADIALS 002 CW 077.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT RAINE ON V215 SOUTHWEST BOUND.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT ZEELE ON V55 NORTHBOUND.

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

CHART NOTE: CIRCLING NA TO RWYS 14 AND 32.

CITY AND STATE
 SOUTH HAVEN, MI

ELEVATION: 666 TDZE: 666
 AIRPORT NAME:
 SOUTH HAVEN AREA RGNL

FACILITY
 IDENTIFIER:
 RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
 RNAV (GPS) RWY 23, AMDT 1B
 13 NOVEMBER 2014

SUP: RNAV (GPS) RWY 22
 AMDT: 1A
 DATED: 08/25/2011

**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	KLWA
RUNWAY	RW23
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W23A
LTP/FTP LATITUDE	422126.4845N
LTP/FTP LONGITUDE	0861451.9225W
LTP/FTP ELLIPSOIDAL HEIGHT	+01695
FPAP LATITUDE	422022.1400N
FPAP LONGITUDE	0861615.0800W
THRESHOLD CROSSING HEIGHT (TCH)	00000.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	00.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1288
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	0.0

CRC REMAINDER

ADCD95D1

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+02029
FPAP ORTHOMETRIC HEIGHT	+02029

CITY AND STATE

SOUTH HAVEN, MI

ELEVATION: 666

TDZE: 666

AIRPORT NAME:

SOUTH HAVEN AREA RGNL

 FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 23, AMDT 1B

13 NOVEMBER 2014

SUP: RNAV (GPS) RWY 22

AMDT: 1A

DATED: 08/25/2011

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

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[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KLWAK5FR23	AELX	010ELX	K5D 0V	IF					18000		A JS	
SUSAP	KLWAK5FR23	AELX	020JUSROK5EA0EY	020TF		01130221		+ 04000				A JS	
SUSAP	KLWAK5FR23	AELX	030JUSROK5EA0EE	AR HF		22690040		+ 04000				A JS	
SUSAP	KLWAK5FR23	AOSEGO	010OSEGOK5EA0E	IF						18000		A JS	
SUSAP	KLWAK5FR23	AOSEGO	020ZUBONK5EA0E	A 020TF		28690133		+ 04000				A JS	
SUSAP	KLWAK5FR23	AOSEGO	030JUSROK5EA0EE	B 010TF		27200072		+ 04000				A JS	
SUSAP	KLWAK5FR23	ARAIN	010RAINEK5EA0E	IF						18000		A JS	
SUSAP	KLWAK5FR23	ARAIN	020JUSROK5EA0EY	020TF		09610202		+ 04000				A JS	
SUSAP	KLWAK5FR23	ARAIN	030JUSROK5EA0EE	AR HF		22690040		+ 04000				A JS	
SUSAP	KLWAK5FR23	AZEELE	010ZEELEK5EA0E	IF						18000		A JS	
SUSAP	KLWAK5FR23	AZEELE	020RURDEK5EA0E	A 020TF		18050147		+ 04000				A JS	
SUSAP	KLWAK5FR23	AZEELE	030JUSROK5EA0EE	B 010TF		18190070		+ 04000				A JS	
SUSAP	KLWAK5FR23	R	010JUSROK5EA0E	I IF				+ 04000		18000		A JS	

CITY AND STATE SOUTH HAVEN, MI	ELEVATION: 666	TDZE: 666	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 23, AMDT 1B 13 NOVEMBER 2014	SUP: RNAV (GPS) RWY 22
	AIRPORT NAME:				AMDT: 1A
	SOUTH HAVEN AREA RGNL				DATED: 08/25/2011

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

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

SUSAP	KLWAK5FR23	R	020KIDTEK5EA1E	F	051TF		22690070	+	02500		RW23	K5PGA	JS
SUSAP	KLWAK5FR23	R	020KIDTEK5EA2WALP			N	ALNAV						JS
SUSAP	KLWAK5FR23	R	021PIXOEK5EA0E	S	031TF		22690031	+	01500				A JS
SUSAP	KLWAK5FR23	R	030RW23	K5PGOGY	M	031TF		22690025		01060	000		A JS
SUSAP	KLWAK5FR23	R	040		0	M	CA	2269	+	01060			A JS
SUSAP	KLWAK5FR23	R	050SUSOYK5EA0EY		DF				+	04000			A JS
SUSAP	KLWAK5FR23	R	060SUSOYK5EA0EE	R	HM		04670040	+	04000				A JS

SUSAP KLWAK5GRW23 0048012268 N42212648W086145192-0300 +0169500666000000075R

SUSAP KLWAK5PR23	RW23	001	0000W23A0N4221264845W08614519225+016950000N4220221400W08616150800106751288000000F400000ADCD95D1
SUSAP KLWAK5PR23	RW23	002E	+02029+02029LP 97524

SUSAP KLWAK5SRW23 K5PG	0	18018002525	M

ELEVATION: 666	TDZE: 666
AIRPORT NAME:	
SOUTH HAVEN AREA RGNL	

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 23, AMDT 1B
13 NOVEMBER 2014

SUP:	RNAV (GPS) RWY 22
AMDT:	1A
DATED:	08/25/2011

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: 3.09 MILES AFTER KIBBY INT/6.01 DME OR AT 9.10 DME FIX							
PMM VOR/DME (IF/IAF)		KIBBY INT/6.01 DME		224.31 / 6.01				1700		CLIMBING TO 2500 THEN CLIMBING LEFT TURN TO 4000 DIRECT PMM VOR/DME AND HOLD.							
										ADDITIONAL FLIGHT DATA:							
										FAS OBST: 869 AAO 422339N/0860939W KIBBY TO RW23: 3.03/40. CHART CIRCLING ICON							
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD NE PMM VOR/DME, RT, 224.31 INBOUND, 2500 FT. IN LIEU OF PT (IAF) 3. FAC 224.31 FAF KIBBY INT/6.01 DME _____ DIST FAF TO MAP 3.09 THLD 3.09 4. MIN. ALT PMM VOR/DME 2500, KIBBY 1700 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		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-23	1120	1	454	1120	1	454	1120	1 3/8	454	1120	1 3/8	454					
CIRCLING	1120	1	454	1140	1	474	1280	1 3/4	614	1520	2 3/4	854					
NOTES: CHART NOTE: PROCEDURE NA AT NIGHT. CHART PLANVIEW NOTE: NOPT FOR ARRIVAL ON PMM VOR/DME AIRWAY RADIALS 303 CW 112. CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE BENTON HARBOR ALTIMETER SETTING; (SEE FORM 8260-10)																	
CITY AND STATE		ELEVATION: 666 TDZE: 666		FACILITY IDENTIFIER: PMM		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP		VOR RWY 22					
SOUTH HAVEN, MI		AIRPORT NAME:		SOUTH HAVEN AREA RGNL		VOR RWY 23, AMDT 11A 13 NOVEMBER 2014				AMDT		11					
										DATE		05/05/2011					

**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.):

INCREASE ALL MDA 40 FEET AND CIRCLING CAT D VISIBILITY 1/4 MILE.

CHART NOTE: CIRCLING NA TO RWYS 14 AND 32.

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

CITY AND STATE

SOUTH HAVEN, MI

ELEVATION: 666

TDZE: 666

AIRPORT NAME:

SOUTH HAVEN AREA RGNL

FACILITY
IDENTIFIER:

PMM

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

VOR RWY 23, AMDT 11A

13 NOVEMBER 2014

SUP: VOR RWY 22

AMDT: 11

DATED: 05/05/2011

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.								
TERMINAL ROUTES								MISSED APPROACH				
FROM		TO		COURSE AND DISTANCE		ALTITUDE		LPV: DA LNAV/VNAV: DA LNAV: RW14 CLIMB TO 3000 DIRECT VOCAB AND HOLD. ADDITIONAL FLIGHT DATA: HOLD SE, RT, 327.93 INBOUND. CHART FAS OBST: 1430 WATER TWR 454349N/0945729W DISTANCE TO THLD FROM 250 HAT: 0.64 NM. CHART VDP AT 1.25 MILES TO RW14* *LNAV ONLY. WAAS CHANNEL # 97636 REFERENCE PATH ID: W14A CHART CIRCLING ICON LTP HAE: 351.5 M				
TESEE		ZERNU (FO)		340.49 / 11.33		3000						
ULJAB		ZERNU (FO)		033.19 / 10.91		3100						
OBARE		ZERNU (FO)		295.12 / 16.84		3000						
AXN VOR/DME (IAF)		ZERNU (NOPT) (FB)		124.71 / 9.05		3000						
ZERNU (IF/IAF)		YIKVU (FB)		147.74 / 5.71		2900						
YIKVU (FAF)		WETUB/2.10 NM TO RW14 (FB)		147.79 / 2.99								
(SEE FORM 8260-10)												
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF)								MAG VAR: 3E EPOCH YEAR: 2000				
2. HOLD NW ZERNU, RT, 147.74 INBOUND, 3000 FT. IN LIEU OF PT (IAF)												
3. FAC: <u>147.79</u> FAF: <u>YIKVU</u> DIST FAF TO MAP: <u>5.09</u> THLD: <u>5.09</u>												
4. MIN. ALT: <u>ZERNU 3000, YIKVU 2900, WETUB/2.10 NM TO RW14 1940*</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>2900</u> GS ALT AT: <u>YIKVU 2900</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>RW14 3600</u>												
MINIMUMS												
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT						ALTERNATE: N A		STANDARD @				
CATEGORY =====>		A		B		C		D		E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	1492	1	250	1492	1	250		NA			NA	
LNAV/VNAV DA	1500	1	258	1500	1	258		NA			NA	
LNAV MDA	1680	1	438	1680	1	438		NA			NA	
CIRCLING	1700	1	456	1740	1	496		NA			NA	
NOTES: CHART NOTE: BARO-VNAV NA WHEN USING GLENWOOD ALTIMETER SETTING. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17C (2F) OR ABOVE 54C (130F). CHART NOTE: DME/DME RNP-0.3 NA. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT TESEE ON V171 SOUTHEAST BOUND. (SEE FORM 8260-10)												
CITY AND STATE		ELEVATION: 1244 TDZE: 1242		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:		SUP:				
SAUK CENTRE, MN		AIRPORT NAME: SAUK CENTRE MUNI				RNAV (GPS) RWY 14, ORIG 13 NOVEMBER 2014		AMDT: NONE				
								DATED				

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

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TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
WETUB/2.10 NM TO RW14	RW14 (MAP) (FO)	147.79 / 2.10	
RW14 (MAP)	1492 MSL	147.79	
1492 MSL	VOCAB (FO)		3000

NOTES, (CONT.):

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT ULJAB ON V175 SOUTHBOUND.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT OBARE ON V2 SOUTHEAST BOUND.

*LNAV ONLY

CHART NOTE: VDP NA WITH GLENWOOD ALTIMETER SETTING.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE GLENWOOD ALTIMETER SETTING AND INCREASE ALL DA/MDA 60 FEET, INCREASE LNAV/VNAV ALL CATS VISIBILITY 1/8 MILE.

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

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON AXN VOR/DME AIRWAY RADIALS 103 CW 170.

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

CITY AND STATE

SAUK CENTRE, MN

ELEVATION: 1244

TDZE: 1242

AIRPORT NAME:

SAUK CENTRE MUNI

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 14, ORIG
13 NOVEMBER 2014

SUP:

AMDT: NONE

DATED:

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

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

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

OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	D39
RUNWAY	RW14
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W14A
LTP/FTP LATITUDE	454232.4270N
LTP/FTP LONGITUDE	0945611.0385W
LTP/FTP ELLIPSOIDAL HEIGHT	+03515
FPAP LATITUDE	454114.6400N
FPAP LONGITUDE	0945509.0910W
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	1744
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER

646655A4

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+03780
FPAP ORTHOMETRIC HEIGHT	+03780

CITY AND STATE
SAUK CENTRE, MN

ELEVATION: 1244 TDZE: 1242
AIRPORT NAME:
SAUK CENTRE MUNI

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 14, ORIG
13 NOVEMBER 2014

SUP:
AMDT: NONE
DATED:



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

[illegible]

WP	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAEENRT	OBARE	K30	C	L	N45440359W094422750			E0015	NAR		OBARE		
SUSAEENRT	TESEE	K30	C	L	N45410627W094590648			E0017	NAR		TESEE		
SUSAEENRT	ULJAB	K30	C	L	N45431029W095125594			E0019	NAR		ULJAB		
SUSAEENRT	VOCAB	K30	W		N45323800W094481915			E0016	NAR		VOCAB		
SUSAEENRT	WETUB	K30	W		N45442241W094573872			E0017	NAR		WETUB		
SUSAEENRT	YIKVU	K30	W		N45465878W094594358			E0017	NAR		YIKVU		
SUSAEENRT	ZERNU	K30	W		N45515786W095034301			E0018	NAR		ZERNU		

[illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP D39 K3FR14	AAXN	010AXN	K3D	OV	A	IF				18000		A	JS
SUSAP D39 K3FR14	AAXN	020ZERNUK3EA0EE	B	010TF			12470091	+	03000			A	JS
SUSAP D39 K3FR14	AOBARE	010OBAREK3EA0E		IF						18000		A	JS
SUSAP D39 K3FR14	AOBARE	020ZERNUK3EA0EY	020TF				29510168	+	03000			A	JS
SUSAP D39 K3FR14	AOBARE	030ZERNUK3EA0EE	AR	HF			14770040	+	03000			A	JS
SUSAP D39 K3FR14	ATESEE	010TESEEK3EA0E		IF						18000		A	JS
SUSAP D39 K3FR14	ATESEE	020ZERNUK3EA0EY	020TF				34050113	+	03000			A	JS
SUSAP D39 K3FR14	ATESEE	030ZERNUK3EA0EE	AR	HF			14770040	+	03000			A	JS
SUSAP D39 K3FR14	AULJAB	010ULJABK3EA0E		IF						18000		A	JS
SUSAP D39 K3FR14	AULJAB	020ZERNUK3EA0EY	020TF				03320109	+	03100			A	JS
SUSAP D39 K3FR14	AULJAB	030ZERNUK3EA0EE	AR	HF			14770040	+	03000			A	JS
SUSAP D39 K3FR14	R	010ZERNUK3EA0E	I	IF				+	03000	18000		A	JS
SUSAP D39 K3FR14	R	020YIKVUK3EA1E	F	051TF			14770057	+	02900		RW14	K3PGA	JS
SUSAP D39 K3FR14	R	020YIKVUK3EA2WALPV			ALNAV/VNAV	ALNAV							JS
SUSAP D39 K3FR14	R	021WETUBK3EA0E	S	031TF			14780030	V	0194001949	-300		A	JS
SUSAP D39 K3FR14	R	030RW14	K3PG0GY	M	031TF		14780021		01280	-300		A	JS
SUSAP D39 K3FR14	R	040		0	M	CA	1478	+	01492			A	JS
SUSAP D39 K3FR14	R	050VOCABK3EA0EY		DF				+	03000			A	JS
SUSAP D39 K3FR14	R	060VOCABK3EA0EE	R	HM			32790040	+	03000			A	JS

QUALITY
CHECKS

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

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[illegible]

QUALITY
9
CHECKS

CITY AND STATE SAUK CENTRE, MN	ELEVATION: 1244 TDZE: 1242 AIRPORT NAME: SAUK CENTRE MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
			RNAV (GPS) RWY 14, ORIG	AMDT: NONE
			13 NOVEMBER 2014	DATED:

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

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

ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
AXN		AXN	010	IAF	IF		FB					
AXN		ZERNU	020		TF		FB	1.0	124.7 (127.7T)	009.1	AA 03000	
OBARE		OBARE	010		IF		FB					
OBARE		ZERNU	020		TF		FO	2.0	295.1 (298.1T)	016.8	AA 03000	
OBARE		ZERNU	030	IAF	HF	R	FO		147.7 (150.7T)	004.0	AA 03000	
TESEE		TESEE	010		IF		FB					
TESEE		ZERNU	020		TF		FO	2.0	340.5 (343.5T)	011.3	AA 03000	
TESEE		ZERNU	030	IAF	HF	R	FO		147.7 (150.7T)	004.0	AA 03000	
ULJAB		ULJAB	010		IF		FB					
ULJAB		ZERNU	020		TF		FO	2.0	033.2 (036.2T)	010.9	AA 03100	
ULJAB		ZERNU	030	IAF	HF	R	FO		147.7 (150.7T)	004.0	AA 03000	
		ZERNU	010	FACF	IF		FB				AA 03000	
		YIKVU	020	FAF	TF		FB	0.5	147.7 (150.7T)	005.7	AA 02900	
		WETUB	021	SDF	TF		FB	0.3	147.8 (150.8T)	003.0	AA 01940 GS 01949	
		RW14	030	MAP	TF		FO	0.3	147.8 (150.8T)	002.1	AT 01280	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		147.8 (150.8T)		AA 01492	
	VOCAB	050		DF		FO				AA 03000	
	VOCAB	060		HM	R	FO		327.9 (330.9T)	004.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	AXN	N455730.20	W0951357.49	N4557.503	W09513.958
	OBARE	N454403.59	W0944227.50	N4544.060	W09442.458
	TESEE	N454106.27	W0945906.48	N4541.105	W09459.108
	ULJAB	N454310.29	W0951255.94	N4543.172	W09512.932
	VOCAB	N453238.00	W0944819.15	N4532.633	W09448.319
	WETUB	N454422.41	W0945738.72	N4544.374	W09457.645
	YIKVU	N454658.78	W0945943.58	N4546.980	W09459.726
	ZERNU	N455157.86	W0950343.01	N4551.964	W09503.717
	RW14	N454232.43	W0945611.04	N4542.541	W09456.184

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW14	01240	40

QUALITY
9
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CITY AND STATE SAUK CENTRE, MN	ELEVATION: 1244	TDZE: 1242	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 14, ORIG 13 NOVEMBER 2014	SUP:
	AIRPORT NAME: SAUK CENTRE MUNI				AMDT: NONE
					DATED:

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. Cellings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.											
TERMINAL ROUTES								MISSED APPROACH							
FROM		TO		COURSE AND DISTANCE		ALTITUDE		LPV: DA LNAV/VNAV: DA LNAV: RW32 CLIMB TO 3000 DIRECT ZERNU AND HOLD. ADDITIONAL FLIGHT DATA: HOLD NW, RT, 147.74 INBOUND. CHART FAS OBST: 1379 TREE 454141N/0945432W OBST: 1539 AAO 453828N/0945251W DISTANCE TO THLD FROM 250 HAT: 0.66 NM. CHART VDP AT 1.13 MILES TO RW32* *LNAV ONLY. WAAS CHANNEL # 56622 REFERENCE PATH ID: W32A CHART CIRCLING ICON LTP HAE: 351.4 M							
ARMUW		VOCAB (FO)		066.78 / 17.56		3000									
DWN VORTAC (IAF)		VOCAB (NOPT) (FB)		328.61 / 31.17		3000									
TLBAT (IAF)		WINIV (NOPT) (FB)		261.67 / 11.00		3300									
WINIV		VOCAB (FB)		261.47 / 8.67		3000									
VOCAB (IF/IAF)		BANVY (FB)		327.93 / 6.03		2800									
BANVY (FAF)		IYACA/1.80 NM TO RW32 (FB)		327.88 / 2.97											
(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 SE VOCAB, RT, 327.93 INBOUND, 3000 FT. IN LIEU OF PT (IAF) 3. FAC: <u>327.88</u> FAF: <u>BANVY</u> DIST FAF TO MAP: <u>4.77</u> THLD: <u>4.77</u> 4. MIN. ALT: <u>VOCAB 3000, BANVY 2800, IYACA/1.80 NM TO RW32 1840*</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>2800</u> GS ALT AT: <u>BANVY 2800</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>RW32 3600</u>								MAG VAR: 3E 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	1492	1	250	1492	1	250		NA			NA				
LNAV/VNAV DA	1541	1	299	1541	1	299		NA			NA				
LNAV MDA	1640	1	398	1640	1	398		NA			NA				
CIRCLING	1700	1	456	1740	1	496		NA			NA				
NOTES: CHART NOTE: BARO-VNAV NA WHEN USING GLENWOOD ALTIMETER SETTING. @ NA WHEN LOCAL WEATHER NOT AVAILABLE. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17C (2F) OR ABOVE 54C (130F). CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE GLENWOOD ALTIMETER SETTING AND INCREASE ALL DA/MDA 60 FEET, AND INCREASE LNAV/VNAV ALL CATS VISIBILITY 1/4 MILE. (SEE FORM 8260-10)															
CITY AND STATE SAUK CENTRE, MN			ELEVATION: 1244 TDZE: 1242 AIRPORT NAME: SAUK CENTRE MUNI			FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 32, AMDT 1 13 NOVEMBER 2014				SUP: AMDT: ORIG DATED 08/25/2011			

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

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TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
IYACA/1.80 NM TO RW32	RW32 (MAP) (FO)	327.88 / 1.80	
RW32 (MAP)	1492 MSL	327.88	
1492 MSL	ZERNU (FO)		3000

NOTES, (CONT.):

CHART NOTE: DME/DME RNP-0.3 NA.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT ARMUW ON V175 SOUTHBOUND.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT TLBAT ON V2 SOUTHEAST BOUND.

*LNAV ONLY

CHART NOTE: VDP NA WITH GLENWOOD ALTIMETER SETTING.

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

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON DWN VORTAC AIRWAY RADIALS 261 CW 321.

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

CITY AND STATE

SAUK CENTRE, MN

ELEVATION: 1244

TDZE: 1242

AIRPORT NAME:

SAUK CENTRE MUNI

FACILITY IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 32, AMDT 1

13 NOVEMBER 2014

SUP:

AMDT: ORIG

DATED: 08/25/2011

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

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

FAS DATA BLOCK INFORMATION**DATA FIELD**

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
D39
RW32
0
0
W32A
454204.0190N
0945548.4060W
+03514
454321.8045N
0945650.3725W
00040.0
F
03.00
106.75
1744
40.0
50.0

CRC REMAINDER

A3526668

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE
LTP ORTHOMETRIC HEIGHT
FPAP ORTHOMETRIC HEIGHT

K3
+03780
+03780

CITY AND STATE

SAUK CENTRE, MN

ELEVATION: 1244

TDZE: 1242

AIRPORT NAME:

SAUK CENTRE MUNI

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 32, AMDT 1

13 NOVEMBER 2014

SUP:

AMDT: ORIG

DATED: 08/25/2011

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

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ARINC PACKET - 424-18 - RNAV (GPS)

[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP D39 K3FR32	AARMUW	010ARMUWK3EA0E	IF							18000		A JS	
SUSAP D39 K3FR32	AARMUW	020VOCABK3EA0EY	020TF			06680176	+	03000				A JS	
SUSAP D39 K3FR32	AARMUW	030VOCABK3EA0EE	AR HF			32790040	+	03000				A JS	
SUSAP D39 K3FR32	ADWN	010DWN K3D 0V	A IF							18000		A JS	
SUSAP D39 K3FR32	ADWN	020VOCABK3EA0EE	B 010TF			32860312	+	03000				A JS	
SUSAP D39 K3FR32	ATLBAT	010TLBATK3EA0E	A IF							18000		A JS	
SUSAP D39 K3FR32	ATLBAT	020WINIVK3EA0E	010TF			26170110	+	03300				A JS	
SUSAP D39 K3FR32	ATLBAT	030VOCABK3EA0EE	B 010TF			26150087	+	03000				A JS	
SUSAP D39 K3FR32	R	010VOCABK3EA0E	I IF				+	03000		18000		A JS	
SUSAP D39 K3FR32	R	020BANVYK3EA1E	F 051TF			32790060	+	02800			RW32 K3PGA	JS	
SUSAP D39 K3FR32	R	020BANVYK3EA2WALPV		ALNAV/VNAV	ALNAV							JS	
SUSAP D39 K3FR32	R	021IYACAK3EA0E	S 031TF			32790030	V	0184001853		-300		A JS	
SUSAP D39 K3FR32	R	030RW32 K3PG0GY	M 031TF			32790018		01280		-300		A JS	
SUSAP D39 K3FR32	R	040	0 M CA			3279	+	01492				A JS	
SUSAP D39 K3FR32	R	050ZERNUK3EA0EY	DF				+	03000				A JS	
SUSAP D39 K3FR32	R	060ZERNUK3EA0EE	R HM			14770040	+	03000				A JS	

[illegible]

CITY AND STATE SAUK CENTRE, MN	ELEVATION: 1244 AIRPORT NAME: SAUK CENTRE MUNI	TDZE: 1242 RNAV	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 32, AMDT 1 13 NOVEMBER 2014	SUP:	
					AMDT:	ORIG
					DATED:	08/25/2011

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

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

SUSAP D39 K3GRW32 0032963278 N45420402W094554841+0000 +0351401240000040060R

[illegible]

SUSAP D39 K3PR32	RW32 001 0000W32A0N4542040190W09455484060+035140300N4543218045W09456503725106751744000400F400500A3526668
SUSAP D39 K3PR32	RW32 002E +03780+03780LPV 56622

[illegible]

SUSAP D39 K3SRW32 K3PG 0 18018003625 M

CITY AND STATE
SAUK CENTRE, MN

ELEVATION: 1244	TDZE: 1242
AIRPORT NAME: SAUK CENTRE MUNI	

FACILITY
IDENTIFIER:
RNAV

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

SUP:	
AMDT:	ORIG
DATED:	08/25/2011

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

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

ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
ARMUW	ARMUW	ARMUW	010		IF		FB					
ARMUW	VOCAB	VOCAB	020		TF		FO	2.0	066.8 (069.8T)	017.6	AA 03000	
ARMUW	VOCAB	VOCAB	030	IAF	HF	R	FO		327.9 (330.9T)	004.0	AA 03000	
DWN	DWN	DWN	010	IAF	IF		FB					
DWN	VOCAB	VOCAB	020		TF		FB	1.0	328.6 (331.6T)	031.2	AA 03000	
TLBAT	TLBAT	TLBAT	010	IAF	IF		FB					
TLBAT	WINIV	WINIV	020		TF		FB	1.0	261.7 (264.7T)	011.0	AA 03300	
TLBAT	VOCAB	VOCAB	030		TF		FB	1.0	261.5 (264.5T)	008.7	AA 03000	
	VOCAB	VOCAB	010	FACF	IF		FB				AA 03000	
	BANVY	BANVY	020	FAF	TF		FB	0.5	327.9 (330.9T)	006.0	AA 02800	
	IYACA	IYACA	021	SDF	TF		FB	0.3	327.9 (330.9T)	003.0	AA 01840	GS 01853
	RW32	RW32	030	MAP	TF		FO	0.3	327.9 (330.9T)	001.8	AT 01280	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		327.9 (330.9T)		AA 01492	
	ZERNU	050		DF		FO				AA 03000	
	ZERNU	060		HM	R	FO		147.7 (150.7T)	004.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	DWN	N450514.87	W0942713.86	N4505.248	W09427.231
	ARMUW	N452636.41	W0951145.54	N4526.607	W09511.759
	BANVY	N453753.98	W0945229.59	N4537.900	W09452.493
	IYACA	N454029.72	W0945433.36	N4540.495	W09454.556
	TLBAT	N453431.10	W0942027.16	N4534.518	W09420.453
	VOCAB	N453238.00	W0944819.15	N4532.633	W09448.319
	WINIV	N453328.74	W0943602.41	N4533.479	W09436.040
	ZERNU	N455157.86	W0950343.01	N4551.964	W09503.717
	RW32	N454204.02	W0945548.41	N4542.067	W09455.807

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW32	01240	40

CITY AND STATE SAUK CENTRE, MN	ELEVATION: 1244	TDZE: 1242	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 32, AMDT 1 13 NOVEMBER 2014	SUP:
	AIRPORT NAME: SAUK CENTRE MUNI				AMDT: ORIG
					DATED: 08/25/2011

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.

NOTES, (CONT.):

SETTING AND INCREASE MDA 80 FEET AND ALL CATS C/D VISIBILITIES 1/4 MILE.
CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1SM NOT AUTHORIZED.

TAA

	FROM	TO	ALT
1.	344/30 CW 164/30 (NOPT)	344/10 CW 164/10	7300
	344/10 CW 164/10	ZOVMI (IF/IAF) (FB)	4900
2.	164/30 CW 344/30	ZOVMI (IF/IAF) (FO)	6900



CITY AND STATE ELKIN, NC	ELEVATION: 1067	TDZE: 1067	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMD'T NO./EFFECTIVE DATE: RNAV (GPS) RWY 7, ORIG 13 NOVEMBER 2014	SUP:
	AIRPORT NAME: ELKIN MUNI				AMD'T: NONE
					DATED:

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

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

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

OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KZEF
RUNWAY	RW07
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W07A
LTP/FTP LATITUDE	361640.1535N
LTP/FTP LONGITUDE	0804732.2415W
LTP/FTP ELLIPSOIDAL HEIGHT	+02918
FPAP LATITUDE	361715.7345N
FPAP LONGITUDE	0804551.1800W
THRESHOLD CROSSING HEIGHT (TCH)	00045.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1536
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	0.0

CRC REMAINDER

BECF98D8

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+03252
FPAP ORTHOMETRIC HEIGHT	+03252

30-174
4
CHECKED

CITY AND STATE

ELKIN, NC

ELEVATION: 1067

TDZE: 1067

AIRPORT NAME:

ELKIN MUNI

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMD'T NO./EFFECTIVE DATE:

RNAV (GPS) RWY 7, ORIG

13 NOVEMBER 2014

SUP:

AMD'T:

NONE

DATED:

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

[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KZEFK7FR07	AZOVMI	010ZOVMIK7EA0EE	AR	HF			07440050	+	04900	18000		A	JS
SUSAP KZEFK7FR07	R	010ZOVMIK7EA0E	I	IF				+	04900	18000		A	JS
SUSAP KZEFK7FR07	R	020WISTUK7EA1E	F	051TF			07440070	+	02800			A	JS
SUSAP KZEFK7FR07	R	020WISTUK7EA2WALP			N	ALNAV							JS
SUSAP KZEFK7FR07	R	021UBUYIK7EA0E	S	031TF			07440032	V	0178001780	-300		A	JS
SUSAP KZEFK7FR07	R	030RW07 K7PG0GY	M	031TF			07440021		01112	-300		A	JS
SUSAP KZEFK7FR07	R	040	0	M	CA		0744	+	01460			A	JS
SUSAP KZEFK7FR07	R	050CUVTIK7EA0EY		DF				+	05100			A	JS
SUSAP KZEFK7FR07	R	060CUVTIK7EA0EE	R	HM			25470050	+	05100			A	JS

[illegible][illegible]

CITY AND STATE ELKIN, NC	ELEVATION: 1067	TDZE: 1067	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME:			RNAV (GPS) RWY 7, ORIG	AMDT: NONE
	ELKIN MUNI		RNAV	13 NOVEMBER 2014	DATED:

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

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

ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	ZOVMI	ZOVMI	010	IAF	HF	R	FO		074.4 (066.4T)	005.0	AA 04900	
		ZOVMI	010	FACF	IF		FB				AA 04900	
		WISTU	020	FAF	TF		FB	0.5	074.4 (066.4T)	007.0	AA 02800	
		UBUYI	021	SDF	TF		FB	0.3	074.4 (066.4T)	003.2	AA 01780	GS 01780
		RW07	030	MAP	TF		FO	0.3	074.4 (066.4T)	002.1	AT 01112	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		074.4 (066.4T)		AA 01460	
	CUVTI	050		DF		FO				AA 05100	
	CUVTI	060		HM	R	FO		254.7 (246.7T)	005.0	AA 05100	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CUVTI	N362207.67	W0803158.33	N3622.128	W08031.972
	UBUYI	N361549.85	W0804954.95	N3615.831	W08049.916
	WISTU	N361432.96	W0805332.76	N3614.549	W08053.546
	ZOVMI	N361144.52	W0810128.38	N3611.742	W08101.473
	RW07	N361640.15	W0804732.24	N3616.669	W08047.537

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW07	01067	45

CITY AND STATE
ELKIN, NC

ELEVATION: 1067
AIRPORT NAME:

ELKIN MUNI

TDZE: 1067

FACILITY IDENTIFIER:

RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:

RNAV (GPS) RWY 7, ORIG

13 NOVEMBER 2014

SUP:

AMDT: NONE

DATED:

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION		RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33		Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.	
TERMINAL ROUTES				MISSED APPROACH	
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LP: RW25 LNAV: RW25 CLIMB TO 4900 DIRECT ZOVMI AND HOLD, CONTINUE CLIMB-IN-HOLD TO 4900. ADDITIONAL FLIGHT DATA: HOLD W, RT, 074.35 INBOUND. CHART FAS OBST: 1171 TREE 361712N/0804550W CHART FAS OBST: 1227 TREE 361805N/0804450W 1379 AAO 361844N/0804038W WAAS CHANNEL # 70536 REFERENCE PATH ID: W25A CHART CIRCLING ICON.	
CUVTI (IF/IAF)	YECCU (FB)	254.65 / 7.66	2800		
YECCU (FAF)	IVUKE/2.00 NM TO RW25 (FB)	254.56 / 3.39	4900		
IVUKE/2.00 NM TO RW25	RW25 (MAP) (FO)	254.56 / 2.00			
RW25 (MAP)	1440 MSL	254.56			
1440 MSL	ZOVMI (FO)				
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. HOLD E CUVTI, RT, 254.65 INBOUND, 5100 FT. IN LIEU OF PT (IAF) 3. FAC: 254.56 FAF: YECCU DIST FAF TO MAP: 5.39 THLD: 5.39 4. MIN. ALT: CUVTI 5100, YECCU 2800, IVUKE/2.00 NM TO RW25 1720 5. DIST TO THLD FROM OM: <u> </u> MM: <u> </u> IM: <u> </u> 150 HAT: <u> </u> 100 HAT: <u> </u> GS ANT: <u> </u> 6. MIN GS INCPT: <u> </u> GS ALT AT: <u> </u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u> </u> TCH: 34:1 IS NOT CLEAR 8. MSA FROM: <u> </u>				LTP HAE: 282.6 M MAG VAR: 8W EPOCH YEAR: 2015	
MINIMUMS					
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT			ALTERNATE: N A X		
CATEGORY =====>	A		B		C
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS
LP MDA	1440	1	375	1440	1
LNAV MDA	1480	1	415	1480	1
CIRCLING	1540	1	473	1600	1
NOTES: CHART NOTE: OBTAIN LOCAL ALTIMETER SETTING ON CTAF; WHEN NOT RECEIVED, USE MOUNT AIRY ALTIMETER SETTING AND INCREASE MDA 80 FEET AND LP AND CIRCLING CATS C/D VISIBILITY 1/4 MILE. CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: PROCEDURE NA AT NIGHT. (SEE FORM 8260-10)					
CITY AND STATE		ELEVATION: 1067 TDZE: 1065		FACILITY IDENTIFIER: RNAV	
ELKIN, NC		AIRPORT NAME: ELKIN MUNI		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 25, ORIG 13 NOVEMBER 2014	
				SUP: NONE DATED	



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

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

NOTES, (CONT.):

CHART PROFILE NOTE: DESCENT ANGLE NA.

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

TAA

	FROM	TO	ALT
1.	165/30 CW 345/30 (NOPT)	165/10 CW 345/10	6200
	165/10 CW 345/10	CUVTI (IF/IAF) (FB)	5100
2.	345/30 CW 165/30	CUVTI (IF/IAF) (FO)	6200



CITY AND STATE ELKIN, NC	ELEVATION: 1067	TDZE: 1065	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 25, ORIG 13 NOVEMBER 2014	SUP:
	AIRPORT NAME: ELKIN MUNI				AMDT: NONE
					DATED:

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

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

FAS DATA BLOCK INFORMATIONDATA FIELDDATA

OPERATION TYPE 0
SBAS SERVICE PROVIDER IDENTIFIER 0
AIRPORT IDENTIFIER KZEF
RUNWAY RW25
APPROACH PERFORMANCE DESIGNATOR 0
ROUTE INDICATOR
REFERENCE PATH DATA SELECTOR 0
REFERENCE PATH IDENTIFIER (APPROACH ID) W25A
LTP/FTP LATITUDE 361655.9310N
LTP/FTP LONGITUDE 0804647.4340W
LTP/FTP ELLIPSOIDAL HEIGHT +02826
FPAP LATITUDE 361620.3410N
FPAP LONGITUDE 0804828.4840W
THRESHOLD CROSSING HEIGHT (TCH) 00000.0
TCH UNITS SELECTOR (METERS OR FEET USED) F
GLIDEPATH ANGLE (GPA) 00.00
COURSE WIDTH AT THRESHOLD 106.75
LENGTH OFFSET 1536
HORIZONTAL ALERT LIMIT (HAL) 40.0
VERTICAL ALERT LIMIT (VAL) 0.0

CRC REMAINDER

2EDD276E

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K7
LTP ORTHOMETRIC HEIGHT +03160
FPAP ORTHOMETRIC HEIGHT +03160



CITY AND STATE

ELKIN, NC

ELEVATION: 1067

TDZE: 1065

AIRPORT NAME:

ELKIN MUNI

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 25, ORIG

13 NOVEMBER 2014

SUP:

AMDT: NONE

DATED:

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

[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KZEFK7FR25	ACUVTI	010CUVTIK7EA0EE	AR	HF			25470050	+	05100	18000		A	JS
SUSAP KZEFK7FR25	R	010CUVTIK7EA0E	I	IF				+	05100	18000		A	JS
SUSAP KZEFK7FR25	R	020YECCUK7EA1E	F	051TF			25470077	+	02800			A	JS
SUSAP KZEFK7FR25	R	020YECCUK7EA2WALP			N	ALNAV							JS
SUSAP KZEFK7FR25	R	0211VUKK7EA0E	S	031TF			25460034	+	01720			A	JS
SUSAP KZEFK7FR25	R	030RW25 K7PG0GY	M	031TF			25460020		01480	000		A	JS
SUSAP KZEFK7FR25	R	040	0	M	CA		2546	+	01440			A	JS
SUSAP KZEFK7FR25	R	050ZOVMIK7EA0EY		DF				+	04900			A	JS
SUSAP KZEFK7FR25	R	060ZOVMIK7EA0EE	R	HM			07440050	+	04900			A	JS

[illegible][illegible]

QUALITY
4
CHECKED

FAA FORM 8260 - 10 / April 2006 (Computer Generated)	Page	4	of	5	Pages

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
	CUVTI	CUVTI	010	IAF	HF	R	FO		254.7 (246.7T)	005.0	AA 05100	
		CUVTI	010	FACF	IF		FB				AA 05100	
		YECCU	020	FAF	TF		FB	0.5	254.7 (246.7T)	007.7	AA 02800	
		IVUKE	021	SDF	TF		FB	0.3	254.6 (246.6T)	003.4	AA 01720	
		RW25	030	MAP	TF		FO	0.3	254.6 (246.6T)	002.0	AT 01480	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		254.6 (246.6T)		AA 01440	
	ZOVMI	050		DF		FO				AA 04900	
	ZOVMI	060		HM	R	FO		074.4 (066.4T)	005.0	AA 04900	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CUVTI	N362207.67	W0803158.33	N3622.128	W08031.972
	IVUKE	N361743.92	W0804431.03	N3617.732	W08044.517
	YECCU	N361904.91	W0804040.45	N3619.082	W08040.674
	ZOVMI	N361144.52	W0810128.38	N3611.742	W08101.473
	RW25	N361655.93	W0804647.43	N3616.932	W08046.791

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW25	01037	00

QUALITY


CITY AND STATE ELKIN, NC	ELEVATION: 1067	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 25, ORIG 13 NOVEMBER 2014	SUP:
	TDZE: 1065			AMDT: NONE
	AIRPORT NAME: ELKIN MUNI			DATED:

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.
ELKIN, NC	ELKIN MUNI	13 NOVEMBER 2014	1

TAKEOFF MINIMUMS:

RWY 7, 25: STANDARD

TEXTUAL DEPARTURE PROCEDURES:

RWY 7: CLIMB HEADING 074.49 TO 2000 BEFORE TURNING NORTH.
RWY 25: CLIMB HEADING 254.50 TO 2600 BEFORE TURNING NORTH.

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 7, TREES BEGINNING 2 FT FROM DER, 133 FT LEFT OF CENTERLINE, UP TO 61 FT AGL/1120 FT MSL. TREES BEGINNING 10 FT FROM DER, 64 FT RIGHT OF CENTERLINE, UP TO 49 FT AGL/1048 FT MSL. VEHICLES ON ROAD 169 FT FROM DER, 388 FT LEFT OF CENTERLINE, UP TO 15 FT AGL/1074 FT MSL. TREES BEGINNING 665 FT FROM DER, 24 FT RIGHT OF CENTERLINE, UP TO 50 FT AGL/1089 FT MSL. TREES BEGINNING 931 FT FROM DER, 33 FT LEFT OF CENTERLINE, UP TO 93 FT AGL/1132 FT MSL. TREES BEGINNING 1137 FT FROM DER, 249 FT RIGHT OF CENTERLINE, UP TO 78 FT AGL/1097 FT MSL. TOWER 1781 FT FROM DER, 452 FT RIGHT OF CENTERLINE, 83 FT AGL/1082 FT MSL. TREES BEGINNING 3265 FT FROM DER, 397 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/1199 FT MSL. TOWER 5075 FT FROM DER, 1290 FT LEFT OF CENTERLINE, 100 FT AGL/1179 FT MSL.

NOTE: RWY 25, TREES BEGINNING 41 FT FROM DER, 125 FT LEFT OF CENTERLINE, UP TO 119 FT AGL/1138 FT MSL. TREES BEGINNING 45 FT FROM DER, 92 FT RIGHT OF CENTERLINE, UP TO 78 FT AGL/1137 FT MSL. TREES BEGINNING 1217 FT FROM DER, 13 FT LEFT OF CENTERLINE, UP TO 99 FT AGL/1178 FT MSL. TREES BEGINNING 1235 FT FROM DER, 55 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/1219 FT MSL.

CONTROLLING OBSTACLES:

OBSTACLES MANDATING ROUTE DEVELOPMENT:

RWY 7: 3356 FT MSL AAO 362451.00N/0805751.00W, 3809 FT MSL TOWER 363334.00N/0804924.00W.
RWY 25: 3314 FT MSL AAO 362330.00N/0805851.00W.

11/17/14
1
CUT OVER

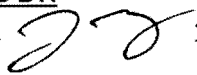
U.S. DEPARTMENT OF TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION
TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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.
ELKIN, NC	ELKIN MUNI	13 NOVEMBER 2014	1

REMARKS:

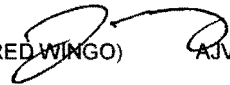
FLIGHT INSPECTED BY:

Stephen Koch  3/11/14

REQUIRED EFFECTIVE DATE:

ROUTINE

DEVELOPED BY:

PETER GETZ (JARED WINGO)  AJV-352

1/6/2014

APPROVED BY:

SUE CRUMB  AJV-352

SEP 02 2014

COORDINATED WITH:

ALPA, AOPA, NBAA, AMGR, ST AV DIR, ZTL ARTCC

CHANGES:

1. RWY 7: CHANGED CEILING/VISIBILITY REQUIREMENTS FROM 300-1 TO STANDARD, DELETED CLIMB GRADIENT OF 270 FT/NM TO 1300.
2. RWY 7: UPDATED DEPARTURE PROCEDURE INSTRUCTION FROM CLIMB TO 3900 BEFORE TURNING NORTH TO CLIMB HEADING 074.49 TO 2000 BEFORE TURNING NORTH.
3. RWY 25: REMOVED CEILING VISIBILITY REQUIREMENT. REMOVED CLIMB GRADIENT.
4. RWY 25: UPDATED DEPARTURE PROCEDURE INSTRUCTION FROM CLIMB TO 3900 BEFORE TURNING NORTH TO CLIMB HEADING 254.50 TO 2600 BEFORE TURNING NORTH.

REASONS:

1. REVISED OBSTACLE EVALUATION.
2. PREVIOUS ICA LENGTH EXCEEDED 10 NM. UPDATED TO CURRENT CRITERIA AND USE OF DTED VALUE IN DIVERSE AREA.
3. REVISED OBSTACLE EVALUATION.
4. PREVIOUS ICA LENGTH EXCEEDED 10 NM. UPDATED TO CURRENT CRITERIA AND USE OF DTED VALUE IN DIVERSE AREA.



U.S. DEPARTMENT OF TRANSPORTATION -- FEDERAL AVIATION ADMINISTRATION
RADAR -- STANDARD INSTRUMENT APPROACH PROCEDURE -- FLIGHT STANDARDS SERVICE -- FAR PART 97.31

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

Initial approach minimum altitude(s) shall correspond with those established for enroute operation in the particular area or as set forth below. Positive identification must be established with the radar controller. From initial contact with radar to final authorized landing minimums, the instructions of the radar controller are mandatory except when: (A) Visual contact is established on final approach at or before descent to the authorized landing minimums; or (B) at pilot's discretion if it appears desirable to discontinue the approach.

Except when the radar controller may direct otherwise prior to final approach, a missed approach shall be executed as provided below when: (A) communications on final approach is lost for more than 5 seconds during a precision approach, or for more than 30 seconds during a surveillance approach; (B) directed by radar controllers; (C) visual contact is not established upon descent to authorized landing minimums; or (D) if landing is not accomplished.

RADAR TERMINAL AREA MANEUVERING SECTORS AND ALTITUDES (Sectors and distances measured from radar antenna)												MISSED APPROACH
FROM	T O	DISTANCE	ALTITUDE	DISTANCE	ALTITUDE	DISTANCE	ALTITUDE	DISTANCE	ALTITUDE	DISTANCE	ALTITUDE	MAP:
												RWY 6, 17, 24,35: THLD.
												RWY 6, 17, 24: CLIMB TO 1800 DIRECT AIRLI LOM AND HOLD S, RT, 346.23 INBOUND.
AS ESTABLISHED BY THE CURRENT WILMINGTON ASR MINIMUM VECTORING ALTITUDE CART.												RWY 35: CLIMB TO 600 THEN CLIMBING LEFT TURN TO 1800 DIRECT AIRLI LOM AND HOLD S, RT, 346.23 INBOUND.

MINIMUMS																
TAKEOFF:		STANDARD	☒	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	V I S	HAT/HAA	DH/MDA	V I S	HAT/HAA	DH/MDA	V I S	HAT/HAA	DH/MDA	V I S	HAT/HAA	
ASR S-6	540	5500	512	540	5500	512	540	1 3/8	512	540	1 3/8	512				
ASR S-17	500	1	468	500	1	468	500	1 3/8	468	500	1 3/8	468				
ASR S-24	500	2400	474	500	2400	474	500	5000	474	500	5000	474				
ASR S-35	500	4000	469	500	4000	469	500	5000	469	500	5000	469				
CIRCLING	560	1	528	560	1	528	720	2	688	920	3	888				

NOTES:

@ CAT D 900-3. NA WHEN CONTROL TOWER CLOSED.

RWY 6: FAF 5.00 MILES FROM THRESHOLD, MINIMUM ALTITUDE 1600; MINIMUM ALTITUDE 2.30 MILE FIX 760; FINAL APPROACH COURSE 055. RECOMMENDED ALTITUDE: 4 MILES 1300; 3 MILES 1000; 2 MILES 700.

RWY 17: FAF 5.00 MILES FROM THRESHOLD, MINIMUM ALTITUDE 1600; FINAL APPROACH COURSE 166. RECOMMENDED ALTITUDE: 4 MILES 1300; 3 MILES 1000; 2 MILES 700.

RWY 24: FAF 5.00 MILES FROM THRESHOLD, MINIMUM ALTITUDE 1600; FINAL APPROACH COURSE 235. RECOMMENDED ALTITUDE: 4 MILES 1300; 3 MILES 980; 2 MILES 680.

RWY 35: FAF 5.00 MILES FROM THRESHOLD, MINIMUM ALTITUDE 1600; FINAL APPROACH COURSE 346. RECOMMENDED ALTITUDE: 4 MILES 1300; 3 MILES 980; 2 MILES 680.

LOST COMMUNICATIONS (ALL RWYS): AS DIRECTED BY ATC ON INITIAL CONTACT. (SEE FORM 8260-10)

ADDITIONAL FLIGHT DATA

TDZE: 28	RWY: 6	TDZE: 32	RWY: 17
TDZE: 26	RWY: 24	TDZE: 31	RWY: 35

FAS OBST:

RWY 6: 275 BRIDGE 341531N/0775654W.
RWY 17: 240 AAO 342024N/0775721W.
RWY 24: 245 AAO 341819N/0774932W.
RWY 35: 250 AAO 341127N/0775318W.
CHART CIRCLING ICON

MAG VAR: 7W EPOCH YEAR: 1985

CITY AND STATE	ELEVATION: 32	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP
WILMINGTON, NC	AIRPORT NAME: WILMINGTON INTL	ILM ASR	RADAR-1, AMDT 7 13 NOVEMBER 2014	AMDT: 6C
				DATED: 06/21/02

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are 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 CONTROL TOWER CLOSED, ASR NA.

CHART NOTE: RWY 17, 35: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.

CHART NOTE: FOR INOPERATIVE MALSR, INCREASE S-35 CATS A/B VISIBILITY TO RVR 5500.

CITY AND STATE	ELEVATION: 32 TDZE:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
WILMINGTON, NC	AIRPORT NAME: WILMINGTON INTL	ILM ASR	RADAR-1, AMDT 7 13 NOVEMBER 2014	AMDT: 6C
				DATED: 06/21/2002

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>13 NOVEMBER 2014</u>																			
CITY AND STATE BASSETT, NE				ELEVATION: 2349 TDZE: 2349 AIRPORT NAME: ROCK COUNTY		FACILITY IDENTIFIER: RBE		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: NDB RWY 31, AMDT 4, 04/08/2010				SUP AMDT 3 DATE 04/18/2002							

ILS - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.29							Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.														
TERMINAL ROUTES																	MISSED APPROACH				
FROM		TO			COURSE AND DISTANCE					ALTITUDE		ILS: DA LOC: 3.28 MILES AFTER HOBDO OM OR AT I-HOB 1.33 DME FIX CLIMB TO 5000 THEN CLIMBING LEFT TURN TO 6000 DIRECT HOB VORTAC THEN VIA HOB VORTAC R-234.06 TO DYETT INT/HOB VORTAC 13.00 DME AND HOLD. ADDITIONAL FLIGHT DATA: HOLD SW, RT, 054.06 INBOUND. CHART FAS OBST: 3756 POLE 323912N/1031555W CHART VDP AT 2.28 DME* DISTANCE VDP TO THLD 1.00 MILES. *LOC ONLY. CHART HOB R-291 AT YOYUR. CHART HOB R-276 AT WOKAM. CHART HOB R-234 AT DYETT. CHART HOB R-113 AT ZUSDA. CHART CIRCLING ICON.									
YOYUR/HOB VORTAC 13.00 DME CCW (IAF)		PREPP/I-HOB 17.60 DME (NOPT)			13.00 DME ARC (HOB LR-224)					6000											
WOKAM/HOB VORTAC 13.00 DME CCW (IAF)		PREPP/I-HOB 17.60 DME (NOPT)			13.00 DME ARC (HOB LR-224)					6000											
DYETT INT/HOB VORTAC 13.00 DME CCW (IAF)		PREPP/I-HOB 17.60 DME (NOPT)			13.00 DME ARC (HOB LR-224)					6000											
ZUSDA/HOB VORTAC 13.00 DME CW (IAF)		PREPP/I-HOB 17.60 DME (NOPT)			13.00 DME ARC (HOB LR-205)					6000											
PREPP/I-HOB 17.60 DME (IF)		HOBDO OM			038.10 / 12.99 (I-HOB)					4800											
1. PT <u>L</u> SIDE OF COURSE <u>218.10</u> OUTBOUND <u>5300</u> FT WITHIN <u>10</u> MILES OF <u>HOB VORTAC</u> (IAF)																					
2. _____																					
3. FAC: <u>038.10</u> FAF: <u>HOBDO OM</u> DIST FAF TO MAP: <u>3.28</u> THLD: <u>3.28</u>																					
4. MIN. ALT: <u>HOBDO OM 4800</u>																					
5. DIST TO THLD FROM OM: <u>3.28</u> MM: <u>-</u> IM: <u>-</u> 150 HAT: <u>-</u> 100 HAT: <u>-</u> GS ANT: <u>981</u>																					
6. MIN GS INCPT: <u>4800</u> GS ALT AT: <u>-</u> OM: <u>4756</u> MM: <u>-</u> IM: <u>-</u>																					
7. GS ANGLE: <u>3.00</u> TCH: <u>48.4</u>																					
8. MSA FROM: <u>HOB VORTAC 6600</u>																					
MAG VAR: 7E EPOCH YEAR: 2015																					
MINIMUMS																					
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT							ALTERNATE: N A		ILS: STANDARD #			LOC: STANDARD @									
CATEGORY =====>		A			B			C			D			E							
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA						
S-ILS 03	3852	1/2	200	3852	1/2	200	3852	1/2	200	3852	1/2	200									
S-LOC 03	4020	1/2	368	4020	1/2	368	4020	1/2	368	4020	3/4	368									
CIRCLING	4120	1	459	4140	1	479	4440	2 1/4	779	4440	2 1/2	779									
NOTES: CHART PROFILE NOTE: USE I-HOB DME WHEN ON THE LOCALIZER COURSE. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE CARLSBAD ALTIMETER SETTING AND INCREASE ALL DA 281 FEET AND ALL MDA 300 FEET; INCREASE S-ILS ALL CATS VISIBILITY 3/4 MILE, INCREASE S-LOC CATS C/D VISIBILITY 3/4 MILE, INCREASE CIRCLING CAT C VISIBILITY 3/4 MILE, (SEE FORM 8260-10)																					
CITY AND STATE							ELEVATION: 3661 TDZE: 3652			FACILITY IDENTIFIER: I-HOB			PROCEDURE NO./AMDT NO./EFFECTIVE DATE:			SUP:					
HOBBS, NM							AIRPORT NAME:						ILS OR LOC RWY 3, AMDT 7A			AMDT: 7					
							LEA COUNTY RGNL						13 NOVEMBER 2014			DATED 09/28/2006					

QUALITY
 9
 CHECKED

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

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NOTES, (CONT.):

INCREASE CIRCLING CAT D VISIBILITY 1/2 MILE.

CHART NOTE: FOR INOPERATIVE MALSR, INCREASE CARLSBAD ALTIMETER SETTING S-ILS ALL CATS VISIBILITY TO 1 3/4.

CHART NOTE: VDP NA WHEN USING CARLSBAD ALTIMETER SETTING.

QUALITY
99
CHECKED

CITY AND STATE HOBBS, NM	ELEVATION: 3661	TDZE: 3652	FACILITY IDENTIFIER: I-HOB	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 3, AMDT 7A 13 NOVEMBER 2014	SUP:
	AIRPORT NAME: LEA COUNTY RGNL	AMDT: 7			
	DATED: 09/28/2006				

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	KHOBK2FI03	ADYETT	010DYETTK2EA0E	A	IF	HOB	K2	23410130	D		18000	0	NS
SUSAP	KHOBK2FI03	ADYETT	020PREPPK2PC0EE	BL	AF	HOB	K2	214801302341	D	+ 06000		0	NS
SUSAP	KHOBK2FI03	AHOB	010HOB K2D 0VE	AR	PI	HOB	K2	0000000017310100D		+ 05300	18000	0	NS
SUSAP	KHOBK2FI03	AWOKAM	010WOKAMK2EA0E	A	IF	HOB	K2	27590130	D		18000	0	NS
SUSAP	KHOBK2FI03	AWOKAM	020DYETTK2EA0E	L	AF	HOB	K2	234101302759	D	+ 06000		0	NS
SUSAP	KHOBK2FI03	AWOKAM	030PREPPK2PC0EE	BL	AF	HOB	K2	214801302341	D	+ 06000		0	NS
SUSAP	KHOBK2FI03	AYOYUR	010YOYURK2EA0E	A	IF	HOB	K2	29090130	D		18000	0	NS
SUSAP	KHOBK2FI03	AYOYUR	020WOKAMK2EA0E	L	AF	HOB	K2	275901302909	D	+ 06000		0	NS
SUSAP	KHOBK2FI03	AYOYUR	030DYETTK2EA0E	L	AF	HOB	K2	234101302759	D	+ 06000		0	NS
SUSAP	KHOBK2FI03	AYOYUR	040PREPPK2PC0EE	BL	AF	HOB	K2	214801302341	D	+ 06000		0	NS
SUSAP	KHOBK2FI03	AZUSDA	010ZUSDAK4EA0E	A	IF	HOB	K2	11320130	D		18000	0	NS
SUSAP	KHOBK2FI03	AZUSDA	020PREPPK2PC0EE	BR	AF	HOB	K2	214801301132	D	+ 06000		0	NS
SUSAP	KHOBK2FI03	I	010PREPPK2PC0E	I	IF	IHOBK2		21810176	PI	J	060000480018000	0	NS
SUSAP	KHOBK2FI03	I	020HOBDOK2PC0E	F	CF	IHOBK2		2181004603800130PI	H	04800004756	-300HOB K2D	0	NS
SUSAP	KHOBK2FI03	I	030RW03 K2PG0GY	M	CF	IHOBK2		2181001303800033PI		03701	-300	0	NS
SUSAP	KHOBK2FI03	I	040	0 M	CA			0381		+ 05000		0	NS

SUP:	
AMDT:	7A
DATED:	09/28/2006

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.

```
0 NS
+ 06000      0 NS
0541T010    + 06000      0 NS
```

[illegible][illegible]

SUP:	
AMDT:	7A
DATED:	09/28/2006

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
	DYETT	DYETT	010	IAF	IF		FB					
	DYETT	PREPP	020		AF	L	FB		234.1()		AA 06000	
	HOB	HOB	010	IAF	PI	R	FB		173.1()	010.0	AA 05300	
	WOKAM	WOKAM	010	IAF	IF		FB					
	WOKAM	DYETT	020		AF	L	FB		275.9()		AA 06000	
	WOKAM	PREPP	030		AF	L	FB		234.1()		AA 06000	
	YOYUR	YOYUR	010	IAF	IF		FB					
	YOYUR	WOKAM	020		AF	L	FB		290.9()		AA 06000	
	YOYUR	DYETT	030		AF	L	FB		275.9()		AA 06000	
	YOYUR	PREPP	040		AF	L	FB		234.1()		AA 06000	
	ZUSDA	ZUSDA	010	IAF	IF		FB					
	ZUSDA	PREPP	020		AF	R	FB		113.2()		AA 06000	
		PREPP	010	FACF	IF		FB				AA 06000	GI 04800
		HOBDO	020	FAF	CF		FB		038.0()	013.0	AA 06000	GI 04800 GS 04756
		RW03	030	MAP	CF		FO		038.0()	003.3	AT 03701	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		038.1()		AA 05000	
	HOB	050		DF	L	FB					
	DYETT	060		TF		FO				AA 06000	
	DYETT	070		HM	R	FO		054.1()	T01.0	AA 06000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	HOB	N323817.66	W1031609.48	N3238.294	W10316.158
	IHOB (DME)	N324137.69	W1031224.12	N3241.628	W10312.402
	DYETT	N323247.36	W1033006.28	N3232.789	W10330.105
	WOKAM	N324204.03	W1033053.94	N3242.067	W10330.899
	YOYUR	N324510.02	W1032914.69	N3245.167	W10329.245
	ZUSDA	N323057.93	W1030326.40	N3230.966	W10303.440
	HOBDO	N323824.03	W1031618.26	N3238.401	W10316.304
	PREPP	N322912.03	W1032710.26	N3229.201	W10327.171
	RW03	N324043.28	W1031333.14	N3240.721	W10313.552
	IHOB (LOC)	N324139.32	W1031226.62	N3241.655	W10312.444

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW03	03652	48

CITY AND STATE
HOBBS, NMELEVATION: 3661 TDZE: 3652
AIRPORT NAME:
LEA COUNTY RGNLFACILITY
IDENTIFIER:
I-HOBPROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
ILS OR LOC RWY 3, AMDT 7A
13 NOVEMBER 2014SUP:
AMDT: 7A
DATED: 09/28/2006

FLIGHT STANDARDS SERVICES - FAR PART 97.25

ARINC PACKET - 424-18 - LOC

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

SUP:	
AMDT:	7
DATED:	09/28/2006

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 KHOBK2FL03 L 050HOB K2D 0V L DF 0 NS
SUSAP KHOBK2FL03 L 060DYETTK2EA0EY TF + 06000 0 NS
SUSAP KHOBK2FL03 L 070DYETTK2EA0EE R HM 0541T010 + 06000 0 NS

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

SUSAP KHOBK2GRW03 0073980381 N32404328W103133314-0100 +1091503652000048150IIHOB1

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

SUSAP KHOBK2IIHOB1 010850RW03 N32413932W1031226620381N32404658W1031320820629 09810500300E00704803647

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

SUSAP KHOBK2SHOB K2D 0 18018006625 M

CITY AND STATE

HOBBS, NM

ELEVATION: 3661

TDZE: 3652

AIRPORT NAME:

LEA COUNTY RGNL

FACILITY
IDENTIFIER:

I-HOB

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:

ILS OR LOC RWY 3, AMDT 7A

13 NOVEMBER 2014

SUP:

AMDT:

7

DATED: 09/28/2006

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
	DYETT	DYETT	010	IAF	IF		FB					
	DYETT	PREPP	020		AF	L	FB		234.1()		AA 06000	
	HOB	HOB	010	IAF	PI	R	FB		173.1()	010.0	AA 05300	
	WOKAM	WOKAM	010	IAF	IF		FB					
	WOKAM	DYETT	020		AF	L	FB		275.9()		AA 06000	
	WOKAM	PREPP	030		AF	L	FB		234.1()		AA 06000	
	YOYUR	YOYUR	010	IAF	IF		FB					
	YOYUR	WOKAM	020		AF	L	FB		290.9()		AA 06000	
	YOYUR	DYETT	030		AF	L	FB		275.9()		AA 06000	
	YOYUR	PREPP	040		AF	L	FB		234.1()		AA 06000	
	ZUSDA	ZUSDA	010	IAF	IF		FB					
	ZUSDA	PREPP	020		AF	R	FB		113.2()		AA 06000	
		PREPP	010	FACF	IF		FB				AA 06000	
		HOBDO	020	FAF	CF		FB		038.0()	013.0	AA 04800	
		RW03	030	MAP	CF		FO		038.0()	003.3	AT 03701	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		038.1()		AA 05000	
	HOB	050		DF	L	FB					
	DYETT	060		TF		FO				AA 06000	
	DYETT	070		HM	R	FO		054.1()	T01.0	AA 06000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	HOB	N323817.66	W1031609.48	N3238.294	W10316.158
	IHOB (DME)	N324137.69	W1031224.12	N3241.628	W10312.402
	DYETT	N323247.36	W1033006.28	N3232.789	W10330.105
	WOKAM	N324204.03	W1033053.94	N3242.067	W10330.899
	YOYUR	N324510.02	W1032914.69	N3245.167	W10329.245
	ZUSDA	N323057.93	W1030326.40	N3230.966	W10303.440
	HOBDO	N323824.03	W1031618.26	N3238.401	W10316.304
	PREPP	N322912.03	W1032710.26	N3229.201	W10327.171
	RW03	N324043.28	W1031333.14	N3240.721	W10313.552
	IHOB (LOC)	N324139.32	W1031226.62	N3241.655	W10312.444

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW03	03652	48

CITY AND STATE

HOBBS, NM

ELEVATION: 3661

TDZE: 3652

AIRPORT NAME:

LEA COUNTY RGNL

FACILITY

IDENTIFIER:

I-HOB

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:

ILS OR LOC RWY 3, AMDT 7A

13 NOVEMBER 2014

SUP:

AMDT:

7

DATED: 09/28/2006

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION LOC/DME STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.25								Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.									
TERMINAL ROUTES										MISSED APPROACH							
FROM		TO		COURSE AND DISTANCE				ALTITUDE		MAP: ZAVTI/HOB 5.09 DME							
GECKE/HOB 17.00 DME CCW (IAF)		FLUZE/HOB 17.00 DME		17.00 DME ARC (HOB LR-041)				6000		CLIMB TO 6000 DIRECT HOB VORTAC THEN VIA HOB VORTAC R-234 TO DYETT INT/13.00 DME AND HOLD. ADDITIONAL FLIGHT DATA: HOLD SW, RT, 054.06 INBOUND. CHART FAS OBST: 3936 TWR 324330N/1030909W CHART HOB R-113 AT GECKE. CHART HOB R-276 AT HEBIX. CHART HOB R-291 AT KUCEY. CHART CIRCLING ICON. JAIMS TO RWY21: 3.02/44.							
HEBIX/HOB 17.00 DME CW (IAF)		FLUZE/HOB 17.00 DME		17.00 DME ARC (HOB LR-026)				6000									
KUCEY/HOB 17.00 DME CW (IAF)		FLUZE/HOB 17.00 DME		17.00 DME ARC (HOB LR-026)				6000									
FLUZE/HOB 17.00 DME (IF)		JAIMS/HOB 10.13 DME		218.11 / 6.87 (I-HOB)				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 FLUZE/HOB 17.00 DME 3. FAC <u>218.11</u> FAF JAIMS/HOB 10.13 DME DIST FAF TO MAP <u> </u> THLD <u>5.64</u> 4. MIN. ALT <u>FLUZE 6000, JAIMS 5500</u> 8. MSA FROM: HOB VORTAC 6600														MAG VAR: 7E		EPOCH YEAR:2015	
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-21	4080	1	431	4080	1	431	4080	1 1/4	431	4080	1 1/2	431					
CIRCLING	4120	1	459	4140	1	479	4440	2 1/4	779	4440	2 1/2	779					
NOTES: CHART NOTE: DME FROM HOB VORTAC. SIMULTANEOUS RECEPTION OF I-HOB AND HOB DME REQUIRED. CHART PROFILE NOTE: DISREGARD GS INDICATIONS. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE CARLSBAD ALTIMETER SETTING AND INCREASE ALL MDA 300 FEET; INCREASE S-21 CAT C/D VISIBILITY 3/4 MILE; INCREASE CIRCLING CAT C (SEE FORM 8260-10) @ NA WHEN CONTROL TOWER CLOSED. @ CAT C 800-2 1/4, CAT D 800-2 1/2 @ NA WHEN LOCAL WEATHER NOT AVAILABLE.																	
CITY AND STATE		ELEVATION: 3661 TDZE: 3649		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP							
HOBBS, NM		AIRPORT NAME:		I-HOB		LOC/DME BC RWY 21, AMDT 6A 13 NOVEMBER 2014				AMDT 6							
		LEA COUNTY RGNL								DATE 09/28/2006							



LOC/DME STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - - TITLE 14 CFR PART 97.25

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

NOTES, (CONT.):

VISIBILITY 3/4 MILE; INCREASE CIRCLING CAT D VISIBILITY 1/2 MILE.

CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY.

QUALITY
9
CHECKED

CITY AND STATE

HOBBS, NM

ELEVATION: 3661

TDZE: 3649

AIRPORT NAME:

LEA COUNTY RGNL

FACILITY
IDENTIFIER:

I-HOB

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

LOC/DME BC RWY 21, AMDT 6A

13 NOVEMBER 2014

SUP:

AMDT:

6

DATED:

09/28/2006

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 KHOBK2FB21	AGECKE	010GECKEK4EA0E	A	IF HOB K2	11320170	D			18000			0 DS	
SUSAP KHOBK2FB21	AGECKE	020FLUZEK2PC0EE	BL	AF HOB K2	033601701132	D	+	06000				0 DS	
SUSAP KHOBK2FB21	AHEBIX	010HEBIXK2EA0E	A	IF HOB K2	27590170	D			18000			0 DS	
SUSAP KHOBK2FB21	AHEBIX	020KUCEYK2EA0E	R	AF HOB K2	290901702759	D	+	06000				0 DS	
SUSAP KHOBK2FB21	AHEBIX	030FLUZEK2PC0EE	BR	AF HOB K2	033601702909	D	+	06000				0 DS	
SUSAP KHOBK2FB21	AKUCEY	010KUCEYK2EA0E	A	IF HOB K2	29090170	D			18000			0 DS	
SUSAP KHOBK2FB21	AKUCEY	020FLUZEK2PC0EE	BR	AF HOB K2	033601702909	D	+	06000				0 DS	
SUSAP KHOBK2FB21	B	010FLUZEK2PC0E	I	IF IHOBK2	03820124	PI	+	06000	18000			0 DS	
SUSAP KHOBK2FB21	B	020JAIMSK2PC0E	F	CF IHOBK2	0378005521800069PI	+	05500			HOB	K2D	0 DS	
SUSAP KHOBK2FB21	B	030ZAVTIK2PC0EY	M	CF IHOBK2	0385000521800050PI		03883			-302		0 DS	
SUSAP KHOBK2FB21	B	040HOB K2D 0V M		DF								0 DS	
SUSAP KHOBK2FB21	B	050DYETTK2EA0EY		TF			+	06000				0 DS	
SUSAP KHOBK2FB21	B	060DYETTK2EA0EE	R	HM	0541T010		+	06000				0 DS	

CITY AND STATE HOBBS, NM	ELEVATION: 3661 TDZE: 3649 AIRPORT NAME: LEA COUNTY RGNL	FACILITY IDENTIFIER: I-HOB	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
			LOC/DME BC RWY 21, AMDT 6A	AMDT: 6
			13 NOVEMBER 2014	DATED: 09/28/2006

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

LOC BC STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - FAR PART 97.25

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RUNWAY 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012

SUSAP KHOBK2GRW21 0073982181 N32413493W103123183+0100 +1089703646000044150R

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

SUSAP KHOBK2IIHOB1 010850RW03 N32413932W1031226620381N32404658W1031320820629 09810500300E00704803647

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

SUSAP KHOBK2SHOB K2D 0 18018006625

M

CITY AND STATE

HOBBS, NM

ELEVATION: 3661

TDZE: 3649

AIRPORT NAME:

LEA COUNTY RGNL

FACILITY
IDENTIFIER:

I-HOB

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:

LOC/DME BC RWY 21, AMDT 6A

13 NOVEMBER 2014

SUP:

AMDT:

6

DATED: 09/28/2006

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

LOC BC 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 BC

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	GECKE	GECKE	010	IAF	IF		FB					
	GECKE	FLUZE	020		AF	L	FB		113.2 ()		AA 06000	
	HEBIX	HEBIX	010	IAF	IF		FB					
	HEBIX	KUCEY	020		AF	R	FB		275.9 ()		AA 06000	
	HEBIX	FLUZE	030		AF	R	FB		290.9 ()		AA 06000	
	KUCEY	KUCEY	010	IAF	IF		FB					
	KUCEY	FLUZE	020		AF	R	FB		290.9 ()		AA 06000	
		FLUZE	010	FACF	IF		FB				AA 06000	
		JAIS	020	FAF	CF		FB		218.0 ()	006.9	AA 05500	
		ZAVTI	030	MAP	CF		FO		218.0 ()	005.0	AT 03883	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	HOB	040		DF		FB					
	DYETT	050		TF		FO				AA 06000	
	DYETT	060		HM	R	FO		054.1 ()	T01.0	AA 06000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	HOB	N323817.66	W1031609.48	N3238.294	W10316.158
	IHOB (DME)	N324137.69	W1031224.12	N3241.628	W10312.402
	DYETT	N323247.36	W1033006.28	N3232.789	W10330.105
	GECKE	N322842.37	W1025932.00	N3228.706	W10259.533
	HEBIX	N324313.34	W1033526.32	N3243.222	W10335.439
	KUCEY	N324716.63	W1033316.68	N3247.277	W10333.278
	FLUZE	N325024.98	W1030200.00	N3250.416	W10302.000
	JAIS	N324535.62	W1030748.87	N3245.594	W10307.815
	ZAVTI	N324200.32	W1031201.38	N3242.005	W10312.023
	RW21	N324134.93	W1031231.83	N3241.582	W10312.531
	IHOB (LOC)	N324139.32	W1031226.62	N3241.655	W10312.444

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW21	03646	44

CITY AND STATE
HOBBS, NMELEVATION: 3661 TDZE: 3649
AIRPORT NAME:
LEA COUNTY RGNLFACILITY
IDENTIFIER:
I-HOBPROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
LOC/DME BC RWY 21, AMDT 6A
13 NOVEMBER 2014SUP:
AMDT: 6
DATED: 09/28/2006

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.											
TERMINAL ROUTES				MISSED APPROACH											
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LPV: DA LNAV/VNAV: DA LNAV: RW03 CLIMB TO 6000 DIRECT DEKEC AND HOLD. ADDITIONAL FLIGHT DATA: HOLD NE, RT, 222.73 INBOUND. CHART FAS OBST: 3756 POLE 323912N/1031555W OBST: 3899 AAO 323903N/1031713W DISTANCE TO THLD FROM 250 HATH: 0.63 NM. CHART VDP AT 1.00 MILES TO RW03* *LNAV ONLY. WAAS CHANNEL # 90215 REFERENCE PATH ID: W03A CHART CIRCLING ICON. LTP HAE: 1091.5 M											
ANEEL	CIMID (FB)	272.01 / 23.71	5600												
KUCEY	BUMIW (FB)	156.08 / 11.13	5600												
DEKEC	FIBGA (FO)	219.65 / 24.73	5600												
CIMID (IAF)	FIBGA (NOPT) (FB)	328.05 / 7.00	5600												
BUMIW (IAF)	FIBGA (NOPT) (FB)	107.95 / 7.00	5600												
WUDRU (IAF)	FIBGA (NOPT) (FB)	064.41 / 18.74	5600												
FIBGA (IF/IAF)	JISKY (FB)	038.02 / 6.55	4800												
(SEE FORM 8260-10)															
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)				MAG VAR: 7E EPOCH YEAR: 2015											
2. HOLD SW FIBGA, RT, 038.02 INBOUND, 5600 FT. IN LIEU OF PT (IAF)															
3. FAC: 038.07 FAF: JISKY DIST FAF TO MAP: 3.45 THLD: 3.45															
4. MIN. ALT: FIBGA 5600, JISKY 4800															
5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____															
6. MIN GS INCPT: 4800 GS ALT AT: JISKY 4800 OM: _____ MM: _____ IM: _____															
7. GS ANGLE: 3.00 TCH: 48.4 34:1 IS CLEAR															
8. MSA FROM: RW03 6200															
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	3902	3/4	250	3902	3/4	250	3902	3/4	250	3902	3/4	250			
LNAV/VNAV DA	3902	3/4	250	3902	3/4	250	3902	3/4	250	3902	3/4	250			
LNAV MDA	4020	1/2	368	4020	1/2	368	4020	5/8	368	4020	5/8	368			
CIRCLING	4120	1	459	4140	1	479	4440	2 1/4	779	4440	2 1/2	779			
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -22C (-7F) OR ABOVE 52C (126F). CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE CARLSBAD ALTIMETER SETTING AND INCREASE (SEE FORM 8260-10)															
CITY AND STATE				ELEVATION: 3661 THRE: 3652		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:			
HOBBS, NM				AIRPORT NAME:				RNAV (GPS) RWY 3, AMDT 2				AMDT: 1			
				LEA COUNTY RGNL				13 NOVEMBER 2014				DATED 08/27/2009			



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

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TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
JISKY (FAF)	RW03 (MAP) (FO)	038.07 / 3.45	
RW03 (MAP)	3902 MSL	038.07	
3902 MSL	DEKEC (FO)		6000

NOTES, (CONT.):

ALL DA 281 FEET AND ALL MDA 300 FEET, INCREASE LPV AND LNAV/VNAV ALL CATS VISIBILITY 1/2 MILE, LNAV CATS C/D VISIBILITY 7/8 MILE, CIRCLING CAT C VISIBILITY 3/4 MILE, AND CIRCLING CAT D VISIBILITY 1/2 MILE.

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

CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO LPV AND LNAV/VNAV.

CHART NOTE: FOR INOPERATIVE MALSR INCREASE LNAV CATS C/D VISIBILITY TO 1 MILE.

CHART NOTE: FOR INOPERATIVE MALSR WHEN USING CARLSBAD ALTIMETER SETTING, INCREASE LPV AND LNAV/VNAV ALL CATS VISIBILITY TO 1 3/4 MILES AND LNAV CATS C/D TO 1 7/8 MILES.



CITY AND STATE
HOBBS, NM

ELEVATION: 3661 THRE: 3652
AIRPORT NAME:
LEA COUNTY RGNL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 3, AMDT 2
13 NOVEMBER 2014

SUP:
AMDT: 1
DATED: 08/27/2009

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

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



CITY AND STATE HOBBS, NM	ELEVATION: 3661	THRE: 3652	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 3, AMDT 2 13 NOVEMBER 2014	SUP:
	AIRPORT NAME: LEA COUNTY RGNL	AMDT: 1			
	DATED: 08/27/2009				

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

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CITY AND STATE HOBBS, NM	ELEVATION: 3661	THRE: 3652	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 3, AMDT 2 13 NOVEMBER 2014	SUP:
	AIRPORT NAME:				AMDT: 1
	LEA COUNTY RGNL				DATED: 08/27/2009

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

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FAS DATA BLOCK INFORMATIONDATA FIELDDATA

OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KHOB
RUNWAY	RW03
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W03A
LTP/FTP LATITUDE	324043.2830N
LTP/FTP LONGITUDE	1031333.1385W
LTP/FTP ELLIPSOIDAL HEIGHT	+10915
FPAP LATITUDE	324146.2950N
FPAP LONGITUDE	1031218.3495W
THRESHOLD CROSSING HEIGHT (TCH)	00048.4
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0496
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER

6180854F

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K2
LTP ORTHOMETRIC HEIGHT	+11132
FPAP ORTHOMETRIC HEIGHT	+11132



CITY AND STATE HOBBS, NM	ELEVATION: 3661 THRE: 3652	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 3, AMDT 2 13 NOVEMBER 2014	SUP:
	AIRPORT NAME: LEA COUNTY RGNL			AMDT: 1
	DATED: 08/27/2009			

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[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KHOBK2FR03	AANEEL	010ANEELK4EA0E	IF						18000		A JS	
SUSAP	KHOBK2FR03	AANEEL	020CIMIDK2EA0E	A 020TF		27200237		+ 05600				A JS	
SUSAP	KHOBK2FR03	AANEEL	030FIBGAK2EA0EE	B 010TF		32810070		+ 05600				A JS	
SUSAP	KHOBK2FR03	ADEKEC	010DEKECK4EA0E	IF						18000		A JS	
SUSAP	KHOBK2FR03	ADEKEC	020FIBGAK2EA0EY	020TF		21970247		+ 05600				A JS	
SUSAP	KHOBK2FR03	ADEKEC	030FIBGAK2EA0EE	AR HF		03800050		+ 05600				A JS	
SUSAP	KHOBK2FR03	AKUCEY	010KUCEYK2EA0E	IF						19000		A JS	
SUSAP	KHOBK2FR03	AKUCEY	020BUMIWK2EA0E	A 020TF		15610111		+ 05600				A JS	
SUSAP	KHOBK2FR03	AKUCEY	030FIBGAK2EA0EE	B 010TF		10800070		+ 05600				A JS	
SUSAP	KHOBK2FR03	AWUDRU	010WUDRUK2EA0E	A IF						18000		A JS	
SUSAP	KHOBK2FR03	AWUDRU	020FIBGAK2EA0EE	B 010TF		06440187		+ 05600				A JS	
SUSAP	KHOBK2FR03	R	010FIBGAK2EA0E	I IF				+ 05600		18000		A JS	
SUSAP	KHOBK2FR03	R	020JISKYK2EA1E	F 051TF		03800066		+ 04800			RW03 K2PGA	JS	
SUSAP	KHOBK2FR03	R	020JISKYK2EA2WALPV		ALNAV/VNAV	ALNAV						JS	
SUSAP	KHOBK2FR03	R	030RW03 K2PGOGY	M 031TF		03810035		03701		-300		A JS	
SUSAP	KHOBK2FR03	R	040	0 M CA		0381		+ 03902				A JS	
SUSAP	KHOBK2FR03	R	050DEKECK4EA0EY	DF				+ 06000				A JS	
SUSAP	KHOBK2FR03	R	060DEKECK4EA0EE	R HM		22270060		+ 06000				A JS	

[illegible]

CITY AND STATE HOBBS, NM	ELEVATION: 3661 THRE: 3652 AIRPORT NAME: LEA COUNTY RGNL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 3, AMDT 2 13 NOVEMBER 2014	SUP:
				AMDT: 1
				DATED: 08/27/2009

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[illegible]

CITY AND STATE HOBBS, NM	ELEVATION: 3661 THRE: 3652 AIRPORT NAME: LEA COUNTY RGNL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 3, AMDT 2 13 NOVEMBER 2014	SUP:
				AMDT: 1
				DATED: 08/27/2009

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

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ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	ANEEL	ANEEL	010		IF		FB					
	ANEEL	CIMID	020	IAF	TF		FB	2.0	272.0 (279.0T)	023.7	AA 05600	
	ANEEL	FIBGA	030		TF		FB	1.0	328.1 (335.1T)	007.0	AA 05600	
	DEKEC	DEKEC	010		IF		FB					
	DEKEC	FIBGA	020		TF		FO	2.0	219.7 (226.7T)	024.7	AA 05600	
	DEKEC	FIBGA	030	IAF	HF	R	FO		038.0 (045.0T)	005.0	AA 05600	
	KUCEY	KUCEY	010		IF		FB					
	KUCEY	BUMIW	020	IAF	TF		FB	2.0	156.1 (163.1T)	011.1	AA 05600	
	KUCEY	FIBGA	030		TF		FB	1.0	108.0 (115.0T)	007.0	AA 05600	
	WUDRU	WUDRU	010	IAF	IF		FB					
	WUDRU	FIBGA	020		TF		FB	1.0	064.4 (071.4T)	018.7	AA 05600	
		FIBGA	010	FACF	IF		FB				AA 05600	
		JISKY	020	FAF	TF		FB	0.5	038.0 (045.0T)	006.6	AA 04800	
		RW03	030	MAP	TF		FO	0.3	038.1 (045.1T)	003.5	AT 03701	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		038.1 (045.1T)		AA 03902	
	DEKEC	050		DF		FO				AA 06000	
	DEKEC	060		HM	R	FO		222.7 (229.7T)	006.0	AA 06000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	ANEEL	N322336.93	W1025045.73	N3223.616	W10250.762
	BUMIW	N323636.40	W1032926.57	N3236.607	W10329.443
	CIMID	N322717.10	W1031826.39	N3227.285	W10318.440
	DEKEC	N325041.17	W1030039.19	N3250.686	W10300.653
	FIBGA	N323338.63	W1032156.01	N3233.644	W10321.934
	JISKY	N323816.75	W1031626.89	N3238.279	W10316.448
	KUCEY	N324716.63	W1033316.68	N3247.277	W10333.278
	WUDRU	N322741.12	W1034257.09	N3227.685	W10342.952
	RW03	N324043.28	W1031333.14	N3240.721	W10313.552

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW03	03652	48

CITY AND STATE HOBBS, NM	ELEVATION: 3661	THRE: 3652	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME: LEA COUNTY RGNL		RNAV	RNAV (GPS) RWY 3, AMDT 2 13 NOVEMBER 2014	AMDT: 1
	DATED: 08/27/2009				

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: RW21 CLIMB TO 5600 DIRECT FIBGA AND HOLD. ADDITIONAL FLIGHT DATA: HOLD SW, RT, 038.02 INBOUND. CHART FAS OBST: 3767 ANT 324256N/1031028W DISTANCE TO THLD FROM 250 HATH: 0.65 NM. CHART VDP AT 1.03 MILES TO RW21* *LNAV ONLY. WAAS CHANNEL # 82735 REFERENCE PATH ID: W21A CHART CIRCLING ICON. LTP HAE: 1089.7 M						
ANEEL		ZEGBO (FB)		346.04 / 23.31			6000								
HOB VORTAC		DEKEC (FO)		039.53 / 18.00			6000								
ZEGBO (IAF)		DEKEC (NOPT) (FB)		298.13 / 6.74			6000								
DEKEC (IF/IAF)		ROBRY (FB)		222.73 / 7.85			5500								
ROBRY (FAF)		KOYES/2.30 NM TO RW21 (FB)		218.15 / 3.38											
KOYES/2.30 NM TO RW21		RW21 (MAP) (FO)		218.15 / 2.30											
(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 NE DEKEC, RT, 222.73 INBOUND, 6000 FT. IN LIEU OF PT (IAF) 3. FAC: <u>218.15</u> FAF: <u>ROBRY</u> DIST FAF TO MAP: <u>5.68</u> THLD: <u>5.68</u> 4. MIN. ALT: <u>DEKEC 6000, ROBRY 5500, KOYES/2.30 NM TO RW21 4420*</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>5500</u> GS ALT AT: <u>ROBRY 5500</u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u>3.00</u> TCH: <u>44.0</u> 34:1 IS CLEAR 8. MSA FROM: <u>RW21 6200</u>															
										MAG VAR: 7E 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	3896	3/4	250	3896	3/4	250	3896	3/4	250	3896	3/4	250			
LNAV/VNAV DA	3896	3/4	250	3896	3/4	250	3896	3/4	250	3896	3/4	250			
LNAV MDA	4020	3/4	374	4020	3/4	374	4020	1	374	4020	1	374			
CIRCLING	4120	1	459	4140	1	479	4440	2 1/4	779	4440	2 1/2	779			
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -22C (-7F) OR ABOVE 53C (128F). CHART NOTE: DME/DME RNP-0.3 NA. *LNAV ONLY (SEE FORM 8260-10)															
CITY AND STATE				ELEVATION: 3661 THRE: 3646			FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:		
HOBBS, NM				AIRPORT NAME:			RNAV		RNAV (GPS) RWY 21, AMDT 1				AMDT: ORIG-A		
				LEA COUNTY RGNL					13 NOVEMBER 2014				DATED 08/28/2008		



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
RW21 (MAP)	3896 MSL	218.15	
3896 MSL	FIBGA (FO)		5600

NOTES, (CONT.):

CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO LNAV/VNAV ALL CATS AND LNAV CATS C/D.
 CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE CARLSBAD ALTIMETER SETTING AND INCREASE ALL DA 281 FEET AND ALL MDA 300 FEET, INCREASE LPV AND LNAV/VNAV ALL CATS VISIBILITY 7/8 MILE, LNAV CATS C/D AND CIRCLING CAT C VISIBILITY 3/4 MILE, AND CIRCLING CAT D VISIBILITY 1/2 MILE.
 CHART NOTE: BARO-VNAV AND VDP NA WHEN USING CARLSBAD ALTIMETER SETTING.
 CHART NOTE: FOR INOPERATIVE ODALS WHEN USING CARLSBAD ALTIMETER SETTING, INCREASE LPV AND LNAV/VNAV ALL CATS AND LNAV CATS C/D VIS TO 1 7/8 MILES.

QUALITY
9
CHECKED

CITY AND STATE HOBBS, NM	ELEVATION: 3661	THRE: 3646	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 21, AMDT 1 13 NOVEMBER 2014	SUP:
	AIRPORT NAME:				AMDT: ORIG-A
	LEA COUNTY RGNL				DATED: 08/28/2008

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RNAV - STANDARD
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QUALITY
9
CHECKED

CITY AND STATE HOBBS, NM	ELEVATION: 3661	THRE: 3646	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 21, AMDT 1 13 NOVEMBER 2014	SUP:
	AIRPORT NAME:				AMDT: ORIG-A
	LEA COUNTY RGNL				DATED: 08/28/2008

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
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CITY AND STATE HOBBS, NM	ELEVATION: 3661 THRE: 3646 AIRPORT NAME: LEA COUNTY RGNL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 21, AMDT 1 13 NOVEMBER 2014	SUP:
				AMDT: ORIG-A
				DATED: 08/28/2008

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
KHOB
RW21
0
0
W21A
324134.9305N
1031231.8280W
+10897
324031.9170N
1031346.6130W
00044.0
F
03.00
106.75
0496
40.0
50.0

CRC REMAINDER

2AE02906

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE
LTP ORTHOMETRIC HEIGHT
FPAP ORTHOMETRIC HEIGHT

K2
+11114
+11114

CITY AND STATE

HOBBS, NM

ELEVATION: 3661

THRE: 3646

AIRPORT NAME:

LEA COUNTY RGNL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 21, AMDT 1

13 NOVEMBER 2014

SUP:

AMDT: ORIG-A

DATED: 08/28/2008

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[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KHOBK2FR21	AANEEL	010ANEELK4EA0E	IF						18000		A JS	
SUSAP	KHOBK2FR21	AANEEL	020ZEGBOK4EA0E	A 020TF		34600233	+	06000				A JS	
SUSAP	KHOBK2FR21	AANEEL	030DEKECK4EA0EE	B 010TF		29810067	+	06000				A JS	
SUSAP	KHOBK2FR21	AHOB	010HOB K2D 0V	IF						18000		A JS	
SUSAP	KHOBK2FR21	AHOB	020DEKECK4EA0EY	020TF		03950180	+	06000				A JS	
SUSAP	KHOBK2FR21	AHOB	030DEKECK4EA0EE	AR HF		22270060	+	06000				A JS	
SUSAP	KHOBK2FR21	R	010DEKECK4EA0E	I IF						18000		A JS	
SUSAP	KHOBK2FR21	R	020ROBRYK2EA1E	F 051TF		22270079	+	05500			RW21 K2PGA	JS	
SUSAP	KHOBK2FR21	R	020ROBRYK2EA2WALPV		ALNAV/VNAV ALNAV							JS	
SUSAP	KHOBK2FR21	R	021KOYESK2EA0E	S 031TF		21820034	V	0442004423		-300		A JS	
SUSAP	KHOBK2FR21	R	030RW21 K2PG0GY M	031TF		21820023		03690		-300		A JS	
SUSAP	KHOBK2FR21	R	040	0 M CA		2182	+	03896				A JS	
SUSAP	KHOBK2FR21	R	050FIBGAK2EA0EY	DF				05600				A JS	
SUSAP	KHOBK2FR21	R	060FIBGAK2EA0EE	R HM		03800050	+	05600				A JS	

[illegible]

DECLASSIFIED

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[illegible]

SUP:	
AMDT:	ORIG-A
DATED:	08/28/2008

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
	ANEEL	ANEEL	010		IF		FB					
	ANEEL	ZEGBO	020	IAF	TF		FB	2.0	346.0 (353.0T)	023.3	AA 06000	
	ANEEL	DEKEC	030		TF		FB	1.0	298.1 (305.1T)	006.7	AA 06000	
	HOB	HOB	010		IF		FB					
	HOB	DEKEC	020		TF		FO	2.0	039.5 (046.5T)	018.0	AA 06000	
	HOB	DEKEC	030	IAF	HF	R	FO		222.7 (229.7T)	006.0	AA 06000	
		DEKEC	010	FACF	IF		FB				AA 06000	
		ROBRY	020	FAF	TF		FB	0.5	222.7 (229.7T)	007.9	AA 05500	
		KOYES	021	SDF	TF		FB	0.3	218.2 (225.2T)	003.4	AA 04420 GS 04423	
		RW21	030	MAP	TF		FO	0.3	218.2 (225.2T)	002.3	AT 03690	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		218.2 (225.2T)		AA 03896	
	FIBGA	050		DF		FO				AA 05600	
	FIBGA	060		HM	R	FO		038.0 (045.0T)	005.0	AA 05600	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	HOB	N323817.66	W1031609.48	N3238.294	W10316.158
	ANEEL	N322336.93	W1025045.73	N3223.616	W10250.762
	DEKEC	N325041.17	W1030039.19	N3250.686	W10300.653
	FIBGA	N323338.63	W1032156.01	N3233.644	W10321.934
	KOYES	N324312.50	W1031035.94	N3243.208	W10310.599
	ROBRY	N324535.93	W1030745.40	N3245.599	W10307.757
	ZEGBO	N324648.21	W1025406.65	N3246.804	W10254.111
	RW21	N324134.93	W1031231.83	N3241.582	W10312.531

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW21	03646	44



CITY AND STATE HOBBS, NM	ELEVATION: 3661	THRE: 3646	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME: LEA COUNTY RGNL		RNAV	RNAV (GPS) RWY 21, AMDT 1 13 NOVEMBER 2014	AMDT: ORIG-A
				DATED: 08/28/2008	

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.											
TERMINAL ROUTES				MISSED APPROACH											
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LPV: DA LNAV/VNAV: DA LNAV: RW30 CLIMB TO 4700 THEN CLIMBING LEFT TURN TO 6000 DIRECT LISNY AND HOLD. ADDITIONAL FLIGHT DATA: CHART FAS OBST: 3708 TREE 324125N/1031223W CHART: 4015 TOWER 323730N/1030637W DISTANCE TO THLD FROM 250 HATH: 0.65 NM. CHART VDP AT 0.87 MILES TO RW30* *LNAV ONLY. WAAS CHANNEL # 69635 REFERENCE PATH ID: W30A CHART CIRCLING ICON. LTP HAE: 1087.1 M											
TASNE	CUKED (FB)	181.53 / 23.80	6000												
INK VORTAC	IFNOF (FB)	009.97 / 34.57	6000												
HOB VORTAC	LISNY (FO)	109.37 / 12.71	6000												
WUDRU	LISNY (FO)	074.59 / 34.41	6000												
CUKED (IAF)	LISNY (NOPT) (FB)	243.26 / 7.00	6000												
IFNOF (IAF)	LISNY (NOPT) (FB)	353.19 / 7.00	6000												
ANEEL (IAF)	LISNY (NOPT) (FB)	304.77 / 13.51	6000												
(SEE FORM 8260-10)															
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD SE LISNY, RT, 308.18 INBOUND, 6000 FT. IN LIEU OF PT (IAF) 3. FAC: 308.15 FAF: OJIRO DIST FAF TO MAP: 5.71 THLD: 5.71 4. MIN. ALT: LISNY 6000, OJIRO 5500, WAMGI/2.10 NM TO RW30 4340* 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 5500 GS ALT AT: OJIRO 5500 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 44.2 34:1 IS CLEAR 8. MSA FROM: RW30 6200				MAG VAR: 7E 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	3888	3/4	250	3888	3/4	250	3888	3/4	250	3888	3/4	250			
LNAV/VNAV DA	3888	3/4	250	3888	3/4	250	3888	3/4	250	3888	3/4	250			
LNAV MDA	3960	1	322	3960	1	322	3960	1	322	3960	1	322			
CIRCLING	4120	1	459	4140	1	479	4440	2 1/4	779	4440	2 1/2	779			
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -22C (-7F) OR ABOVE 53C (128F). CHART NOTE: DME/DME RNP-0.3 NA. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON INK VORTAC AIRWAY RADIALS 055 CW 070. (SEE FORM 8260-10)															
CITY AND STATE		ELEVATION: 3661 THRE: 3638		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:					
HOBBS, NM		AIRPORT NAME:				RNAV (GPS) RWY 30, AMDT 1 13 NOVEMBER 2014				AMDT: ORIG					
		LEA COUNTY RGNL								DATED 11/22/2005					



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
LISNY (IF/IAF)	OJIRO (FB)	308.18 / 5.99	5500
OJIRO (FAF)	WAMGI/2.10 NM TO RW30 (FB)	308.15 / 3.61	
WAMGI/2.10 NM TO RW30	RW30 (MAP) (FO)	308.15 / 2.10	
RW30 (MAP)	4700 MSL	308.15	4700
4700 MSL	LISNY (FO)		6000

NOTES, (CONT.):

*LNAV ONLY

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

ALL DA 281 FEET AND ALL MDA 300 FEET, INCREASE LPV AND LNAV/VNAV ALL CATS VISIBILITY 1 1/8 MILE,

LNAV CATS C/D AND CIRCLING CAT C VISIBILITY 3/4 MILE, AND CIRCLING CAT D VISIBILITY 1/2 MILE.

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

QUALITY
9
CHECKED

CITY AND STATE
HOBBS, NM

ELEVATION: 3661 **THRE:** 3638
AIRPORT NAME:
LEA COUNTY RGNL

FACILITY IDENTIFIER:
RNAV

PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 30, AMDT 1
13 NOVEMBER 2014

SUP:
AMDT: **ORIG**
DATED: 11/22/2005

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

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CITY AND STATE HOBBS, NM	ELEVATION: 3661 THRE: 3638 AIRPORT NAME: LEA COUNTY RGNL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 30, AMDT 1 13 NOVEMBER 2014	SUP:
				AMDT: ORIG
				DATED: 11/22/2005

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

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CITY AND STATE HOBBS, NM	ELEVATION: 3661 THRE: 3638 AIRPORT NAME: LEA COUNTY RGNL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 30, AMDT 1 13 NOVEMBER 2014	SUP:
				AMDT: ORIG
				DATED: 11/22/2005

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	KHOB
RUNWAY	RW30
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W30A
LTP/FTP LATITUDE	324056.0270N
LTP/FTP LONGITUDE	1031227.1395W
LTP/FTP ELLIPSOIDAL HEIGHT	+10871
FPAP LATITUDE	324159.2710N
FPAP LONGITUDE	1031341.6575W
THRESHOLD CROSSING HEIGHT (TCH)	00044.2
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0920
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER

06DE4B5E

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K2
LTP ORTHOMETRIC HEIGHT	+11087
FPAP ORTHOMETRIC HEIGHT	+11087

CITY AND STATE

HOBBS, NM

ELEVATION: 3661

THRE: 3638

AIRPORT NAME:

LEA COUNTY RGNL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 30, AMDT 1

13 NOVEMBER 2014

SUP:

AMDT: ORIG

DATED: 11/22/2005

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	KHOBK2FR30	AANEEL	010ANEELK4EA0E	A	IF					18000		A	JS
SUSAP	KHOBK2FR30	AANEEL	020LISNYK4EA0EE	B	010TF		30480135	+	06000			A	JS
SUSAP	KHOBK2FR30	AHOB	010HOB K2D 0V		IF					18000		A	JS
SUSAP	KHOBK2FR30	AHOB	020LISNYK4EA0EY		020TF		10940127	+	06000			A	JS
SUSAP	KHOBK2FR30	AHOB	030LISNYK4EA0EE	AR	HF		30820060	+	06000			A	JS
SUSAP	KHOBK2FR30	AINK	010INK K4D 0V		IF					18000		A	JS
SUSAP	KHOBK2FR30	AINK	020IFNOFK2EA0E	A	020TF		01000346	+	06000			A	JS
SUSAP	KHOBK2FR30	AINK	030LISNYK4EA0EE	B	010TF		35320070	+	06000			A	JS
SUSAP	KHOBK2FR30	ATASNE	010TASNEK4EA0E		IF					18000		A	JS
SUSAP	KHOBK2FR30	ATASNE	020CUKEDK4EA0E	A	020TF		18150238	+	06000			A	JS
SUSAP	KHOBK2FR30	ATASNE	030LISNYK4EA0EE	B	010TF		24330070	+	06000			A	JS
SUSAP	KHOBK2FR30	AWUDRU	010WUDRUK2EA0E		IF					18000		A	JS
SUSAP	KHOBK2FR30	AWUDRU	020LISNYK4EA0EY		020TF		07460344	+	06000			A	JS
SUSAP	KHOBK2FR30	AWUDRU	030LISNYK4EA0EE	AR	HF		30820060	+	06000			A	JS
SUSAP	KHOBK2FR30	R	010LISNYK4EA0E	I	IF			+	06000	18000		A	JS
SUSAP	KHOBK2FR30	R	020OJIROK2EA1E	F	051TF		30820060	+	05500		RW30 K2PGA	JS	
SUSAP	KHOBK2FR30	R	020OJIROK2EA2WALPV			ALNAV/VNAV	ALNAV					JS	
SUSAP	KHOBK2FR30	R	021WAMGIK2EA0E	S	031TF		30820036	V	0434004351	-300		A	JS

CITY AND STATE
HOBBS, NM

ELEVATION: 3661 THRE: 3638
AIRPORT NAME:
LEA COUNTY RGNL

FACILITY
IDENTIFIER:

| **RNAV**

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
RNAV (GPS) RWY 30, AMDT 1
13 NOVEMBER 2014

SUP:	
AMDT:	ORIG
DATED:	11/22/2005

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.

30820021	03682	-300	A JS
3082	+ 04700		A JS
	+ 06000		A JS
30820060	+ 06000		A JS

[illegible]

SUP:	
AMDT:	ORIG
DATED:	11/22/2005

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

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ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	ANEEL	ANEEL	010	IAF	IF		FB					
	ANEEL	LISNY	020		TF		FB	1.0	304.8 (311.8T)	013.5	AA 06000	
	HOB	HOB	010		IF		FB					
	HOB	LISNY	020		TF		FO	2.0	109.4 (116.4T)	012.7	AA 06000	
	HOB	LISNY	030	IAF	HF	R	FO		308.2 (315.2T)	006.0	AA 06000	
	INK	INK	010		IF		FB					
	INK	IFNOF	020	IAF	TF		FB	2.0	010.0 (017.0T)	034.6	AA 06000	
	INK	LISNY	030		TF		FB	1.0	353.2 (000.2T)	007.0	AA 06000	
	TASNE	TASNE	010		IF		FB					
	TASNE	CUKED	020	IAF	TF		FB	2.0	181.5 (188.5T)	023.8	AA 06000	
	TASNE	LISNY	030		TF		FB	1.0	243.3 (250.3T)	007.0	AA 06000	
	WUDRU	WUDRU	010		IF		FB					
	WUDRU	LISNY	020		TF		FO	2.0	074.6 (081.6T)	034.4	AA 06000	
	WUDRU	LISNY	030	IAF	HF	R	FO		308.2 (315.2T)	006.0	AA 06000	
		LISNY	010	FACF	IF		FB				AA 06000	
		OJIRO	020	FAF	TF		FB	0.5	308.2 (315.2T)	006.0	AA 05500	
		WAMGI	021	SDF	TF		FB	0.3	308.2 (315.2T)	003.6	AA 04340	GS 04351
		RW30	030	MAP	TF		FO	0.3	308.2 (315.2T)	002.1	AT 03682	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		308.2 (315.2T)		AA 04700	
	LISNY	050		DF	L	FO				AA 06000	
	LISNY	060		HM	R	FO		308.2 (315.2T)	006.0	AA 06000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	HOB	N323817.66	W1031609.48	N3238.294	W10316.158
	INK	N315229.15	W1031437.60	N3152.486	W10314.627
	ANEEL	N322336.93	W1025045.73	N3223.616	W10250.762
	CUKED	N323459.78	W1025453.28	N3234.996	W10254.888
	IFNOF	N322536.55	W1030242.59	N3225.609	W10302.710
	LISNY	N323237.40	W1030240.94	N3232.623	W10302.682
	OJIRO	N323652.79	W1030740.95	N3236.880	W10307.683
	TASNE	N325835.06	W1025042.71	N3258.584	W10250.712
	WAMGI	N323926.57	W1031041.81	N3239.443	W10310.697
	WUDRU	N322741.12	W1034257.09	N3227.685	W10342.952
	RW30	N324056.03	W1031227.14	N3240.934	W10312.452

RUNWAY DATA	THRESHOLD
RWY	ELEVATION TCH

CITY AND STATE HOBBS, NM	ELEVATION: 3661 THRE: 3638	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME: LEA COUNTY RGNL	RNAV	RNAV (GPS) RWY 30, AMDT 1 13 NOVEMBER 2014	AMDT: ORIG
				DATED: 11/22/2005

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

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RW30 03638 44

CITY AND STATE
HOBBS, NM

ELEVATION: **3661** **THRE: 3638**
AIRPORT NAME:
LEA COUNTY RGNL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
RNAV (GPS) RWY 30, AMDT 1
13 NOVEMBER 2014

SUP:
AMDT: **ORIG**
DATED: **11/22/2005**

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION VOR/DME OR TACAN 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: RW21 OR AT 4.49 DME FIX CLIMB TO 6000 DIRECT HOB VORTAC THEN VIA HOB VORTAC R-234 TO DYETT INT/HOB 13.00 DME AND HOLD. ADDITIONAL FLIGHT DATA: HOLD SW, RT, 054.06 INBOUND. CHART FAS OBST: 3767 TWR 324256N/1031028W CHART: 3806 TWR 324237N/1030932W. CHART VDP AT 5.71 DME DISTANCE VDP TO THLD 1.22 MILES. CHART HOB R-113 AT GECKE. CHART HOB R-276 AT HEBIX. CHART HOB R-291 AT KUCEY. ECESA TO RW21: 3.01/44. CHART CIRCLING ICON.							
HOB VORTAC		CRARY/HOB 10.17 DME		032.01 / 10.17				5500									
GECKE/HOB 17.00 DME CCW (IAF)		KNIFE/HOB 17.00 DME (NOPT)		17.00 DME ARC				6000									
HEBIX/HOB 17.00 DME CW (IAF)		KNIFE/HOB 17.00 DME (NOPT)		17.00 DME ARC				6000									
KUCEY/HOB 17.00 DME CW (IAF)		KNIFE/HOB 17.00 DME (NOPT)		17.00 DME ARC				6000									
KNIFE/HOB 17.00 DME (IF)		CRARY/HOB 10.17 DME		212.01 / 6.83 (HOB R-032)				5500									
1. PT <u>L</u> SIDE OF COURSE <u>032.01</u> OUTBOUND <u>5500</u> FT WITHIN <u>10</u> MILES OF <u>CRARY</u> (IAF) 2. _____ 3. FAC <u>212.01</u> FAF <u>CRARY/HOB 10.17 DME</u> DIST FAF TO MAP _____ THLD <u>5.68</u> 4. MIN. ALT <u>CRARY 5500, ECESA/HOB 6.71 DME 4400##</u> 8. MSA FROM: <u>HOB VORTAC 6600</u>														MAG VAR: 11E		EPOCH YEAR: 1965	
MINIMUMS																	
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT										ALTERNATE: N/A		STANDARD @					
CATEGORY =====>		A			B			C			D			E			
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA		
S-21	4080	1	431	4080	1	431	4080	1 1/4	431	4080	1 1/2	431					
CIRCLING	4120	1	459	4140	1	479	4440	2 1/4	779	4440	2 1/2	779					
NOTES: CHART NOTE: VDP NA WITH CARLSBAD ALTIMETER SETTING. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE CARLSBAD ALTIMETER SETTING AND INCREASE ALL MDA 300 FEET; INCREASE S-21 CAT C/D VISIBILITY 3/4 MILE; INCREASE CIRCLING CAT C VISIBILITY 3/4 MILE; INCREASE CIRCLING CAT D VISIBILITY 1/2 MILE. (SEE FORM 8260-10)																	
CITY AND STATE HOBBS, NM		ELEVATION: 3661 AIRPORT NAME: LEA COUNTY RGNL		TDZE: 3649		FACILITY IDENTIFIER: HOB		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: VOR/DME OR TACAN RWY 21, AMDT 9A 13 NOVEMBER 2014						SUP AMDT 9 DATE 09/28/2006			

QUALITY
9
CHECKED

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

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NOTES, (CONT.):

CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY.

CHART NOTE: STRAIGHT-IN MINIMUMS NA WHEN USING CARLSBAD ALTIMETER SETTING.

4700 WHEN USING CARLSBAD ALTIMETER SETTING.

QUALITY
9
CHECKED

CITY AND STATE
HOBBS, NM

ELEVATION: 3661 TDZE: 3649
AIRPORT NAME:
LEA COUNTY RGNL

FACILITY
IDENTIFIER:
HOB

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
VOR/DME OR TACAN RWY 21, AMDT 9A
13 NOVEMBER 2014

SUP:
AMDT: 9
DATED: 09/28/2006

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION VOR OR TACAN 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: 3.27 MILES AFTER HOB VORTAC OR AT 3.27 DME FIX					
YOYUR/HOB 13.00 DME CCW (IAF)		NEETO/HOB 13.00 DME (NOPT)			13.00 DME ARC			6000		CLIMB TO 5000 THEN CLIMBING LEFT TURN TO 6000 DIRECT HOB VORTAC THEN VIA HOB VORTAC R-234 TO DYETT INT/13.00 DME AND HOLD.					
WOKAM/HOB 13.00 DME CCW (IAF)		NEETO/HOB 13.00 DME (NOPT)			13.00 DME ARC			6000							
DYETT INT/HOB 13.00 DME CCW (IAF)		NEETO/HOB 13.00 DME (NOPT)			13.00 DME ARC			6000							
ZUSDA/HOB 13.00 DME CW (IAF)		NEETO/HOB 13.00 DME (NOPT)			13.00 DME ARC			6000							
NEETO/HOB 13.00 DME (IF)		HOB VORTAC			031.00 / 13.00			4800		ADDITIONAL FLIGHT DATA: HOLD SW, RT, 054.06 INBOUND. CHART FAS OBST: 3756 POLE 323912N/1031555W CHART VDP AT 2.32 DME DISTANCE VDP TO THLD 0.95 MILES. CHART HOB R-291 AT YOYUR. CHART HOB R-276 AT WOKAM. CHART HOB R-234 AT DYETT. CHART HOB R-113 AT ZUSDA. HOB VORTAC TO RW03: 3.17/48. CHART CIRCLING ICON.					
1. PT <u>L</u> SIDE OF COURSE <u>211.24</u> OUTBOUND <u>5300</u> FT WITHIN <u>10</u> MILES OF <u>HOB VORTAC</u> (IAF)															
2. _____															
3. FAC <u>031.24</u> FAF HOB VORTAC DIST FAF TO MAP <u>3.27</u> THLD <u>3.27</u>															
4. MIN. ALT <u>HOB VORTAC 4800</u>										MAG VAR: 11E EPOCH YEAR: 1965					
8. MSA FROM: <u>HOB VORTAC 6600</u>															
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-3	4020	1/2	368	4020	1/2	368	4020	1/2	368	4020	1	368			
CIRCLING	4120	1	459	4140	1	479	4440	2 1/4	779	4440	2 1/2	779			
NOTES:															
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE CARLSBAD ALTIMETER SETTING AND INCREASE ALL MDA 300 FEET; INCREASE S-3 CAT C VISIBILITY 3/4 MILE, CAT D VISIBILITY 1/2 MILE, INCREASE CIRCLING CAT C VISIBILITY 3/4 MILE; INCREASE CIRCLING CAT D VISIBILITY 1/2 MILE.										@ CAT C 800-2 1/4, CAT D 800-2 1/2 @ NA WHEN LOCAL WEATHER NOT AVAILABLE.					
CHART NOTE: VDP NA WHEN USING CARLSBAD ALTIMETER SETTING.															
CHART NOTE: FOR INOPERATIVE MALSR INCREASE S-3 CAT D VISIBILITY TO 1 1/4 MILES.															
CITY AND STATE HOBBS, NM		ELEVATION: 3661		TDZE: 3652		FACILITY IDENTIFIER: HOB		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: VOR OR TACAN RWY 3, AMDT 21A 13 NOVEMBER 2014				SUP			
		AIRPORT NAME:										AMDT 21			
		LEA COUNTY RGNL										DATE 09/28/2006			



RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33		Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.	
US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION			
TERMINAL ROUTES			MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE
GEE VOR/DME	HUBNI (FB)	020.80 / 8.61	4000
UMAGY	CAMEY (FO)	317.92 / 19.79	3200
HUBNI (IAF)	CAMEY (NOPT) (FB)	081.28 / 7.03	3200
ROC VOR/DME (IAF)	CAMEY (NOPT) (FB)	150.87 / 7.98	3200
CAMEY (IF/IAF)	MCANN (FB)	134.89 / 6.60	2400
MCANN (FAF)	TUDDO/2.00 NM TO RW13 (FB)	134.98 / 2.93	
(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 NW CAMEY, RT, 134.89 INBOUND, 3200 FT. IN LIEU OF PT (IAF) 3. FAC: 134.98 FAF: MCANN DIST FAF TO MAP: 4.93 THLD: 4.93 4. MIN. ALT: CAMEY 3200, MCANN 2400, TUDDO/2.00 NM TO RW13 1460* 5. DIST TO THLD FROM OM: <u> </u> MM: <u> </u> IM: <u> </u> 150 HAT: <u> </u> 100 HAT: <u> </u> GS ANT: <u> </u> 6. MIN GS INCPT: 2400 GS ALT AT: MCANN 2400 OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: 3.00 TCH: 40.0 34:1 IS NOT CLEAR 8. MSA FROM: RW13 3600			LPV: DA LNAV/VNAV: DA LNAV: RW13 CLIMB TO 1300 THEN CLIMBING RIGHT TURN TO 4000 DIRECT UMAGY AND HOLD. CONTINUE CLIMB-IN-HOLD TO 4000. ADDITIONAL FLIGHT DATA: HOLD E, RT, 283.21 INBOUND. CHART FAS OBST: 929 TREE 425451N/0772139W DISTANCE TO THLD FROM 252 HAT: 0.67 NM. CHART VDP AT 1.10 MILES TO RW13* *LNAV ONLY. WAAS CHANNEL # 45725 REFERENCE PATH ID: W13A CHART CIRCLING ICON. LTP HAE: 205.6 M
			MAG VAR: 12W EPOCH YEAR: 2000
MINIMUMS			
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT		ALTERNATE: N A X	
CATEGORY =====>	A		B
	DH/MDA	VIS	HAT/HAA
LPV DA	1056	7/8	252
LNAV/VNAV DA	1251	1 1/2	447
LNAV MDA	1180	1	376
	DH/MDA	VIS	HAT/HAA
	1056	7/8	252
	1251	1 1/2	447
	1180	1	376
	DH/MDA	VIS	HAT/HAA
	1056	7/8	252
	1251	1 1/2	447
	1180	1 1/8	376
	DH/MDA	VIS	HAT/HAA
	1056	7/8	252
	1251	1 1/2	447
	1180	1 1/8	376
	DH/MDA	VIS	HAT/HAA
	1056	7/8	252
	1251	1 1/2	447
	1180	1 1/8	376
	DH/MDA	VIS	HAT/HAA
	1056	7/8	252
	1251	1 1/2	447
	1180	1 1/8	376
	DH/MDA	VIS	HAT/HAA
	1056	7/8	252
	1251	1 1/2	447
	1180	1 1/8	376
	DH/MDA	VIS	HAT/HAA
	1056	7/8	252
	1251	1 1/2	447
	1180	1 1/8	376
	DH/MDA	VIS	HAT/HAA
	1056	7/8	252
	1251	1 1/2	447
	1180	1 1/8	376
	DH/MDA	VIS	HAT/HAA
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	1251	1 1/2	447
	1180	1 1/8	376
	DH/MDA	VIS	HAT/HAA
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	DH/MDA	VIS	HAT/HAA
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	DH/MDA	VIS	HAT/HAA
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	DH/MDA	VIS	HAT/HAA
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	1251	1 1/2	447
	1180	1 1/8	376
	DH/MDA	VIS	HAT/HAA
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	1251	1 1/2	447
	1180	1 1/8	376
	DH/MDA	VIS	HAT/HAA
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	DH/MDA	VIS	HAT/HAA
	1056	7/8	252
	1251	1 1/2	447
	1180	1 1/8	376
	DH/MDA	VIS	HAT/HAA
	1056	7/8	252
	1251	1 1/2	447
	1180	1 1/8	376
	DH/MDA	VIS	HAT/HAA
	1056	7/8	252
	1251	1	

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
TUDDO/2.00 NM TO RW13	RW13 (MAP) (FO)	134.98 / 2.00	
RW13 (MAP)	1300 MSL	134.98	1300
1300 MSL	UMAGY (FO)		4000

NOTES, (CONT.):

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

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

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C (4F) OR ABOVE 54C (130F.)

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON ROC VOR/DME AIRWAY RADIALS 076 CW 132.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT GEE VOR/DME ON V252 SOUTHEAST BOUND.

QUALITY
CHECKED

CITY AND STATE
CANANDAIGUA, NY

ELEVATION: 814 TDZE: 804
 AIRPORT NAME:
 CANANDAIGUA

FACILITY
IDENTIFIER:
RNAV

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

SUP:
 AMDT: 1
 DATED: 08/25/2011

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

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

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

OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	D38
RUNWAY	RW13
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W13A
LTP/FTP LATITUDE	425446.8590N
LTP/FTP LONGITUDE	0772001.7850W
LTP/FTP ELLIPSOIDAL HEIGHT	+02056
FPAP LATITUDE	425358.2570N
FPAP LONGITUDE	0771820.1700W
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	1080
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER

AC807F4D

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+02404
FPAP ORTHOMETRIC HEIGHT	+02404

CITY AND STATE

CANANDAIGUA, NY

ELEVATION: 814

TDZE: 804

AIRPORT NAME:

CANANDAIGUA

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 13, AMDT 2

13 NOVEMBER 2014

SUP:

AMDT:

1

DATED:

08/25/2011

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

[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP D38 K6FR13	AGEE	010GEE	K6D 0V	IF						18000		A JS	
SUSAP D38 K6FR13	AGEE	020HUBNIK6EA0E	A	020TF		02080086	+	04000				A JS	
SUSAP D38 K6FR13	AGEE	030CAMEYK6EA0EE	B	010TF		08130070	+	03200				A JS	
SUSAP D38 K6FR13	AROC	010ROC	K6D 0V	A	IF					18000		A JS	
SUSAP D38 K6FR13	AROC	020CAMEYK6EA0EE	B	010TF		15090080	+	03200				A JS	
SUSAP D38 K6FR13	AUMAGY	010UMAGYK6EA0E		IF						18000		A JS	
SUSAP D38 K6FR13	AUMAGY	020CAMEYK6EA0EY		020TF		31790198	+	03200				A JS	
SUSAP D38 K6FR13	AUMAGY	030CAMEYK6EA0EE	AR	HF		13490040	+	03200				A JS	
SUSAP D38 K6FR13	R	010CAMEYK6EA0E	I	IF			+	03200		18000		A JS	
SUSAP D38 K6FR13	R	020MCANNK6EA1E	F	051TF		13490066	+	02400			RW13	K6PGA	JS
SUSAP D38 K6FR13	R	020MCANNK6EA2WALPV			ALNAV/VNAV	ALNAV							JS
SUSAP D38 K6FR13	R	021TUDDOK6EA0E	S	031TF		13500029	V	0146001466		-300		A JS	
SUSAP D38 K6FR13	R	030RW13	K6PGOGY	M	031TF	13500020		00829		-300		A JS	
SUSAP D38 K6FR13	R	040	0	M	CA	1350	+	01300				A JS	
SUSAP D38 K6FR13	R	050UMAGYK6EA0EY	R	DF			+	04000				A JS	
SUSAP D38 K6FR13	R	060UMAGYK6EA0EE	R	HM		28320040	+	04000				A JS	

[illegible]

CITY AND STATE CANANDAIGUA, NY	ELEVATION: 814 AIRPORT NAME: CANANDAIGUA	TDZE: 804 RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 13, AMDT 2 13 NOVEMBER 2014	SUP:
				AMDT: 1
				DATED: 08/25/2011

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.

[illegible]

CITY AND STATE CANANDAIGUA, NY	ELEVATION: 814 TDZE: 804	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME: CANANDAIGUA	RNAV	RNAV (GPS) RWY 13, AMDT 2	AMDT: 1
			13 NOVEMBER 2014	DATED: 08/25/2011

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

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

ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	GEE	GEE	010		IF		FB					
	GEE	HUBNI	020	IAF	TF		FB	2.0	020.8 (008.8T)	008.6	AA 04000	
	GEE	CAMEY	030		TF		FB	1.0	081.3 (069.3T)	007.0	AA 03200	
	ROC	ROC	010	IAF	IF		FB					
	ROC	CAMEY	020		TF		FB	1.0	150.9 (138.9T)	008.0	AA 03200	
	UMAGY	UMAGY	010		IF		FB					
	UMAGY	CAMEY	020		TF		FO	2.0	317.9 (305.9T)	019.8	AA 03200	
	UMAGY	CAMEY	030	IAF	HF	R	FO		134.9 (122.9T)	004.0	AA 03200	
		CAMEY	010	FACF	IF		FB				AA 03200	
		MCANN	020	FAF	TF		FB	0.5	134.9 (122.9T)	006.6	AA 02400	
		TUDDO	021	SDF	TF		FB	0.3	135.0 (123.0T)	002.9	AA 01460 GS 01466	
		RW13	030	MAP	TF		FO	0.3	135.0 (123.0T)	002.0	AT 00829	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		135.0 (123.0T)		AA 01300	
	UMAGY	050		DF	R	FO				AA 04000	
	UMAGY	060		HM	R	FO		283.2 (271.2T)	004.0	AA 04000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	GEE	N425003.83	W0774357.90	N4250.064	W07743.965
	ROC	N430704.66	W0774022.06	N4307.078	W07740.368
	CAMEY	N430103.51	W0773312.57	N4301.059	W07733.210
	HUBNI	N425834.61	W0774210.20	N4258.577	W07742.170
	MCANN	N425728.16	W0772539.73	N4257.469	W07725.662
	TUDDO	N425552.28	W0772218.73	N4255.871	W07722.312
	UMAGY	N424928.77	W0771121.52	N4249.480	W07711.359
	RW13	N425446.86	W0772001.79	N4254.781	W07720.030

RUNWAY DATA	THRESHOLD	ELEVATION	TCH
RWY			
RW13	00789		40

RECEIVED
08/25/2011

CITY AND STATE CANANDAIGUA, NY	ELEVATION: 814	TDZE: 804	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 13, AMDT 2 13 NOVEMBER 2014	SUP:
	AIRPORT NAME: CANANDAIGUA				AMDT: 1
					DATED: 08/25/2011

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.
CANANDAIGUA, NY	CANANDAIGUA	13 NOVEMBER 2014	1

TAKEOFF MINIMUMS:

STANDARD

TEXTUAL DEPARTURE PROCEDURES:

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 13, GROUND 28 FT FROM DER, 301 FT LEFT OF CENTERLINE, 818 FT MSL. TREES BEGINNING 76 FT FROM DER, 444 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/901 FT MSL. TREES BEGINNING 1147 FT FROM DER, 164 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/855 FT MSL.

NOTE: RWY 31, GROUND 6 FT FROM DER, 489 FT LEFT OF CENTERLINE, 797 FT MSL. POLE 197 FT FROM DER, 390 FT RIGHT OF CENTERLINE, 39 FT AGL/823 FT MSL. TREES BEGINNING 850 FT FROM DER, 146 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/873 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.
CANANDAIGUA, NY	CANANDAIGUA	13 NOVEMBER 2014	1

REMARKS:

RESTRICTED AREA R-5203 NORTH.

FLIGHT INSPECTED BY:

Martha Parish

8/15/14

REQUIRED EFFECTIVE DATE:

ROUTINE

DEVELOPED BY:

PETE GETZ
(MICAH DOEDEN)

AJV-352

8/30/2013

APPROVED BY:

SUE CRUMB

AJV-352

SEP 02 2014

COORDINATED WITH:

ALPA, AOPA, NBAA, EST FPO, ZOB, AMGR, ROC APP CON.

CHANGES:

UPDATED TAKEOFF OBSTACLE NOTES.

REASONS:

RUNWAY 13 EXTENSION.

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.
CIRCLEVILLE, OH	PICKAWAY COUNTY MEMORIAL	13 NOVEMBER 2014	ORIG

TAKEOFF MINIMUMS:

RWY 1, 19 STANDARD.

TEXTUAL DEPARTURE PROCEDURES:

RWY 1 – CLIMB HEADING 008.12 TO 1300 BEFORE TURNING LEFT.

VISUAL CLIMB OVER AIRPORT:

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 1, VEHICLE ON ROAD BEGINNING 7 FT FROM DER, 447 FT RIGHT OF CENTERLINE, UP TO 15 FT AGL/697 FT MSL. RUNWAY END IDENTIFIER LIGHT WITH ELECTRICAL SYSTEM 41 FT FROM DER, 79 FT RIGHT OF CENTERLINE, 5 FT AGL/687 FT MSL. RUNWAY END IDENTIFIER LIGHT WITH ELECTRICAL SYSTEM 42 FT FROM DER, 82 FT LEFT OF CENTERLINE, 3 FT AGL/687 FT MSL. FENCE BEGINNING 177 FT FROM DER, 250 FT LEFT OF CENTERLINE, UP TO 12 FT AGL/694 FT MSL. POLES BEGINNING 345 FT FROM DER, 518 FT RIGHT OF CENTERLINE, UP TO 42 FT AGL/721 FT MSL. VEHICLE ON ROAD BEGINNING 649 FT FROM DER, 16 FT LEFT OF CENTERLINE, UP TO 15 FT AGL/703 FT MSL. POLE 667 FT FROM DER, 521 FT LEFT OF CENTERLINE, 29 FT AGL/711 FT MSL. TREE 1887 FT FROM DER, 184 FT RIGHT OF CENTERLINE, 54 FT AGL/740 FT MSL. TREE 2251 FT FROM DER, 189 FT LEFT OF CENTERLINE, 59 FT AGL/745 FT MSL.

NOTE: RWY 19, TERRAIN BEGINNING 108 FT FROM DER, 267 FT RIGHT OF CENTERLINE, UP TO 669 FT MSL. TREES BEGINNING 261 FT FROM DER, 64 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/755 FT MSL. TREES BEGINNING 765 FT FROM DER, 99 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/737 FT MSL.

CONTROLLING OBSTACLES:

OBSTACLES MANDATING ODP ROUTE DEVELOPMENT: RWY 1 - 1916 FT MSL TOWER 393520.00N/0830644.00W.



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.
CIRCLEVILLE, OH	PICKAWAY COUNTY MEMORIAL	13 NOVEMBER 2014	ORIG

REMARKS:

FLIGHT INSPECTED BY:

Michael George Hustak

DEVELOPED BY:

STEVEN NELSON

APPROVED BY:

GEORGE GONZALEZ
MANAGER

COORDINATED WITH:

AOPA, NBAA, ZID, AMGR.

CHANGES:

ORIGINAL.

REASONS:

IAW 8260.46D.

REQUIRED EFFECTIVE DATE:

ROUTINE

8/20/14

07/08/2014

AUG 28 2014



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: PDT 4.63 DME FIX CLIMB TO 4000 DIRECT PDT VORTAC AND HOLD, CONTINUE CLIMB-IN-HOLD TO 4000, OR AS DIRECTED BY ATC. ALTERNATE MA: CLIMB TO 2020 THEN CLIMBING RIGHT TURN TO 4400 ON HEADING 300 AND ON PSC VOR/DME R-153 TO GINLE/PSC 15.12 DME AND HOLD. ADDITIONAL FLIGHT DATA: HOLD W, RT, 073.00 INBOUND. CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD SE GINLE/PSC 15.12 DME, RT, 332.72 INBOUND. CHART FAS OBST: 1598 TOWER 454127N/1184722W 1756 AAO 454148N/1183657W. CHART PDT R-290 AT LACIB. CHART PDT R-328 AT GINLE. CHART PDT R-029 AT ZUTED. CHART PDT R-117 AT HEKPI. CHART PDT R-095 AT EYUYA. CHART CIRCLING ICON.											
ALW VOR/DME (IAF)	GARYC/PDT 20.00 DME	176.98 / 24.56	5600												
LACIB/PDT 20.00 DME CW (IAF)	GINLE/PDT 20.00 DME	20.00 DME ARC	5600												
GINLE/PDT 20.00 DME CW (IAF)	ZUTED/PDT 20.00 DME	20.00 DME ARC	5600												
ZUTED/PDT 20.00 DME CW (IAF)	GARYC/PDT 20.00 DME	20.00 DME ARC	5600												
HEKPI/PDT 20.00 DME CCW (IAF)	EYUYA/PDT 20.00 DME	20.00 DME ARC	5900												
(SEE FORM 8260-10)															
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. PROFILE STARTS AT GARYC/PDT 20.00 DME 3. FAC: <u>253.86</u> FAF: FAVUB/PDT 13.09 DME DIST FAF TO MAP: <u> </u> THLD: <u>8.46</u> 4. MIN. ALT: GARYC 5600, REYOT 4800, FAVUB 4300, SAYOS/PDT 7.09 DME 2320* 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>1051</u> 6. MIN GS INCPT: <u>4300</u> GS ALT AT: FAVUB 4300 OM: <u> </u> - MM: <u> </u> - IM: <u> </u> 7. GS ANGLE: <u>3.00</u> TCH: <u>55.1</u> 8. MSA FROM: PDT VORTAC 360-090 6100, 090-180 6500, 180-360 5800															
				MAG VAR: 16E EPOCH YEAR: 2005											
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 25 #	1687	2400	200	1687	2400	200	1687	2400	200	1687	2400	200			
S-LOC 25	1860	2400	373	1860	2400	373	1860	3500	373	1860	4000	373			
CIRCLING	1920	1	423	1960	1	463	1980	1 1/2	483	2200	2 1/4	703			
NOTES: CHART NOTE: DME FROM PDT VORTAC. SIMULTANEOUS RECEPTION OF I-PDT AND PDT DME REQUIRED. CHART PROFILE NOTE: VGSi AND ILS GLIDEPATH NOT COINCIDENT. *LOC ONLY CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE WALLA WALLA ALTIMETER SETTING AND (SEE FORM 8260-10)															
CITY AND STATE PENDLETON, OR				ELEVATION: 1497 TDZE: 1487 AIRPORT NAME: EASTERN OREGON RGNL AT PENDLETON		FACILITY IDENTIFIER: I-PDT		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC/DME RWY 25, AMDT 25A, 11/13/2014				SUP: AMDT: 25 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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TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
EYUYA/PDT 20.00 DME CCW (IAF)	GARYC/PDT 20.00 DME	20.00 DME ARC	5600
GARYC/PDT 20.00 DME (IF)	REYOT/PDT 15.00 DME	253.86 / 5.00 (I-PDT)	4800
REYOT/PDT 15.00 DME	FAVUB/PDT 13.09 DME	253.86 / 1.91 (I-PDT)	4300

NOTES, (CONT.):

INCREASE ALL DA/MDA 120 FEET AND S-LOC 25 CAT C/D VISIBILITY 1/4 MILE, CIRCLING CAT C VISIBILITY 1/4 MILE AND CIRCLING CAT D VISIBILITY 1/2 MILE.

CHART NOTE: FOR INOPERATIVE MALSR WHEN USING WALLA WALLA ALTIMETER SETTING INCREASE S-ILS 25 VISIBILITY ALL CATS TO 1 MILE.

RVR 1800 AUTHORIZED WITH USE OF FD OR AP OR HUD TO DA, NA WHEN USING WALLA WALLA ALTIMETER SETTING.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT ALW VOR/DME ON V357 NORTHWEST BOUND.



CITY AND STATE

PENDLETON, OR

ELEVATION: 1497

TDZE: 1487

AIRPORT NAME:

EASTERN OREGON RGNL AT PENDLETON

FACILITY
IDENTIFIER:
I-PDT

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
ILS OR LOC/DME RWY 25, AMDT 25A, 11/13/2014

SUP:

AMDT: 25

DATED: 07/02/2009

FLIGHT STANDARDS SERVICES - FAR PART 97.29

Page 3 of 10 Pages

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - FAR PART 97.29

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SUSAP KPDTK1FI25	AZUTED	010ZUTEDK1EA0E	A	IF PDT K1	02900200	D	18000	0 NS
SUSAP KPDTK1FI25	AZUTED	020GARYCK1PC0EE	BR	AF PDT K1	070302000290	D	+ 05600	0 NS
SUSAP KPDTK1FI25	I	010GARYCK1PC0E	I	IF IPDTK1	07380166	PI	J 056000430018000	0 NS
SUSAP KPDTK1FI25	I	011REYOTK1PC0E	S	CF IPDTK1	0738011625400050PI	+	04800	0 NS
SUSAP KPDTK1FI25	I	020FAVUBK1PC0E	F	CF IPDTK1	0738009725400019PI	H	0430004300 -300PDT	K1D 0 NS
SUSAP KPDTK1FI25	I	030RW25 K1PG0GY	M	CF IPDTK1	0738001225400085PI		01542 -300	0 NS
SUSAP KPDTK1FI25	I	040PDT K1D OVYM		DF		+	04000	0 NS
SUSAP KPDTK1FI25	I	050PDT K1D OVE	R	HM	0730T010	+	04000	0 NS

	1	2	3	4	5	6	7	8	9	0	1	2	3
RUNWAY	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP KPDTK1GRW25	0063012539	N45414338W118494338+0000											

	1	2	3	4	5	6	7	8	9	0	1	2	3
ILS	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP KPDTK1IIPDT1	011030RW25	N45414319W1185125962539N45414681W1184958190982											

	1	2	3	4	5	6	7	8	9	0	1	2	3
MSA	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP KPDTK1SPDT	K1D	0	180270061252703600652536018005825										M

CITY AND STATE
PENDLETON, OR

ELEVATION: 1497 TDZE: 1487
AIRPORT NAME:
EASTERN OREGON RGNL AT PENDLETON

FACILITY
IDENTIFIER:
I-PDT

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
ILS OR LOC/DME RWY 25, AMDT 25A
11/13/2014

SUP:
AMDT: 25
DATED: 07/02/2009

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - FAR PART 97.29

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ARINC SUMMARY - 424-18 - ILS

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
ALW	ALW	ALW	010	IAF	FC		FB		177.0()	022.6	AA 05600	
ALW	GARYC	GARYC	020		CF		FB		177.0()	002.0	AA 05600	
EYUYA	EYUYA	EYUYA	010	IAF	IF		FB					
EYUYA	GARYC	GARYC	020		AF	L	FB		094.8()		AA 05600	
GINLE	GINLE	GINLE	010	IAF	IF		FB					
GINLE	ZUTED	ZUTED	020		AF	R	FB		327.7()		AA 05600	
GINLE	GARYC	GARYC	030		AF	R	FB		029.0()		AA 05600	
HEKPI	HEKPI	HEKPI	010	IAF	IF		FB					
HEKPI	EYUYA	EYUYA	020		AF	L	FB		116.6()		AA 05900	
HEKPI	GARYC	GARYC	030		AF	L	FB		094.8()		AA 05600	
LACIB	LACIB	LACIB	010	IAF	IF		FB					
LACIB	GINLE	GINLE	020		AF	R	FB		290.3()		AA 05600	
LACIB	ZUTED	ZUTED	030		AF	R	FB		327.7()		AA 05600	
LACIB	GARYC	GARYC	040		AF	R	FB		029.0()		AA 05600	
ZUTED	ZUTED	ZUTED	010	IAF	IF		FB					
ZUTED	GARYC	GARYC	020		AF	R	FB		029.0()		AA 05600	
	GARYC	GARYC	010	FACF	IF		FB				AA 05600	GI 04300
	REYOT	REYOT	011	SDF	CF		FB		254.0()	005.0	AA 04800	
	FAVUB	FAVUB	020	FAF	CF		FB		254.0()	001.9	GI 04300	GS 04300
	RW25	RW25	030	MAP	CF		FO		254.0()	008.5	AT 01542	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	PDT	040		DF		11/13/2014 FO				AA 04000	
	PDT	050		HM	R	FO		073.0()	T01.0	AA 04000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	ALW	N460513.11	W1181733.13	N4605.219	W11817.552
	PDT	N454154.31	W1185619.33	N4541.905	W11856.322
	EYUYA	N453328.53	W1183028.74	N4533.476	W11830.479
	GINLE	N460126.43	W1190225.31	N4601.441	W11902.422
	HEKPI	N452720.21	W1183649.10	N4527.337	W11836.818
	LACIB	N455448.66	W1191809.55	N4554.811	W11918.159
	ZUTED	N455458.87	W1183441.55	N4554.981	W11834.693
	FAVUB	N454143.98	W1183738.96	N4541.733	W11837.649
	GARYC	N454143.53	W1182747.34	N4541.726	W11827.789
	REYOT	N454143.94	W1183455.37	N4541.732	W11834.923
	RW25	N454143.38	W1184943.38	N4541.723	W11849.723
	IPDT (LOC)	N454143.19	W1185125.96	N4541.720	W11851.433

RUNWAY DATA

THRESHOLD

CITY AND STATE PENDLETON, OR	ELEVATION: 1497	TDZE: 1487	FACILITY IDENTIFIER: I-PDT	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: ILS OR LOC/DME RWY 25, AMDT 25A 11/13/2014	SUP:
	AIRPORT NAME: EASTERN OREGON RGNL AT PENDLETON				AMDT: 25
					DATED: 07/02/2009

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - FAR PART 97.29

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RWY	ELEVATION	TCH
RW25	01486	55

CITY AND STATE
PENDLETON, OR

ELEVATION: **1497** TDZE: **1487**
AIRPORT NAME:
EASTERN OREGON RGNL AT PENDLETON

FACILITY
IDENTIFIER:

I-PDT

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
ILS OR LOC/DME RWY 25, AMDT 25A
11/13/2014

SUP:
AMDT: **25**
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	KPDTK1FL25	AALW	010ALW	K1D 0V	A	FC ALW K1	0000000017700226D	+	05600	18000		0	DS
SUSAP	KPDTK1FL25	AALW	020GARYCK1PC0EE	B	CF	IPDTK1	0738016617700020PI	+	05600			0	DS
SUSAP	KPDTK1FL25	AEYUYA	010EYUYAK1EA0E	A	IF	PDT K1	09480200	D		18000		0	DS
SUSAP	KPDTK1FL25	AEYUYA	020GARYCK1PC0EE	BL	AF	PDT K1	070302000948	D	+	05600		0	DS
SUSAP	KPDTK1FL25	AGINLE	010GINLEK1EA0E	A	IF	PDT K1	32770200	D		18000		0	DS
SUSAP	KPDTK1FL25	AGINLE	020ZUTEDK1EA0E	R	AF	PDT K1	029002003277	D	+	05600		0	DS
SUSAP	KPDTK1FL25	AGINLE	030GARYCK1PC0EE	BR	AF	PDT K1	070302000290	D	+	05600		0	DS
SUSAP	KPDTK1FL25	AHEKPI	010HEKPIK1EA0E	A	IF	PDT K1	11660200	D		18000		0	DS
SUSAP	KPDTK1FL25	AHEKPI	020EYUYAK1EA0E	L	AF	PDT K1	094802001166	D	+	05900		0	DS
SUSAP	KPDTK1FL25	AHEKPI	030GARYCK1PC0EE	BL	AF	PDT K1	070302000948	D	+	05600		0	DS
SUSAP	KPDTK1FL25	ALACIB	010LACIBK1EA0E	A	IF	PDT K1	29030200	D		18000		0	DS
SUSAP	KPDTK1FL25	ALACIB	020GINLEK1EA0E	R	AF	PDT K1	327702002903	D	+	05600		0	DS
SUSAP	KPDTK1FL25	ALACIB	030ZUTEDK1EA0E	R	AF	PDT K1	029002003277	D	+	05600		0	DS

CITY AND STATE
PENDLETON, OR

ELEVATION: 1497 TDZE: 1487
AIRPORT NAME:
EASTERN OREGON RGNL AT PENDLETON

FACILITY
IDENTIFIER:
I-PDT

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
ILS OR LOC/DME RWY 25, AMDT 25A
 11/13/2014

SUP:	
AMDT:	25
DATED:	07/02/2009

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

LOC STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - FAR PART 97.25

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SUSAP KPDTK1FL25	ALACIB 040GARYCK1PC0EE BR	AF PDT K1	070302000290	D	+ 05600		0 DS
SUSAP KPDTK1FL25	AZUTED 010ZUTEDK1EA0E A	IF PDT K1	02900200	D		18000	0 DS
SUSAP KPDTK1FL25	AZUTED 020GARYCK1PC0EE BR	AF PDT K1	070302000290	D	+ 05600		0 DS
SUSAP KPDTK1FL25	L 010GARYCK1PC0E I	IF IPDTK1	07380166	PI	+ 05600	18000	0 DS
SUSAP KPDTK1FL25	L 011REYOTK1PC0E S	CF IPDTK1	0738011625400050PI		+ 04800		0 DS
SUSAP KPDTK1FL25	L 020FAVUBK1PC0E F	CF IPDTK1	0738009725400019PI		+ 04300		0 DS
SUSAP KPDTK1FL25	L 021SAYOSK1PC0E S	CF IPDTK1	0738003725400060PI		+ 02320	-308	0 DS
SUSAP KPDTK1FL25	L 030RW25 K1PG0GY M	CF IPDTK1	0738001225400025PI		01542	-308	0 DS
SUSAP KPDTK1FL25	L 040PDT K1D 0VYM	DF			+ 04000		0 DS
SUSAP KPDTK1FL25	L 050PDT K1D 0VE R	HM	0730T010		+ 04000		0 DS

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

SUSAP KPDTK1GRW25 0063012539 N45414338W118494338+0000 +0432101486000055150IIPDT1

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

SUSAP KPDTK1IIPDT1 011030RW25 N45414319W1185125962539N45414681W1184958190982 10510549300E01605501487

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

SUSAP KPDTK1SPDT K1D 0 180270061252703600652536018005825 M

CITY AND STATE
PENDLETON, OR

ELEVATION: 1497 TDZE: 1487
AIRPORT NAME:
EASTERN OREGON RGNL AT PENDLETON

FACILITY
IDENTIFIER:
I-PDT

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
ILS OR LOC/DME RWY 25, AMDT 25A
11/13/2014

SUP:
AMDT: 25
DATED: 07/02/2009

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

LOC STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - FAR PART 97.25

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

ARINC SUMMARY - 424-18 - LOC

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
ALW	ALW	010	IAF	FC			FB		177.0 ()	022.6	AA 05600	
ALW	GARYC	020		CF			FB		177.0 ()	002.0	AA 05600	
EYUYA	EYUYA	010	IAF	IF			FB					
EYUYA	GARYC	020		AF	L		FB		094.8 ()		AA 05600	
GINLE	GINLE	010	IAF	IF			FB					
GINLE	ZUTED	020		AF	R		FB		327.7 ()		AA 05600	
GINLE	GARYC	030		AF	R		FB		029.0 ()		AA 05600	
HEKPI	HEKPI	010	IAF	IF			FB					
HEKPI	EYUYA	020		AF	L		FB		116.6 ()		AA 05900	
HEKPI	GARYC	030		AF	L		FB		094.8 ()		AA 05600	
LACIB	LACIB	010	IAF	IF			FB					
LACIB	GINLE	020		AF	R		FB		290.3 ()		AA 05600	
LACIB	ZUTED	030		AF	R		FB		327.7 ()		AA 05600	
LACIB	GARYC	040		AF	R		FB		029.0 ()		AA 05600	
ZUTED	ZUTED	010	IAF	IF			FB					
ZUTED	GARYC	020		AF	R		FB		029.0 ()		AA 05600	
	GARYC	010	FACF	IF			FB				AA 05600	
	REYOT	011	SDF	CF			FB		254.0 ()	005.0	AA 04800	
	FAVUB	020	FAF	CF			FB		254.0 ()	001.9	AA 04300	
	SAYOS	021	SDF	CF			FB		254.0 ()	006.0	AA 02320	
	RW25	030	MAP	CF			FO		254.0 ()	002.5	AT 01542	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	PDT	040		DF		FO				AA 04000	
	PDT	050		HM	R	FO		073.0 ()	T01.0	AA 04000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	ALW	N460513.11	W1181733.13	N4605.219	W11817.552
	PDT	N454154.31	W1185619.33	N4541.905	W11856.322
	EYUYA	N453328.53	W1183028.74	N4533.476	W11830.479
	GINLE	N460126.43	W1190225.31	N4601.441	W11902.422
	HEKPI	N452720.21	W1183649.10	N4527.337	W11836.818
	LACIB	N455448.66	W1191809.55	N4554.811	W11918.159
	ZUTED	N455458.87	W1183441.55	N4554.981	W11834.693
	FAVUB	N454143.98	W1183738.96	N4541.733	W11837.649
	GARYC	N454143.53	W1182747.34	N4541.726	W11827.789
	REYOT	N454143.94	W1183455.37	N4541.732	W11834.923
	SAYOS	N454143.69	W1184612.54	N4541.728	W11846.209
	RW25	N454143.38	W1184943.38	N4541.723	W11849.723
	IPDT (LOC)	N454143.19	W1185125.96	N4541.720	W11851.433

CITY AND STATE
PENDLETON, OR

ELEVATION: 1497 TDZE: 1487
AIRPORT NAME:
EASTERN OREGON RGNL AT PENDLETON

FACILITY
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I-PDT

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
ILS OR LOC/DME RWY 25, AMDT 25A
11/13/2014

SUP:
AMDT: 25
DATED: 07/02/2009

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

LOC STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - FAR PART 97.25

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RUNWAY DATA

RWY	THRESHOLD ELEVATION	TCH
RW25	01486	55

CITY AND STATE
PENDLETON, OR

ELEVATION: **1497** TDZE: **1487**
AIRPORT NAME:
EASTERN OREGON RGNL AT PENDLETON

FACILITY
IDENTIFIER:
I-PDT

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
ILS OR LOC/DME RWY 25, AMDT 25A
11/13/2014

SUP:
AMDT: **25**
DATED: **07/02/2009**

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		LP: HUBJO LNAV: HUBJO CLIMBING LEFT TURN TO 5300 DIRECT CIFTO AND ON TRACK 015.77 TO EGSOY AND HOLD, CONTINUE CLIMB-IN-HOLD TO 5300. ADDITIONAL FLIGHT DATA: CHART FAS OBST: 1499 TREE 362135N/0840604W CHART FAS OBST: 1359 TREE 362047N/0840903W 1919 AAO 362317N/0840100W 1659 AAO 362137N/0840546W WAAS CHANNEL # 77736 REFERENCE PATH ID: W23A CHART PLANVIEW NOTE: FINAL APPROACH COURSE OFFSET 13.08 DEGREES. CHART CIRCLING ICON FAC CROSSES RWY C/L EXTENDED 3001 FROM THLD. LTP HAE: 329.6 M							
WABUP (IAF)		EGSOY (NOPT) (FB)		164.82 / 5.00			5300									
NOYIB (IAF)		EGSOY (NOPT) (FB)		301.88 / 4.00			5300									
EGSOY (IF/IAF)		FEGTO (FB)		241.84 / 4.00			4500									
FEGTO		JALRO (FB)		241.80 / 4.00			3600									
JALRO (FAF)		JUVKO/2.70 NM TO HUBJO (FB)		241.76 / 4.32												
JUVKO/2.70 NM TO HUBJO		HUBJO (MAP) (FO)		241.76 / 2.70												
HUBJO (MAP)		1580 MSL		241.76												
(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 NE EGSOY, RT, 241.84 INBOUND, 5300 FT. IN LIEU OF PT (IAF) 3. FAC: 241.76 FAF: JALRO DIST FAF TO MAP: 7.02 THLD: 7.51 4. MIN. ALT: EGSOY 5300, FEGTO 4500, JALRO 3600, JUVKO/2.70 NM TO HUBJO 2220 5. DIST TO THLD FROM OM: <u> </u> MM: <u> </u> IM: <u> </u> 150 HAT: <u> </u> 100 HAT: <u> </u> GS ANT: <u> </u> 6. MIN GS INCPT: <u> </u> GS ALT AT: <u> </u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u> </u> TCH: 34:1 IS NOT CLEAR 8. MSA FROM: <u> </u>										MAG VAR: 3W EPOCH YEAR: 1990						
MINIMUMS																
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT							ALTERNATE: N A X									
CATEGORY =====>	A			B			C			D			E			
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	
LP MDA	1640	1	460	1640	1	460		NA			NA					
LNAV MDA	1920	1	740	1920	1	740		NA			NA					
CIRCLING	1920	1	740	1920	1	740		NA			NA					
NOTES: CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE MCGHEE-TYSON ALTIMETER SETTING AND INCREASE ALL MDA 120 FT; INCREASE LNAV CAT B VISIBILITY AND ALL CIRCLING VISIBILITIES 1/4 MILE. CHART NOTE: CIRCLING NA NW OF RWY 05-23. CHART NOTE: DME/DME RNP-0.3 NA. (SEE FORM 8260-10)																
CITY AND STATE				ELEVATION: 1180 TDZE: 1180			FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:			
JACKSBORO, TN				AIRPORT NAME: CAMPBELL COUNTY			RNAV		RNAV (GPS) RWY 23, AMDT 1 13 NOVEMBER 2014				AMDT: ORIG-A			
													DATED 03/10/2011			



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

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TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
1580 MSL	CIFTO (FB)		
CIFTO	EGSOY (FO)	015.77/8.95	5300

NOTES, (CONT.):

CHART NOTE: PROCEDURE NA AT NIGHT.

CHART PROFILE NOTE: DESCENT ANGLE NA.

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

TAA

	FROM	TO	ALT
1.	165/30 CW 302/30 (NOPT)	165/4 CW 302/4	5900
2.	165/4 CW 302/4	EGSOY (IF/IAF) (FB)	5300
3.	302/30 CW 062/30	302/15 CW 062/15	5800
4.	302/15 CW 062/15	NOYIB (IAF) (FB)	5300
5.	062/30 CW 165/30	062/15 CW 165/15	5700
6.	062/15 CW 165/15	WABUP (IAF) (FB)	5400

QUALITY
9
CHECKED

CITY AND STATE

JACKSBORO, TN

ELEVATION: 1180

TDZE: 1180

AIRPORT NAME:

CAMPBELL COUNTY

**FACILITY
IDENTIFIER:**

RNAV

PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 23, AMDT 1

13 NOVEMBER 2014

SUP:

AMDT: ORIG-A

DATED: 03/10/2011

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

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QUALITY
9
CHECKED

CITY AND STATE JACKSBORO, TN	ELEVATION: 1180 AIRPORT NAME: CAMPBELL COUNTY	TDZE: 1180	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 23, AMDT 1 13 NOVEMBER 2014	SUP:
					AMDT: ORIG-A
					DATED: 03/10/2011

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

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FAS DATA BLOCK INFORMATIONDATA FIELDDATA

OPERATION TYPE 0
SBAS SERVICE PROVIDER IDENTIFIER 0
AIRPORT IDENTIFIER KJAU
RUNWAY RW23
APPROACH PERFORMANCE DESIGNATOR 0
ROUTE INDICATOR
REFERENCE PATH DATA SELECTOR 0
REFERENCE PATH IDENTIFIER (APPROACH ID) W23A
LTP/FTP LATITUDE 362022.2530N
LTP/FTP LONGITUDE 0840933.4590W
LTP/FTP ELLIPSOIDAL HEIGHT +03296
FPAP LATITUDE 361935.8630N
FPAP LONGITUDE 0841107.6565W
THRESHOLD CROSSING HEIGHT (TCH) 00000.0
TCH UNITS SELECTOR (METERS OR FEET USED) F
GLIDEPATH ANGLE (GPA) 00.00
COURSE WIDTH AT THRESHOLD 106.75
LENGTH OFFSET 0000
HORIZONTAL ALERT LIMIT (HAL) 40.0
VERTICAL ALERT LIMIT (VAL) 0.0

CRC REMAINDER

86F1BA0B

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K7
LTP ORTHOMETRIC HEIGHT +03596
FPAP ORTHOMETRIC HEIGHT +03596

QUALITY
9
CHECKED

CITY AND STATE

JACKSBORO, TN

ELEVATION: 1180

TDZE: 1180

AIRPORT NAME:

CAMPBELL COUNTY

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 23, AMDT 1

13 NOVEMBER 2014

SUP:

AMDT: ORIG-A

DATED: 03/10/2011

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[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KJ	AUK	7FR	23	AEGSOY	010EGSOYK7EA0EE	AR	HF					
SUSAP	KJ	AUK	7FR	23	ANOYIB	010NOYIBK7EA0E	A	IF				A	JS
SUSAP	KJ	AUK	7FR	23	ANOYIB	020EGSOYK7EA0EE	B	010TF				A	JS
SUSAP	KJ	AUK	7FR	23	AWABUP	010WABUPK7EA0E	A	IF				A	JS
SUSAP	KJ	AUK	7FR	23	AWABUP	020EGSOYK7EA0EE	B	010TF				A	JS
SUSAP	KJ	AUK	7FR	23	R	010EGSOYK7EA0E	I	IF				A	JS
SUSAP	KJ	AUK	7FR	23	R	011FEGTOK7EA0E	S	051TF				A	JS
SUSAP	KJ	AUK	7FR	23	R	020JALROK7EA1E	F	051TF				A	JS
SUSAP	KJ	AUK	7FR	23	R	020JALROK7EA2WALP						JS	
SUSAP	KJ	AUK	7FR	23	R	021JUVKOK7EA0E	S	031TF				A	JS
SUSAP	KJ	AUK	7FR	23	R	030HUBJOK7EA0EY	M	031TF				A	JS
SUSAP	KJ	AUK	7FR	23	R	040		0 M	CA			A	JS
SUSAP	KJ	AUK	7FR	23	R	050CIFTOK7EA0E	L	DF				A	JS
SUSAP	KJ	AUK	7FR	23	R	060EGSOYK7EA0EY		010TF				A	JS
SUSAP	KJ	AUK	7FR	23	R	070EGSOYK7EA0EE	R	HM				A	JS

[illegible][illegible]

CITY AND STATE JACKSBORO, TN	ELEVATION: 1180	TDZE: 1180	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 23, AMDT 1 13 NOVEMBER 2014	SUP:
	AIRPORT NAME: CAMPBELL COUNTY				AMDT: ORIG-A
					DATED: 03/10/2011

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

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SUSAP KJAUK7PR23 RW23 001 0000W23A0N3620222530W08409334590+032960000N3619358630W08411076565106750000000000F40000086F1BA0B
SUSAP KJAUK7PR23 RW23 002E +03596+03596LP 77736

QUALITY
CHECKED

CITY AND STATE JACKSBORO, TN	ELEVATION: 1180 AIRPORT NAME: CAMPBELL COUNTY	TDZE: 1180 FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 23, AMDT 1 13 NOVEMBER 2014	SUP:
				AMDT: ORIG-A
				DATED: 03/10/2011

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

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ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	EGSOY	EGSOY	010	IAF	HF	R	FO		241.8 (238.8T)	005.0	AA 05300	
	NOYIB	NOYIB	010	IAF	IF		FB					
	NOYIB	EGSOY	020		TF		FB	1.0	301.9 (298.9T)	004.0	AA 05300	
	WABUP	WABUP	010	IAF	IF		FB					
	WABUP	EGSOY	020		TF		FB	1.0	164.8 (161.8T)	005.0	AA 05300	
		EGSOY	010	FACF	IF		FB				AA 05300	
		FEGTO	011	SDF	TF		FB	0.5	241.8 (238.8T)	004.0	AA 04500	
		JALRO	020	FAF	TF		FB	0.5	241.8 (238.8T)	004.0	AA 03600	
		JUVKO	021	SDF	TF		FB	0.3	241.8 (238.8T)	004.3	AA 02220	
		HUBJO	030	MAP	TF		FO	0.3	241.8 (238.8T)	002.7	AT 01640	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		241.8 (238.8T)		AA 01580	
	CIFTO	050		DF	L	FB					
	EGSOY	060		TF		FO	1.0	015.8 (012.8T)		AA 05300	
	EGSOY	070		HM	R	FO		241.8 (238.8T)	005.0	AA 05300	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CIFTO	N361941.09	W0835535.28	N3619.685	W08355.588
	EGSOY	N362825.38	W0835308.09	N3628.423	W08353.135
	FEGTO	N362620.95	W0835722.62	N3626.349	W08357.377
	HUBJO	N362037.28	W0840902.93	N3620.621	W08409.049
	JALRO	N362416.38	W0840136.93	N3624.273	W08401.616
	JUVKO	N362201.56	W0840611.57	N3622.026	W08406.193
	NOYIB	N362629.38	W0834847.53	N3626.490	W08348.792
	WABUP	N363310.81	W0835504.15	N3633.180	W08355.069
	RW23	N362016.55	W0840929.17	N3620.276	W08409.486

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW23	01180	00



CITY AND STATE JACKSBORO, TN	ELEVATION: 1180	TDZE: 1180	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME:			RNAV (GPS) RWY 23, AMDT 1	AMDT: ORIG-A
	CAMPBELL COUNTY		RNAV	13 NOVEMBER 2014	DATED: 03/10/2011

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.
WINCHESTER, TN	WINCHESTER MUNI	13 NOVEMBER 2014	2

TAKEOFF MINIMUMS:

RWY 36, STANDARD.

RWY 18, STANDARD WITH MINIMUM CLIMB OF 330 FT PER NM TO 2400, OR 1500-3 FOR CLIMB IN VISUAL CONDITIONS.

TEXTUAL DEPARTURE PROCEDURES:

RWY 18 – CLIMB HEADING 184.71 TO 2300 BEFORE TURNING LEFT.

RWY 36 – CLIMB HEADING 004.71 TO 2000 BEFORE TURNING RIGHT.

VISUAL CLIMB OVER AIRPORT:

RWY 18 – OBTAIN ATC APPROVAL FOR VCOA WHEN REQUESTING IFR CLEARANCE. CLIMB IN VISUAL CONDITIONS TO CROSS WINCHESTER MUNI AIRPORT AT OR ABOVE 2300 BEFORE PROCEEDING ON COURSE.

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 18, TREES BEGINNING 174 FT FROM DER, 387 FT LEFT OF CENTERLINE, UP TO 81 FT AGL/1062 FT MSL. VEHICLES ON ROADWAY BEGINNING 388 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 17 FT AGL/1006 FT MSL. TOWER 726 FT FROM DER, 337 FT LEFT OF CENTERLINE, 31 FT AGL/1018 FT MSL. TREES BEGINNING 1237 FT FROM DER, 539 FT RIGHT OF CENTERLINE, UP TO 126 FT AGL/1057 FT MSL. RISING TERRAIN BEGINNING 3.4 NM FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 2119 FT MSL.

NOTE: RWY 36, RISING TERRAIN AND TREES BEGINNING 97 FT FROM DER, 293 FT LEFT OF CENTERLINE, UP TO 109 FT AGL/1100 FT MSL. VEHICLES ON ROADWAY BEGINNING 817 FT FROM DER, 659 FT LEFT OF CENTERLINE, UP TO 17 FT AGL/996 FT MSL. TREES BEGINNING 2654 FT FROM DER, 75 FT RIGHT OF CENTERLINE, UP TO 60 FT AGL/1052 FT MSL.

CONTROLLING OBSTACLES:

RWY 18: 2119 MSL AAO 350543.55N/0860238.21W.
VCOA- RWY 18, 2079 MSL AAO 350701.55N/0860205.00W.

OBSTACLES MANDATING ODP ROUTE DEVELOPMENT: RWY 18 – 2079 MSL AAO 350701.55N/0860205.00W. RWY 36 – 2079 MSL AAO 351349.79N/0855857.70W.



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.
WINCHESTER, TN	WINCHESTER MUNI	13 NOVEMBER 2014	2

REMARKS:

FLIGHT INSPECTED BY:

Robert Cooper 8/26/14

REQUIRED EFFECTIVE DATE:

ROUTINE

DEVELOPED BY:

JACOB POWERS
(JOHN LINDSEY) AJV-352

06/09/2014

APPROVED BY:

SUE CRUMB AJV-352

COORDINATED WITH:

ALPA, AOPA, NBAA, ZME, AMGR

SEP 02 2014

CHANGES:

1. CHANGED RWY 18 MINIMUMS FROM 1000 – 2 TO STANDARD WITH MINIMUM CLIMB OF 330 FT PER NM TO 2400, OR 1500-3 FOR CLIMB IN VISUAL CONDITIONS.
2. UPDATED CONTROLLING OBSTACLES AND TAKEOFF OBSTACLE NOTES.
3. CHANGED RWY 18 DEPARTURE PROCEDURE FROM "CLIMB RUNWAY HEADING TO 2000 BEFORE TURNING" TO READ "CLIMB HEADING 184.71 TO 2300 BEFORE TURNING LEFT".
4. CHANGED RWY 36 DEPARTURE PROCEDURE FROM "CLIMB RUNWAY HEADING TO 2000 BEFORE TURNING" TO READ "CLIMB HEADING 004.71 TO 2000 BEFORE TURNING RIGHT".
5. ADDED VCOA INSTRUCTIONS TO RWY 18 DEPARTURE.

REASONS:

1. NEW SURVEY DATA AVAILABLE.
2. IAW 8260.46D.
- 3-4. IAW 8260.46D TABLE 1 SITUATION 3, ACTION B, 1 AND 2.
5. IAW 8260.46D TABLE 1 SITUATION 3, ACTION B, 2.

QUALITY
CHECKED

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.												
TERMINAL ROUTES										MISSED APPROACH						
FROM		TO		COURSE AND DISTANCE			ALTITUDE		LP: RW19 LNAV: RW19 CLIMBING RIGHT TURN TO 5600 DIRECT LIQED AND HOLD, CONTINUE CLIMB-IN-HOLD TO 5600. ADDITIONAL FLIGHT DATA: FAS OBST: 1224 AAO 443754N/0723607W FAS OBST: 1204 AAO 443758N/0723615W 1601 AAO 444015N/0723812W. 1913 AAO 444033N/0723815W. WAAS CHANNEL # 72731 REFERENCE PATH ID: W19A UCOKE TO RW19: 3.60/40. CHART CIRCLING ICON. LTP HAE: 195.5 M							
MEQDI (IAF)		LIQED (NOPT) (FB)		104.22 / 6.00			5600									
KUKVE (IAF)		LIQED (NOPT) (FB)		284.42 / 6.00			5600									
LIQED (IF/IAF)		UCOKE (FB)		194.32 / 5.76			3800									
UCOKE (FAF)		RW19 (MAP) (FO)		194.33 / 7.92												
RW19 (MAP)		1820 MSL		194.33												
1820 MSL		LIQED (FO)					5600									
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD N LIQED, RT, 194.32 INBOUND, 5600 FT. IN LIEU OF PT (IAF) 3. FAC: 194.33 FAF: UCOKE DIST FAF TO MAP: 7.92 THLD: 7.92 4. MIN. ALT: LIQED 5600, UCOKE 3800 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: _____ GS ALT AT: _____ OM: _____ MM: _____ IM: _____ 7. GS ANGLE: _____ TCH: 34:1 IS NOT CLEAR 8. MSA FROM: _____										MAG VAR: 16W EPOCH YEAR: 1995						
MINIMUMS																
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT										ALTERNATE: N A						
CATEGORY =====>		A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	
LP MDA	1820	1 1/4	1087	1820	1 1/2	1087		NA			NA					
LNAV MDA	2120	1 1/4	1387	2120	1 1/2	1387		NA			NA					
CIRCLING	2120	1 1/4	1387	2120	1 1/2	1387		NA			NA					
NOTES: CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE BURLINGTON ALTIMETER SETTING AND INCREASE ALL MDA 120 FT. CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: PROCEDURE NA AT NIGHT. (SEE FORM 8260-10)																
CITY AND STATE				ELEVATION: 733 TDZE: 733		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:				
MORRISVILLE, VT				AIRPORT NAME:		RNAV		RNAV (GPS) Y RWY 19, AMDT 1 13 NOVEMBER 2014				AMDT: ORIG				
				MORRISVILLE-STOWE STATE								DATED 01/10/2013				

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.

NOTES, (CONT.):

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

CHART PLANVIEW NOTE: LIMIT MISSED APPROACH TO 130 KIAS.

TAA

	<u>FROM</u>	<u>TO</u>	<u>ALT</u>
1.	104/30 CW 284/30 (NOPT)	104/5 CW 284/5	6000
2.	104/5 CW 284/5	LIQED (IF/IAF) (FB)	5600
3.	284/30 CW 014/30	KUKVE (IAF) (FB)	5900
4.	014/30 CW 104/30	014/10 CW 104/10	6600
5.	014/10 CW 104/10	MEQDI (IAF) (FB)	5900

QUALITY
6
CHECKED

CITY AND STATE

MORRISVILLE, VT

ELEVATION: 733

TDZE: 733

AIRPORT NAME:

MORRISVILLE-STOWE STATE

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) Y RWY 19, AMDT 1

13 NOVEMBER 2014

SUP:

AMDT: ORIG

DATED: 01/10/2013

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

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FAS DATA BLOCK INFORMATION

DATA FIELD

DATA

OPERATION TYPE 0
SBAS SERVICE PROVIDER IDENTIFIER 0
AIRPORT IDENTIFIER KMVL
RUNWAY RW19
APPROACH PERFORMANCE DESIGNATOR 0
ROUTE INDICATOR Y
REFERENCE PATH DATA SELECTOR 0
REFERENCE PATH IDENTIFIER (APPROACH ID) W19A
LTP/FTP LATITUDE 443221.9380N
LTP/FTP LONGITUDE 0723651.0985W
LTP/FTP ELLIPSOIDAL HEIGHT +01955
FPAP LATITUDE 443052.8785N
FPAP LONGITUDE 0723647.4690W
THRESHOLD CROSSING HEIGHT (TCH) 00040.0
TCH UNITS SELECTOR (METERS OR FEET USED) F
GLIDEPATH ANGLE (GPA) 03.60
COURSE WIDTH AT THRESHOLD 106.75
LENGTH OFFSET 1624
HORIZONTAL ALERT LIMIT (HAL) 40.0
VERTICAL ALERT LIMIT (VAL) 0.0

CRC REMAINDER

B6273634

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K6
LTP ORTHOMETRIC HEIGHT +02231
FPAP ORTHOMETRIC HEIGHT +02231

QUALITY
6
CHECKED

CITY AND STATE

MORRISVILLE, VT

ELEVATION: 733

TDZE: 733

AIRPORT NAME:

MORRISVILLE-STOWE STATE

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) Y RWY 19, AMDT 1

13 NOVEMBER 2014

SUP:

AMDT: ORIG

DATED: 01/10/2013

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

[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KMVLK6FR19-Y	AKUKVE	010KUKVEK6EA0E	A	IF					18000		A	JS
SUSAP	KMVLK6FR19-Y	AKUKVE	020LIQEDK6EA0EE	B	010TF		28440060		+ 05600			A	JS
SUSAP	KMVLK6FR19-Y	ALIQED	010LIQEDK6EA0EE	AR	HF		19430050		+ 05600	18000		A	JS
SUSAP	KMVLK6FR19-Y	AMEQDI	010MEQDIK6EA0E	A	IF					18000		A	JS
SUSAP	KMVLK6FR19-Y	AMEQDI	020LIQEDK6EA0EE	B	010TF		10420060		+ 05600			A	JS
SUSAP	KMVLK6FR19-Y	R	010LIQEDK6EA0E	I	IF					18000		A	JS
SUSAP	KMVLK6FR19-Y	R	020UCOKEK6EA1E	F	051TF		19430058		+ 03800			A	JS
SUSAP	KMVLK6FR19-Y	R	020UCOKEK6EA2WALP			N	ALNAV						JS
SUSAP	KMVLK6FR19-Y	R	030RW19 K6PGOGY	M	031TF		19430079		00772	-360		A	JS
SUSAP	KMVLK6FR19-Y	R	040	0	M	CA	1943		+ 01820			A	JS
SUSAP	KMVLK6FR19-Y	R	050LIQEDK6EA0EY	R	DF				+ 05600	130		A	-JS
SUSAP	KMVLK6FR19-Y	R	060LIQEDK6EA0EE	R	HM		19430050		+ 05600			A	JS

[illegible][illegible]

QUALITY
6
CHECKED

CITY AND STATE MORRISVILLE, VT	ELEVATION: 733	TDZE: 733	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) Y RWY 19, AMDT 1 13 NOVEMBER 2014	SUP:
	AIRPORT NAME: MORRISVILLE-STOWE STATE				AMDT: ORIG
					DATED: 01/10/2013

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
	KUKVE	KUKVE	010	IAF	IF		FB					
	KUKVE	LIQED	020		TF		FB	1.0	284.4 (268.4T)	006.0	AA 05600	
	LIQED	LIQED	010	IAF	HF	R	FO		194.3 (178.3T)	005.0	AA 05600	
	MEQDI	MEQDI	010	IAF	IF		FB					
	MEQDI	LIQED	020		TF		FB	1.0	104.2 (088.2T)	006.0	AA 05600	
		LIQED	010	FACF	IF		FB				AA 05600	
		UCOKE	020	FAF	TF		FB	0.5	194.3 (178.3T)	005.8	AA 03800	
		RW19	030	MAP	TF		FO	0.3	194.3 (178.3T)	007.9	AT 00772	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		194.3 (178.3T)		AA 01820	
	LIQED	050		DF	R	FO				AA 05600	AB 130
	LIQED	060		HM	R	FO		194.3 (178.3T)	005.0	AA 05600	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	KUKVE	N444612.59	W0722859.55	N4446.210	W07228.993
	LIQED	N444602.35	W0723724.67	N4446.039	W07237.411
	MEQDI	N444551.51	W0724549.74	N4445.859	W07245.829
	UCOKE	N444016.92	W0723710.51	N4440.282	W07237.175
	RW19	N443221.94	W0723651.10	N4432.366	W07236.852

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW19	00732	40

QUALITY
6
CHECKED

CITY AND STATE
MORRISVILLE, VT

ELEVATION: 733 TDZE: 733
 AIRPORT NAME:
 MORRISVILLE-STOWE STATE

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
 RNAV (GPS) Y RWY 19, AMDT 1
 13 NOVEMBER 2014

SUP:
 AMDT: ORIG
 DATED: 01/10/2013

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION		RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33		Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.												
TERMINAL ROUTES				MISSED APPROACH												
FROM		TO		COURSE AND DISTANCE		ALTITUDE		LP: RW19 LNAV: RW19								
MEQDI (IAF)		LIQED (NOPT) (FB)		104.22 / 6.00		5600		CLIMB TO 1900 THEN CLIMBING RIGHT TURN TO 5600 DIRECT LIQED AND HOLD, CONTINUE CLIMB-IN-HOLD TO 5600.								
KUKVE (IAF)		LIQED (NOPT) (FB)		284.42 / 6.00		5600										
LIQED (IF/IAF)		UCOKE (FB)		194.32 / 5.76		3800		ADDITIONAL FLIGHT DATA: FAS OBST: 1224 AAO 443754N/0723607W FAS OBST: 1204 AAO 443758N/0723615W 1913 AAO 444033N/0723815W. 1601 AAO 444015N/0723812W. UCOKE TO RW19: 3.60/40. WAAS CHANNEL # 97531 REFERENCE PATH ID: W19B CHART CIRCLING ICON. LTP HAE: 195.5 M								
UCOKE (FAF)		RW19 (MAP) (FO)		194.33 / 7.92		1900										
RW19 (MAP)		1900 MSL		194.33		5600										
1900 MSL		LIQED (FO)														
1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)									MAG VAR: 16W EPOCH YEAR: 1995							
2. HOLD N LIQED, RT, 194.32 INBOUND, 5600 FT. IN LIEU OF PT (IAF)																
3. FAC: 194.33 FAF: UCOKE DIST FAF TO MAP: 7.92 THLD: 7.92																
4. MIN. ALT: LIQED 5600, UCOKE 3800																
5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:																
6. MIN GS INCPT: GS ALT AT: OM: MM: IM:																
7. GS ANGLE: TCH: 34:1 IS NOT CLEAR																
8. MSA FROM:																
MINIMUMS																
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT						ALTERNATE: N A		@								
CATEGORY ==>		A			B			C			D			E		
		DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LP MDA		1580	1	847	1580	1 1/4	847		NA			NA				
LNAV MDA		1760	1 1/4	1027	1760	1 1/2	1027		NA			NA				
CIRCLING		1760	1 1/4	1027	1860	1 1/2	1127		NA			NA				
NOTES: CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE BURLINGTON ALTIMETER SETTING AND INCREASE ALL MDA 120 FT, AND INCREASE LP CAT A/B VISIBILITY 1/4 MILE. CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: PROCEDURE NA AT NIGHT. (SEE FORM 8260-10)																
CITY AND STATE MORRISVILLE, VT		ELEVATION: 733 TDZE: 733 AIRPORT NAME: MORRISVILLE-STOWE STATE			FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) Z RWY 19, AMDT 1 13 NOVEMBER 2014					SUP: AMDT: ORIG DATED 01/10/2013				

RNAV - STANDARD

INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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NOTES, (CONT.):

CHART NOTE: MISSED APPROACH REQUIRES A MINIMUM CLIMB OF 325 FEET PER NM TO 2900; IF UNABLE TO MEET

CLIMB GRADIENT, SEE RNAV (GPS) Y RWY 19.

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

TAA

	FROM	TO	ALT
1.	104/30 CW 284/30 (NOPT)	104/5 CW 284/5	6000
2.	104/5 CW 284/5	LIQED (IF/IAF) (FB)	5600
3.	284/30 CW 014/30	KUKVE (IAF) (FB)	5900
4.	014/30 CW 104/30	014/10 CW 104/10	6600
5.	014/10 CW 104/10	MEQDI (IAF) (FB)	5900

QUALITY
6
CHECKED

CITY AND STATE

MORRISVILLE, VT

ELEVATION: 733

TDZE: 733

AIRPORT NAME:

MORRISVILLE-STOWE STATE

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) Z RWY 19, AMDT 1

13 NOVEMBER 2014

SUP:

AMDT: ORIG

DATED: 01/10/2013

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

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

FAS DATA BLOCK INFORMATION

DATA FIELD

DATA

OPERATION TYPE 0
SBAS SERVICE PROVIDER IDENTIFIER 0
AIRPORT IDENTIFIER KMYL
RUNWAY RW19
APPROACH PERFORMANCE DESIGNATOR 0
ROUTE INDICATOR Z
REFERENCE PATH DATA SELECTOR 0
REFERENCE PATH IDENTIFIER (APPROACH ID) W19B
LTP/FTP LATITUDE 443221.9380N
LTP/FTP LONGITUDE 0723651.0985W
LTP/FTP ELLIPSOIDAL HEIGHT +01955
FPAP LATITUDE 443052.8785N
FPAP LONGITUDE 0723647.4650W
THRESHOLD CROSSING HEIGHT (TCH) 00040.0
TCH UNITS SELECTOR (METERS OR FEET USED) F
GLIDEPATH ANGLE (GPA) 03.60
COURSE WIDTH AT THRESHOLD 106.75
LENGTH OFFSET 1624
HORIZONTAL ALERT LIMIT (HAL) 40.0
VERTICAL ALERT LIMIT (VAL) 0.0

CRC REMAINDER

642AC904

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K6
LTP ORTHOMETRIC HEIGHT +02231
FPAP ORTHOMETRIC HEIGHT +02231

CITY AND STATE

MORRISVILLE, VT

ELEVATION: 733

TDZE: 733

AIRPORT NAME:

MORRISVILLE-STOWE STATE

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:

RNAV (GPS) Z RWY 19, AMDT 1

13 NOVEMBER 2014

SUP:

AMDT: ORIG

DATED: 01/10/2013

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[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KMVLK6FR19-Z	AKUKVE	010KUKVEK6EA0E	A	IF					18000		A	JS
SUSAP	KMVLK6FR19-Z	AKUKVE	020LIQEDK6EA0EE	B	010TF		28440060	+	05600			A	JS
SUSAP	KMVLK6FR19-Z	ALIQED	010LIQEDK6EA0EE	AR	HF		19430050	+	05600	18000		A	JS
SUSAP	KMVLK6FR19-Z	AMEQDI	010MEQDIK6EA0E	A	IF					18000		A	JS
SUSAP	KMVLK6FR19-Z	AMEQDI	020LIQEDK6EA0EE	B	010TF		10420060	+	05600			A	JS
SUSAP	KMVLK6FR19-Z	R	010LIQEDK6EA0E	I	IF					18000		A	JS
SUSAP	KMVLK6FR19-Z	R	020UCOKEK6EA1E	F	051TF		19430058	+	03800			A	JS
SUSAP	KMVLK6FR19-Z	R	020UCOKEK6EA2WALP			N	ALNAV						JS
SUSAP	KMVLK6FR19-Z	R	030RW19 K6PGOGY	M	031TF		19430079		00772	-360		A	JS
SUSAP	KMVLK6FR19-Z	R	040	0	M	CA	1943	+	01900			A	JS
SUSAP	KMVLK6FR19-Z	R	050LIQEDK6EA0EY	R	DF			+	05600			A	JS
SUSAP	KMVLK6FR19-Z	R	060LIQEDK6EA0EE	R	HM		19430050	+	05600			A	JS

[illegible][illegible]

QUALITY
6
CHECKED

CITY AND STATE MORRISVILLE, VT	ELEVATION: 733	TDZE: 733	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) Z RWY 19, AMDT 1 13 NOVEMBER 2014	SUP:	
	AIRPORT NAME: MORRISVILLE-STOWE STATE				AMDT:	ORIG
					DATED:	01/10/2013

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
	KUKVE	KUKVE	010	IAF	IF		FB					
	KUKVE	LIQED	020		TF		FB	1.0	284.4 (268.4T)	006.0	AA 05600	
	LIQED	LIQED	010	IAF	HF	R	FO		194.3 (178.3T)	005.0	AA 05600	
	MEQDI	MEQDI	010	IAF	IF		FB					
	MEQDI	LIQED	020		TF		FB	1.0	104.2 (088.2T)	006.0	AA 05600	
		LIQED	010	FACF	IF		FB				AA 05600	
		UCOKE	020	FAF	TF		FB	0.5	194.3 (178.3T)	005.8	AA 03800	
		RW19	030	MAP	TF		FO	0.3	194.3 (178.3T)	007.9	AT 00772	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		194.3 (178.3T)		AA 01900	
	LIQED	050		DF	R	FO				AA 05600	
	LIQED	060		HM	R	FO		194.3 (178.3T)	005.0	AA 05600	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	KUKVE	N444612.59	W0722859.55	N4446.210	W07228.993
	LIQED	N444602.35	W0723724.67	N4446.039	W07237.411
	MEQDI	N444551.51	W0724549.74	N4445.859	W07245.829
	UCOKE	N444016.92	W0723710.51	N4440.282	W07237.175
	RW19	N443221.94	W0723651.10	N4432.366	W07236.852

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW19	00732	40

QUALITY
6
CHECKED

CITY AND STATE MORRISVILLE, VT	ELEVATION: 733	TDZE: 733	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME: MORRISVILLE-STOWE STATE		RNAV	RNAV (GPS) Z RWY 19, AMDT 1	AMDT: ORIG
				13 NOVEMBER 2014	DATED: 01/10/2013

ILS - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.29		Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.	
US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION			
TERMINAL ROUTES			
FROM	TO	COURSE AND DISTANCE	ALTITUDE
PSC VOR/DME	JIVDO/I-PSC 7.44 DME	032.07 / 6.19	3000
ALW VOR/DME (IAF)	ZALUX INT/I-PSC 15.25 DME (NOPT)	290.71 / 31.79	3200
GUSSE/PSC VOR/DME 14.00 DME CW (IAF)	EXODE/PSC VOR/DME 14.00 DME (NOPT)	14.00 DME ARC	3500
EXODE/PSC VOR/DME 14.00 DME CW (IAF)	ZALUX INT/I-PSC 15.25 DME (NOPT)	14.00 DME ARC (PSC LR-023)	3200
CITYS INT/PSC VOR/DME 14.00 DME CCW (IAF)	ZALUX INT/I-PSC 15.25 DME (NOPT)	14.00 DME ARC (PSC LR-040)	3200
ZALUX INT/I-PSC 15.25 DME (IF)	JIVDO/I-PSC 7.44 DME	210.74 / 7.81 (I-PSC)	2400
1. PT <u>L</u> SIDE OF COURSE <u>030.74</u> OUTBOUND <u>2900</u> FT WITHIN <u>10</u> MILES OF <u>JIVDO</u> (IAF) 2. _____ 3. FAC: <u>210.74</u> FAF: <u>JIVDO/I-PSC 7.44 DME</u> DIST FAF TO MAP: _____ THLD: <u>6.10</u> 4. MIN. ALT: <u>JIVDO/I-PSC 7.44 DME 2400, JEROG/I-PSC 3.94 DME 1280*</u> 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: <u>1010</u> 6. MIN GS INCPT: <u>2400</u> GS ALT AT: <u>JIVDO 2400</u> OM: _____ MM: _____ IM: _____ 7. GS ANGLE: <u>3.00</u> TCH: <u>54.5</u> 8. MSA FROM: <u>PSC VOR/DME 100-190 3500, 190-300 4800, 300-100 2900</u> ADDITIONAL FLIGHT DATA: HOLD E, RT, 272.44 INBOUND. CHART FAS OBST: 635 T-L TWR 461730N/1190413W CHART VDP AT 2.85 DME* DISTANCE VDP TO THLD 1.52 MILES. *LOC ONLY. CHART PSC R-273 AT GUSSE. CHART PSC R-306 AT EXODE. CHART PSC R-092 AT CITYS. CHART CIRCLING ICON.			
		MAG VAR: 15E EPOCH YEAR: 2015	
MINIMUMS			
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT		ALTERNATE: N A ILS: STANDARD # LOC: STANDARD @	
CATEGORY =====>	A		B
	DH/MDA	VIS	HAT/HAA
S-ILS 21R**	604	2400	200
S-LOC 21R	940	2400	536
CIRCLING	940	1	530
NOTES: CHART NOTE: VDP NA WITH HERMISTON ALTIMETER SETTING. 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 HERMISTON ALTIMETER SETTING AND INCREASE ALL DA 95 FEET AND ALL MDA 100 FEET; INCREASE S-LOC 21R CAT C AND D VISIBILITY 3/8 MILE (SEE FORM 8260-10)			
CITY AND STATE PASCO, WA		ELEVATION: 410 TDZE: 404 AIRPORT NAME: TRI-CITIES	
FACILITY IDENTIFIER: I-PSC		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC/DME RWY 21R, AMDT 13, 11/13/2014	
SUP: AMDT: 12 DATED 11/18/2010			

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

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NOTES, (CONT.):

AND CIRCLING CAT C AND D VISIBILITY 1/4 MILE.

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

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT ALW VOR/DME ON V357 SOUTHEAST BOUND.

CITY AND STATE

PASCO, WA

ELEVATION: 410

TDZE: 404

AIRPORT NAME:

TRI-CITIES

FACILITY
IDENTIFIER:

I-PSC

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

ILS OR LOC/DME RWY 21R, AMDT 13, 11/13/2014

SUP:

AMDT:

12

DATED:

11/18/2010

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	KPSCK1FI21R	AALW	010ALW	K1D 0V	A	FC	ALW	K1	0000000029070298D	+	03200	18000	0 NS
SUSAP	KPSCK1FI21R	AALW	020ZALUXK1PC0EE	B	CF	IPSC	K1	0307015229070020PI	+	03200		0 NS	
SUSAP	KPSCK1FI21R	ACITYS	010CITYSK1EA0E	A	IF	PSC	K1	09240140	D		18000	0 NS	
SUSAP	KPSCK1FI21R	ACITYS	020ZALUXK1PC0EE	BL	AF	PSC	K1	031301400924	D	+	03200	0 NS	
SUSAP	KPSCK1FI21R	AEXODE	010EXODEK1EA0E	A	IF	PSC	K1	30580140	D		18000	0 NS	
SUSAP	KPSCK1FI21R	AEXODE	020ZALUXK1PC0EE	BR	AF	PSC	K1	031301403058	D	+	03200	0 NS	
SUSAP	KPSCK1FI21R	AGUSSE	010GUSSEK1EA0E	A	IF	PSC	K1	27330140	D		18000	0 NS	
SUSAP	KPSCK1FI21R	AGUSSE	020EXODEK1EA0E	R	AF	PSC	K1	305801402733	D	+	03500	0 NS	
SUSAP	KPSCK1FI21R	AGUSSE	030ZALUXK1PC0EE	BR	AF	PSC	K1	031301403058	D	+	03200	0 NS	
SUSAP	KPSCK1FI21R	APSC	010PSC	K1D 0V	IF						18000	0 NS	
SUSAP	KPSCK1FI21R	APSC	020JIVDOK1PC0E		TF					+	03000	0 NS	
SUSAP	KPSCK1FI21R	APSC	030JIVDOK1PC0EE	AR	PI	PSC	K1	0321006234570100D	+	02900		0 NS	
SUSAP	KPSCK1FI21R	I	010ZALUXK1PC0E	I	IF	IPSC	K1	03070152	PI	J	032000240018000	0 NS	
SUSAP	KPSCK1FI21R	I	020JIVDOK1PC0E	F	CF	IPSC	K1	0307007421100078PI	H	0240002400	-300PSC	K1D 0 NS	
SUSAP	KPSCK1FI21R	I	030RW21RK1PG0GY	M	CF	IPSC	K1	0307001321100061PI		00456	-300	0 NS	
SUSAP	KPSCK1FI21R	I	040	0 M	CA			2107	+	01200		0 NS	

CITY AND STATE PASCO, WA	ELEVATION: 410	TDZE: 404	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME:	TRI-CITIES	I-PSC	ILS OR LOC/DME RWY 21R, AMDT 13 11/13/2014	AMDT: 12
					DATED: 11/18/2010

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - FAR PART 97.29

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SUSAP KPSCK1FI21R I 050 0 L VIY 0500 0 NS
SUSAP KPSCK1FI21R I 060CITYSK1EA0EY CF PSC K1 0924014009240100D + 03200 0 NS
SUSAP KPSCK1FI21R I 070CITYSK1EA0EE R HM 2724T010 + 03200 0 NS

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

SUSAP KPSCK1GRW21R 0077112107 N46161044W119064810+0100 +0100600402060055150IIPSC1

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

SUSAP KPSCK1IIPSC1 010870RW21RN46151449W1190810852107N46160631W1190702381009 10100494300E01505500401

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

SUSAP KPSCK1SPSC K1D 0 010120048251202800292528001003525 M

CITY AND STATE PASCO, WA	ELEVATION: 410 TDZE: 404 AIRPORT NAME: TRI-CITIES	FACILITY IDENTIFIER: I-PSC	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: ILS OR LOC/DME RWY 21R, AMDT 13 11/13/2014	SUP:
				AMDT: 12
				DATED: 11/18/2010

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
	ALW	ALW	010	IAF	FC		FB		290.7 ()	029.8	AA 03200	
	ALW	ZALUX	020		CF		FB		290.7 ()	002.0	AA 03200	
	CITYS	CITYS	010	IAF	IF		FB					
	CITYS	ZALUX	020		AF	L	FB		092.4 ()		AA 03200	
	EXODE	EXODE	010	IAF	IF		FB					
	EXODE	ZALUX	020		AF	R	FB		305.8 ()		AA 03200	
	GUSSE	GUSSE	010	IAF	IF		FB					
	GUSSE	EXODE	020		AF	R	FB		273.3 ()		AA 03500	
	GUSSE	ZALUX	030		AF	R	FB		305.8 ()		AA 03200	
	PSC	PSC	010		IF		FB					
	PSC	JIVDO	020		TF		FB				AA 03000	
	PSC	JIVDO	030	IAF	PI	R	FB		345.7 ()	010.0	AA 02900	
		ZALUX	010	FACF	IF		FB				AA 03200	GI 02400
		JIVDO	020	FAF	CF		FB		211.0 ()	007.8	GI 02400	GS 02400
		RW21R	030	MAP	CF		FO		211.0 ()	006.1	AT 00456	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		210.7 ()		AA 01200	
		050		VI	L	FB		050.0 ()			
	CITYS	060		CF		FO		092.4 ()	010.0	AA 03200	
	CITYS	070		HM	R	FO		272.4 ()	010.0	AA 03200	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	ALW	N460513.11	W1181733.13	N4605.219	W11817.552
	PSC	N461612.96	W1190702.27	N4616.216	W11907.038
	IPSC (DME)	N461512.55	W1190808.14	N4615.209	W11908.136
	CITYS	N461159.67	W1184748.53	N4611.995	W11847.809
	EXODE	N462702.51	W1191950.92	N4627.042	W11919.849
	GUSSE	N462034.74	W1192613.57	N4620.579	W11926.226
	JIVDO	N462025.80	W1190029.49	N4620.430	W11900.492
	ZALUX	N462551.68	W1185223.59	N4625.861	W11852.393
	RW21R	N461610.44	W1190648.10	N4616.174	W11906.802
	IPSC (LOC)	N461514.49	W1190810.85	N4615.242	W11908.181

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW21R	00402	55

CITY AND STATE
PASCO, WAELEVATION: 410
AIRPORT NAME:TDZE: 404
TRI-CITIESFACILITY
IDENTIFIER:

I-PSC

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:

ILS OR LOC/DME RWY 21R, AMDT 13 11/13/2014

SUP:

AMDT: 12

DATED: 11/18/2010

FLIGHT STANDARDS SERVICES - FAR PART 97.25

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[illegible]

CITY AND STATE PASCO, WA	ELEVATION: 410	TDZE: 404	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME:			ILS OR LOC/DME RWY 21R, AMDT 13 11/13/2014	AMDT: 12
	TRI-CITIES		I-PSC		DATED: 11/18/2010

FLIGHT STANDARDS SERVICES - FAR PART 97.25

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SUSAP	KP	SC	K1	FL	21	R	L	030R	W21	RK1	P	G	O	G	M	CF	IP	SC	K1	0307001321100026	PI	00456	-301	0	DS	
SUSAP	KP	SC	K1	FL	21	R	L	040			0	M				CA			2107		+	01200		0	DS	
SUSAP	KP	SC	K1	FL	21	R	L	050			0		L			VIY			0500					0	DS	
SUSAP	KP	SC	K1	FL	21	R	L	060	CITY	SK1	E	A	O	E	Y	CF	P	SC	K1	0924014009240100	D	+	03200		0	DS
SUSAP	KP	SC	K1	FL	21	R	L	070	CITY	SK1	E	A	O	E	E	R	HM			2724T010		+	03200		0	DS

[illegible]

SUSAP KPSC1GRW21R 0077112107 N46161044W119064810+0100 +0100600402060055150IIPSC1

[illegible]

SUSAP KPSCCK1IIPSC1 010870RW21RN46151449W1190810852107N46160631W1190702381009 10100494300E01505500401

[illegible]

SUSAP KPSC K1D 0 010120048251202800292528001003525 M

CITY AND STATE
PASCO, WA

ELEVATION: 410	TDZE: 404
AIRPORT NAME:	TRI-CITIES

FACILITY
IDENTIFIER:
I-PSC

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
ILS OR LOC/DME RWY 21R, AMDT 13 11/13/2014

SUP:	
AMDT:	12
DATED:	11/18/2010

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
	ALW	ALW	010	IAF	FC		FB		290.7 ()	029.8	AA 03200	
	ALW	ZALUX	020		CF		FB		290.7 ()	002.0	AA 03200	
	CITYS	CITYS	010	IAF	IF		FB					
	CITYS	ZALUX	020		AF	L	FB		092.4 ()		AA 03200	
	EXODE	EXODE	010	IAF	IF		FB					
	EXODE	ZALUX	020		AF	R	FB		305.8 ()		AA 03200	
	GUSSE	GUSSE	010	IAF	IF		FB					
	GUSSE	EXODE	020		AF	R	FB		273.3 ()		AA 03500	
	GUSSE	ZALUX	030		AF	R	FB		305.8 ()		AA 03200	
	PSC	PSC	010		IF		FB					
	PSC	JIVDO	020		TF		FB				AA 03000	
	PSC	JIVDO	030	IAF	PI	R	FB		345.7 ()	010.0	AA 02900	
		ZALUX	010	FACF	IF		FB				AA 03200	
		JIVDO	020	FAF	CF		FB		211.0 ()	007.8	AA 02400	
		JEROG	021	SDF	CF		FB		211.0 ()	003.5	AA 01280	
		RW21R	030	MAP	CF		FO		211.0 ()	002.6	AT 00456	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		210.7 ()		AA 01200	
		050		VI	L	FB		050.0 ()			
	CITYS	060		CF		FO		092.4 ()	010.0	AA 03200	
	CITYS	070		HM	R	FO		272.4 ()	010.0	AA 03200	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	ALW	N460513.11	W1181733.13	N4605.219	W11817.552
	PSC	N461612.96	W1190702.27	N4616.216	W11907.038
	IPSC (DME)	N461512.55	W1190808.14	N4615.209	W11908.136
	CITYS	N461159.67	W1184748.53	N4611.995	W11847.809
	EXODE	N462702.51	W1191950.92	N4627.042	W11919.849
	GUSSE	N462034.74	W1192613.57	N4620.579	W11926.226
	JEROG	N461759.25	W1190406.96	N4617.988	W11904.116
	JIVDO	N462025.80	W1190029.49	N4620.430	W11900.492
	ZALUX	N462551.68	W1185223.59	N4625.861	W11852.393
	RW21R	N461610.44	W1190648.10	N4616.174	W11906.802
	IPSC (LOC)	N461514.49	W1190810.85	N4615.242	W11908.181

RUNWAY DATA	THRESHOLD	ELEVATION	TCH
RWY			
RW21R	00402		55

CITY AND STATE

PASCO, WA

ELEVATION: 410

TDZE: 404

AIRPORT NAME:

TRI-CITIES

FACILITY
IDENTIFIER:

I-PSC

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:

ILS OR LOC/DME RWY 21R, AMDT 13 11/13/2014

SUP:

AMDT:

12

DATED:

11/18/2010

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION		RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33		Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.											
TERMINAL ROUTES				MISSED APPROACH											
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LPV: DA LNAV/VNAV: DA LNAV: RW03L CLIMB TO 1000 THEN CLIMBING RIGHT TURN TO 3200 DIRECT CITYS AND HOLD. ADDITIONAL FLIGHT DATA: HOLD E, RT, 272.44 INBOUND. CHART FAS OBST: 659 TOWER 461317N/1191114W 762 AAO 461221.00N-1191136.00W. DISTANCE TO THLD FROM 200 HAT: 0.49 NM. CHART VDP AT 1.46 MILES TO RW03L* *LNAV ONLY. WAAS CHANNEL # 40206 REFERENCE PATH ID: W03A CHART CIRCLING ICON. LTP HAE: 103.2 M											
PSC VOR/DME	INUDE (FO)	210.18 / 15.08	4200												
AMPLE (IAF)	INUDE (NOPT) (FB)	083.28 / 12.11	3500												
CORDO (IAF)	INUDE (NOPT) (FB)	316.80 / 17.17	3500												
INUDE (IF/IAF)	KADDE (FB)	030.55 / 5.81	2900												
KADDE	FOGUT (FB)	030.62 / 2.39	2300												
FOGUT (FAF)	TAYON/3.60 NM TO RW03L (FB)	030.65 / 2.20													
TAYON/3.60 NM TO RW03L (SEE FORM 8260-10)	RW03L (MAP) (FO)	030.65 / 3.60													
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. HOLD SW INUDE, RT, 030.55 INBOUND, 3500 FT. IN LIEU OF PT (IAF) 3. FAC: <u>030.65</u> FAF: <u>FOGUT</u> DIST FAF TO MAP: <u>5.80</u> THLD: <u>5.80</u> 4. MIN. ALT: INUDE 3500, KADDE 2900, FOGUT 2300, TAYON/3.60 NM TO RW03L 1600* 5. DIST TO THLD FROM OM: <u> </u> MM: <u> </u> IM: <u> </u> 150 HAT: <u> </u> 100 HAT: <u> </u> GS ANT: <u> </u> 6. MIN GS INCPT: <u>2300</u> GS ALT AT: <u>FOGUT 2300</u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u>3.00</u> TCH: <u>44.5</u> 34:1 IS CLEAR 8. MSA FROM: <u>RW03L 4800</u>				MAG VAR: 15E 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	610	3/4	200	610	3/4	200	610	3/4	200	610	3/4	200			
LNAV/VNAV DA	708	1	298	708	1	298	708	1	298	708	1	298			
LNAV MDA	920	1	510	920	1	510	920	1 3/8	510	920	1 3/8	510			
CIRCLING	920	1	510	940	1	530	1040	1 3/4	630	1100	2 1/4	690			
NOTES: CHART NOTE: BARO-VNAV NA WHEN USING HERMISTON ALTIMETER SETTING. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -14C (7F) OR ABOVE 54C (130F). CHART NOTE: DME/DME RNP-0.3 NA. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON PSC VOR/DME AIRWAY RADIALS 148 CW 269. (SEE FORM 8260-10)															
CITY AND STATE PASCO, WA		ELEVATION: 410 TDZE: 410 AIRPORT NAME: TRI-CITIES		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) Y RWY 3L, AMDT 2, 11/13/2014				SUP: AMDT: 1B DATED 02/06/2014					

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

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

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TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
RW03L (MAP)	1000 MSL	030.65	1000
1000 MSL	CITYS (FO)		3200

NOTES, (CONT.):

CHART NOTE: VDP NA WITH HERMISTON ALTIMETER SETTING.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE HERMISTON ALTIMETER SETTING: INCREASE ALL DA 95 FEET AND ALL MDA 100 FEET. INCREASE LPV ALL CATS VISIBILITIES 1/4 MILE; LNAV/VNAV ALL CATS VISIBILITIES 3/8 MILE; INCREASE LNAV CATS C AND D VISIBILITY 3/8 MILE; CIRCLING CAT C AND D VISIBILITY 1/4 MILE.



CITY AND STATE
PASCO, WA

ELEVATION: 410 TDZE: 410
AIRPORT NAME:
TRI-CITIES

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) Y RWY 3L, AMDT 2, 11/13/2014

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

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

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

FAS DATA BLOCK INFORMATIONDATA FIELDDATA

OPERATION TYPE 0
SBAS SERVICE PROVIDER IDENTIFIER 0
AIRPORT IDENTIFIER KPSC
RUNWAY RW03L
APPROACH PERFORMANCE DESIGNATOR 0
ROUTE INDICATOR Y
REFERENCE PATH DATA SELECTOR 0
REFERENCE PATH IDENTIFIER (APPROACH ID) W03A
LTP/FTP LATITUDE 461521.4445N
LTP/FTP LONGITUDE 1190800.5725W
LTP/FTP ELLIPSOIDAL HEIGHT +01032
FPAP LATITUDE 461623.6205N
FPAP LONGITUDE 1190628.6135W
THRESHOLD CROSSING HEIGHT (TCH) 00044.5
TCH UNITS SELECTOR (METERS OR FEET USED) F
GLIDEPATH ANGLE (GPA) 03.00
COURSE WIDTH AT THRESHOLD 106.75
LENGTH OFFSET 0400
HORIZONTAL ALERT LIMIT (HAL) 40.0
VERTICAL ALERT LIMIT (VAL) 35.0

CRC REMAINDER

2E30CCF5

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K1
LTP ORTHOMETRIC HEIGHT +01249
FPAP ORTHOMETRIC HEIGHT +01249

CITY AND STATE

PASCO, WA

ELEVATION: 410

TDZE: 410

AIRPORT NAME:

TRI-CITIES

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) Y RWY 3L, AMDT 2, 11/13/2014

SUP:

AMDT:

1B

DATED:

02/06/2014

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[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KP	SC	1F	R0	3L	Y	A	A	M	P	L	E	010A
SUSAP	KP	SC	1F	R0	3L	Y	A	A	M	P	L	E	020I
SUSAP	KP	SC	1F	R0	3L	Y	A	A	C	O	R	D	010C
SUSAP	KP	SC	1F	R0	3L	Y	A	A	C	O	R	D	020I
SUSAP	KP	SC	1F	R0	3L	Y	A	P	S	C	010P	S	K1D
SUSAP	KP	SC	1F	R0	3L	Y	A	P	S	C	020I	N	U
SUSAP	KP	SC	1F	R0	3L	Y	A	P	S	C	030I	N	U
SUSAP	KP	SC	1F	R0	3L	Y	R	010I	N	U	D	E	K1E
SUSAP	KP	SC	1F	R0	3L	Y	R	011K	A	D	D	E	K1E
SUSAP	KP	SC	1F	R0	3L	Y	R	020F	O	G	U	T	K1E
SUSAP	KP	SC	1F	R0	3L	Y	R	020F	O	G	U	T	K1E
SUSAP	KP	SC	1F	R0	3L	Y	R	021T	A	Y	O	N	K1E
SUSAP	KP	SC	1F	R0	3L	Y	R	030R	W	03L	K1P	G	O
SUSAP	KP	SC	1F	R0	3L	Y	R	040					
SUSAP	KP	SC	1F	R0	3L	Y	R	050C	I	T	Y	S	K1E
SUSAP	KP	SC	1F	R0	3L	Y	R	060C	I	T	Y	S	K1E

[illegible]

CITY AND STATE PASCO, WA	ELEVATION: 410	TDZE: 410	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME:	TRI-CITIES	RNAV	RNAV (GPS) Y RWY 3L, AMDT 2, 11/13/2014	AMDT: 1B
					DATED: 02/062014

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 KPSCK1GRW03L 0077110307 N46152144W119080057-0100 +0103200410000045150R

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

SUSAP KPSCK1PR03LY RW03L001Y0000W03A0N4615214445W11908005725+010320300N4616236205W11906286135106750400000445F4003502E30CCF5
SUSAP KPSCK1PR03LY RW03L002E +01249+01249LPV 40206

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

SUSAP KPSCK1SRW03LK1PGA 0 18018004825 M

QUALITY
CHECKED

CITY AND STATE
PASCO, WA

ELEVATION: 410 TDZE: 410
AIRPORT NAME: TRI-CITIES

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
RNAV (GPS) Y RWY 3L, AMDT 2, 11/13/2014

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

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

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ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	AMPLE	AMPLE	010	IAF	IF		FB					
	AMPLE	INUDE	020		TF		FB	1.0	083.3 (098.3T)	012.1	AA 03500	
	CORDO	CORDO	010	IAF	IF		FB					
	CORDO	INUDE	020		TF		FB	1.0	316.8 (331.8T)	017.2	AA 03500	
	PSC	PSC	010		IF		FB					
	PSC	INUDE	020		TF		FO	2.0	210.2 (225.2T)	015.1	AA 04200	
	PSC	INUDE	030	IAF	HF	R	FO		030.6 (045.6T)	004.0	AA 03500	
		INUDE	010	FACF	IF		FB				AA 03500	
		KADDE	011	SDF	TF		FB	0.5	030.6 (045.6T)	005.8	AA 02900	
		FOGUT	020	FAF	TF		FB	0.5	030.6 (045.6T)	002.4	AA 02300	
		TAYON	021	SDF	TF		FB	0.3	030.7 (045.7T)	002.2	AA 01600 GS 01601	
		RW03L	030	MAP	TF		FO	0.3	030.7 (045.7T)	003.6	AT 00454	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		030.7 (045.7T)		AA 01000	
	CITYS	050		DF	R	FO				AA 03200	
	CITYS	060		HM	R	FO		272.4 (287.4T)	004.0	AA 03200	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	PSC	N461612.96	W1190702.27	N4616.216	W11907.038
	AMPLE	N460720.29	W1193938.04	N4607.338	W11939.634
	CITYS	N461159.67	W1184748.53	N4611.995	W11847.809
	CORDO	N455026.98	W1191044.96	N4550.450	W11910.749
	FOGUT	N461118.58	W1191358.93	N4611.310	W11913.982
	INUDE	N460534.32	W1192224.61	N4605.572	W11922.410
	KADDE	N460938.22	W1191626.61	N4609.637	W11916.444
	TAYON	N461250.62	W1191143.26	N4612.844	W11911.721
	RW03L	N461521.44	W1190800.57	N4615.357	W11908.010

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW03L	00410	45

CITY AND STATE PASCO, WA	ELEVATION: 410	TDZE: 410	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME:	TRI-CITIES	RNAV	RNAV (GPS) Y RWY 3L, AMDT 2, 11/13/2014	AMDT: 1B
					DATED: 02/06/2014

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

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

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TERMINAL ROUTES				MISSED APPROACH											
FROM	TO	COURSE AND DISTANCE	ALTITUDE												
PSC VOR/DME	HILOB (FO)	299.94 / 13.03	3300	LPV: DA LNAV/VNAV: DA LNAV: RW12											
PAIDS (IAF)	HILOB (NOPT) (FB)	032.85 / 6.74	3300												
PAPPS (IAF)	AIDER (NOPT) (FB)	076.81 / 13.07	6000	CLIMB TO 900 THEN CLIMBING LEFT TURN TO 3200 DIRECT CITYS AND HOLD.											
AIDER	HILOB (FB)	077.72 / 8.60	3300												
NIALS (IAF)	HILOB (NOPT) (FB)	132.02 / 11.58	3300	ADDITIONAL FLIGHT DATA: HOLD E, RT, 272.44 INBOUND. CHART FAS OBST: 578 BLDG 461649N/1190902W 810 AAO 462121.17N/1191217.36W. DISTANCE TO THLD FROM 200 HAT: 0.46 NM. CHART VDP AT 1.22 MILES TO RW12* *LNAV ONLY. WAAS CHANNEL # 58006 REFERENCE PATH ID: W12A CHART CIRCLING ICON. LTP HAE: 98.8 M											
OLFUS (IAF)	HILOB (NOPT) (FB)	187.79 / 15.14	3300												
HILOB (IF/IAF)	FAXAX (FB)	120.59 / 7.09	2200												
(SEE FORM 8260-10)															
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD NW HILOB, RT, 120.59 INBOUND, 3300 FT. IN LIEU OF PT (IAF) 3. FAC: 120.67 FAF: FAXAX DIST FAF TO MAP: 5.50 THLD: 5.50 4. MIN. ALT: HILOB 3300, FAXAX 2200, ZAPOV/2.10 NM TO RW12 1100* 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 2200 GS ALT AT: FAXAX 2200 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 53.8 34:1 IS CLEAR 8. MSA FROM: RW12 4800				MAG VAR: 15E 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	602	3/4	200	602	3/4	200	602	3/4	200	602	3/4	200			
LNAV/VNAV DA	755	1 1/8	353	755	1 1/8	353	755	1 1/8	353	755	1 1/8	353			
LNAV MDA	840	1	438	840	1	438	840	1 3/8	438	840	1 3/8	438			
CIRCLING	880	1	470	940	1	530	1040	1 3/4	630	1100	2 1/4	690			
NOTES: CHART NOTE: BARO-VNAV NA WHEN USING HERMISTON ALTIMETER SETTING. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -14C (7F) OR ABOVE 54C (130F). CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: VDP NA WITH HERMISTON ALTIMETER SETTING. (SEE FORM 8260-10)															
CITY AND STATE		ELEVATION: 410 TDZE: 402		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:					
PASCO, WA		AIRPORT NAME:		RNAV		RNAV (GPS) Y RWY 12, AMDT 2, 11/13/2014				AMDT: 1A					
		TRI-CITIES								DATED		05/05/2011			

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

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TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
FAXAX (FAF)	ZAPOV/2.10 NM TO RW12 (FB)	120.67 / 3.40	
ZAPOV/2.10 NM TO RW12	RW12 (MAP) (FO)	120.67 / 2.10	
RW12 (MAP)	900 MSL	120.67	900
900 MSL	CITYS (FO)		3200

NOTES, (CONT.):

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE HERMISTON ALTIMETER SETTING: INCREASE ALL DA 95 FEET AND ALL MDA 100 FEET. INCREASE LPV ALL CATS VISIBILITIES 1/8 MILE; LNAV/VNAV ALL CATS VISIBILITIES 3/8 MILE; INCREASE LNAV AND CIRCLING CATS C AND D VISIBILITY 1/4 MILE.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT PSC VOR/DME ON V298 EASTBOUND, V204 SOUTH BOUND AND V520 NORTHEAST BOUND.

CITY AND STATE PASCO, WA	ELEVATION: 410	TDZE: 402	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) Y RWY 12, AMDT 2, 11/13/2014	SUP:
	AIRPORT NAME:				AMDT: 1A
	TRI-CITIES				DATED: 05/05/2011

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

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FAS DATA BLOCK INFORMATIONDATA FIELDDATA

OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KPSC
RUNWAY	RW12
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	Y
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W12A
LTP/FTP LATITUDE	461624.5055N
LTP/FTP LONGITUDE	1190740.6835W
LTP/FTP ELLIPSOIDAL HEIGHT	+00988
FPAP LATITUDE	461520.7055N
FPAP LONGITUDE	1190611.0680W
THRESHOLD CROSSING HEIGHT (TCH)	00053.8
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0400
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0

CRC REMAINDER

B01BE36E

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K1
LTP ORTHOMETRIC HEIGHT	+01205
FPAP ORTHOMETRIC HEIGHT	+01205

CITY AND STATE

PASCO, WA

ELEVATION: 410

TDZE: 402

AIRPORT NAME:

TRI-CITIES

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) Y RWY 12, AMDT 2, 11/13/2014

SUP:

AMDT:

1A

DATED:

05/05/2011

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 PACKET - 424-18 - RNAV (GPS)

	1	2	3	4	5	6	7	8	9	0	1	2	3
NAVAID	1234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAD	PSC K1010980VDL N46161296W119070227 N46161296W119070227E0150004061 NARPASCO												

	1	2	3	4	5	6	7	8	9	0	1	2	3
WP	1234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAEENRT	AIDER K10 W N46254955W119324784 E0153 NAR AIDER												
SUSAEENRT	CITYS K10 C L N46115967W118474853 E0150 NAR CITYS												
SUSAEENRT	FAXAX K10 W N46202052W119131295 E0152 NAR FAXAX												
SUSAEENRT	HILOB K10 W N46252438W119202244 E0152 NAR HILOB												
SUSAEENRT	NIALS K10 C L N46350732W119292909 E0153 NAR NIALS												
SUSAEENRT	OLFUS K10 C L N46392193W119115368 E0152 NAR OLFUS												
SUSAEENRT	PAIDS K10 C L N46205331W119273592 E0152 NAR PAIDS												
SUSAEENRT	PAPPS K10 C L N46261581W119514078 E0154 NAR PAPPS												
SUSAEENRT	ZAPOV K10 W N46175470W119094751 E0151 NAR ZAPOV												

	1	2	3	4	5	6	7	8	9	0	1	2	3
AIRPORT	1234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP	KPSC1APSC 0 077YHN46155290W119070850E015000410 1800018000C MNAR TRI-CITIES												

	1	2	3	4	5	6	7	8	9	0	1	2	3
SEGMENT	1234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP	KPSC1FR12-Y ANIALS 010NIALSK1EA0E A IF 18000 A JS												
SUSAP	KPSC1FR12-Y ANIALS 020HILOBK1EA0EE B 010TF 13200116 + 03300 A JS												
SUSAP	KPSC1FR12-Y AOLFUS 010OLFUSK1EA0E A IF 18000 A JS												
SUSAP	KPSC1FR12-Y AOLFUS 020HILOBK1EA0EE B 010TF 18780151 + 03300 A JS												
SUSAP	KPSC1FR12-Y APAIDS 010PAIDSK1EA0E A IF 18000 A JS												
SUSAP	KPSC1FR12-Y APAIDS 020HILOBK1EA0EE B 010TF 03290067 + 03300 A JS												
SUSAP	KPSC1FR12-Y APAPPS 010PAPPSK1EA0E A IF 18000 A JS												
SUSAP	KPSC1FR12-Y APAPPS 020AIDERK1EA0E 010TF 07680131 + 06000 A JS												
SUSAP	KPSC1FR12-Y APAPPS 030HILOBK1EA0EE B 010TF 07770086 + 03300 A JS												
SUSAP	KPSC1FR12-Y APSC 010PSC K1D 0V IF 18000 A JS												
SUSAP	KPSC1FR12-Y APSC 020HILOBK1EA0EY 020TF 29990130 + 03300 A JS												
SUSAP	KPSC1FR12-Y APSC 030HILOBK1EA0EE AR HF 12060040 + 03300 A JS												
SUSAP	KPSC1FR12-Y R 010HILOBK1EA0E I IF 18000 A JS												
SUSAP	KPSC1FR12-Y R 020FAXAKK1EA1E F 051TF 12060071 + 02200 RW12 AK1PGA JS												
SUSAP	KPSC1FR12-Y R 020FAXAKK1EA2WALPV ALNAV/VNAV ALNAV JS												
SUSAP	KPSC1FR12-Y R 021ZAPOVK1EA0E S 031TF 12070034 V 0110001118 -300 A JS												
SUSAP	KPSC1FR12-Y R 030RW12 K1PGOGY M 031TF 12070021 00449 -300 A JS												
SUSAP	KPSC1FR12-Y R 040 0 M CA 1207 + 00900 A JS												

CITY AND STATE PASCO, WA	ELEVATION: 410 TDZE: 402	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) Y RWY 12, AMDT 2, 11/13/2014	SUP: CHC
	AIRPORT NAME: TRI-CITIES			AMDT: 1A
				DATED: 05/05/2011

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.

A JS
A JS

SUSAP KPSCCK1GRW12 0077031207 N46162451W119074068+0100 +0098800396000054150R

SUSAP KPSC1PR12-Y RW12 001Y0000W12A0N4616245055W11907406835+009880300N4615207055W11906110680106750400000538F400350B01BE36E
SUSAP KPSC1PR12-Y RW12 002E +01205+01205LPV 58006

SUSAP KPSCCK1SRW12 K1PGA 0 18018004825

M

SUP:	
AMDT:	1A
DATED:	05/05/2011

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

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

ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	NIALS	NIALS	010	IAF	IF		FB					
	NIALS	HILOB	020		TF		FB	1.0	132.0 (147.0T)	011.6	AA 03300	
	OLFUS	OLFUS	010	IAF	IF		FB					
	OLFUS	HILOB	020		TF		FB	1.0	187.8 (202.8T)	015.1	AA 03300	
	PAIDS	PAIDS	010	IAF	IF		FB					
	PAIDS	HILOB	020		TF		FB	1.0	032.9 (047.9T)	006.7	AA 03300	
	PAPPS	PAPPS	010	IAF	IF		FB					
	PAPPS	AIDER	020		TF		FB	1.0	076.8 (091.8T)	013.1	AA 06000	
	PAPPS	HILOB	030		TF		FB	1.0	077.7 (092.7T)	008.6	AA 03300	
	PSC	PSC	010		IF		FB					
	PSC	HILOB	020		TF		FO	2.0	299.9 (314.9T)	013.0	AA 03300	
	PSC	HILOB	030	IAF	HF	R	FO		120.6 (135.6T)	004.0	AA 03300	
		HILOB	010	FACF	IF		FB				AA 03300	
		FAXAX	020	FAF	TF		FB	0.5	120.6 (135.6T)	007.1	AA 02200	
		ZAPOV	021	SDF	TF		FB	0.3	120.7 (135.7T)	003.4	AA 01100	GS 01118
		RW12	030	MAP	TF		FO	0.3	120.7 (135.7T)	002.1	AT 00449	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		120.7 (135.7T)		AA 00900	
	CITYS	050		DF	L	FO				AA 03200	
	CITYS	060		HM	R	FO		272.4 (287.4T)	004.0	AA 03200	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	PSC	N461612.96	W1190702.27	N4616.216	W11907.038
	AIDER	N462549.55	W1193247.84	N4625.826	W11932.797
	CITYS	N461159.67	W1184748.53	N4611.995	W11847.809
	FAXAX	N462020.52	W1191312.95	N4620.342	W11913.216
	HILOB	N462524.38	W1192022.44	N4625.406	W11920.374
	NIALS	N463507.32	W1192929.09	N4635.122	W11929.485
	OLFUS	N463921.93	W1191153.68	N4639.366	W11911.895
	PAIDS	N462053.31	W1192735.92	N4620.889	W11927.599
	PAPPS	N462615.81	W1195140.78	N4626.264	W11951.680
	ZAPOV	N461754.70	W1190947.51	N4617.912	W11909.792
	RW12	N461624.51	W1190740.68	N4616.409	W11907.678

RUNWAY DATA	THRESHOLD	ELEVATION	TCH
RWY			
RW12	00396		54

CITY AND STATE PASCO, WA	ELEVATION: 410	TDZE: 402	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME:	TRI-CITIES		RNAV (GPS) Y RWY 12, AMDT 2, 11/13/2014	AMDT: 1A
					DATED: 05/05/2011

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.											
US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION															
TERMINAL ROUTES				MISSED APPROACH											
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LPV: DA LNAV/VNAV: DA LNAV: RW21R CLIMB TO 1100 THEN CLIMBING RIGHT TURN TO 5200 DIRECT PAIDS AND HOLD, CONTINUE CLIMB-IN-HOLD TO 5200. ADDITIONAL FLIGHT DATA: HOLD W, RT, 094.00 INBOUND. CHART FAS OBST: 635 T-L TWR 461730N/1190413W DISTANCE TO THLD FROM 200 HAT: 0.46 NM. CHART VDP AT 1.52 MILES TO RW21R* *LNAV ONLY. WAAS CHANNEL # 40303 REFERENCE PATH ID: W21A CHART CIRCLING ICON. LTP HAE: 100.6 M											
PSC VOR/DME	RYENS (FO)	031.34 / 13.74	3500												
BACUN (IAF)	RYENS (NOPT) (FB)	279.69 / 17.86	3500												
WATSY (IAF)	RYENS (NOPT) (FB)	188.04 / 12.00	3500												
OLFUS (IAF)	RYENS (NOPT) (FB)	120.76 / 19.06	3500												
RYENS (IF/IAF)	JIVDO (FB)	210.91 / 7.55	2400												
JIVDO (FAF)	JEROG/2.60 NM TO RW21R (FB)	210.82 / 3.50													
(SEE FORM 8260-10)															
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF)															
2. HOLD NE RYENS, RT, 210.91 INBOUND, 3500 FT. IN LIEU OF PT (IAF)															
3. FAC: <u>210.82</u> FAF: <u>JIVDO</u> DIST FAF TO MAP: <u>6.10</u> THLD: <u>6.10</u>															
4. MIN. ALT: RYENS 3500, JIVDO 2400, JEROG/2.60 NM TO RW21R 1280*															
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: JIVDO 2400 OM: <u> </u> MM: <u> </u> IM: <u> </u>															
7. GS ANGLE: <u>3.00</u> TCH: <u>54.5</u> 34:1 IS CLEAR															
8. MSA FROM: RW21R 4800															
				MINIMUMS											
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE: N A		STANDARD @									
CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	604	2400	200	604	2400	200	604	2400	200	604	2400	200			
LNAV/VNAV DA	844	5100	440	844	5100	440	844	5100	440	844	5100	440			
LNAV MDA	940	2400	536	940	2400	536	940	5500	536	940	5500	536			
CIRCLING	940	1	530	940	1	530	1040	1 3/4	630	1100	2 1/4	690			
NOTES: CHART NOTE: BARO-VNAV NA WHEN USING HERMISTON ALTIMETER SETTING. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -14C (7F) OR ABOVE 54C (130F). CHART NOTE: DME/DME RNP-0.3 NA. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT PSC VOR/DME ON V187 SOUTHEAST BOUND AND ON V520 (SEE FORM 8260-10)															
CITY AND STATE		ELEVATION: 410 TDZE: 404		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:					
PASCO, WA		AIRPORT NAME: TRI-CITIES				RNAV (GPS) Y RWY 21R, AMDT 2, 11/13/2014				AMDT: 1A					
										DATED 05/05/2011					

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

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TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
JEROG/2.60 NM TO RW21R	RW21R (MAP) (FO)	210.82 / 2.60	
RW21R (MAP)	1100 MSL	210.82	1100
1100 MSL	PAIDS (FO)		5200

NOTES, (CONT.):

WESTBOUND.

CHART NOTE: VDP NA WITH HERMISTON ALTIMETER SETTING.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE HERMISTON ALTIMETER SETTING AND INCREASE ALL DA 95 FEET AND ALL MDA 100 FEET; INCREASE LNAV/VNAV ALL CATS VISIBILITY 3/8 MILE; LNAV CAT C AND D VISIBILITY 3/8 MILE AND CIRCLING CAT C AND D VISIBILITY 1/4 MILE.

QUALITY
4

CITY AND STATE PASCO, WA	ELEVATION: 410 TDZE: 404	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) Y RWY 21R, AMDT 2, 11/13/2014	SUP:
	AIRPORT NAME: TRI-CITIES			AMDT: 1A
				DATED: 05/05/2011

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

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

FAS DATA BLOCK INFORMATIONDATA FIELDDATA

OPERATION TYPE 0
SBAS SERVICE PROVIDER IDENTIFIER 0
AIRPORT IDENTIFIER KPSC
RUNWAY RW21R
APPROACH PERFORMANCE DESIGNATOR 0
ROUTE INDICATOR Y
REFERENCE PATH DATA SELECTOR 0
REFERENCE PATH IDENTIFIER (APPROACH ID) W21A
LTP/FTP LATITUDE 461610.4435N
LTP/FTP LONGITUDE 1190648.1040W
LTP/FTP ELLIPSOIDAL HEIGHT +01006
FPAP LATITUDE 461508.2705N
FPAP LONGITUDE 1190820.0605W
THRESHOLD CROSSING HEIGHT (TCH) 00054.5
TCH UNITS SELECTOR (METERS OR FEET USED) F
GLIDEPATH ANGLE (GPA) 03.00
COURSE WIDTH AT THRESHOLD 106.75
LENGTH OFFSET 0584
HORIZONTAL ALERT LIMIT (HAL) 40.0
VERTICAL ALERT LIMIT (VAL) 35.0

CRC REMAINDER

926F72EB

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K1
LTP ORTHOMETRIC HEIGHT +01224
FPAP ORTHOMETRIC HEIGHT +01224

CITY AND STATE

PASCO, WA

ELEVATION: 410

TDZE: 404

AIRPORT NAME:

TRI-CITIES

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) Y RWY 21R, AMDT 2, 11/13/2014

SUP:

AMDT:

1A

DATED:

05/05/2011

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

[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KPSCK1FR21RY	ABACUN	010BACUNK1EA0E	A	IF					18000		A JS	
SUSAP	KPSCK1FR21RY	ABACUN	020RYENSK1EA0EE	B	010TF		27970179	+	03500			A JS	
SUSAP	KPSCK1FR21RY	AOLFUS	010OLFUSK1EA0E	A	IF					18000		A JS	
SUSAP	KPSCK1FR21RY	AOLFUS	020RYENSK1EA0EE	B	010TF		12080191	+	03500			A JS	
SUSAP	KPSCK1FR21RY	APSC	010PSC K1D 0V		IF					18000		A JS	
SUSAP	KPSCK1FR21RY	APSC	020RYENSK1EA0EY		020TF		03130137	+	03500			A JS	
SUSAP	KPSCK1FR21RY	APSC	030RYENSK1EA0EE	AR	HF		21090040	+	03500			A JS	
SUSAP	KPSCK1FR21RY	AWATSY	010WATSYK1EA0E	A	IF					18000		A JS	
SUSAP	KPSCK1FR21RY	AWATSY	020RYENSK1EA0EE	B	010TF		18800120	+	03500			A JS	
SUSAP	KPSCK1FR21RY	R	010RYENSK1EA0E	I	IF			+	03500	18000		A JS	
SUSAP	KPSCK1FR21RY	R	020JIVDOK1EA1E	F	051TF		21090076	+	02400		RW21R K1PGA	JS	
SUSAP	KPSCK1FR21RY	R	020JIVDOK1EA2WALPV			ALNAV/VNAV	ALNAV					JS	
SUSAP	KPSCK1FR21RY	R	021JEROGK1EA0E	S	031TF		21080035	V	0128001284		-300	A JS	
SUSAP	KPSCK1FR21RY	R	030RW21RK1PG0GY	M	031TF		21080026		00456		-300	A JS	
SUSAP	KPSCK1FR21RY	R	040		0 M	CA	2108	+	01100			A JS	
SUSAP	KPSCK1FR21RY	R	050PAIDSK1EA0EY	R	DF			+	05200			A JS	
SUSAP	KPSCK1FR21RY	R	060PAIDSK1EA0EE	R	HM		09400050	+	05200			A JS	

[illegible]

CITY AND STATE PASCO, WA	ELEVATION: 410	TDZE: 404	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME:	TRI-CITIES	RNAV	RNAV (GPS) Y RWY 21R, AMDT 2, 11/13/2014	AMDT: 1A
					DATED: 05/05/2011

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

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

SUSAP KPSCK1GRW21R 0077112107 N46161044W119064810+0100 +0100600402060055150IIPSC1

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

SUSAP KPSCK1PR21RY RW21R001Y0000W21A0N4616104435W11906481040+010060300N4615082705W11908200605106750584000545F400350926F72EB
SUSAP KPSCK1PR21RY RW21R002E +01224+01224LPV 40303

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

SUSAP KPSCK1SRW21RK1PG 0 18018004825 M



CITY AND STATE
PASCO, WA

ELEVATION: 410 TDZE: 404
AIRPORT NAME:
TRI-CITIES

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
RNAV (GPS) Y RWY 21R, AMDT 2, 11/13/2014

SUP:
AMDT: 1A
DATED: 05/05/2011

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

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

ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	BACUN	BACUN	010	IAF	IF		FB					
	BACUN	RYENS	020		TF		FB	1.0	279.7 (294.7T)	017.9	AA 03500	
	OLFUS	OLFUS	010	IAF	IF		FB					
	OLFUS	RYENS	020		TF		FB	1.0	120.8 (135.8T)	019.1	AA 03500	
	PSC	PSC	010		IF		FB					
	PSC	RYENS	020		TF		FO	2.0	031.3 (046.3T)	013.7	AA 03500	
	PSC	RYENS	030	IAF	HF	R	FO		210.9 (225.9T)	004.0	AA 03500	
	WATSY	WATSY	010	IAF	IF		FB					
	WATSY	RYENS	020		TF		FB	1.0	188.0 (203.0T)	012.0	AA 03500	
	WATSY	RYENS	010	FACF	IF		FB				AA 03500	
	JIVDO	020	FAF	TF			FB	0.5	210.9 (225.9T)	007.6	AA 02400	
	JEROG	021	SDF	TF			FB	0.3	210.8 (225.8T)	003.5	AA 01280	GS 01284
	RW21R	030	MAP	TF			FO	0.3	210.8 (225.8T)	002.6	AT 00456	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		210.8 (225.8T)		AA 01100	
	PAIDS	050		DF	R	FO				AA 05200	
	PAIDS	060		HM	R	FO		094.0 (109.0T)	005.0	AA 05200	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	PSC	N461612.96	W1190702.27	N4616.216	W11907.038
	BACUN	N461816.04	W1182912.44	N4618.267	W11829.207
	JEROG	N461759.25	W1190406.96	N4617.988	W11904.116
	JIVDO	N462025.80	W1190029.49	N4620.430	W11900.492
	OLFUS	N463921.93	W1191153.68	N4639.366	W11911.895
	PAIDS	N462053.31	W1192735.92	N4620.889	W11927.599
	RYENS	N462541.05	W1185240.04	N4625.684	W11852.667
	WATSY	N463643.35	W1184552.88	N4636.723	W11845.881
	RW21R	N461610.44	W1190648.10	N4616.174	W11906.802

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW21R	00402	55

QUALITY
CHECKED

CITY AND STATE PASCO, WA	ELEVATION: 410	TDZE: 404	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME:	TRI-CITIES	RNAV	RNAV (GPS) Y RWY 21R, AMDT 2, 11/13/2014	AMDT: 1A
					DATED: 05/05/2011

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.											
TERMINAL ROUTES				MISSED APPROACH											
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LPV: DA LNAV/VNAV: DA LNAV: RW30 CLIMB TO 900 THEN CLIMBING LEFT TURN TO 5200 DIRECT PAIDS AND HOLD, CONTINUE CLIMB-IN-HOLD TO 5200. ADDITIONAL FLIGHT DATA: HOLD W, RT, 094.00 INBOUND. CHART FAS OBST: 535 TOWER 461534N/1190551W DISTANCE TO THLD FROM 250 HAT: 0.61 NM. CHART VDP AT 1.20 MILES TO RW30* *LNAV ONLY. WAAS CHANNEL # 86605 REFERENCE PATH ID: W30A CHART CIRCLING ICON. 623 AAO 461335N/1190239W. LTP HAE: 100.8 M											
PSC VOR/DME	IHAYO (FO)	121.61 / 12.27	3300												
AMPLE	EYORY (FB)	084.58 / 26.85	4500												
BACUN	CITYS (FB)	229.19 / 14.35	3700												
PDT VORTAC (IAF)	IHAYO (NOPT) (FB)	347.20 / 25.41	3300												
CITYS (IAF)	IHAYO (NOPT) (FB)	211.47 / 6.82	3300												
EYORY (IAF)	IHAYO (NOPT) (FB)	030.82 / 6.50	3300												
IHAYO (IF/IAF)	ACWEW (FB)	300.90 / 6.00	2200												
(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 SE IHAYO, RT, 300.90 INBOUND, 3300 FT. IN LIEU OF PT (IAF) 3. FAC: <u>300.83</u> FAF: <u>ACWEW</u> DIST FAF TO MAP: <u>5.48</u> THLD: <u>5.48</u> 4. MIN. ALT: <u>IHAYO 3300, ACWEW 2200, PASBE/3.00 NM TO RW30 1400*</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>2200</u> GS ALT AT: <u>ACWEW 2200</u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u>3.00</u> TCH: <u>54.0</u> 34:1 IS NOT CLEAR 8. MSA FROM: <u>RW30 4800</u>															
				MAG VAR: 15E 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	655	3/4	250	655	3/4	250	655	3/4	250	655	3/4	250			
LNAV/VNAV DA	749	1	344	749	1	344	749	1	344	749	1	344			
LNAV MDA	840	3/4	435	840	3/4	435	840	1 1/8	435	840	1 1/8	435			
CIRCLING	880	1	470	940	1	530	1040	1 3/4	630	1100	2 1/4	690			
NOTES: CHART NOTE: BARO-VNAV NA WHEN USING HERMISTON ALTIMETER SETTING. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -14C (7F) OR ABOVE 54C (130F). CHART NOTE: DME/DME RNP-0.3 NA. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON PDT VORTAC AIRWAY RADIALS 005 CW 029. (SEE FORM 8260-10)															
CITY AND STATE		ELEVATION: 410 TDZE: 405		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:					
PASCO, WA		AIRPORT NAME: TRI-CITIES				RNAV (GPS) Y RWY 30, AMDT 3, 11/13/2014				AMDT: 2A					
										DATED 05/05/2011					

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
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TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
ACWEW (FAF)	PASBE/3.00 NM TO RW30 (FB)	300.83 / 2.48	
PASBE/3.00 NM TO RW30	RW30 (MAP) (FO)	300.83 / 3.00	
RW30 (MAP)	900 MSL	300.83	900
900 MSL	PAIDS (FO)		5200

NOTES, (CONT.):

CHART NOTE: VDP NA WITH HERMISTON ALTIMETER SETTING.

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

ALL DA 95 FEET AND ALL MDA 100 FEET. INCREASE LPV AND LNAV/VNAV ALL CATS VISIBILITIES 1/4 MILE;

INCREASE LNAV AND CIRCLING CATS C AND D VISIBILITY 1/4 MILE.

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

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT BACUN ON V357 SOUTHEAST BOUND.

CITY AND STATE
PASCO, WA

ELEVATION: 410 TDZE: 405
AIRPORT NAME:
TRI-CITIES

FACILITY
IDENTIFIER:
RNAV

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RNAV (GPS) Y RWY 30, AMDT 3, 11/13/2014

SUP:
AMDT: 2A
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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 KPSC
RUNWAY RW30
APPROACH PERFORMANCE DESIGNATOR 0
ROUTE INDICATOR Y
REFERENCE PATH DATA SELECTOR 0
REFERENCE PATH IDENTIFIER (APPROACH ID) W30A
LTP/FTP LATITUDE 461531.4600N
LTP/FTP LONGITUDE 1190626.1580W
LTP/FTP ELLIPSOIDAL HEIGHT +01008
FPAP LATITUDE 461635.2625N
FPAP LONGITUDE 1190755.7755W
THRESHOLD CROSSING HEIGHT (TCH) 00054.0
TCH UNITS SELECTOR (METERS OR FEET USED) F
GLIDEPATH ANGLE (GPA) 03.00
COURSE WIDTH AT THRESHOLD 106.75
LENGTH OFFSET 0464
HORIZONTAL ALERT LIMIT (HAL) 40.0
VERTICAL ALERT LIMIT (VAL) 50.0

CRC REMAINDER

9BFAA62E

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K1
LTP ORTHOMETRIC HEIGHT +01225
FPAP ORTHOMETRIC HEIGHT +01225

CITY AND STATE

PASCO, WA

ELEVATION: 410

TDZE: 405

AIRPORT NAME:

TRI-CITIES

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) Y RWY 30, AMDT 3, 11/13/2014

SUP:

AMDT:

2A

DATED:

05/05/2011

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

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ARINC PACKET - 424-18 - RNAV (GPS)

[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KP	SC	1FR30-Y	AAMPLE	010	AMPLEK1EA0E	IF			18000		A	JS
SUSAP	KP	SC	1FR30-Y	AAMPLE	020	EYORYK1EA0E	A 020TF	08460269	+	04500		A	JS
SUSAP	KP	SC	1FR30-Y	AAMPLE	030	IHAYOK1EA0EE	B 010TF	03080065	+	03300		A	JS
SUSAP	KP	SC	1FR30-Y	ABACUN	010	BACUNK1EA0E	IF			18000		A	JS
SUSAP	KP	SC	1FR30-Y	ABACUN	020	CITYYSK1EA0E	A 020TF	22920144	+	03700		A	JS
SUSAP	KP	SC	1FR30-Y	ABACUN	030	IHAYOK1EA0EE	B 010TF	21150068	+	03300		A	JS
SUSAP	KP	SC	1FR30-Y	APDT	010	PDT K1D 0V	A IF			18000		A	JS
SUSAP	KP	SC	1FR30-Y	APDT	020	IHAYOK1EA0EE	B 010TF	34720254	+	03300		A	JS
SUSAP	KP	SC	1FR30-Y	APSC	010	PSC K1D 0V	IF			18000		A	JS
SUSAP	KP	SC	1FR30-Y	APSC	020	IHAYOK1EA0EY	020TF	12160123	+	03300		A	JS
SUSAP	KP	SC	1FR30-Y	APSC	030	IHAYOK1EA0EE	AR HF	30090040	+	03300		A	JS
SUSAP	KP	SC	1FR30-Y	R	010	IHAYOK1EA0E	I IF			18000		A	JS
SUSAP	KP	SC	1FR30-Y	R	020	ACWEWK1EA1E	F 051TF	30090060	+	02200			
SUSAP	KP	SC	1FR30-Y	R	020	ACWEWK1EA2WALPV	ALNAV/VNAV ALNAV				RW30	K1PGA	JS
SUSAP	KP	SC	1FR30-Y	R	021	PASBEK1EA0E	S 031TF	30080025	V	0140001411	-300	A	JS
SUSAP	KP	SC	1FR30-Y	R	030	RW30 K1PGOGY	M 031TF	30080030		00456	-300	A	JS
SUSAP	KP	SC	1FR30-Y	R	040		0 M CA	3008	+	00900		A	JS
SUSAP	KP	SC	1FR30-Y	R	050	PAIDSK1EA0EY	L DF		+	05200		A	JS

QUALITY
CHECKED

CITY AND STATE PASCO, WA	ELEVATION: 410	TDZE: 405	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME:	TRI-CITIES	RNAV	RNAV (GPS) Y RWY 30, AMDT 3, 11/13/2014	AMDT: 2A
					DATED: 05/05/2011

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
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SUSAP KPSC1FR30-Y R 060PAIDSK1EA0EE R HM 09400050 + 05200 A JS

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

SUSAP KPSC1GRW30 0077033008 N46153146W119062616-0100 +0100800402020054150R

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

SUSAP KPSC1PR30-Y RW30 001Y0000W30A0N4615314600W11906261580+010080300N4616352625W11907557755106750464000540F4005009BF6A62E
SUSAP KPSC1PR30-Y RW30 002E +01225+01225LPV 86605

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

SUSAP KPSC1SRW30 K1PG 0 18018004825 M



CITY AND STATE PASCO, WA	ELEVATION: 410	TDZE: 405	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) Y RWY 30, AMDT 3, 11/13/2014	SUP:
	AIRPORT NAME: TRI-CITIES	AMDT: 2A			
	DATED: 05/05/2011				

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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
	AMPLE	AMPLE	010		IF		FB					
	AMPLE	EYORY	020	IAF	TF		FB	2.0	084.6(099.6T)	026.9	AA 04500	
	AMPLE	IHAYO	030		TF		FB	1.0	030.8(045.8T)	006.5	AA 03300	
	BACUN	BACUN	010		IF		FB					
	BACUN	CITYS	020	IAF	TF		FB	2.0	229.2(244.2T)	014.4	AA 03700	
	BACUN	IHAYO	030		TF		FB	1.0	211.5(226.5T)	006.8	AA 03300	
	PDT	PDT	010	IAF	IF		FB					
	PDT	IHAYO	020		TF		FB	1.0	347.2(002.2T)	025.4	AA 03300	
	PSC	PSC	010		IF		FB					
	PSC	IHAYO	020		TF		FO	2.0	121.6(136.6T)	012.3	AA 03300	
	PSC	IHAYO	030	IAF	HF	R	FO		300.9(315.9T)	004.0	AA 03300	
		IHAYO	010	FACF	IF		FB				AA 03300	
		ACWEW	020	FAF	TF		FB	0.5	300.9(315.9T)	006.0	AA 02200	
		PASBE	021	SDF	TF		FB	0.3	300.8(315.8T)	002.5	AA 01400	GS 01411
		RW30	030	MAP	TF		FO	0.3	300.8(315.8T)	003.0	AT 00456	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		300.8(315.8T)		AA 00900	
	PAIDS	050		DF	L	FO				AA 05200	
	PAIDS	060		HM	R	FO		094.0(109.0T)	005.0	AA 05200	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	PDT	N454154.31	W1185619.33	N4541.905	W11856.322
	PSC	N461612.96	W1190702.27	N4616.216	W11907.038
	ACWEW	N461136.00	W1190056.16	N4611.600	W11900.936
	AMPLE	N460720.29	W1193938.04	N4607.338	W11939.634
	BACUN	N461816.04	W1182912.44	N4618.267	W11829.207
	CITYS	N461159.67	W1184748.53	N4611.995	W11847.809
	EYORY	N460246.04	W1190137.39	N4602.767	W11901.623
	IHAYO	N460717.56	W1185455.30	N4607.293	W11854.922
	PAIDS	N462053.31	W1192735.92	N4620.889	W11927.599
	PASBE	N461322.51	W1190325.29	N4613.375	W11903.422
	RW30	N461531.46	W1190626.16	N4615.524	W11906.436

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW30	00402	54

QUALITY
CHECKED

CITY AND STATE PASCO, WA	ELEVATION: 410	TDZE: 405	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME:	TRI-CITIES	RNAV	RNAV (GPS) Y RWY 30, AMDT 3, 11/13/2014	AMDT: 2A
					DATED: 05/05/2011

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TERMINAL ROUTES, (CONT.):			
FROM	TO	COURSE AND DISTANCE	ALTITUDE
EVVOR (IF)	ZOGOL (TF) (FB) (RNP 1.00)	237.88 / 2.12	3700
WATSY (IAF)	CUTAS (TF) (FB) (RNP 1.00)	193.17 / 22.11	3700
CUTAS (IF)	HIDLI (TF) (FB) (RNP 1.00)	192.73 / 9.71	3700
HIDLI	ZOGOL (RF) (FB) (RNP 0.50)	(2.80 NM RADIUS CW (CFFLW))/2.21	3700
ZOGOL	JUTAM (RF) (FB) (RNP 0.50)	(2.64 NM RADIUS CW (CFFLX))/4.78	2800
CORDO (IAF)	ONSEW (TF) (FB) (RNP 1.00)	337.29 / 13.10	3400
ONSEW (IF)	HEROG (TF) (FB) (RNP 0.50)	332.16 / 3.88	3400
HEROG	JUTAM (TF) (FB) (RNP 0.50)	341.49 / 2.40	2800
JUTAM	KUMKE (RF) (FB) (RNP 0.50)	(2.48 NM RADIUS CW (CFFMC))/2.13	2200
NIALS (IAF)	PAIDS (TF) (FB) (RNP 1.00)	159.76 / 14.30	3100
PAIDS (IF)	HUGET (TF) (FB) (RNP 1.00)	131.20 / 10.80	3100
HUGET	NUNY (RF) (FB) (RNP 0.50)	(2.40 NM RADIUS CCW (CFFLZ))/2.12	2600
NUNY	KUMKE (RF) (FB) (RNP 0.50)	(2.40 NM RADIUS CCW (CFFLZ))/2.10	2200
KUMKE (FAF)	RW03L (MAP) (TF) (FO)	030.65 / 5.48	
RW03L (MAP)	ZOGEN (TF) (FB) (RNP 1.00)	030.72 / 6.02	
ZOGEN	IDUSY (RF) (FB) (RNP 1.00)	(4.50 NM RADIUS CW (CFFMB))/ 8.84	
IDUSY	CITYS (TF) (FO) (RNP 1.00)	143.41 / 6.45	3200

CITY AND STATE PASCO, WA	ELEVATION: 410 AIRPORT NAME: TRI-CITIES	TDZE: 410 RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (RNP) Z RWY 3L, AMDT 1, 11/13/2014 13 NOVEMBER 2014	SUP:
				AMDT: ORIG-B
				DATED: 07/24/2014

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
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NOTES: (CONT.)

CHART PLANVIEW NOTE AT ZOGOL : MAX 180 KIAS.

CHART PLANVIEW NOTE AT JUTAM : MAX 180 KIAS.

CHART PLANVIEW NOTE AT HUGET : MAX 180 KIAS.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT AMPLE ON V4 WESTBOUND AND V520 SOUTHWEST BOUND.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT CITYS ON V520 EASTBOUND.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT WATSY ON V357 NORTHWEST BOUND AND V204 NORTHBOUND.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT CORDO ON V4 EASTBOUND.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT NIALS ON V187 NORTHWEST BOUND.

CHART PLANVIEW NOTE AT AMPLE: (RNP 0.40).

CHART PLANVIEW NOTE AT CITYS: (RNP 0.50).

CHART PLANVIEW NOTE AT WATSY: (RNP 0.50).

CHART PLANVIEW NOTE AT CORDO: (RNP 0.50).

CHART PLANVIEW NOTE AT NIALS: (RNP 0.50).

CHART PROFILE NOTE: SEE PLANVIEW FOR MULTIPLE IF LOCATIONS.

CITY AND STATE

PASCO, WA

ELEVATION: 410

TDZE: 410

AIRPORT NAME:

TRI-CITIES

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:

RNAV (RNP) Z RWY 3L, AMDT 1, 11/13/2014

13 NOVEMBER 2014

SUP:

AMDT: ORIG-B

DATED: 07/24/2014

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

	1	2	3	4	5	6	7	8	9	0	1	2	3
WP	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAEENRT	AMPLE	K10	C	L	N46072029W119393804			E0152	NAR		AMPLE		
SUSAEENRT	CITYS	K10	C	L	N46115967W118474853			E0150	NAR		CITYS		
SUSAEENRT	CORDO	K10	C	L	N45502698W119104496			E0150	NAR		CORDO		
SUSAEENRT	CUTAS	K10	W		N46171314W119005603			E0151	NAR		CUTAS		
SUSAEENRT	NIALS	K10	C	L	N46350732W119292909			E0153	NAR		NIALS		
SUSAEENRT	PAIDS	K10	C	L	N46205331W119273592			E0152	NAR		PAIDS		
SUSAEENRT	WATSY	K10	C	L	N46364335W118455288			E0151	NAR		WATSY		

	1	2	3	4	5	6	7	8	9	0	1	2	3
AIRPORT	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP	KPSCK1APSC	0		077YHN46155290W119070850E015000410			1800018000C	MNAR		TRI-CITIES			

	1	2	3	4	5	6	7	8	9	0	1	2	3
TRM WP	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP	KPSCK1CCFFLW	K10	A		N46095510W119110018			E0151	NAR		CNF (CFFLW)		
SUSAP	KPSCK1CCFFLX	K10	A		N46094593W119105610			E0151	NAR		CNF (CFFLX)		
SUSAP	KPSCK1CCFFLZ	K10	A		N46131467W119160450			E0151	NAR		CNF (CFFLZ)		
SUSAP	KPSCK1CCFFMB	K10	A		N46161965W118571569			E0151	NAR		CNF (CFFMB)		
SUSAP	KPSCK1CCFFMC	K10	A		N46094535W119110990			E0151	NAR		CNF (CFFMC)		
SUSAP	KPSCK1CEVVOR	K10	W		N46075212W119065400			E0151	NAR		EVVOR		
SUSAP	KPSCK1CHEROG	K10	W		N46071279W119143091			E0151	NAR		HEROG		
SUSAP	KPSCK1CHIDLI	K10	W		N46083722W119072607			E0151	NAR		HIDLI		
SUSAP	KPSCK1CHUGET	K10	W		N46115482W119185703			E0151	NAR		HUGET		
SUSAP	KPSCK1CIDUSY	K10	W		N46175923W118511341			E0150	NAR		IDUSY		
SUSAP	KPSCK1CJUTAM	K10	W		N46093631W119144356			E0151	NAR		JUTAM		
SUSAP	KPSCK1CKADDE	K10	W		N46093822W119162661			E0151	NAR		KADDE		
SUSAP	KPSCK1CKUMKE	K10	W		N46113175W119133953			E0151	NAR		KUMKE		
SUSAP	KPSCK1CNUNYI	K10	W		N46105142W119162506			E0151	NAR		NUNYI		
SUSAP	KPSCK1CONSEW	K10	W		N46032566W119131644			E0151	NAR		ONSEW		
SUSAP	KPSCK1COPPAV	K10	W		N46072396W119194395			E0151	NAR		OPPAV		
SUSAP	KPSCK1CORIYU	K10	W		N46102808W119151327			E0151	NAR		ORIYU		
SUSAP	KPSCK1CZOGEN	K10	W		N46193342W119014734			E0151	NAR		ZOGEN		
SUSAP	KPSCK1CZOGOL	K10	W		N46071463W119094890			E0151	NAR		ZOGOL		

	1	2	3	4	5	6	7	8	9	0	1	2	3
SEGMENT	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP	KPSCK1FH03LZ	AAMPLE	010	AAMPLEK1EA0E	A	IF				18000		A FS	
SUSAP	KPSCK1FH03LZ	AAMPLE	020	OPPAVK1PC0E	B	010TF			+ 03400			A FS	

CITY AND STATE PASCO, WA	ELEVATION: 410	TDZE: 410	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME: TRI-CITIES		RNAV	RNAV (RNP) Z RWY 3L, AMDT 1, 11/13/2014	AMDT: ORIG-B
				13 NOVEMBER 2014	DATED: 07/24/2014

QUALITY
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CHECKED

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[illegible]

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

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (RNP) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.33

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ARINC SUMMARY - 424-18 - RNAV (RNP)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	AMPLE	AMPLE	010	IAF	IF		FB					
	AMPLE	OPPAV	020		TF		FB	1.0			AA 03400	
	AMPLE	KADDE	030		TF		FB	0.6			AA 02900	
	AMPLE	ORIYU	040		TF		FB	0.4			AA 02600	
	AMPLE	KUMKE	050		TF		FB	0.4			AA 02200	
	CITYS	CITYS	010	IAF	IF		FB					
	CITYS	EVVOR	020		TF		FB	1.0			AA 03700	
	CITYS	ZOGOL	030		TF		FB	1.0			AA 03700	AB 180
	CITYS	JUTAM	040		RF	R	FB	0.5		004.8	AA 02800	AB 180
	CITYS	KUMKE	050		RF	R	FB	0.5		002.1	AA 02200	
	CORDO	CORDO	010	IAF	IF		FB					
	CORDO	ONSEW	020		TF		FB	1.0			AA 03400	
	CORDO	HEROG	030		TF		FB	0.5			AA 03400	
	CORDO	JUTAM	040		TF		FB	0.5			AA 02800	AB 180
	CORDO	KUMKE	050		RF	R	FB	0.5		002.1	AA 02200	
	NIALS	NIALS	010	IAF	IF		FB					
	NIALS	PAIDS	020		TF		FB	1.0			AA 03100	
	NIALS	HUGET	030		TF		FB	1.0			AA 03100	AB 180
	NIALS	NUNYI	040		RF	L	FB	0.5		002.1	AA 02600	
	NIALS	KUMKE	050		RF	L	FB	0.5		002.1	AA 02200	
	WATSY	WATSY	010	IAF	IF		FB					
	WATSY	CUTAS	020		TF		FB	1.0			AA 03700	
	WATSY	HIDLI	030		TF		FB	1.0			AA 03700	AB 180
	WATSY	ZOGOL	040		RF	R	FB	0.5		002.2	AA 03700	AB 180
	WATSY	JUTAM	050		RF	R	FB	0.5		004.8	AA 02800	AB 180
	WATSY	KUMKE	060		RF	R	FB	0.5		002.1	AA 02200	
		KUMKE	020	FAF	IF		FB				AA 02200	
		RW03L	030	MAP	TF		FO	0.3			AT 00454	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	ZOGEN	040		TF		FB	1.0				
	IDUSY	050		RF	R	FB	1.0		008.8		
	CITYS	060		TF		FO	1.0			AA 03200	
	CITYS	070		HM	R	FO		272.4 (287.4T)	004.0	AA 03200	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	AMPLE	N460720.29	W1193938.04	N4607.338	W11939.634
	CITYS	N461159.67	W1184748.53	N4611.995	W11847.809
	CORDO	N455026.98	W1191044.96	N4550.450	W11910.749
	CUTAS	N461713.14	W1190056.03	N4617.219	W11900.934

QUALITY
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CHECKED

CITY AND STATE PASCO, WA	ELEVATION: 410	TDZE: 410	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME:	TRI-CITIES	RNAV	RNAV (RNP) Z RWY 3L, AMDT 1, 11/13/2014	AMDT: ORIG-B
				13 NOVEMBER 2014	DATED: 07/24/2014

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (RNP) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.33

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NIALS	N463507.32	W1192929.09	N4635.122	W11929.485
PAIDS	N462053.31	W1192735.92	N4620.889	W11927.599
WATSY	N463643.35	W1184552.88	N4636.723	W11845.881
CFPLW	N460955.10	W1191100.18	N4609.918	W11911.003
CFFLX	N460945.93	W1191056.10	N4609.766	W11910.935
CFFLZ	N461314.67	W1191604.50	N4613.245	W11916.075
CFFMB	N461619.65	W1185715.69	N4616.328	W11857.262
CFFMC	N460945.35	W1191109.90	N4609.756	W11911.165
EVVOR	N460752.12	W1190654.00	N4607.869	W11906.900
HEROG	N460712.79	W1191430.91	N4607.213	W11914.515
HIDLI	N460837.22	W1190726.07	N4608.620	W11907.435
HUGET	N461154.82	W1191857.03	N4611.914	W11918.951
IDUSY	N461759.23	W1185113.41	N4617.987	W11851.224
JUTAM	N460936.31	W1191443.56	N4609.605	W11914.726
KADDE	N460938.22	W1191626.61	N4609.637	W11916.444
KUMKE	N461131.75	W1191339.53	N4611.529	W11913.659
NUNYU	N461051.42	W1191625.06	N4610.857	W11916.418
ONSEW	N460325.66	W1191316.44	N4603.428	W11913.274
OPPAV	N460723.96	W1191943.95	N4607.399	W11919.733
ORIYU	N461028.08	W1191513.27	N4610.468	W11915.221
ZOGEN	N461933.42	W1190147.34	N4619.557	W11901.789
ZOGOL	N460714.63	W1190948.90	N4607.244	W11909.815
RW03L	N461521.44	W1190800.57	N4615.357	W11908.010

RUNWAY DATA

	THRESHOLD	
RWY	ELEVATION	TCH
RW03L	00410	45

QUALITY
12

CITY AND STATE PASCO, WA	ELEVATION: 410	TDZE: 410	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (RNP) Z RWY 3L, AMDT 1, 11/13/2014 13 NOVEMBER 2014	SUP: CHECKED
	AIRPORT NAME: TRI-CITIES				AMDT: ORIG-B
					DATED: 07/24/2014

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV (RNP) - STANDARD,
INSTRUMENT APPROACH PROCEDURE,
TITLE 14 CFR PART 97.33

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TERMINAL ROUTES				MISSED APPROACH											
FROM	TO	COURSE AND DISTANCE	ALTITUDE	RNP: DA											
WATSY (IAF)	CULRI (TF) (FB) (RNP 1.00)	218.76 / 18.21	4000	CLIMB TO 3200 ON TRACK 120.74 TO JIGPI, LEFT TURN TO ZEGRU, AND ON TRACK 065.01 TO CITYS AND HOLD.											
PAIDS (IAF)	YIZED (TF) (FB) (RNP 1.00)	074.87 / 7.70	2800												
NIALS (IAF)	HILOB (TF) (FB) (RNP 1.00)	132.02 / 11.58	3100												
CITYS (IAF)	HUKAK (TF) (FB) (RNP 1.00)	295.60 / 15.62	3200												
GINLE (IAF)	MOJUY (TF) (FB) (RNP 1.00)	349.54 / 9.80	3200												
(SEE FORM 8260-10)				ADDITIONAL FLIGHT DATA: HOLD E, RT, 272.44 INBOUND. DISTANCE TO THLD FROM 367 HAT: 0.98 NM. ROUTE TYPE QUALIFIER1: F ROUTE TYPE QUALIFIER2: S ROUTE TYPE: A, H #TCH 449.3 (DO NOT CHART)											
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 WEDAV <u> </u> 3. FAC: <u>120.68</u> FAF: <u> </u> DIST FAF TO MAP: <u> </u> THLD: <u> </u> 4. MIN. ALT: WEDAV 1900 5. DIST TO THLD FROM OM: <u>4.55</u> MM: <u> </u> IM: <u>150</u> HAT: <u>100</u> HAT: <u> </u> GS ANT: <u> </u> 6. MIN GS INCPT: <u>1900</u> GS ALT AT: WEDAV 1900 OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u>3.00</u> TCH: #53.8 34:1 IS CLEAR 8. MSA FROM: RW12 4900								MAG VAR: 15E		EPOCH YEAR: 2015					
MINIMUMS															
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE: N A		STANDARD									
CATEGORY =====>	A		B		C		D		E						
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
AUTHORIZATION REQUIRED															
RNP 0.11 DA	769	1 1/4	367	769	1 1/4	367	769	1 1/4	367	769	1 1/4	367			
RNP 0.30 DA	883	1 5/8	481	883	1 5/8	481	883	1 5/8	481	883	1 5/8	481			
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -14C (7F) OR ABOVE 54C (130F). CHART NOTE: GPS REQUIRED. CHART PLANVIEW NOTE AT OTAVY : MAX 180 KIAS. CHART PLANVIEW NOTE AT WIDAK : MAX 180 KIAS. (SEE FORM 8260-10)															
CITY AND STATE		ELEVATION: 410 TDZE: 402		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:					
PASCO, WA		AIRPORT NAME:		RNAV		RNAV (RNP) Z RWY 12, AMDT 1, 11/13/2014				AMDT: ORIG-A					
		TRI-CITIES								DATED 07/24/2014					

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
**RNAV (RNP) - STANDARD,
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TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
MOJUY (IF)	OTAVY (TF) (FB) (RNP 0.50)	328.63 / 11.48	3000
OTAVY	WIDAK (RF) (FB) (RNP 0.50)	(2.60 NM RADIUS CCW (CFFML))/1.48	3000
HUKAK (IF)	WIDAK (TF) (FB) (RNP 0.50)	295.95 / 2.01	3000
WIDAK	JUMAT (RF) (FB) (RNP 0.50)	(2.60 NM RADIUS CCW (CFFML))/3.49	3000
CULRI (IF)	JUMAT (TF) (FB) (RNP 1.00)	219.08 / 3.99	3000
JUMAT	WEDAV (RF) (FB) (RNP 0.50)	(2.60 NM RADIUS CCW (CFFML))/4.46	1900
YIZED (IF)	WEDAV (RF) (FB) (RNP 0.50)	(4.08 NM RADIUS CW (CFFMW))/3.25	1900
HILOB (IF)	WEDAV (TF) (FB) (RNP 1.00)	120.59 / 8.03	1900
WEDAV (FAF)	RW12 (MAP) (TF) (FO)	120.68 / 4.56	
RW12 (MAP)	JIGPI (TF) (FB) (RNP1.00)	120.74 / 5.77	
JIGPI	ZEGRU (RF) (FB) (RNP1.00)	(4.49 NM RADIUS CCW (CFFMX))/4.38	
ZEGRU	CITYS (TF) (FO) (RNP1.00)	065.01 / 5.86	3200

NOTES, (CONT.):

CHART PLANVIEW NOTE AT JUMAT : MAX 180 KIAS.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT WATSY ON V357 NORTHWEST BOUND, AND ARRIVALS ON V204 NORTHBOUND.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT PAIDS ON V204 WESTBOUND.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT NIALS ON V187 NORTHWEST BOUND.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT CITYS ON V520 EASTBOUND.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT GINLE ON V298 SOUTHEAST BOUND.

CHART PLANVIEW NOTE AT WATSY: (RNP 0.50).

CHART PLANVIEW NOTE AT PAIDS: (RNP 0.50).

CHART PLANVIEW NOTE AT CITYS: (RNP 0.50).

CITY AND STATE

PASCO, WA

ELEVATION: 410

TDZE: 402

AIRPORT NAME:

TRI-CITIES

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:

RNAV (RNP) Z RWY 12, AMDT 1, 11/13/2014

SUP:

AMDT: ORIG-A

DATED: 07/24/2014

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

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CHART PLANVIEW NOTE AT GINLE: (RNP 0.50).

CHART PROFILE NOTE: SEE PLANVIEW FOR MULTIPLE IF LOCATIONS.

CHART NOTE: RF REQUIRED.

CITY AND STATE

PASCO, WA

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TDZE: 402

AIRPORT NAME:

TRI-CITIES

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:

RNAV (RNP) Z RWY 12, AMDT 1, 11/13/2014

SUP:

AMDT: ORIG-A

DATED: 07/24/2014

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[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KPSC1FH12-Z ACITYS 010CITYSK1EA0E A IF										18000		A FS	
SUSAP KPSC1FH12-Z ACITYS 020HUKAKK1PC0E B 010TF								+ 03200				A FS	
SUSAP KPSC1FH12-Z ACITYS 030WIDAKK1PC0E 051TF								+ 03000		180		A-FS	
SUSAP KPSC1FH12-Z ACITYS 040JUMATK1PC0E L051RF					0026002960		21910035	+ 03000		180	FFFML K1PCA-FS		
SUSAP KPSC1FH12-Z ACITYS 050WEDAVK1PC0EE L051RF					0026002191		12070045	+ 01900			FFFML K1PCA FS		
SUSAP KPSC1FH12-Z AGINLE 010GINLEK1EA0E A IF										18000		A FS	
SUSAP KPSC1FH12-Z AGINLE 020MOJUYK1PC0E B 010TF								+ 03200				A FS	
SUSAP KPSC1FH12-Z AGINLE 030OTAVYK1PC0E 051TF								+ 03000		180		A-FS	
SUSAP KPSC1FH12-Z AGINLE 040WIDAKK1PC0E L051RF					0026003286		29600015	+ 03000		180	FFFML K1PCA-FS		

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CHECKED

RNAV (RNP) STANDARD INSTRUMENT APPROACH PROCEDURE

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SUSAP	KPSCK1FH12-Z	AGINLE	050JUMATK1PCOE	L051RF	0026002960	21910035	+	03000	180	CFFML	K1PCA-FS
SUSAP	KPSCK1FH12-Z	AGINLE	060WEDAVK1PCOEE	L051RF	0026002191	12070045	+	01900		CFFML	K1PCA FS
SUSAP	KPSCK1FH12-Z	ANIALS	010NIALSK1EAOE	A IF					18000		A FS
SUSAP	KPSCK1FH12-Z	ANIALS	020H1LOBK1PCOE	B 010TF			+	03100			A FS
SUSAP	KPSCK1FH12-Z	ANIALS	030WEDAVK1PCOEE	010TF			+	01900			A FS
SUSAP	KPSCK1FH12-Z	APAI DS	010PAIDSK1EAOE	A IF					18000		A FS
SUSAP	KPSCK1FH12-Z	APAI DS	020Y1ZEDK1PCOE	B 010TF			+	02800			A FS
SUSAP	KPSCK1FH12-Z	APAI DS	030WEDAVK1PCOEE	R051RF	0040800749	12070033	+	01900		CFFMW	K1PCA FS
SUSAP	KPSCK1FH12-Z	AWATSY	010WATSYK1EAOE	A IF					18000		A FS
SUSAP	KPSCK1FH12-Z	AWATSY	020CULRIK1PCOE	B 010TF			+	04000			A FS
SUSAP	KPSCK1FH12-Z	AWATSY	030JUMATK1PCOE	010TF			+	03000	180		A-FS
SUSAP	KPSCK1FH12-Z	AWATSY	040WEDAVK1PCOEE	L051RF	0026002191	12070045	+	01900		CFFML	K1PCA FS
SUSAP	KPSCK1FH12-Z	H	020WEDAVK1PC1E	F IF			+	01900	18000	RW12	BK1PGA FS
SUSAP	KPSCK1FH12-Z	H	020WEDAVK1PC2W					A031A112			FS
SUSAP	KPSCK1FH12-Z	H	030RW12	K1PGOGY M	031TF			00449	-300		A FS
SUSAP	KPSCK1FH12-Z	H	040JIGPIK1PCOE	M 010TF							A FS
SUSAP	KPSCK1FH12-Z	H	050ZBGRUK1PCOE	L010RF	0044901207	06500044				CFFMX	K1PCA FS
SUSAP	KPSCK1FH12-Z	H	060CITYSK1EAOEY	010TF			+	03200			A FS
SUSAP	KPSCK1FH12-Z	H	070CITYSK1EAOEE	R HM		27240040	+	03200			A FS

[illegible]

SUSAP KPSCCK1GRW12 0077031207 N46162451W119074068+0100 +0098800396000054150R

[illegible]

SUSAP KPSC1SRW12 K1PGB 0 18018004925 M

QUALITY
12

CITY AND STATE
PASCO, WA

ELEVATION: 410	TDZE: 402
AIRPORT NAME:	TRI-CITIES

FACILITY
IDENTIFIER:
| RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
RNAV (RNP) Z RWY 12, AMDT 1, 11/13/2014

4	SUP:	CHECKED
	AMDT:	ORIG-A
	DATED:	07/24/2014

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

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	CITYS	CITYS	010	IAF	IF		FB					
	CITYS	HUKAK	020		TF		FB	1.0			AA 03200	
	CITYS	WIDAK	030		TF		FB	0.5			AA 03000	AB 180
	CITYS	JUMAT	040		RF	L	FB	0.5		003.5	AA 03000	AB 180
	CITYS	WEDAV	050		RF	L	FB	0.5		004.5	AA 01900	
	GINLE	GINLE	010	IAF	IF		FB					
	GINLE	MOJUY	020		TF		FB	1.0			AA 03200	
	GINLE	OTAVY	030		TF		FB	0.5			AA 03000	AB 180
	GINLE	WIDAK	040		RF	L	FB	0.5		001.5	AA 03000	AB 180
	GINLE	JUMAT	050		RF	L	FB	0.5		003.5	AA 03000	AB 180
	GINLE	WEDAV	060		RF	L	FB	0.5		004.5	AA 01900	
	NIALS	NIALS	010	IAF	IF		FB					
	NIALS	HILOB	020		TF		FB	1.0			AA 03100	
	NIALS	WEDAV	030		TF		FB	1.0			AA 01900	
	PAIDS	PAIDS	010	IAF	IF		FB					
	PAIDS	YIZED	020		TF		FB	1.0			AA 02800	
	PAIDS	WEDAV	030		RF	R	FB	0.5		003.3	AA 01900	
	WATSY	WATSY	010	IAF	IF		FB					
	WATSY	CULRI	020		TF		FB	1.0			AA 04000	
	WATSY	JUMAT	030		TF		FB	1.0			AA 03000	AB 180
	WATSY	WEDAV	040		RF	L	FB	0.5		004.5	AA 01900	
		WEDAV	020	FAF	IF		FB				AA 01900	
		RW12	030	MAP	TF		FO	0.3			AT 00449	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	JIGPI	040		TF		FB	1.0				
	ZEGRU	050		RF	L	FB	1.0		004.4		
	CITYS	060		TF		FO	1.0			AA 03200	
	CITYS	070		HM	R	FO		272.4 (287.4T)	004.0	AA 03200	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CITYS	N461159.67	W1184748.53	N4611.995	W11847.809
	GINLE	N460126.43	W1190225.31	N4601.441	W11902.422
	NIALS	N463507.32	W1192929.09	N4635.122	W11929.485
	PAIDS	N462053.31	W1192735.92	N4620.889	W11927.599
	WATSY	N463643.35	W1184552.88	N4636.723	W11845.881
	CFFML	N462129.01	W1190934.80	N4621.484	W11909.580
	CFFMW	N461648.91	W1191628.71	N4616.815	W11916.479
	CFFMX	N461524.00	W1185714.67	N4615.400	W11857.245
	CULRI	N462555.89	W1190706.68	N4625.932	W11907.111

QUALITY
12

CITY AND STATE PASCO, WA	ELEVATION: 410	TDZE: 402	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP: CHECKED
	AIRPORT NAME:	TRI-CITIES	RNAV	RNAV (RNP) Z RWY 12, AMDT 1, 11/13/2014	AMDT: ORIG-A
					DATED: 07/24/2014

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (RNP) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.33

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HILOB	N462524.38	W1192022.44	N4625.406	W11920.374
HUKAK	N462208.00	W1190455.87	N4622.133	W11904.931
JIGPI	N461216.52	W1190152.87	N4612.275	W11901.881
JUMAT	N462335.24	W1191147.11	N4623.587	W11911.785
MOJUY	N461112.31	W1190118.35	N4611.205	W11901.306
OTAVY	N462213.16	W1190558.78	N4622.219	W11905.980
WEDAV	N461940.10	W1191215.96	N4619.668	W11912.266
WIDAK	N462326.88	W1190707.30	N4623.448	W11907.122
YIZED	N462053.84	W1191628.71	N4620.897	W11916.479
ZEGRU	N461058.97	W1185607.38	N4610.983	W11856.123
RW12	N461624.51	W1190740.68	N4616.409	W11907.678

RUNWAY DATA

RWY	THRESHOLD ELEVATION	TCH
RW12	00396	54

QUALITY
12

CITY AND STATE PASCO, WA	ELEVATION: 410	TDZE: 402	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (RNP) Z RWY 12, AMDT 1, 11/13/2014	SUP: CHECKED
	AIRPORT NAME: TRI-CITIES				AMDT: ORIG-A
					DATED: 07/24/2014

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION				RNAV (RNP) - STANDARD, INSTRUMENT APPROACH PROCEDURE, TITLE 14 CFR PART 97.33				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.								
TERMINAL ROUTES										MISSED APPROACH						
FROM		TO		COURSE AND DISTANCE				ALTITUDE		RNP: DA						
AMPLE (IAF)		KADDE (TF) (FB) (RNP 1.00)		066.74 / 16.29				3400		CLIMB TO 5200 ON TRACK 210.74 TO KARTE, RIGHT TURN TO DAMSE, AND ON TRACK 331.78 TO PAIDS AND HOLD.						
KADDE (IF)		ODKUE (TF) (FB) (RNP 1.00)		052.49 / 12.38				3200								
ODKUE		ZUDAV (RF) (FB) (RNP 0.50)		(2.77 NM RADIUS CCW (CFFNM))/1.93				2600		ADDITIONAL FLIGHT DATA: HOLD W, RT, 094.00 INBOUND. DISTANCE TO THLD FROM 350 HAT: 0.93 NM. ROUTE TYPE QUALIFIER 1: F ROUTE TYPE QUALIFIER 2: S ROUTE TYPE: A, H #TCH 456.0 MSL (DO NOT CHART)						
GINLE (IAF)		MOJUY (TF) (FB) (RNP 1.00)		349.54 / 9.80				3200								
MOJUY (IF)		ZUDAV (TF) (FB) (RNP 1.00)		012.80 / 5.00				2600								
(SEE FORM 8260-10)																
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)																
2. PROFILE STARTS AT HOSEG _____																
3. FAC: 210.78 FAF: _____ DIST FAF TO MAP: _____ THLD: _____																
4. MIN. ALT: HOSEG 1500																
5. DIST TO THLD FROM OM: 3.28 MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____																
6. MIN GS INCPT: 1500 GS ALT AT: HOSEG 1500 OM: _____ MM: _____ IM: _____																
7. GS ANGLE: 3.00 TCH: #54.5 34:1 IS CLEAR																
8. MSA FROM: RW21R 4900																
MAG VAR: 15E EPOCH YEAR: 2015																
MINIMUMS																
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT								ALTERNATE: N A		STANDARD						
CATEGORY =====>		A		B		C		D		E						
		DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
AUTHORIZATION REQUIRED																
RNP 0.11 DA		754	3300	350	754	3300	350	754	3300	350	754	3300	350			
RNP 0.30 DA		832	4800	428	832	4800	428	832	4800	428	832	4800	428			
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -14C (7F) OR ABOVE 54C (130F). CHART NOTE: RF REQUIRED. CHART NOTE: GPS REQUIRED. CHART PLANVIEW NOTE AT ODKUE : MAX 180 KIAS. (SEE FORM 8260-10)																
CITY AND STATE		ELEVATION: 410 TDZE: 404				FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:				
PASCO, WA		AIRPORT NAME:						RNAV (RNP) Z RWY 21R, AMDT 1, 11/13/2014				AMDT: ORIG-B				
		TRI-CITIES										DATED 07/24/2014				

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

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TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
ZUDAV	CUGLU (RF) (FB) (RNP 0.50)	(2.40 NM RADIUS CCW (CFFPL))/3.22	2300
CITYS (IAF)	HONAG (TF) (FB) (RNP 1.00)	295.94 / 7.53	2500
HONAG (IF)	CUGLU (TF) (FB) (RNP 1.00)	295.84 / 2.50	2300
CUGLU	HOSEG (RF) (FB) (RNP 0.50)	(2.40 NM RADIUS CCW (CFFPL))/3.56	1500
WATSY (IAF)	RYENS (TF) (FB) (RNP 1.00)	188.04 / 12.00	2900
RYENS (IF)	GADNE (TF) (FB) (RNP 1.00)	210.91 / 5.37	2500
GADNE	HOSEG (TF) (FB) (RNP 0.50)	210.84 / 5.00	1500
NIALS (IAF)	ZONOP (TF) (FB) (RNP 1.00)	111.18 / 16.01	2600
ZONOP (IF)	WAPMU (TF) (FB) (RNP 1.00)	111.06 / 6.01	2400
WAPMU	HOSEG (RF) (FB) (RNP 0.50)	(2.39 NM RADIUS CW (CFFNR))/4.16	1500
HOSEG (FAF)	RW21R (MAP) (TF) (FO)	210.78 / 3.28	
RW21R (MAP)	KARTE (TF) (FB) (RNP 1.00)	210.74 / 5.76	
KARTE	DAMSE (RF) (FB) (RNP 1.00)	(5.30 NM RADIUS CW (CFFNP))/ 11.21	
DAMSE	PAIDS (TF) (FO) (RNP 1.00)	331.78 / 6.33	5200

NOTES, (CONT.):

CHART PLANVIEW NOTE AT ODKUE : MAX 180 KIAS.

CHART PLANVIEW NOTE AT ZUDAV : MAX 180 KIAS.

CHART PLANVIEW NOTE AT CUGLU : MAX 180 KIAS.

CHART PLANVIEW NOTE AT WAPMU : MAX 180 KIAS.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT AMPLE ON V4 WESTBOUND AND V520 SOUTHWEST BOUND.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT GINLE ON V298 SOUTHEAST BOUND.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT CITYS ON V520 EASTBOUND.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT WATSY ON V204 NORTHBOUND AND V357 NORTHWEST BOUND.

CITY AND STATE

PASCO, WA

ELEVATION: 410

TDZE: 404

AIRPORT NAME:

TRI-CITIES

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:

RNAV (RNP) Z RWY 21R, AMDT 1, 11/13/2014

SUP:

AMDT: ORIG-B

DATED: 07/24/2014

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

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CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT NIALS ON V187 NORTHWEST BOUND.
CHART PLANVIEW NOTE AT AMPLE: (RNP 0.50).
CHART PLANVIEW NOTE AT GINLE: (RNP 0.50).
CHART PLANVIEW NOTE AT CITYS: (RNP 0.50).
CHART PLANVIEW NOTE AT WATSY: (RNP 0.50).
CHART PLANVIEW NOTE AT NIALS: (RNP 0.50).
CHART PROFILE NOTE: SEE PLANVIEW FOR MULTIPLE IF LOCATIONS.
CHART NOTE: FOR INOPERATIVE MALSR, INCREASE RNP 0.11 ALL CATS VISIBILITY TO RVR 5700 AND RNP 0.30
ALL CATS VISIBILITY TO 1 3/8 MILE.

CITY AND STATE
PASCO, WA

ELEVATION: 410 TDZE: 404
AIRPORT NAME:
TRI-CITIES

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:
RNAV (RNP) Z RWY 21R, AMDT 1, 11/13/2014

SUP:
AMDT: ORIG-B
DATED: 07/24/2014

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

QUALITY
12

CITY AND STATE PASCO, WA	ELEVATION: 410	TDZE: 404	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (RNP) Z RWY 21R, AMDT 1, 11/13/2014	SUP: CHECKED
	AIRPORT NAME: TRI-CITIES				AMDT: ORIG-B
					DATED: 07/24/2014

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (RNP) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.33

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SUSAP	KPSCK1FH21RZ	AAMPLE	060HOSEGK1PCOE	L051RF		0024002958	21080036	+	01500			CFFPL K1PCA FS
SUSAP	KPSCK1FH21RZ	ACITYS	010CITYSK1EAOE	A IF						18000		A FS
SUSAP	KPSCK1FH21RZ	ACITYS	020HONAGK1PCOE	B 010TF				+	02500			A FS
SUSAP	KPSCK1FH21RZ	ACITYS	030CUGLUK1PCOE	010TF				+	02300	180		A-FS
SUSAP	KPSCK1FH21RZ	ACITYS	040HOSEGK1PCOE	L051RF		0024002958	21080036	+	01500			CFFPL K1PCA FS
SUSAP	KPSCK1FH21RZ	AGINLE	010GINLEK1EAOE	A IF						18000		A FS
SUSAP	KPSCK1FH21RZ	AGINLE	020MOJUYK1PCOE	B 010TF				+	03200			A FS
SUSAP	KPSCK1FH21RZ	AGINLE	030ZUDAVK1PCOE	010TF				+	02600	180		A-FS
SUSAP	KPSCK1FH21RZ	AGINLE	040CUGLUK1PCOE	L051RF		0024000128	29580032	+	02300	180		CFFPL K1PCA-FS
SUSAP	KPSCK1FH21RZ	AGINLE	050HOSEGK1PCOE	L051RF		0024002958	21080036	+	01500			CFFPL K1PCA FS
SUSAP	KPSCK1FH21RZ	ANIALS	010NIALSK1EAOE	A IF						18000		A FS
SUSAP	KPSCK1FH21RZ	ANIALS	020ZONOPK1PCOE	B 010TF				+	02600			A FS
SUSAP	KPSCK1FH21RZ	ANIALS	030WAPMUK1PCOE	010TF				+	02400	180		A-FS
SUSAP	KPSCK1FH21RZ	ANIALS	040HOSEGK1PCOE	R051RF		0023901111	21080042	+	01500			CFFNR K1PCA FS
SUSAP	KPSCK1FH21RZ	AWATSY	010WATSYK1EAOE	A IF						18000		A FS
SUSAP	KPSCK1FH21RZ	AWATSY	020RYENSK1PCOE	B 010TF				+	02900			A FS
SUSAP	KPSCK1FH21RZ	AWATSY	030GADNEK1PCOE	010TF				+	02500			A FS
SUSAP	KPSCK1FH21RZ	AWATSY	040HOSEGK1PCOE	051TF				+	01500			A FS
SUSAP	KPSCK1FH21RZ	H	020HOSEGK1PC1E	F IF				+	01500	18000		RW21RBK1PGA FS
SUSAP	KPSCK1FH21RZ	H	020HOSEGK1PC2W						A031A112			FS
SUSAP	KPSCK1FH21RZ	H	030RW21RK1PGOGY	M 031TF					00456	-300		A FS
SUSAP	KPSCK1FH21RZ	H	040KARTEK1PCOE	M 010TF								A FS
SUSAP	KPSCK1FH21RZ	H	050DAMSEK1PCOE	R010RF		0053002107	33180112					CFFNP K1PCA FS
SUSAP	KPSCK1FH21RZ	H	060PAIDSK1EAOEY	010TF				+	05200			A FS
SUSAP	KPSCK1FH21RZ	H	070PAIDSK1EAOEE	R HM			09400050	+	05200			A FS

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QUALITY
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CITY AND STATE PASCO, WA	ELEVATION: 410	TDZE: 404	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP: CHECKED
	AIRPORT NAME:			RNAV (RNP) Z RWY 21R, AMDT 1, 11/13/2014	AMDT: ORIG-B
	TRI-CITIES	RNAV			DATED: 07/24/2014

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (RNP) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.33

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ARINC SUMMARY - 424-18 - RNAV (RNP)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	AMPLE	AMPLE	010	IAF	IF		FB					
	AMPLE	KADDE	020		TF		FB	1.0			AA 03400	
	AMPLE	ODKUE	030		TF		FB	1.0			AA 03200	AB 180
	AMPLE	ZUDAV	040		RF	L	FB	0.5		001.9	AA 02600	AB 180
	AMPLE	CUGLU	050		RF	L	FB	0.5		003.2	AA 02300	AB 180
	AMPLE	HOSEG	060		RF	L	FB	0.5		003.6	AA 01500	
	CITYS	CITYS	010	IAF	IF		FB					
	CITYS	HONAG	020		TF		FB	1.0			AA 02500	
	CITYS	CUGLU	030		TF		FB	1.0			AA 02300	AB 180
	CITYS	HOSEG	040		RF	L	FB	0.5		003.6	AA 01500	
	GINLE	GINLE	010	IAF	IF		FB					
	GINLE	MOJUY	020		TF		FB	1.0			AA 03200	
	GINLE	ZUDAV	030		TF		FB	1.0			AA 02600	AB 180
	GINLE	CUGLU	040		RF	L	FB	0.5		003.2	AA 02300	AB 180
	GINLE	HOSEG	050		RF	L	FB	0.5		003.6	AA 01500	
	NIALS	NIALS	010	IAF	IF		FB					
	NIALS	ZONOP	020		TF		FB	1.0			AA 02600	
	NIALS	WAPMU	030		TF		FB	1.0			AA 02400	AB 180
	NIALS	HOSEG	040		RF	R	FB	0.5		004.2	AA 01500	
	WATSY	WATSY	010	IAF	IF		FB					
	WATSY	RYENS	020		TF		FB	1.0			AA 02900	
	WATSY	GADNE	030		TF		FB	1.0			AA 02500	
	WATSY	HOSEG	040		TF		FB	0.5			AA 01500	
		HOSEG	020	FAF	IF		FB				AA 01500	
		RW21R	030	MAP	TF		FO	0.3			AT 00456	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	KARTE	040		TF		FB	1.0				
	DAMSE	050		RF	R	FB	1.0		011.2		
	PAIDS	060		TF		FO	1.0			AA 05200	
	PAIDS	070		HM	R	FO		094.0 (109.0T)	005.0	AA 05200	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	AMPLE	N460720.29	W1193938.04	N4607.338	W11939.634
	CITYS	N461159.67	W1184748.53	N4611.995	W11847.809
	GINLE	N460126.43	W1190225.31	N4601.441	W11902.422
	NIALS	N463507.32	W1192929.09	N4635.122	W11929.485
	PAIDS	N462053.31	W1192735.92	N4620.889	W11927.599
	WATSY	N463643.35	W1184552.88	N4636.723	W11845.881
	CFFNM	N461655.18	W1190128.63	N4616.920	W11901.477

QUALITY
12

CITY AND STATE PASCO, WA	ELEVATION: 410	TDZE: 404	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME:			RNAV (RNP) Z RWY 21R, AMDT 1, 11/13/2014	CHECKED
	TRI-CITIES	RNAV			AMDT: ORIG-B
					DATED: 07/24/2014

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (RNP) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.33

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CFFNP	N461556.14	W1191804.68	N4615.936	W11918.078
CFFNR	N462010.55	W1190549.53	N4620.176	W11905.826
CFFPL	N461644.45	W1190100.12	N4616.741	W11901.002
CUGLU	N461833.42	W1185844.46	N4618.557	W11858.741
DAMSE	N461443.73	W1192530.53	N4614.729	W11925.509
GADNE	N462156.60	W1185814.52	N4621.943	W11858.242
HONAG	N461655.40	W1185600.76	N4616.923	W11856.013
HOSEG	N461827.63	W1190324.89	N4618.461	W11903.415
KADDE	N460938.22	W1191626.61	N4609.637	W11916.444
KARTE	N461209.05	W1191244.64	N4612.151	W11912.744
MOJUY	N461112.31	W1190118.35	N4611.205	W11901.306
ODKUE	N461421.42	W1185957.62	N4614.357	W11859.960
RYENS	N462541.05	W1185240.04	N4625.684	W11852.667
WAPMU	N462206.57	W1190347.21	N4622.110	W11903.787
ZONOP	N462538.81	W1191047.91	N4625.647	W11910.799
ZUDAV	N461537.62	W1185756.65	N4615.627	W11857.944
RW21R	N461610.44	W1190648.10	N4616.174	W11906.802

RUNWAY DATA

RWY	THRESHOLD ELEVATION	TCH
RW21R	00402	55

QUALITY
12

CITY AND STATE PASCO, WA	ELEVATION: 410	TDZE: 404	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (RNP) Z RWY 21R, AMDT 1, 11/13/2014	SUP: CHECKED
	AIRPORT NAME: TRI-CITIES				AMDT: ORIG-B
					DATED: 07/24/2014

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION				RNAV (RNP) - STANDARD, INSTRUMENT APPROACH PROCEDURE, TITLE 14 CFR PART 97.33				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.									
TERMINAL ROUTES										MISSED APPROACH							
FROM		TO		COURSE AND DISTANCE				ALTITUDE		RNP: DA							
WATSY (IAF)		RYENS (TF) (FB) (RNP 1.00)		188.04 / 12.00				4000		CLIMB TO 5200 ON TRACK 300.75 TO WEDAV, LEFT TURN TO YOCUY, AND ON TRACK 254.02 TO PAIDS AND HOLD.							
PAIDS (IAF)		WISBI (TF) (FB) (RNP 1.00)		115.28 / 15.96				4000									
AMPLE (IAF)		KADDE (TF) (FB) (RNP 1.00)		066.74 / 16.29				4000									
CITYS (IAF)		XELOW (TF) (FB) (RNP 0.50)		236.93 / 7.58				3000									
OLODE (IAF)		XELOW (TF) (FB) (RNP 0.50)		347.62 / 17.98				3000									
(SEE FORM 8260-10)										ADDITIONAL FLIGHT DATA: HOLD W, RT, 094.00 INBOUND. CHART FAS OBST: 523 TOWER 461457N/1190533W DISTANCE TO THLD FROM 373 HAT: 1.00 NM. # TCH 456.0 (DO NOT CHART) ROUTE TYPE QUALIFIER 1: F ROUTE TYPE QUALIFIER 2: S ROUTE TYPE: A, H							
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)										MAG VAR: 15E EPOCH YEAR: 2015							
2. PROFILE STARTS AT JIGPI																	
3. FAC: 300.81 FAF: _____ DIST FAF TO MAP: _____ THLD: _____																	
4. MIN. ALT: JIGPI 1900																	
5. DIST TO THLD FROM OM: 4.53 MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____																	
6. MIN GS INCPT: 1900 GS ALT AT: JIGPI 1900 OM: _____ MM: _____ IM: _____																	
7. GS ANGLE: 3.00 TCH: #54.0 34:1 IS CLEAR																	
8. MSA FROM: RW30 4900																	
MINIMUMS																	
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT								ALTERNATE: N A		STANDARD							
CATEGORY =====>		A		B		C		D		E							
		DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	
AUTHORIZATION REQUIRED																	
RNP 0.11 DA		778	1 1/8	373	778	1 1/8	373	778	1 1/8	373	778	1 1/8	373				
RNP 0.30 DA		834	1 1/4	429	834	1 1/4	429	834	1 1/4	429	834	1 1/4	429				
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -14C (7F) OR ABOVE 54C (130F). CHART NOTE: RF REQUIRED. CHART NOTE: GPS REQUIRED. CHART PLANVIEW NOTE AT IZCED: MAX 180 KIAS. (SEE FORM 8260-10)																	
CITY AND STATE		ELEVATION: 410 TDZE: 405		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (RNP) Z RWY 30, AMDT 1, 11/13/2014						SUP:					
PASCO, WA		AIRPORT NAME:		TRI-CITIES								AMDT: ORIG-B					
												DATED 07/24/2014					

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION RNAV (RNP) - STANDARD, INSTRUMENT APPROACH PROCEDURE, - TITLE 14 CFR PART 97.33				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.
TERMINAL ROUTES, (CONT.):				
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
KADDE (IF)	IZCED (TF) (FB) (RNP 0.50)	086.15 / 7.99	3000	
WISBI (IF)	JUDIV (TF) (FB) (RNP 0.50)	115.05 / 3.00	3000	
JUDIV	IZCED (RF) (FB) (RNP 0.50)	(2.50 NM RADIUS CCW (CFFPK))/1.26	2600	
IZCED	HUKUP (RF) (FB) (RNP 0.50)	(2.50 NM RADIUS CCW (CFFPK))/2.55	2600	
HUKUP	JIGPI (RF) (FB) (RNP 0.50)	(2.50 NM RADIUS CCW (CFFPK))/3.80	1900	
RYENS (IF)	HIYGE (TF) (FB) (RNP 0.50)	175.03 / 12.29	3000	
HIYGE	JIGPI (RF) (FB) (RNP 0.50)	(2.50 NM RADIUS CW (CFFNT))/5.49	1900	
XELow (IF)	JIGPI (TF) (FB) (RNP 0.50)	300.81 / 3.69	1900	
JIGPI (FAF)	RW30 (MAP) (TF) (FO)	300.81 / 4.53		
RW30 (MAP)	WEDAV (TF) (FB) (RNP 1.00)	300.75 / 5.78		
WEDAV	YOCUY (RF) (FB) (RNP 1.00)	(4.51 NM RADIUS CCW (CFFNV))/3.67		
YOCUY	PAIDS (TF) (FO) (RNP 1.00)	254.02 / 7.33	5200	
NOTES, (CONT.): CHART PLANVIEW NOTE AT JUDIV : MAX 180 KIAS. CHART PLANVIEW NOTE AT HIYGE : MAX 180 KIAS. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT WATSY ON V357 NORTHWEST BOUND, AND 204 NORTHBOUND. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT PAIDS ON V204 EASTBOUND. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT AMPLE ON V4 WESTBOUND, AND V520 SOUTHWEST BOUND. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT CITYS ON V520 EASTBOUND. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT OLODE ON V298 SOUTHEAST BOUND. CHART PLANVIEW NOTE AT WATSY: (RNP 0.50). CHART PLANVIEW NOTE AT PAIDS: (RNP 0.50).				
CITY AND STATE PASCO, WA	ELEVATION: 410 TDZE: 405 AIRPORT NAME: TRI-CITIES	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (RNP) Z RWY 30, AMDT 1, 11/13/2014	SUP: AMDT: ORIG-B DATED: 07/24/2014

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

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CHART PLANVIEW NOTE AT AMPLE: (RNP 0.50).
CHART PLANVIEW NOTE AT CITYS: (RNP 0.50).
CHART PLANVIEW NOTE AT OLODE: (RNP 0.50).
CHART PROFILE NOTE: SEE PLANVIEW FOR MULTIPLE IF LOCATIONS.
CHART NOTE: FOR INOPERATIVE ODALS, INCREASE RNP 0.11 VISIBILITY ALL CATS TO 1 1/4 MILE, AND
INCREASE RNP 0.30 VISIBILITY ALL CATS TO 1 3/8 MILE.

CITY AND STATE PASCO, WA	ELEVATION: 410 AIRPORT NAME: TRI-CITIES	TDZE: 405	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (RNP) Z RWY 30, AMDT 1, 11/13/2014	SUP:
					AMDT: ORIG-B
					DATED: 07/24/2014

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[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KPSCK1FH30-Z AAMPLE 010AMPLEK1EA0E A IF										18000		A FS	
SUSAP KPSCK1FH30-Z AAMPLE 020KADDEK1PC0E B 010TF								+ 04000				A FS	
SUSAP KPSCK1FH30-Z AAMPLE 030IZCEDK1PC0E 051TF								+ 03000		180		A FS	
SUSAP KPSCK1FH30-Z AAMPLE 040HUKUPK1PC0E L051RF						0025000862	02780026	+ 02600			CFFPK K1PCA	FS	
SUSAP KPSCK1FH30-Z AAMPLE 050JIGPIK1PC0EE L051RF						0025000278	30080038	+ 01900			CFFPK K1PCA	FS	
SUSAP KPSCK1FH30-Z ACITYS 010CITYSK1EA0E A IF										18000		A FS	
SUSAP KPSCK1FH30-Z ACITYS 020XELOWK1PC0E B 051TF								+ 03000				A FS	
SUSAP KPSCK1FH30-Z ACITYS 030JIGPIK1PC0EE 051TF								+ 01900				A FS	
SUSAP KPSCK1FH30-Z AOLODE 010LODEK1EA0E A IF										18000		A FS	

QUALITY
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CITY AND STATE PASCO, WA	ELEVATION: 410 AIRPORT NAME: TRI-CITIES	TDZE: 405 RNAV	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (RNP) Z RWY 30, AMDT 1 11/13/2014	SUP: CHECKED
					AMDT: ORIG-B
					DATED: 07/24/2014

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (RNP) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.33

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SUSAP	KPSCK1FH30-Z	AOLODE	020XELOWK1PCOE	B	051TF		+ 03000		A FS
SUSAP	KPSCK1FH30-Z	AOLODE	030JIGPIK1PCOEE		051TF		+ 01900		A FS
SUSAP	KPSCK1FH30-Z	APAIDS	010PAIDSKIEAOE	A	IF			18000	A FS
SUSAP	KPSCK1FH30-Z	APAIDS	020WISBIK1PCOE	B	010TF		+ 04000		A FS
SUSAP	KPSCK1FH30-Z	APAIDS	030JUDIVK1PCOE		051TF		+ 03000	180	A-FS
SUSAP	KPSCK1FH30-Z	APAIDS	040IZCEBK1PCOE	L051RF		0025001151	+ 02600	180	CFFPK K1PCA-FS
SUSAP	KPSCK1FH30-Z	APAIDS	050HUKUPK1PCOE	L051RF		0025000862	+ 02600		CFFPK K1PCA FS
SUSAP	KPSCK1FH30-Z	APAIDS	060JIGPIK1PCOEE	L051RF		0025000278	+ 01900		CFFPK K1PCA FS
SUSAP	KPSCK1FH30-Z	AWATSY	010WATSYKLEAOE	A	IF			18000	A FS
SUSAP	KPSCK1FH30-Z	AWATSY	020RYENSK1PCOE	B	010TF		+ 04000		A FS
SUSAP	KPSCK1FH30-Z	AWATSY	030HIYGEK1PCOE		051TF		+ 03000	180	A-FS
SUSAP	KPSCK1FH30-Z	AWATSY	040JIGPIK1PCOEE	R051RF		0025001750	+ 01900		CFFNT K1PCA FS
SUSAP	KPSCK1FH30-Z	H	020JIGPIK1PC1E	F	IF		+ 01900	18000	RW30 BK1PGA FS
SUSAP	KPSCK1FH30-Z	H	020JIGPIK1PC2W					A031A112	FS
SUSAP	KPSCK1FH30-Z	H	030RW30 K1PGOGY	M	031TF		00456	-300	A FS
SUSAP	KPSCK1FH30-Z	H	040WEDAVK1PCOE	M	010TF				A FS
SUSAP	KPSCK1FH30-Z	H	050YOUCUYK1PCOE	L010RF		0045103008			CFFNV K1PCA FS
SUSAP	KPSCK1FH30-Z	H	060PAIDSKIEAOEY		010TF		+ 05200		A FS
SUSAP	KPSCK1FH30-Z	H	070PAIDSKIEAOEE	R	HM		+ 05200		A FS

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QUALITY
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CITY AND STATE PASCO, WA	ELEVATION: 410 AIRPORT NAME: TRI-CITIES	TDZE: 405 RNAV	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (RNP) Z RWY 30, AMDT 1 11/13/2014	SUP: CHECKED
					AMDT: ORIG-B
					DATED: 07/24/2014

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (RNP) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.33

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ARINC SUMMARY - 424-18 - RNAV (RNP)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	AMPLE	AMPLE	010	IAF	IF		FB					
	AMPLE	KADDE	020		TF		FB	1.0			AA 04000	
	AMPLE	IZCED	030		TF		FB	0.5			AA 03000	AB 180
	AMPLE	HUKUP	040		RF	L	FB	0.5		002.6	AA 02600	
	AMPLE	JIGPI	050		RF	L	FB	0.5		003.8	AA 01900	
	CITYS	CITYS	010	IAF	IF		FB					
	CITYS	XELow	020		TF		FB	0.5			AA 03000	
	CITYS	JIGPI	030		TF		FB	0.5			AA 01900	
	OLODE	OLODE	010	IAF	IF		FB					
	OLODE	XELow	020		TF		FB	0.5			AA 03000	
	OLODE	JIGPI	030		TF		FB	0.5			AA 01900	
	PAIDS	PAIDS	010	IAF	IF		FB					
	PAIDS	WISBI	020		TF		FB	1.0			AA 04000	
	PAIDS	JUDIV	030		TF		FB	0.5			AA 03000	AB 180
	PAIDS	IZCED	040		RF	L	FB	0.5		001.3	AA 02600	AB 180
	PAIDS	HUKUP	050		RF	L	FB	0.5		002.6	AA 02600	
	PAIDS	JIGPI	060		RF	L	FB	0.5		003.8	AA 01900	
	WATSY	WATSY	010	IAF	IF		FB					
	WATSY	RYENS	020		TF		FB	1.0			AA 04000	
	WATSY	HIYGE	030		TF		FB	0.5			AA 03000	AB 180
	WATSY	JIGPI	040		RF	R	FB	0.5		005.5	AA 01900	
	JIGPI	020		FAF	IF		FB				AA 01900	
	RW30	030		MAP	TF		FO	0.3			AT 00456	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	WEDAV	040		TF		FB	1.0				
	YOCUY	050		RF	L	FB	1.0		003.7		
	PAIDS	060		TF		FO	1.0			AA 05200	
	PAIDS	070		HM	R	FO		094.0 (109.0T)	005.0	AA 05200	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	AMPLE	N460720.29	W1193938.04	N4607.338	W11939.634
	CITYS	N461159.67	W1184748.53	N4611.995	W11847.809
	OLODE	N455140.42	W1185921.79	N4551.674	W11859.363
	PAIDS	N462053.31	W1192735.92	N4620.889	W11927.599
	WATSY	N463643.35	W1184552.88	N4636.723	W11845.881
	CFEFT	N461401.00	W1185917.93	N4614.017	W11859.299
	CFEFT	N461631.50	W1191654.38	N4616.525	W11916.906
	CFEFT	N461031.97	W1190427.67	N4610.533	W11904.461
	HIYGE	N461335.02	W1185545.13	N4613.584	W11855.752

QUALITY
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CITY AND STATE PASCO, WA	ELEVATION: 410	TDZE: 405	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP: CHECKED
	AIRPORT NAME:	TRI-CITIES	RNAV	RNAV (RNP) Z RWY 30, AMDT 1 11/13/2014	AMDT: ORIG-B
					DATED: 07/24/2014

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (RNP) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.33

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HUKUP	N460850.03	W1190149.37	N4608.834	W11901.823
IZCED	N460804.91	W1190509.88	N4608.082	W11905.165
JIGPI	N461216.52	W1190152.87	N4612.275	W11901.881
JUDIV	N460837.27	W1190646.66	N4608.621	W11906.778
KADDE	N460938.22	W1191626.61	N4609.637	W11916.444
RYENS	N462541.05	W1185240.04	N4625.684	W11852.667
WEDAV	N461940.10	W1191215.96	N4619.668	W11912.266
WISBI	N461033.10	W1191004.84	N4610.552	W11910.081
XELow	N460938.06	W1185810.89	N4609.634	W11858.182
YOCUY	N462101.29	W1191701.01	N4621.022	W11917.017
RW30	N461531.46	W1190626.16	N4615.524	W11906.436

RUNWAY DATA

	THRESHOLD	
RWY	ELEVATION	TCH
RW30	00402	54

QUALITY
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CITY AND STATE
PASCO, WA

ELEVATION: **410** TDZE: **405**
 AIRPORT NAME: **TRI-CITIES**

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
RNAV (RNP) Z RWY 30, AMDT 1 11/13/2014

SUP: **CHECKED**
 AMDT: **ORIG-B**
 DATED: **07/24/2014**

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

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City, State	Airport	Effective Date	Amdt. No.
PASCO, WA	TRI-CITIES	13 NOVEMBER 2014	8

TAKEOFF MINIMUMS:

RWY 12, 30, 03L, 03R, 21L, 21R STANDARD.

TEXTUAL DEPARTURE PROCEDURES:

RWY 30 – CLIMB HEADING 300.76 TO 1400, THENCE...
RWY 12 – CLIMB HEADING 120.74 TO 1500, THENCE...
RWY 03L, 03R – CLIMB HEADING 030.72 TO 1500, THENCE...
RWY 21R – CLIMB HEADING 210.74 TO 1700, THENCE...
RWY 21L – CLIMB HEADING 210.73 TO 1700, THENCE...

...RWY 12 TURN LEFT, ALL OTHERS TURN RIGHT. THEN CLIMB DIRECT PSC VOR/DME, CLIMB IN PSC VOR/DME HOLDING PATTERN (HOLD E, RIGHT TURNS, 272.44 INBOUND) TO MEA/MCA FOR ROUTE OF FLIGHT BEFORE PROCEEDING ON COURSE.

VISUAL CLIMB OVER AIRPORT:

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 03L, BUSH 94 FT FROM DER, 479 FT LEFT OF CENTERLINE, UP TO 5 FT AGL/405 FT MSL. TRAINS BEGINNING 1680 FT FROM DER, CROSSING CENTERLINE, UP TO 23 FT AGL/ 447 FT MSL. TOWER 2447 FT FROM DER, 910 FT RIGHT OF CENTERLINE, UP TO 56 FT AGL/ 479 FT MSL. ELECTRICAL SYSTEM 2466 FT FROM DER, 94 FT RIGHT OF CENTERLINE, UP TO 45 FT AGL/ 464 FT MSL. TOWER 2501 FT FROM DER, 1076 FT RIGHT OF CENTERLINE, UP TO 64 FT AGL/ 480 FT MSL.

NOTE: RWY 03R, TERRAIN 172 FT FROM DER, 229 FT RIGHT OF CENTERLINE, UP TO 408 FT MSL. BUSHES BEGINNING 255 FT FROM DER, 204 FT RIGHT OF CENTERLINE, UP TO 5 FT AGL/413 FT MSL. FENCE BEGINNING 851 FT FROM DER, CROSSING CENTERLINE, UP TO 8 FT AGL/ 427 FT MSL. BUSHES 970 FT FROM DER, 48 FT RIGHT OF CENTERLINE, 5 FT AGL/ 430 FT MSL. TOWERS 1431 FT FROM DER, 603 FT RIGHT OF CENTERLINE, UP TO 50 FT AGL/ 473 FT MSL. ROD ON TWR 1512 FT FROM DER, 883 FT RIGHT OF CENTERLINE, UP TO 109 FT AGL/ 528 FT MSL. ROD ON TWR 2271 FT FROM DER, 845 FT RIGHT OF CENTERLINE, UP TO 107 FT AGL/ 526 FT MSL. TOWER 2460 FT FROM DER, 111 FT RIGHT OF CENTERLINE, UP TO 56 FT AGL/ 479 FT MSL. TOWER 2514 FT FROM DER, 277 FT RIGHT OF CENTERLINE, UP TO 64 FT AGL/ 480 FT MSL. TREES 2580 FT FROM DER, 871 FT RIGHT OF CENTERLINE, UP TO 75 FT AGL/ 504 FT MSL.

NOTE: RWY 12, VEHICLES ON ROAD BEGINNING 407 FT FROM DER, CROSSING CENTERLINE, UP TO 15 FT AGL/ 424 FT MSL. TREES 657 FT FROM DER, 618 FT RIGHT OF CENTERLINE, UP TO 75 FT AGL/ 454 FT MSL. POLE 947 FT FROM DER, 635 FT LEFT OF CENTERLINE, 25 FT AGL/ 434 FT MSL. POLE 1092 FT FROM DER, 588 FT LEFT OF CENTERLINE, 25 FT AGL/ 442 FT MSL. TREES BEGINNING 1195 FT FROM DER, 602 FT RIGHT OF CENTERLINE, UP TO 61 FT AGL/ 461 FT MSL. TREES BEGINNING 2989 FT FROM DER, 620 FT LEFT OF CENTERLINE, UP TO 75 FT AGL/ 484 FT MSL.

NOTE: RWY 30, TERRAIN 3750 FT FROM DER, 887 FT LEFT OF CENTERLINE, UP TO 496 FT MSL.

NOTE: RWY 21R, TREES BEGINNING 918 FT FROM DER, 468 FT RIGHT OF CENTERLINE, UP TO 75 FT AGL/ 484 FT MSL.

NOTE: RWY 21L, AIRCRAFT 15 FT FROM DER, 458 FT LEFT OF CENTERLINE TO 689 FT RIGHT OF CENTERLINE, UP TO 45 FT AGL/ 454 FT MSL.

CONTROLLING OBSTACLES:

RWY 21R/21L: 1779 FT MSL AAO 461403.58N-1191916.69W.

OBSTACLE MANDATING ODP ROUTE DEVELOPMENT: RWY 30 – 3711 FT AAO 462330.00N/1193518.00W. ALL OTHER RWYS – 2477 FT MSL TOWER 460558.00N/1190744.20W.

REMARKS:

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.
PASCO, WA	TRI-CITIES	13 NOVEMBER 2014	8

FLIGHT INSPECTED BY:

PENDING

REQUIRED EFFECTIVE DATE:

11/13/2014

DEVELOPED BY:

DANIEL D. OLSON

AJV-354

04/21/2014

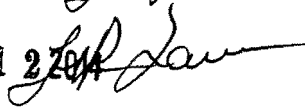


APPROVED BY:

LARRY H. STROUT

AJV-354

AUG 1 2 2014



COORDINATED WITH:

ATA, ALPA, APA, AOPA, NBAA, ZSE, PSC ATCT, CHINOOK APP CON, AMGR

CHANGES:

1. CHANGED ALL INITIAL HEADINGS BY 1 DEGREE.
2. OPD GOES TO NEW PCS VOR/DME.
3. CHANGED RWY 12 CLIMB TO ALTITUDE FROM 1400 TO 1500.
4. CHANGED RWY 3R/3L CLIMB TO ALTITUDE FROM 1400 TO 1500.
5. CHANGED RWY 30 CLIMB TO ALTITUDE FROM 1200 TO 1400.
6. ADDED CIH AT PSC VOR/DME.

REASONS:

1. AIRPORT MAG VAR CHANGE FROM 16E TO 15E.
2. USING NEW PSC VOR/DME.
- 3, 4, 5. TO ENSURE ACFT REACH MIN HOLDING ALT OF 2400 AT PSC VOR/DME.
6. TO ALLOW ACFT TO CLIMB TO APPROPRIATE MEA.

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION VOR/DME STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.23								Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.								
TERMINAL ROUTES										MISSED APPROACH						
FROM		TO		COURSE AND DISTANCE				ALTITUDE		MAP: PSC VOR/DME						
PSC VOR/DME		RASPY/PSC 6.00 DME		036.83 / 6.00				3200		CLIMBING LEFT TURN TO 3200 ON HEADING 080 AND ON PSC VOR/DME R-092 TO CITYS INT/PSC 14.00 DME AND HOLD.						
GUSSE/PSC 14.00 DME CW (IAF)		DMAGY/PSC 14.00 DME (NOPT)		14.00 DME ARC				3200								
EXODE/PSC 14.00 DME CW (IAF)		DMAGY/PSC 14.00 DME (NOPT)		14.00 DME ARC				3200								
CITYS INT/PSC 14.00 DME CCW (IAF)		DMAGY/PSC 14.00 DME (NOPT)		14.00 DME ARC				3200								
DMAGY/PSC 14.00 DME (IF)		RASPY/PSC 6.00 DME		216.83 / 8.00 (PSC R-037)				2300		ADDITIONAL FLIGHT DATA: HOLD E, RT, 272.44 INBOUND. CHART FAS OBST: 635 TWR 461730N/1190413W AAO 922 462027N/1190130W CHART VDP AT 1.49 DME DISTANCE VDP TO THLD 1.39 MILES. CHART PSC BRG-273 AT GUSSE. CHART PSC BRG-306 AT EXODE. CHART PSC BRG-092 AT CITYS. CHART CIRCLING ICON RASPY TO RW21R: 2.95/54 FAC CROSSES RWY C/L EXTENDED 7749 FROM THLD.						
1. PT <u> L </u> SIDE OF COURSE <u> 036.83 </u> OUTBOUND <u> 3200 </u> FT WITHIN <u> 10 </u> MILES OF <u> RASPY </u> (IAF)																
2. _____																
3. FAC <u> 216.83 </u> FAF RASPY/PSC 6.00 DME DIST FAF TO MAP _____ THLD <u> 5.90 </u>																
4. MIN. ALT <u> RASPY 2300, FAMES/PSC 3.00 DME 1360 </u>										MAG VAR: 15E EPOCH YEAR:2015						
8. MSA FROM: PSC VOR/DME 100-190 3500, 190-300 4800, 300-100 2900																
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-21R	900	2400	496	900	2400	496	900	5000	496	900	5000	496				
CIRCLING	900	1	490	940	1	530	1040	1 3/4	630	1100	2 1/4	690				
NOTES: CHART NOTE: VDP NA WITH HERMISTON ALTIMETER SETTING. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE HERMISTON ALTIMETER SETTING AND INCREASE ALL MDA 100 FEET AND INCREASE S-21R CAT C AND D AND CIRCLING CAT C/D VISIBILITY 1/4 MILE. CHART NOTE: FOR INOPERATIVE MALSR, INCREASE S-21R CAT C/D VISIBILITY TO 1 3/8 MILE.																
CITY AND STATE PASCO, WA		ELEVATION: 410 TDZE: 404 AIRPORT NAME: TRI-CITIES		FACILITY IDENTIFIER: PSC		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: VOR/DME RWY 21R, AMDT 7, 11/13/2014						SUP				
												AMDT 6				
												DATE 11/18/2010				

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION VOR/DME STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.23								Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.									
TERMINAL ROUTES										MISSED APPROACH							
FROM		TO		COURSE AND DISTANCE				ALTITUDE		MAP: JIKSU/PSC 0.80 DME							
ALW VOR/DME (IAF)		USENY/PSC 14.00 DME		250.29 / 25.73				3300		CLIMBING RIGHT TURN TO 3200 ON HEADING 105 AND PSC R-092 TO CITYS/PSC 14.00 DME AND HOLD. ADDITIONAL FLIGHT DATA: HOLD E, RT, 272.44 INBOUND. CHART FAS OBST: 554 TWR 461518N/1190440W CHART VDP AT 1.93 DME DISTANCE VDP TO THLD 1.14 MILES. CHART PSC R-065 AT OYREX. CHART PSC R-148 AT GAWWY. MOJUY TO RW30: 2.93/54. CHART CIRCLING ICON. FAC CROSSES RWY C/L EXTENDED 6243 FROM THLD.							
OYREX/PSC 14.00 DME CW (IAF)		USENY/PSC 14.00 DME		14.00 DME ARC				3300									
GAWWY/PSC 14.00 DME CCW (IAF)		USENY/PSC 14.00 DME		14.00 DME ARC				3300									
USENY/PSC 14.00 DME (IF)		WARNU/PSC 10.20 DME		306.52 / 3.80 (PSC R-127)				2700									
WARNU/PSC 10.20 DME		MOJUY/PSC 6.40 DME		306.52 / 3.80 (PSC R-127)				2200									
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. PROFILE STARTS AT USENY/PSC 14.00 DME 3. FAC 306.52 FAF MOJUY/PSC 6.40 DME DIST FAF TO MAP _____ THLD 5.60 4. MIN. ALT USENY 3300, WARNU 2700, MOJUY 2200, WOZER/PSC 3.40 DME 1260 8. MSA FROM: PSC VOR/DME 100-190 3500, 190-300 4800, 300-100 2900														MAG VAR: 15E		EPOCH YEAR:2015	
MINIMUMS																	
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT										ALTERNATE: N A		STANDARD @					
CATEGORY =====>		A			B			C			D			E			
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA		
S-30	820	3/4	415	820	3/4	415	820	1	415	820	1	415					
CIRCLING	880	1	470	940	1	530	1040	1 3/4	630	1100	2 1/4	690					
NOTES: CHART NOTE: FOR INOPERATIVE ODALS, INCREASE S-30 CAT C/D VISIBILITY TO 1 1/8 MILE. CHART NOTE: VDP NA WITH HERMISTON ALTIMETER SETTING. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. CHART NOTE: WHEN LOCAL ATIMETER SETTING NOT RECEIVED, USE HERMISTON ALTIMETER SETTING AND INCREASE ALL MDA 100 FEET, INCREASE S-30 VISIBILITY CAT C/D 3/8 MILE AND CIRCLING CAT C/D VISIBILITY 1/4 MILE. (SEE FORM 8260-10)																	
CITY AND STATE		ELEVATION: 410		TDZE: 405		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:						SUP			
PASCO, WA		AIRPORT NAME:		TRI-CITIES		PSC		VOR/DME RWY 30, AMDT 5, 11/13/2014						AMDT 4			
														DATE 11/18/2010			

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.

NOTES, (CONT.):

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON ALW VOR/DME AIRWAY RADIALS 209 CW 308.

CITY AND STATE

PASCO, WA

ELEVATION: 410

TDZE: 405

AIRPORT NAME:

TRI-CITIES

FACILITY
IDENTIFIER:

PSC

PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:

VOR/DME RWY 30, AMDT 5, 11/13/2014

SUP:

AMDT: 4

DATED: 11/18/2010

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: 5.65 MILES AFTER TRINA LOM OR AT ALW VOR/DME 1.02 DME FIX CLIMB TO 1800 THEN CLIMBING RIGHT TURN TO 4000 ON HEADING 340 AND ALW VOR/DME R-308 TO BACUN INT/ALW 15.36 DME AND HOLD, OR AS DIRECTED BY ATC. ALTERNATE MA: CLIMB TO 1800 THEN CLIMBING RIGHT TURN TO 4800 ON HEADING 020 AND ON ALW VOR/DME R-357 TO DATES INT/ALW 14.58 DME AND HOLD. ADDITIONAL FLIGHT DATA: HOLD NW, RT, 128.26 INBOUND. CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD W DATES INT/ALW 14.58 DME, RT, 070.30 INBOUND. CHART FAS OBST: 1719 TREE 460821N/1181338W 1806 AAO 460844N/1181354W. CHART ALW R-016 AT HOLOW. CHART VDP AT 3.31 DME* DISTANCE VDP TO THLD 2.30 MILES. *LOC ONLY. CHART: CIRCLING ICON CHART: MAX 6000 AT TRINA LOM IN PROFILE. MAG VAR: 20E EPOCH YEAR: 1980							
ALW VOR/DME		TRINA LOM		016.93 / 6.66		5200									
DATES INT		TRINA LOM		161.70 / 8.63		4800									
RENGO INT/MQG 40.63 DME (IAF)		HOLOW INT/ALW 17.82 DME (NOPT)		246.46 / 8.04 (MQG R-246) (ALW LR-022)		6200									
HOLOW INT/ALW 17.82 DME (IF)		TRINA LOM		196.19 / 11.16 (I-ALW)		3200									
1. PT <u>L</u> SIDE OF COURSE <u>016.19</u> OUTBOUND <u>3700</u> FT WITHIN <u>10</u> MILES OF <u>TRINA LOM</u> (IAF) 2. _____ 3. FAC: <u>196.19</u> FAF: <u>TRINA LOM</u> PFAF: <u>COSUV ALW 7.16 DME</u> DIST FAF TO MAP: <u>5.65</u> THLD: <u>5.65</u> 4. MIN. ALT: <u>TRINA LOM 3200, HIVOP/ALW 4.03 DME 2280*</u> 5. DIST TO THLD FROM OM: <u>5.65</u> MM: <u>-</u> IM: <u>-</u> 150 HAT: <u>-</u> 100 HAT: <u>-</u> GS ANT: <u>1050</u> 6. MIN GS INCPT: <u>3200</u> GS ALT AT: <u>COSUV 3200</u> OM: <u>3071</u> MM: <u>-</u> IM: <u>-</u> 7. GS ANGLE: <u>3.00</u> TCH: <u>49.9</u> 8. MSA FROM: <u>AL LOM 340-160 7600, 160-250 6600, 250-340 3600</u>															
MINIMUMS															
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE: N A		ILS: #		LOC: @							
CATEGORY =====>		A		B		C		D		E					
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
S-ILS 20 **	1394	2400	200	1394	2400	200	1394	2400	200	1394	2400	200			
S-LOC 20	2280	4000	1086	2280	5500	1086	2280	2 1/2	1086	2280	2 1/2	1086			
CIRCLING	2280	1 1/4	1086	2280	1 1/2	1086	2280	3	1086	2300	3	1106			
HIVOP DME FIX MINIMUMS															
S-LOC 20	1980	2400	786	1980	4000	786	1980	1 3/4	786	1980	1 3/4	786			
CIRCLING	1980	1	786	1980	1 1/4	786	2120	2 3/4	926	2300	3	1106			
NOTES: *LOC ONLY CHART NOTE: VDP NA WHEN USING PENDLETON ALTIMETER SETTING. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE PENDLETON ALTIMETER SETTING AND INCREASE ALL DA AND ALL MDA 120 FEET. INCREASE S-ILS 20 VISIBILITY ALL CATS TO RVR 3200, S-LOC 20 (SEE FORM 8260-10) # CAT A, B 1200-2, CAT C, D 1200-3 @ CAT A, B 1200-2, CAT C, D 1200-3 # @ NA WHEN LOCAL WEATHER NOT AVAILABLE.															
CITY AND STATE		ELEVATION: 1194 TDZE: 1194		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP: ILS OR LOC Y RWY					
WALLA WALLA, WA		AIRPORT NAME:		I-ALW		ILS Y OR LOC RWY 20, AMDT 10, 11/13/2014				20					
		WALLA WALLA RGNL								AMDT: 9					
										DATED 07/29/2010					

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.):

CAT A/C/D VISIBILITY 1/2 MILE. INCREASE HIVOP DME FIX S-LOC 20 CAT A/C/D VISIBILITY 1/4 MILE, AND CIRCLING CAT A AND C VISIBILITY 1/4 MILE.

CHART NOTE: **RVR 1800 AUTHORIZED WITH USE OF FD OR AP OR HUD TO DA.

CHART NOTE: FOR INOPERATIVE MALSR, WHEN USING PENDLETON ALTIMETER SETTING INCREASE S-ILS 20 ALL CATS VISIBILITY TO RVR 5500.

CHART NOTE: FOR INOPERATIVE MALSR INCREASE HIVOP DME FIX MINIMUMS S-LOC 20 CAT C/D VISIBILITY 3/4 MILE.

CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO S-LOC 20 CAT A, C, AND D VISIBILITY WHEN USING PENDLETON ALTIMETER SETTING.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT RENGU ON V536 AND V187 NORTHEAST BOUND.

CHART PROFILE NOTE: *2400 WHEN USING PENDLETON ALTIMETER SETTING.

QUALITY
7
CHECKED

CITY AND STATE

WALLA WALLA, WA

ELEVATION: 1194

TDZE: 1194

AIRPORT NAME:

WALLA WALLA RGNL

FACILITY
IDENTIFIER:
I-ALW

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

ILS Y OR LOC RWY 20, AMDT 10, 11/13/2014

SUP: ILS OR LOC Y RWY
20

AMDT: 9

DATED: 07/29/2010

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.

QUALITY
7
CHECKED

CITY AND STATE
WALLA WALLA, WA

ELEVATION: 1194 TDZE: 1194
AIRPORT NAME:
WALLA WALLA RGNL

FACILITY
IDENTIFIER:
I-ALW

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
ILS Y OR LOC RWY 20, AMDT 10, 11/13/2014

SUP: ILS OR LOC Y RWY
20
AMDT: 9
DATED: 07/29/2010

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: ALW 1.02 DME FIX							
RENGO INT/MQG 40.63 DME		HOLOW INT/ALW 17.82 DME		246.46 / 8.04 (MQG R-246)		6200		CLIMB TO 1800 THEN CLIMBING RIGHT TURN TO 4000 ON HEADING 340 AND ALW VOR/DME R-308 TO BACUN INT/ALW 15.36 DME AND HOLD, OR AS DIRECTED BY ATC. ALTERNATE MA: CLIMB TO 1800 THEN CLIMBING RIGHT TURN TO 4600 ON HEADING 350 AND PSC VOR/DME R-070 TO BUTOC/PSC 40 DME AND HOLD. ADDITIONAL FLIGHT DATA: HOLD NW, RT, 128.26 INBOUND. CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD W BUTOC INT/PSC 40.00 DME, RT, 070.30 INBOUND. CHART FAS OBST: 1719 TREE 460821N/1181338W 2050 AAO 461034N/1181023W. 1806 AAO 460844N/1181354W. CHART AL LOM IN HALF-TONE. CHART VDP AT 3.31 DME* DISTANCE VDP TO THLD 2.30 MILES. *LOC ONLY. CHART (CFFNW) AT INTERSECTION OF BUTOC DR LEG AND INTERMEDIATE COURSE. CHART CIRCLING ICON. CHART ALW R-016 AT HOLOW. CHART IN PLANVIEW: BUTOC INT/PSC 40.00 DME.							
HOLOW INT/ALW 17.82 DME (IAF)		RIRRO/ALW 12.32 DME		196.18 / 5.51 (I-ALW)		4600									
BUTOC INT/PSC 40.00 DME (IAF)		RIRRO/ALW 12.32 DME		111.00 / 3.90 (HDG) & 196.19 / 1.98 (I-ALW)		4600									
RIRRO/ALW 12.32 DME (IF)		ZALBI/ALW 8.72 DME		196.19 / 3.60 (I-ALW)		3600									
ZALBI/ALW 8.72 DME		COSUV/ALW 7.16 DME		196.19 / 1.56 (I-ALW)		3200									
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 RIRRO/ALW 12.32 DME 3. FAC: 196.19 FAF: COSUV/ALW 7.16 DME DIST FAF TO MAP: <u> </u> THLD: 6.14 4. MIN. ALT: RIRRO 4600, ZALBI 3600, COSUV 3200, HIVOP/ALW 4.03 DME 2400* 5. DIST TO THLD FROM OM: <u> </u> MM: <u> </u> IM: <u> </u> 150 HAT: <u> </u> 100 HAT: <u> </u> GS ANT: 1050 6. MIN GS INCPT: 3200 GS ALT AT: COSUV 3200 OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: 3.00 TCH: 49.9 8. MSA FROM: ALW VOR/DME 355-175 7600, 175-265 5000, 265-355 3500								MAG VAR: 20E EPOCH YEAR: 1980							
MINIMUMS															
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT						ALTERNATE: N A		ILS: #		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 20**	1394	2400	200	1394	2400	200	1394	2400	200	1394	2400	200			
S-LOC 20	1980	2400	786	1980	4000	786	1980	1 3/4	786	1980	1 3/4	786			
CIRCLING	1980	1	786	1980	1 1/4	786	2120	2 3/4	926	2300	3	1106			
NOTES: CHART NOTE: DME REQUIRED. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE PENDLETON ALTIMETER SETTING AND INCREASE ALL DA AND ALL MDA 120 FEET, INCREASE S-ILS 20 VISIBILITY TO RVR 3200, INCREASE S-LOC 20 CAT A VISIBILITY 3/8 MILE, CAT C AND D VISIBILITY 1/4 MILE AND CIRCLING CAT A AND C/D VISIBILITY (SEE FORM 8260-10)															
CITY AND STATE WALLA WALLA, WA				ELEVATION: 1194 TDZE: 1194 AIRPORT NAME: WALLA WALLA RGNL		FACILITY IDENTIFIER: I-ALW		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS Z OR LOC/DME RWY 20, AMDT 1, 11/13/2014				SUP: ILS OR LOC/DME Z RWY 20 AMDT: ORIG DATED 07/29/2010			

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.):

1/4 MILE.

CHART NOTE: **RVR 1800 AUTHORIZED WITH USE OF FD OR AP OR HUD TO DA.

CHART NOTE: VDP NA WHEN USING PENDLETON ALTIMETER SETTING.

CHART NOTE: FOR INOPERATIVE MALSR, WHEN USING PENDLETON ALTIMETER SETTING, INCREASE S-ILS 20 ALL CATS VISIBILITY TO 5000 RVR.

CHART NOTE: DME FROM ALW VOR/DME. SIMULTANEOUS RECEPTION OF I-ALW AND ALW VOR/DME REQUIRED.

CHART NOTE: FOR INOPERATIVE MALSR, INCREASE S-LOC 20 CAT C/D VISIBILITY 3/4 MILE.

CITY AND STATE

WALLA WALLA, WA

ELEVATION: 1194

TDZE: 1194

AIRPORT NAME:

WALLA WALLA RGNL

FACILITY
IDENTIFIER:

I-ALW

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

ILS Z OR LOC/DME RWY 20, AMDT 1, 11/13/2014

SUP: ILS OR LOC/DME Z
RWY 20

AMDT: ORIG

DATED: 07/29/2010

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

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

CITY AND STATE
WALLA WALLA, WA

ELEVATION: 1194 TDZE: 1194
AIRPORT NAME:
WALLA WALLA RGNL

FACILITY
IDENTIFIER:
I-ALW

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
ILS Z OR LOC/DME RWY 20, AMDT 1, 11/13/2014

SUP: ILS OR LOC/DME Z
RWY 20
AMDT: ORIG
DATED: 07/29/2010

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

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

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

TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
1373 MSL	COSUV (FB)		
COSUV	DATES (FO)	339.75 / 8.22	4000

NOTES, (CONT.):

INCREASE ALL DA / MDA 120 FEET AND LPV ALL VISIBILITIES 1/4 MILE, LNAV / VNAV ALL VISIBILITIES 3/8 MILE, LNAV CATS C/D VISIBILITY 3/8 MILE, AND CIRCLING CAT C VISIBILITY 1/4 MILE.

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

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT TOLGA ON V357 SOUTHBOUND.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT TACUP ON V112 NORTHEAST BOUND.

QUALITY
1
CHECKED

CITY AND STATE

WALLA WALLA, WA

ELEVATION: 1194

TDZE: 1173

AIRPORT NAME:

WALLA WALLA RGNL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 2, AMDT 2

13 NOVEMBER 2014

SUP:

AMDT: 1

DATED: 12/20/2007

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 KALW
RUNWAY RW02
APPROACH PERFORMANCE DESIGNATOR 0
ROUTE INDICATOR 0
REFERENCE PATH DATA SELECTOR W02A
REFERENCE PATH IDENTIFIER (APPROACH ID) 460507.1555N
LTP/FTP LATITUDE 1181730.0350W
LTP/FTP LONGITUDE +03312
LTP/FTP ELLIPSOIDAL HEIGHT 460619.0460N
FPAP LATITUDE 1181614.4415W
FPAP LONGITUDE 00045.0
THRESHOLD CROSSING HEIGHT (TCH) F
TCH UNITS SELECTOR (METERS OR FEET USED) 03.00
GLIDEPATH ANGLE (GPA) 106.75
COURSE WIDTH AT THRESHOLD 0760
LENGTH OFFSET 40.0
HORIZONTAL ALERT LIMIT (HAL) 35.0
VERTICAL ALERT LIMIT (VAL)

CRC REMAINDER

6F929BA4

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K1
LTP ORTHOMETRIC HEIGHT +03517
FPAP ORTHOMETRIC HEIGHT +03517

CITY AND STATE

WALLA WALLA, WA

ELEVATION: 1194

TDZE: 1173

AIRPORT NAME:

WALLA WALLA RGNL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 2, AMDT 2

13 NOVEMBER 2014

SUP:

AMDT: 1

DATED: 12/20/2007

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	KALWK1FR02	ATACUP	010TACUPK1EA0E	IF						18000		A	JS
SUSAP	KALWK1FR02	ATACUP	020ZUMPUK1EA0E	A 020TF		12980057	+	04400				A	JS
SUSAP	KALWK1FR02	ATACUP	030CILONK1EA0EE	B 010TF		09990075	+	03900				A	JS
SUSAP	KALWK1FR02	ATOLGA	010TOLGAK1EA0E	IF						18000		A	JS
SUSAP	KALWK1FR02	ATOLGA	020ZETIGK1EA0E	020TF		26160068	+	06000				A	JS
SUSAP	KALWK1FR02	ATOLGA	030CILONK1EA0EY	020TF		26150042	+	03900				A	JS
SUSAP	KALWK1FR02	ATOLGA	040CILONK1EA0EE	AR HF		01610040	+	03900				A	JS
SUSAP	KALWK1FR02	R	010CILONK1EA0E	I IF			+	03900		18000		A	JS
SUSAP	KALWK1FR02	R	020HIPUXK1EA1E	F 051TF		01610074	+	02800			RW02	K1PGA	JS
SUSAP	KALWK1FR02	R	020HIPUXK1EA2WALPV		ALNAV/VNAV	ALNAV							JS
SUSAP	KALWK1FR02	R	030RW02 K1PGOGY	M 031TF		01610050		01199		-300		A	JS
SUSAP	KALWK1FR02	R	040	0 M CA		0161	+	01373				A	JS
SUSAP	KALWK1FR02	R	050COSUVK1EA0E	DF								A	JS
SUSAP	KALWK1FR02	R	060DATESK1EA0EY	010TF		3398	+	04000				A	JS
SUSAP	KALWK1FR02	R	070DATESK1EA0EE	R HM		06530040	+	04000				A	JS

[illegible][illegible]

CITY AND STATE
WALLA WALLA, WA

ELEVATION: 1194 TDZE: 1173
AIRPORT NAME:
WALLA WALLA RGNL

FACILITY
IDENTIFIER:

RNAV

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

SUP:	
AMDT:	1
DATED:	12/20/2007

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

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SUSAP KALWK1PR02 RW02 001 0000W02A0N4605071555W11817300350+033120300N4606190460W11816144415106750760000450F4003506F929BA4
SUSAP KALWK1PR02 RW02 002E +03517+03517LPV 72805

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

SUSAP KALWK1SRW02 K1PG				0	18018007625								M

QUALITY
&
CHECKED

CITY AND STATE
WALLA WALLA, WA

ELEVATION: 1194 TDZE: 1173
AIRPORT NAME:
WALLA WALLA RGNL

FACILITY
IDENTIFIER:

RNAV

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

SUP:
AMDT: 1
DATED: 12/20/2007

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

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ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	TACUP	TACUP	010		IF		FB					
	TACUP	ZUMPU	020	IAF	TF		FB	2.0	129.8 (149.8T)	005.7	AA 04400	
	TACUP	CILON	030		TF		FB	1.0	099.9 (119.9T)	007.5	AA 03900	
	TOLGA	TOLGA	010		IF		FB					
	TOLGA	ZETIG	020		TF		FB	2.0	261.6 (281.6T)	006.8	AA 06000	
	TOLGA	CILON	030		TF		FO	2.0	261.5 (281.5T)	004.2	AA 03900	
	TOLGA	CILON	040	IAF	HF	R	FO		016.1 (036.1T)	004.0	AA 03900	
		CILON	010	FACF	IF		FB				AA 03900	
		HIPUX	020	FAF	TF		FB	0.5	016.1 (036.1T)	007.4	AA 02800	
		RW02	030	MAP	TF		FO	0.3	016.1 (036.1T)	005.0	AT 01199	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		016.1 (036.1T)		AA 01373	
	COSUV	050		DF		FB					
	DATES	060		TF		FO	1.0	339.8 (359.8T)		AA 04000	
	DATES	070		HM	R	FO		065.3 (085.3T)	004.0	AA 04000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CILON	N455503.42	W1182802.22	N4555.057	W11828.037
	COSUV	N461056.33	W1181122.23	N4610.939	W11811.371
	DATES	N461909.54	W1181125.36	N4619.159	W11811.423
	HIPUX	N460103.66	W1182145.56	N4601.061	W11821.759
	TACUP	N460342.86	W1184127.75	N4603.714	W11841.463
	TOLGA	N455252.02	W1181239.27	N4552.867	W11812.655
	ZETIG	N455413.34	W1182208.51	N4554.222	W11822.142
	ZUMPU	N455847.98	W1183721.05	N4558.800	W11837.351
	RW02	N460507.16	W1181730.04	N4605.119	W11817.501

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW02	01154	45

Handwritten: CHECKED

CITY AND STATE WALLA WALLA, WA	ELEVATION: 1194	TDZE: 1173	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME: WALLA WALLA RGNL		RNAV	RNAV (GPS) RWY 2, AMDT 2 13 NOVEMBER 2014	AMDT: 1
					DATED: 12/20/2007

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: RW20 CLIMB TO 4000 DIRECT CILON AND HOLD. ADDITIONAL FLIGHT DATA: HOLD S, RT, 016.06 INBOUND. FAS OBST: 1900 AAO 460852N/1181304W 2097 AAO 461027N/1181006W. 1933 AAO 460854N/1181239W. DISTANCE TO THLD FROM 200 HAT: 0.47 NM. CHART VDP AT 2.85 MILES TO RW20* *LNAV ONLY. WAAS CHANNEL # 90299 REFERENCE PATH ID: W20A CHART CIRCLING ICON. LTP HAE: 342.5 M											
RENGO	YALLO (FB)	226.20 / 5.32	6000												
BACUN	KIMIW (FO)	079.06 / 16.07	4600												
ALW VOR/DME	KIMIW (FO)	016.56 / 13.07	4600												
YALLO (IAF)	KIMIW (NOPT) (FB)	229.10 / 6.40	4600												
KIMIW (IF/IAF)	COSUV (FB)	196.31 / 5.91	3200												
COSUV (FAF)	WACKE/3.70 NM TO RW20 (FB)	196.25 / 2.44													
(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 N KIMIW, RT, 196.31 INBOUND, 4600 FT. IN LIEU OF PT (IAF) 3. FAC: <u>196.25</u> FAF: <u>COSUV</u> DIST FAF TO MAP: <u>6.14</u> THLD: <u>6.14</u> 4. MIN. ALT: KIMIW 4600, COSUV 3200, WACKE/3.70 NM TO RW20 2420* 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>3200</u> GS ALT AT: <u>COSUV</u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u>3.00</u> TCH: <u>49.9</u> 34:1 IS CLEAR 8. MSA FROM: <u>RW20 7600</u>								MAG VAR: 20E EPOCH YEAR: 1980							
MINIMUMS															
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE: N A											
CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	1394	2400	200	1394	2400	200	1394	2400	200	1394	2400	200			
LNAV/VNAV DA	1773	1 1/2	579	1773	1 1/2	579	1773	1 1/2	579	1773	1 1/2	579			
LNAV MDA	2160	4000	966	2160	5500	966	2160	2 1/2	966	2160	2 1/2	966			
CIRCLING	2160	1 1/4	966	2160	1 1/2	966	2160	3	966	2300	3	1106			
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -11C (13F) OR ABOVE 54C (130F). @ NA WHEN LOCAL WEATHER NOT AVAILABLE. CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE PENDLETON ALTIMETER SETTING AND (SEE FORM 8260-10)															
CITY AND STATE		ELEVATION: 1194 TDZE: 1194		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:					
WALLA WALLA, WA		AIRPORT NAME: WALLA WALLA RGNL				RNAV (GPS) RWY 20, AMDT 1				AMDT: ORIG-A					
						13 NOVEMBER 2014				DATED 02/15/2007					

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

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TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
WACKE/3.70 NM TO RW20	RW20 (MAP) (FO)	196.25 / 3.70	
RW20 (MAP)	1394 MSL	196.25	
1394 MSL	CILON (FO)		4000

NOTES, (CONT.):

INCREASE ALL DAS / MDAS 120 FEET AND INCREASE LPV RVR TO 2800, LNAV / VNAV VISIBILITIES TO 1 7/8 MILES, AND LNAV CAT A RVR TO 6000.

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

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON ALW VOR/DME AIRWAY RADIALS 308 CW 053.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT RENG0 ON V536 NORTHEAST BOUND.

CHART NOTE: FOR INOPERATIVE MALSR WHEN USING PENDLETON ALTIMETER SETTING, INCREASE LPV ALL CATS VISIBILITY TO 1 AND LNAV CAT A TO 1 1/4.

CITY AND STATE

WALLA WALLA, WA

ELEVATION: 1194

TDZE: 1194

AIRPORT NAME:

WALLA WALLA RGNL

 FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:

 RNAV (GPS) RWY 20, AMDT 1
13 NOVEMBER 2014

SUP:

AMDT: ORIG-A

DATED: 02/15/2007

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

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CITY AND STATE
WALLA WALLA, WA

ELEVATION: 1194 TDZE: 1194
AIRPORT NAME:
WALLA WALLA RGNL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 20, AMDT 1
13 NOVEMBER 2014

SUP:
AMDT: ORIG-A
DATED: 02/15/2007

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

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

OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KALW
RUNWAY	RW20
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W20A
LTP/FTP LATITUDE	460559.1575N
LTP/FTP LONGITUDE	1181635.3640W
LTP/FTP ELLIPSOIDAL HEIGHT	+03425
FPAP LATITUDE	460447.2630N
FPAP LONGITUDE	1181750.9420W
THRESHOLD CROSSING HEIGHT (TCH)	00049.9
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0760
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0

CRC REMAINDER

B7A65DE3

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K1
LTP ORTHOMETRIC HEIGHT	+03640
FPAP ORTHOMETRIC HEIGHT	+03640

CITY AND STATE

WALLA WALLA, WA

ELEVATION: 1194

TDZE: 1194

AIRPORT NAME:

WALLA WALLA RGNL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 20, AMDT 1

13 NOVEMBER 2014

SUP:

AMDT: ORIG-A

DATED: 02/15/2007

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	KALWK1FR20	AALW	010ALW	K1D 0V	IF					18000		A JS	
SUSAP	KALWK1FR20	AALW	020KIMIWK1EA0EY	020TF		01660131	+	04600				A JS	
SUSAP	KALWK1FR20	AALW	030KIMIWK1EA0EE	AR HF		19630050	+	04600				A JS	
SUSAP	KALWK1FR20	ABACUN	010BACUNK1EA0E	IF					18000			A JS	
SUSAP	KALWK1FR20	ABACUN	020KIMIWK1EA0EY	020TF		07910161	+	04600				A JS	
SUSAP	KALWK1FR20	ABACUN	030KIMIWK1EA0EE	AR HF		19630050	+	04600				A JS	
SUSAP	KALWK1FR20	ARENGO	010RENGOK1EA0E	IF					18000			A JS	
SUSAP	KALWK1FR20	ARENGO	020YALLOK1EA0E	A 020TF		22620053	+	06000				A JS	
SUSAP	KALWK1FR20	ARENGO	030KIMIWK1EA0EE	B 010TF		22910064	+	04600				A JS	
SUSAP	KALWK1FR20	R	010KIMIWK1EA0E	I IF					18000			A JS	
SUSAP	KALWK1FR20	R	020COSUVK1EA1E	F 051TF		19630059	+	03200			RW20	K1PGA JS	
SUSAP	KALWK1FR20	R	020COSUVK1EA2WALPV		ALNAV/VNAV ALNAV							JS	
SUSAP	KALWK1FR20	R	021WACKEK1EA0E	S 031TF		19630024	V	0242002423		-300		A JS	
SUSAP	KALWK1FR20	R	030RW20 K1PG0GY	M 031TF		19630037		01244		-300		A JS	
SUSAP	KALWK1FR20	R	040	0 M	CA	1963	+	01394				A JS	
SUSAP	KALWK1FR20	R	050CILONK1EA0EY	DF				04000				A JS	
SUSAP	KALWK1FR20	R	060CILONK1EA0EE	R HM		01610040	+	04000				A JS	

[illegible]

CITY AND STATE WALLA WALLA, WA	ELEVATION: 1194 TDZE: 1194	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME: WALLA WALLA RGNL	RNAV	RNAV (GPS) RWY 20, AMDT 1	AMDT: ORIG-A
			13 NOVEMBER 2014	DATED: 02/15/2007

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

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SUSAP KALWK1GRW20 0065271962 N46055916W118163536-0600 +0342501194000050150IIALW1

[illegible][illegible]

CITY AND STATE
WALLA WALLA, WA

ELEVATION: 1194	TDZE: 1194
AIRPORT NAME:	
WALLA WALLA RGNL	

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
RNAV (GPS) RWY 20, AMDT 1
 13 NOVEMBER 2014

SUP:	
AMDT:	ORIG-A
DATED:	02/15/2007

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

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ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
ALW		ALW	010		IF		FB					
ALW		KIMIWI	020		TF		FO	2.0	016.6 (036.6T)	013.1	AA 04600	
ALW		KIMIWI	030	IAF	HF	R	FO		196.3 (216.3T)	005.0	AA 04600	
BACUN		BACUN	010		IF		FB					
BACUN		KIMIWI	020		TF		FO	2.0	079.1 (099.1T)	016.1	AA 04600	
BACUN		KIMIWI	030	IAF	HF	R	FO		196.3 (216.3T)	005.0	AA 04600	
RENGO		RENGO	010		IF		FB					
RENGO		YALLO	020	IAF	TF		FB	2.0	226.2 (246.2T)	005.3	AA 06000	
RENGO		KIMIWI	030		TF		FB	1.0	229.1 (249.1T)	006.4	AA 04600	
		KIMIWI	010	FACF	IF		FB				AA 04600	
		COSUV	020	FAF	TF		FB	0.5	196.3 (216.3T)	005.9	AA 03200	
		WACKE	021	SDF	TF		FB	0.3	196.3 (216.3T)	002.4	AA 02420	GS 02423
		RW20	030	MAP	TF		FO	0.3	196.3 (216.3T)	003.7	AT 01244	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		196.3 (216.3T)		AA 01394	
	CILON	050		DF		FO				AA 04000	
	CILON	060		HM	R	FO		016.1 (036.1T)	004.0	AA 04000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	ALW	N460513.11	W1181733.13	N4605.219	W11817.552
	BACUN	N461816.04	W1182912.44	N4618.267	W11829.207
	CILON	N455503.42	W1182802.22	N4555.057	W11828.037
	COSUV	N461056.33	W1181122.23	N4610.939	W11811.371
	KIMIWI	N461542.02	W1180620.07	N4615.700	W11806.335
	RENGO	N462008.16	W1175042.07	N4620.136	W11750.701
	WACKE	N460858.23	W1181326.82	N4608.971	W11813.447
	YALLO	N461759.26	W1175743.01	N4617.988	W11757.717
	RW20	N460559.16	W1181635.36	N4605.986	W11816.589

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW20	01194	50

CITY AND STATE
WALLA WALLA, WA

ELEVATION: **1194** **TDZE: 1194**
 AIRPORT NAME:
WALLA WALLA RGNL

FACILITY
 IDENTIFIER:
RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
RNAV (GPS) RWY 20, AMDT 1
13 NOVEMBER 2014

SUP:
 AMDT: **ORIG-A**
 DATED: **02/15/2007**

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.
BELOIT, WI	BELOIT	13 NOVEMBER 2014	ORIG.

TAKEOFF MINIMUMS:

RWY 7, 25: STANDARD.

TEXTUAL DEPARTURE PROCEDURES:

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 7: VEHICLES ON ROAD BEGINNING 11 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 15 AGL/ 844 FT MSL. TREES BEGINNING 13 FT FROM DER, 241 FT RIGHT OF CENTERLINE, 75 FT AGL/ 894 FT MSL. TREE 20 FT FROM DER, 220 FT LEFT OF CENTERLINE, 75 FT AGL/ 894 FT MSL. SILO 86 FT FROM DER, 230 FT LEFT OF CENTERLINE, 100 FT AGL/ 919 FT MSL. TREE 146 FT FROM DER, 31 FT LEFT OF CENTERLINE, 75 FT AGL/ 904 FT MSL. TREE 278 FT FROM DER, 305 FT LEFT OF CENTERLINE, 75 FT AGL/ 904 FT MSL. TREE 827 FT FROM DER, 693 FT LEFT OF CENTERLINE, 75 FT AGL/ 894 FT MSL. TREE 4827 FT FROM DER, 1523 FT RIGHT OF CENTERLINE, 75 FT AGL/ 944 FT MSL.

NOTE: RWY 25: TREES BEGINNING 47 FT FROM DER, 35 FT RIGHT OF CENTERLINE, 75 FT AGL/ 884 FT MSL. TREE 180 FT FROM DER, 237 FT LEFT OF CENTERLINE, 75 FT AGL/ 874 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.
BELOIT, WI	BELOIT	13 NOVEMBER 2014	ORIG.

REMARKS:

FLIGHT INSPECTED BY:

Jeffrey Haring

6/24/14
[Signature]

REQUIRED EFFECTIVE DATE:

ROUTINE

DEVELOPED BY:

PETER GETZ
(AUSTIN GOTCHER)

[Signature]
AJV-353

06/9/2014

APPROVED BY:

GEORGE GONZALEZ

[Signature]
AJV-353

AUG 27 2014

COORDINATED WITH:

ALPA, AOPA, NBAA, AMGR, ZAU ARTCC.

CHANGES:

ORIG.

REASONS:

ORIG.



[4910-13]

DEPARTMENT OF TRANSPORTATION

Federal Aviation Administration

14 CFR Part 97

[Docket No. [30980](#); Amdt. No. [3610](#)]

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 [SEPTEMBER 12, 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
16-Oct-14	HI	Hilo	Hilo Intl	4/4084	08/26/14	This NOTAM, published in TL 14-21, is hereby rescinded in its entirety.
16-Oct-14	WY	Newcastle	Mondell Field	4/0424	09/02/14	VOR RWY 32, Amdt 4
16-Oct-14	CA	Carlsbad	Mc Clellan-Palomar	4/0487	09/03/14	RNAV (GPS) X RWY 24, Orig-A
16-Oct-14	CA	Carlsbad	Mc Clellan-Palomar	4/0494	09/03/14	ILS OR LOC/DME RWY 24, Amdt 9B
16-Oct-14	CA	Carlsbad	Mc Clellan-Palomar	4/0495	09/03/14	RNAV (GPS) Y RWY 24, Amdt 3A
16-Oct-14	CA	Rio Vista	Rio Vista Muni	4/0516	09/03/14	RNAV (GPS) RWY 25, Amdt 3A
16-Oct-14	NY	Binghamton	Greater Binghamton/Edwin A Link Field	4/1814	09/02/14	VOR/DME RWY 28, Amdt 11
16-Oct-14	NC	New Bern	Coastal Carolina Regional	4/2279	09/02/14	RNAV (GPS) RWY 4, Orig-A
16-Oct-14	WA	Port Angeles	William R Fairchild Intl	4/2926	09/02/14	RNAV (GPS) RWY 8, Orig-B
16-Oct-14	WA	Port Angeles	William R Fairchild Intl	4/2927	09/02/14	RNAV (GPS) RWY 26, Orig-A
16-Oct-14	WA	Port Angeles	William R Fairchild Intl	4/2930	09/02/14	ILS OR LOC RWY 8, Amdt 2B
16-Oct-14	NJ	Atlantic City	Atlantic City Intl	4/3845	08/28/14	VOR RWY 13, Amdt 4A
16-Oct-14	NJ	Atlantic City	Atlantic City Intl	4/3847	08/28/14	ILS OR LOC/DME RWY 31, Orig-B
16-Oct-14	NJ	Atlantic City	Atlantic City Intl	4/3849	08/28/14	VOR RWY 4, Amdt 15A
16-Oct-14	NJ	Atlantic City	Atlantic City Intl	4/3850	08/28/14	VOR RWY 31, Amdt 1A
16-Oct-14	NJ	Atlantic City	Atlantic City Intl	4/3851	08/28/14	VOR/DME RWY 22, Amdt 6B
16-Oct-14	AL	Tuscaloosa	Tuscaloosa Rgnl	4/4666	09/03/14	ILS RWY 4, Amdt 14D
16-Oct-14	AL	Tuscaloosa	Tuscaloosa Rgnl	4/4669	09/03/14	VOR OR TACAN RWY 4, Amdt 11C
16-Oct-14	AL	Tuscaloosa	Tuscaloosa Rgnl	4/4672	09/03/14	RNAV (GPS) RWY 22, Amdt 1
16-Oct-14	AL	Tuscaloosa	Tuscaloosa Rgnl	4/4673	09/03/14	RNAV (GPS) RWY 29, Orig
16-Oct-14	AL	Tuscaloosa	Tuscaloosa Rgnl	4/4674	09/03/14	RNAV (GPS) RWY 4, Orig
16-Oct-14	NY	Saratoga Springs	Saratoga County	4/5667	09/03/14	RNAV (GPS) RWY 23, Amdt 1A
16-Oct-14	NY	Saratoga Springs	Saratoga County	4/5668	09/03/14	VOR/DME A, Amdt 1A
16-Oct-14	NY	Saratoga Springs	Saratoga County	4/5673	09/03/14	RNAV (GPS) RWY 5, Amdt 1B

16-Oct-14	MA	Worcester	Worcester Rgnl	4/5722	08/28/14	ILS OR LOC RWY 29, Amdt 4B
16-Oct-14	WA	Moses Lake	Grant Co Intl	4/5842	08/27/14	VOR RWY 22, Amdt 5B
16-Oct-14	UT	Heber	Heber City Muni - Russ McDonald Field	4/5860	08/27/14	RNAV (GPS) A, Amdt 2
16-Oct-14	FL	Immokalee	Immokalee Rgnl	4/6163	08/28/14	RNAV (GPS) RWY 36, Orig-B
16-Oct-14	NY	Elmira/Corning	Elmira/Corning Rgnl	4/6177	08/28/14	RNAV (GPS) RWY 28, Amdt 3A
16-Oct-14	NC	Ahoskie	Tri-County	4/6231	08/28/14	VOR/DME OR GPS A, Amdt 5A
16-Oct-14	KY	Frankfort	Capital City	4/6884	09/03/14	VOR RWY 25, Amdt 3
16-Oct-14	KY	Frankfort	Capital City	4/6885	09/03/14	RNAV (GPS) RWY 7, Amdt 2A
16-Oct-14	KY	Frankfort	Capital City	4/6887	09/03/14	LOC RWY 25, Amdt 3A
16-Oct-14	MT	Forsyth	Tillitt Field	4/6954	08/27/14	RNAV (GPS) RWY 26, Orig-C
16-Oct-14	MT	Forsyth	Tillitt Field	4/6955	08/27/14	NDB RWY 26, Amdt 3B
16-Oct-14	CA	Palm Springs	Jacqueline Cochran Rgnl	4/6995	08/27/14	VOR/DME RWY 30, Amdt 1
16-Oct-14	CA	Palm Springs	Jacqueline Cochran Rgnl	4/6997	08/27/14	RNAV (GPS) RWY 30, Orig
16-Oct-14	CA	Palm Springs	Jacqueline Cochran Rgnl	4/6998	08/27/14	RNAV (GPS) RWY 35, Orig
16-Oct-14	FL	Daytona Beach	Daytona Beach Intl	4/7173	08/28/14	RADAR-1, Amdt 8C
16-Oct-14	VA	Danville	Danville Rgnl	4/7232	09/03/14	VOR RWY 20, Amdt 2
16-Oct-14	VA	Danville	Danville Rgnl	4/7239	09/03/14	ILS OR LOC RWY 2, Amdt 4A
16-Oct-14	VA	Danville	Danville Rgnl	4/7242	09/03/14	RNAV (GPS) RWY 20, Orig-A
16-Oct-14	VA	Danville	Danville Rgnl	4/7243	09/03/14	VOR RWY 2, Amdt 14
16-Oct-14	VA	Danville	Danville Rgnl	4/7244	09/03/14	RNAV (GPS) RWY 2, Orig
16-Oct-14	KS	Independence	Independence Muni	4/7880	08/28/14	ILS OR LOC RWY 35, Amdt 1B
16-Oct-14	WA	Pullman/Moscow,ID	Pullman/Moscow Rgnl	4/9288	09/03/14	RNAV (GPS) Y RWY 6, Amdt 2B
16-Oct-14	WA	Pullman/Moscow,ID	Pullman/Moscow Rgnl	4/9292	09/03/14	RNAV (GPS) RWY 24, Amdt 1A
16-Oct-14	WA	Pullman/Moscow,ID	Pullman/Moscow Rgnl	4/9294	09/03/14	RNAV (RNP) Z RWY 6, Orig
16-Oct-14	WA	Pullman/Moscow,ID	Pullman/Moscow Rgnl	4/9299	09/03/14	VOR RWY 6, Amdt 9

AIRAC Date: 16 OCTOBER 2014

FDC **4/0424** ECS IAP MONDELL FIELD, NEWCASTLE, WY. VOR RWY 32, AMDT 4... DELETE NOTE: CIRCLING EAST NE OF RWY 14-32 CHART NOTE: CIRCLING NA NE OF RWY 14-32. THIS IS VOR RWY 32, AMDT 4A. 1409021147-PERM

FDC **4/0487** CRQ IAP MC CLELLAN-PALOMAR, CARLSBAD, CA. RNAV (GPS) X RWY 24, ORIG-A... LPV DA 528/HAT 202, VISIBILITY CATS A/B RVR 4000, CAT C 576/HAT 250, VISIBILITY RVR 4000. CHANGE INOPERATIVE MALSR NOTE TO READ: FOR INOPERATIVE MALSR, INCREASE LNAV CATS A/B VISIBILITY TO RVR 5000. CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO LPV. THIS IS RNAV (GPS) X RWY 24, ORIG-B. 1409021322-PERM

FDC **4/0494** CRQ IAP MC CLELLAN-PALOMAR, CARLSBAD, CA. ILS OR LOC/DME RWY 24, AMDT 9B... S-ILS 24 CAT A/B DA 527/HAT 201. CHANGE HELICOPTER VISIBILITY REDUCTION NOTE TO READ: HELICOPTER VISIBILITY REDUCTION BELOW RVR 4000 NOT AUTHORIZED. THIS IS ILS OR LOC/DME RWY 24, AMDT 9C. 1409021322-PERM

FDC **4/0495** CRQ IAP MC CLELLAN-PALOMAR, CARLSBAD, CA. RNAV (GPS) Y RWY 24, AMDT 3A... LPV DA 528/HAT 202, VISIBILITY CATS A/B RVR 4000, CAT C 576/HAT 250, VISIBILITY RVR 4000. CHANGE INOPERATIVE MALSR NOTE TO READ: FOR INOPERATIVE MALSR, INCREASE LNAV CATS A/B VISIBILITY TO RVR 5000. CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO LPV . THIS IS RNAV (GPS) Y RWY 24, AMDT 3B. 1409021322-PERM

FDC **4/0516** O88 IAP RIO VISTA MUNI, RIO VISTA, CA. RNAV (GPS) RWY 25, AMDT 3A... CIRCLING CAT B MDA 560/HAA 537, CAT C MDA 580/HAA 557. THIS IS RNAV (GPS) RWY 25, AMDT 3B. 1409021340-PERM

FDC **4/1814** BGM IAP GREATER BINGHAMTON/EDWIN A LINK FIELD, BINGHAMTON, NY. VOR/DME RWY 28, AMDT 11... CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. THIS IS VOR/DME RWY 28, AMDT 11A. 1409041931-PERM

FDC **4/2279** EWN PART 1 OF 2 IAP COASTAL CAROLINA REGIONAL, NEW BERN, NC. RNAV (GPS) RWY 4, ORIG-A... CHANGE TDZE FROM 16 TO 17. CHANGE APT ELEV FROM 19 TO 18. LPV DA 341/HAT 324, VIS 1 1/8 ALL CATS. LNAV/VNAV DA 435/HAT 418, VIS 1 1/2 ALL CATS. LNAV MDA 500/HAT 483 ALL CATS; VIS CATS C/D 1 3/8 MILE. CIRCLING CATS A/B/C MDA 500/HAA 482, VIS CAT A/B 1. CAT D HAA 562. CHANGE LOCAL ALTIMETER SETTING NOTE TO READ: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE CHERRY POINT ALTIMETER SETTING AND INCREASE ALL DA 32 FEET AND ALL MDA 40 FEET; INCREASE LPV ALL CATS AND LNAV CATS C/D VISIBILITY 1/8 MILE. CHART NOTE: NIGHT LANDING: RWY 14 AND 32 NA. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. CHANGE VDP TO 1.37 NM TO RW04. 1408111601-PERM END PART 1 OF 2

FDC **4/2279** EWN PART 2 OF 2 IAP CHANGE PLANVIEW NOTE TO READ: PROCEDURE NA FOR ARRIVALS AT BEULA ON V56 WESTBOUND AND ON V70 SOUTHBOUND. THIS IS RNAV (GPS) RWY 4, ORIG-B. 1408111601-PERM END PART 2 OF 2

FDC **4/2926** CLM IAP WILLIAM R FAIRCHILD INTL, PORT ANGELES, WA. RNAV (GPS) RWY 8, ORIG-B... DELETE NOTE: NIGHT LANDING: RWY 13, 31, 26 NA. CHART NOTE: NIGHT LANDING: RWY 13, 31 NA. THIS IS RNAV (GPS) RWY 8, ORIG-C. 1408121918-PERM

FDC **4/2927** CLM IAP WILLIAM R FAIRCHILD INTL, PORT ANGELES, WA. RNAV (GPS) RWY 26, ORIG-A... DELETE NOTE: NIGHT LANDING: RWY 13, 31, 26 NA. CHART NOTE: NIGHT LANDING: RWY 13, 31 NA. DELETE NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NA. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NA. THIS IS RNAV (GPS) RWY 26, ORIG-B. 1408121918-PERM

FDC **4/2930** CLM IAP WILLIAM R FAIRCHILD INTL, PORT ANGELES, WA. ILS OR LOC RWY 8, AMDT 2B... DELETE NOTE: NIGHT LANDING: RWY 13, 31, 26 NA. CHART NOTE: NIGHT LANDING: RWY 13, 31 NA. THIS IS ILS OR LOC RWY 8, AMDT 2C. 1408121918-PERM

FDC **4/3845** ACY IAP ATLANTIC CITY INTL, ATLANTIC CITY, NJ. VOR RWY 13, AMDT 4A... MSA FROM ACY VORTAC 2100. THIS IS VOR RWY 13, AMDT 4B. 1408141517-PERM

FDC **4/3847** ACY IAP ATLANTIC CITY INTL, ATLANTIC CITY, NJ. ILS OR LOC/DME RWY 31, ORIG-B... MSA FROM ACY VORTAC 2100. THIS IS ILS OR LOC/DME RWY 31, ORIG-C. 1408141517-PERM

FDC **4/3849** ACY IAP ATLANTIC CITY INTL, ATLANTIC CITY, NJ. VOR RWY 4, AMDT 15A... MSA FROM ACY VORTAC 2100. THIS IS VOR RWY 4, AMDT 15B. 1408141517-PERM

FDC **4/3850** ACY IAP ATLANTIC CITY INTL, ATLANTIC CITY, NJ. VOR RWY 31, AMDT 1A... MSA FROM ACY VORTAC 2100. THIS IS VOR RWY 31, AMDT 1B. 1408141517-PERM

FDC **4/3851** ACY IAP ATLANTIC CITY INTL, ATLANTIC CITY, NJ. VOR/DME RWY 22, AMDT 6B... MSA FROM ACY VORTAC 2100. THIS IS VOR/DME RWY 22, AMDT 6C. 1408141517-PERM

FDC **4/4666** TCL IAP TUSCALOOSA RGNL, TUSCALOOSA, AL. ILS RWY 4, AMDT 14D... S-LOC MDA 520/HAT 361 ALL CATS. VIS CAT C/D 5/8. ALTERNATE MINIMUMS: ILS: # EXCEPT CAT A, B. C, D 700-2. LOC: @ STANDARD. # @ NA WHEN CONTROL TOWER CLOSED. # @ NA WHEN LOCAL WEATHER NOT AVAILABLE. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE BIRMINGHAM ALTIMETER SETTING AND INCREASE ALL DA/MDA 180 FEET AND INCREASE S-ILS 4 VISIBILITY 1/4 MILE AND S-LOC 4 CATS C/D AND CIRCLING CATS C/D VISIBILITY 1/2 MILE. CHANGE INOPERATIVE MALSR NOTE TO READ: FOR INOPERATIVE MALSR WHEN USING LOCAL ALTIMETER SETTING, INCREASE S-LOC 4 CAT C/D VISIBILITY TO 1 MILE. CHART NOTE: NIGHT LANDING: RWY 11, 29 NA. THIS IS ILS OR LOC RWY 4, AMDT 14E. 1408181308-PERM

FDC **4/4669** TCL IAP TUSCALOOSA RGNL, TUSCALOOSA, AL. VOR OR TACAN RWY 4, AMDT 11C... CHART NOTE: NIGHT LANDING: RWY 11, 29 NA. THIS IS VOR OR TACAN RWY 4, AMDT 11D. 1408181309-PERM

FDC **4/4672** TCL IAP TUSCALOOSA RGNL, TUSCALOOSA, AL. RNAV (GPS) RWY 22, AMDT 1... CHART NOTE: NIGHT LANDING: RWY 11, 29 NA. CHANGE HELICOPTER NOTE TO READ: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. THIS IS RNAV (GPS) RWY 22, AMDT 1A. 1408181310-PERM

FDC **4/4673** TCL IAP TUSCALOOSA RGNL, TUSCALOOSA, AL. RNAV (GPS) RWY 29, ORIG... LNAV MDA 900/HAT 730 ALL CATS. VISIBILITY CATS C/D 2. CIRCLING MDA 900/HAA 730 ALL CATS. VISIBILITY CAT C 2, CAT D 2 1/4. DELETE NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. DELETE NOTE: PROCEDURE NA AT NIGHT WHEN CONTROL TOWER CLOSED. CHART NOTE: NIGHT LANDING: RWY 11, 29 NA. CHANGE LOCAL ALTIMETER SETTING NOTE TO READ: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE BIRMINGHAM ALTIMETER SETTING AND INCREASE ALL MDAS 180 FEET, INCREASE LNAV CAT A/B VISIBILITY 1/4 MILE, CAT C/D VISIBILITY 1/2 MILE, CIRCLING CAT A/B VISIBILITY 1/4 MILE AND CAT C/D VISIBILITY 3/4 MILE. THIS IS RNAV (GPS) RWY 29, ORIG-A. 1408181312-PERM

FDC **4/4674** TCL IAP TUSCALOOSA RGNL, TUSCALOOSA, AL. RNAV (GPS) RWY 4, ORIG... LNAV MDA 680/HAT 521 ALL CATS, VIS CAT C 1. CHANGE MISSED APPROACH TO READ: CLIMB TO 2500 DIRECT NENMY THEN ON TRACK 125 TO OKW VORTAC AND HOLD. CHART VDP AT 1.5 NM TO RW04* *LNAV ONLY. CHART NOTE: NIGHT LANDING: RWY 11, 29 NA. CHANGE VISIBILITY REDUCTION BY HELICOPTER NOTE TO READ: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. THIS IS RNAV (GPS) RWY 4, ORIG-A. 1408181316-PERM

FDC **4/5667** 5B2 IAP SARATOGA COUNTY, SARATOGA SPRINGS, NY. RNAV (GPS) RWY 23, AMDT 1A... CHART NOTE: PROCEDURE NA AT NIGHT. CHANGE VISIBILITY REDUCTION BY HELICOPTERS NA NOTE TO READ: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. DELETE NOTE: VDP NA WHEN USING ALBANY ALTIMETER SETTING. DELETE VDP 34:1 IS NOT CLEAR. THIS IS RNAV (GPS) RWY 23, AMDT 1B. 1408201440-PERM

FDC **4/5668** 5B2 IAP SARATOGA COUNTY, SARATOGA SPRINGS, NY. VOR/DME A, AMDT 1A... CHART NOTE: NIGHT LANDING: RWY 5, 14, 32 NA. THIS IS VOR/DME A, AMDT 1B. 1408201440-PERM

FDC **4/5673** 5B2 IAP SARATOGA COUNTY, SARATOGA SPRINGS, NY. RNAV (GPS) RWY 5, AMDT 1B... CHART NOTE: NIGHT LANDING: RWY 5, 14, 32 NA. CHANGE VISIBILITY REDUCTION BY HELICOPTERS NA NOTE TO READ: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. DELETE NOTE: VDP NA WHEN USING ALBANY ALTIMETER SETTING. DELETE VDP CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT (VGSI ANGLE 3.55/TCH 49). CHART TDZE 434 DELETE THRE 434. 34:1 IS NOT CLEAR. THIS IS RNAV (GPS) RWY 5, AMDT 1C. 1408201512-PERM

FDC **4/5722** ORH IAP WORCESTER RGNL, WORCESTER, MA. ILS OR LOC RWY 29, AMDT 4B... S-LOC 29 MDA 1380/HAT 390 ALL CATS. CHANGE WHEN LOCAL ALTIMETER SETTING NOT RECEIVED NOTE TO READ: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE BEDFORD ALTIMETER SETTING AND INCREASE ALL DA 189 FEET AND ALL MDA 200 FEET; INCREASE S-ILS 29 ALL CATS VISIBILITY TO 1 1/4, INCREASE S-LOC 29 CATS C/D VISIBILITY TO 1 3/4, AND CIRCLING CAT B TO 1 1/4, \ CAT C TO 2 3/4. CHART VDP AT I-EKW 2.31 DME*. CHART DISTANCE VDP TO THLD 1.06 NM. THIS IS ILS OR LOC RWY 29, AMDT 4C. 1408201705-PERM

FDC **4/5842** MWH IAP GRANT CO INTL, MOSES LAKE, WA. VOR RWY 22, AMDT 5B... S-22 HAT 594 ALL CATS. THIS IS VOR RWY 22, AMDT 5C. 1408211041-PERM

FDC **4/5860** 36U IAP HEBER CITY MUNI - RUSS MCDONALD FIELD, HEBER, UT. RNAV (GPS) A, AMDT 2... CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. CHART NOTE: NIGHT LANDING: RWY 4 NA, DELETE NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. DELETE NOTE: WHEN VGSI INOP, CIRCLING RWY 22 NA AT NIGHT. DELETE NOTE: CIRCLING NA AT NIGHT TO RWY 4. THIS IS RNAV (GPS) A, AMDT 2A. 1408211057-PERM

FDC **4/6163** IMM IAP IMMOKALEE RGNL, IMMOKALEE, FL. RNAV (GPS) RWY 36, ORIG-B... CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT. THIS IS RNAV (GPS) RWY 36, ORIG-C. 1408211358-PERM

FDC **4/6177** ELM IAP ELMIRA/CORNING RGNL, ELMIRA/CORNING, NY. RNAV (GPS) RWY 28, AMDT 3A... DELETE: ZIGAN TO RW28 3.07/40. CHART: FIDON TO RW28: 3.11/40. THIS IS RNAV (GPS) RWY 28, AMDT 3B. 1408211412-PERM

FDC **4/6231** ASJ IAP TRI-COUNTY, AHOSKIE, NC. VOR/DME OR GPS A, AMDT 5A... CIRCLING HAA ALL CATS 653. THIS IS VOR/DME OR GPS A, AMDT 5B. 1408211452-PERM

FDC **4/6884** FFT IAP CAPITAL CITY, FRANKFORT, KY. VOR RWY 25, AMDT 3... S-25 HAT 650. DELETE NOTE: PROCEDURE NA AT NIGHT. CHART TDZE 790 DELETE THRE 783. THIS IS VOR RWY 25, AMDT 3A. 1408221250-PERM

FDC **4/6885** FFT IAP CAPITAL CITY, FRANKFORT, KY. RNAV (GPS) RWY 7, AMDT 2A... DELETE NOTE: WHEN RWY 7 VGSI INOPERATIVE, STRAIGHT-IN AND CIRCLING MINIMUMS NA AT NIGHT. CHANGE HELICOPTER VISIBILITY REDUCTION NOTE TO READ: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. CHART TDZE 812 DELETE THRE 812. THIS IS RNAV (GPS) RWY 7, AMDT 2B. 1408221250-PERM

FDC **4/6887** FFT IAP CAPITAL CITY, FRANKFORT, KY. LOC RWY 25, AMDT 3A... S-25 HAT 490. CHART TDZE 790 DELETE THRE 783. DELETE NOTE: CIRCLING TO RWY 7 NA AT NIGHT. THIS IS LOC RWY 25, AMDT 3B. 1408221250-PERM

FDC **4/6954** 1S3 IAP TILLITT FIELD, FORSYTH, MT. RNAV (GPS) RWY 26, ORIG-C... DELETE NOTE: WHEN VGSI INOP, PROCEDURE NA AT NIGHT. THIS IS RNAV (GPS) RWY 26, ORIG-D. 1408221345-PERM

FDC **4/6955** 1S3 IAP TILLITT FIELD, FORSYTH, MT. NDB RWY 26, AMDT 3B... DELETE NOTE: WHEN VGSI INOP, PROCEDURE NA AT NIGHT. THIS IS NDB RWY 26, AMDT 3C. 1408221345-PERM

FDC **4/6995** TRM IAP JACQUELINE COCHRAN RGNL, PALM SPRINGS, CA. VOR/DME RWY 30, AMDT 1... CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT. THIS IS VOR/DME RWY 30, AMDT 1A. 1408221458-PERM

FDC **4/6997** TRM IAP JACQUELINE COCHRAN RGNL, PALM SPRINGS, CA. RNAV (GPS) RWY 30, ORIG... CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL AT SHADI ON V64 EASTBOUND AND ON V460 NORTHEAST BOUND. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL AT KARRO ON V460 SOUTHWEST BOUND. DELETE NOTE: GPS OR RNP-0.3 REQUIRED. CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT. THIS IS RNAV (GPS) RWY 30, ORIG-A. 1408221458-PERM

FDC **4/6998** TRM IAP JACQUELINE COCHRAN RGNL, PALM SPRINGS, CA. RNAV (GPS) RWY 35, ORIG... CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL AT SHADI ON V460 NORTHEAST BOUND. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL AT KARRO ON V460 SOUTHWEST BOUND. DELETE NOTE: GPS OR RNP-0.3 REQUIRED. CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT. THIS IS RNAV (GPS) RWY 35, ORIG-A. 1408221458-PERM

FDC **4/7173** DAB IAP DAYTONA BEACH INTL, DAYTONA BEACH, FL. RADAR-1, AMDT 8C... DELETE NOTE: RWY 34 STRAIGHT-IN AND CIRCLING AND CIRCLING TO RWY 7R/25L/7L/25R NA AT NIGHT. DELETE NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. CHART NOTE: RWY 16 AND RWY 34 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. THIS IS RADAR-1, AMDT 8D. 1408221730-PERM

FDC **4/7232** DAN IAP DANVILLE RGNL, DANVILLE, VA. VOR RWY 20, AMDT 2... DELETE NOTE: CIRCLING NA AT NIGHT TO RWY 31. THIS IS VOR RWY 20, AMDT 2A. 1408221814-PERM

FDC **4/7239** DAN IAP DANVILLE RGNL, DANVILLE, VA. ILS OR LOC RWY 2, AMDT 4A... DELETE NOTE: CIRCLING NA AT NIGHT TO RWY 31. THIS IS ILS OR LOC RWY 2, AMDT 4B. 1408221814-PERM

FDC **4/7242** DAN IAP DANVILLE RGNL, DANVILLE, VA. RNAV (GPS) RWY 20, ORIG-A... DELETE NOTE: CIRCLING NA AT NIGHT TO RWY 31. THIS IS RNAV (GPS) RWY 20, ORIG-B. 1408221814-PERM

FDC **4/7243** DAN IAP DANVILLE RGNL, DANVILLE, VA. VOR RWY 2, AMDT 14... DELETE NOTE: CIRCLING NA AT NIGHT TO RWY 31. THIS IS VOR RWY 2, AMDT 14A. 1408221814-PERM

FDC **4/7244** DAN IAP DANVILLE RGNL, DANVILLE, VA. RNAV (GPS) RWY 2, ORIG... DELETE NOTE: CIRCLING NA AT NIGHT TO RWY 31. THIS IS RNAV (GPS) RWY 2, ORIG-A. 1408221814-PERM

FDC **4/7880** IDP IAP INDEPENDENCE MUNI, INDEPENDENCE, KS. ILS OR LOC RWY 35, AMDT 1B... S-ILS 35 DA 1021. S-LOC 35 HAT 379. CHART TDZE 821. DELETE THRE 819. DELETE NOTE: INOPERATIVE TABLE DOES NOT APPLY TO S-ILS 35 AND S-LOC 35 CAT A AND B. THIS IS ILS OR LOC RWY 35, AMDT 1C. 1408251916-PERM

FDC **4/9288** PUW IAP PULLMAN/MOSCOW RGNL, PULLMAN/MOSCOW, ID, WA. RNAV (GPS) Y RWY 6, AMDT 2B... DELETE NOTE: WHEN VGSI INOP, CIRCLING RWY 24 NA AT NIGHT. THIS IS RNAV (GPS) Y RWY 6, AMDT 2C. 1408281929-PERM

FDC **4/9292** PUW IAP PULLMAN/MOSCOW RGNL, PULLMAN/MOSCOW, ID, WA. RNAV (GPS) RWY 24, AMDT 1A... DELETE NOTE: PROCEDURE NA AT NIGHT THIS IS RNAV (GPS) RWY 24, AMDT 1B. 1408281929-PERM

FDC **4/9294** PUW IAP PULLMAN/MOSCOW RGNL, PULLMAN/MOSCOW, ID, WA. RNAV (RNP) Z RWY 6, ORIG... DELETE NOTE: PROCEDURE NA AT NIGHT. THIS IS RNAV (RNP) Z RWY 6, ORIG-A. 1408281930-PERM

FDC **4/9299** PUW IAP PULLMAN/MOSCOW RGNL, PULLMAN/MOSCOW, ID, WA. VOR RWY 6, AMDT 9... DELETE NOTE: WHEN VGSI INOP, CIRCLING RWY 24 NA AT NIGHT. DELETE NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NA. THIS IS VOR RWY 6, AMDT 9A. 1408281928-PERM