

U.S. Department
of Transportation

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

**Federal Aviation
Administration**

Transmittal Letter 17-08

February 24, 2017

**PREPARED BY THE AERONAUTICAL INFORMATION GROUP, AJV-53
(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 17-07 on
February 10, 2017.**

Newport, OR, Newport Muni, ILS OR LOC RWY 16, Amdt 2A

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: ONP VORTAC 0.69 DME					
ONP VORTAC		BUHRS/ONP VORTAC 6.63 DME		343.05 / 6.63				3100		CLIMB TO 1000 THEN CLIMBING RIGHT TURN TO 3000 ON HEADING 020 AND ON ONP VORTAC R-343 TO BUHRS/6.63 DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3000.					
LANKE/ONP VORTAC 16.00 DME CCW (IAF)		BOILR/ONP VORTAC 16.00 DME (NOPT)		16.00 DME ARC (ONP LR-350)				4000							
CUTEL/ONP VORTAC 20.00 DME (IAF)		BOILR/ONP VORTAC 16.00 DME (NOPT)		220.00 / 2.86 (HDG) & 162.32 / 2.31 (I-ONP)				2600							
BOILR/ONP VORTAC 16.00 DME (IF)		BUHRS/ONP VORTAC 6.63 DME		162.32 / 9.37 (I-ONP)				2100							
THIS IS A CORRECTED COPY OF A PROCEDURE ORIGINALLY PUBLISHED IN TL 17-07.										ADDITIONAL FLIGHT DATA:  HOLD N, RT, 162.32 INBOUND. FAS OBST: 400 AAO 443902N/1240327W CHART VDP AT 2.12 DME* DISTANCE VDP TO THLD 1.43 NM. *LOC ONLY. CHART ONP R-029 AT LANKE. CHART CIRCLING ICON. CHART PLANVIEW NOTE: DME REQUIRED.					
1. PT <u>L</u> SIDE OF COURSE <u>342.32</u> OUTBOUND <u>2600</u> FT WITHIN <u>10</u> MILES OF <u>BUHRS</u> (IAF)										MAG VAR: 15E EPOCH YEAR: 2020					
2. _____															
3. FAC: <u>162.32</u> FAF: <u>BUHRS/ONP VORTAC 6.63 DME</u> DIST FAF TO MAP: _____ THLD: <u>5.94</u>															
4. MIN. ALT: <u>BUHRS 2100, WUKON/ONP VORTAC 4.69 DME 1480*</u>															
5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: <u>1125</u>															
6. MIN GS INCPT: <u>2100</u> GS ALT AT: <u>BUHRS 2100</u> OM: _____ MM: _____ IM: _____															
7. GS ANGLE: <u>3.00</u> TCH: <u>55.3</u>															
8. MSA FROM: <u>ONP VORTAC 010-190 5300, 190-280 2000, 280-010 4600</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
S-ILS 16	402	3/4	250	402	3/4	250	402	3/4	250	402	3/4	250			
S-LOC 16	660	3/4	508	660	3/4	508	660	1	508	660	1	508			
CIRCLING	880	1	720	1000	1 1/4	840	1400	3	1240	1600	3	1440			
NOTES: CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO S-ILS RWY 16, ALL CATS. CHART NOTE: DME REQUIRED. CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}). CHART NOTE: VDP NA WHEN USING TILLAMOOK ALTIMETER SETTING. (CONTINUED ON PAGE 2)															
CITY AND STATE NEWPORT, OR		ELEVATION: 160 TDZE: 152 AIRPORT NAME: NEWPORT MUNI		FACILITY IDENTIFIER: I-ONP		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 16, AMDT 2A 30 MARCH 2017						SUP: AMDT: 2 DATED 07/21/2016			



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: RWY 16 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE TILLAMOOK ALTIMETER SETTING;
INCREASE DA TO 537 FEET AND ALL MDA 140 FEET; INCREASE S-LOC 16 CAT C/D VISIBILITY 3/8 MILE AND
INCREASE CIRCLING CAT B VISIBILITY 1/4 MILE.
CHART NOTE: FOR INOPERATIVE MALSR, INCREASE S-LOC 16 CAT A/B VISIBILITY TO 1 MILE AND CAT C/D
VISIBILITY TO 1 3/8 MILE.
CHART NOTE: FOR INOPERATIVE MALSR WHEN USING TILLAMOOK ALTIMETER SETTING, INCREASE S-ILS 16 ALL
CATS VISIBILITY TO 1 1/4 MILE AND INCREASE S-LOC 16 CAT A/B VISIBILITY TO 1 MILE.
CHART NOTE: DME FROM ONP VORTAC. SIMULTANEOUS RECEPTION OF I-ONP AND ONP DME REQUIRED.

CITY AND STATE NEWPORT, OR	ELEVATION: 160 AIRPORT NAME: NEWPORT MUNI	TDZE: 152	FACILITY IDENTIFIER: I-ONP	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 16, AMDT 2A 30 MARCH 2017	SUP:
					AMDT: 2
					DATED: 07/21/2016



[4910-13]

DEPARTMENT OF TRANSPORTATION

Federal Aviation Administration

14 CFR Part 97

[Docket No. [31123](#); Amdt. No. [3737](#)]

**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 removes Standard Instrument Approach Procedures (SIAPs) and associated Takeoff Minimums and Obstacle Departure Procedures (ODPs) 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 PUBLICATION IN THE FEDERAL REGISTER].

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

For Examination

1. U.S. Department of Transportation, Docket Ops-M30, 1200 New Jersey Avenue SE, West Bldg., Ground Floor, Washington, D.C., 20590-0001.

2. The FAA Air Traffic Organization Service Area in which the affected airport is located;

3. The office of Aeronautical Navigation Products, 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 the National Flight Data Center at nfdc.faa.gov to register. Additionally, individual SIAP and Takeoff Minimums and ODP copies may be obtained from the FAA Air Traffic Organization Service Area in which the affected airport is located.

FOR FURTHER INFORMATION CONTACT: Thomas J. Nichols, 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 removes SIAPS, Takeoff Minimums and/or ODPS. The complete regulatory 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, their complex nature, and the need for a special format make publication in the **Federal Register** expensive and impractical. Further, airmen do not use the regulatory text of the SIAPs, Takeoff Minimums or ODPs, but instead 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, Takeoff Minimums and ODP listed on FAA form documents is unnecessary. This amendment provides the affected CFR sections and specifies the types of SIAPs, Takeoff Minimums and ODPs with their applicable effective dates. This amendment also identifies the airport and its location, the procedure, and the amendment number.

Availability and Summary of Material Incorporated by Reference

The material incorporated by reference is publicly available as listed in the ADDRESSES section.

The material incorporated by reference describes SIAPS, Takeoff Minimums and/or ODPS as identified in the amendatory language for part 97 of this final rule.

The Rule

This amendment to 14 CFR part 97 is effective upon publication of each separate SIAP, Takeoff Minimums and ODP as Amended 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 that 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 procedure under 5 U.S.C. 553(b) are impracticable and contrary to the public interest and, where applicable, under 5 U.S.C 553(d), good cause exists for making some SIAPs effective in less than 30 days.

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,
Navigation (Air).

Issued in Washington, DC on [FEBRUARY 24, 2017](#)

A handwritten signature in black ink, appearing to read "John S. Duncan", with a stylized, flowing script.

John S. 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 removing Standard Instrument Approach Procedures and/or Takeoff Minimums and Obstacle Departure 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(f), 106(g), 40103, 40106, 40113, 40114, 40120, 44502, 44514, 44701, 44719, 44721-44722.

2. Part 97 is amended to read as follows:

Effective 30 March 2017

Miami, FL Miami Intl, ILS OR LOC RWY 9, Amdt 10A
 Titusville, FL, Space Coast Rgnl, RNAV (GPS) RWY 9, Amdt 1A
 Tecumseh, MI, Meyers-Diver's, Takeoff Minimums and Obstacle DP, Amdt 2, CANCELED
 Tecumseh, MI, Meyers-Diver's, VOR OR GPS-A, Amdt 7A, CANCELED
 Troy, MI, Oakland/Troy, VOR-A, Amdt 4, CANCELED
 Lebanon, MO, Floyd W. Jones Lebanon, SDF RWY 36, Amdt 5C, CANCELED
 Tekamah, NE, Tekamah Muni, RNAV (GPS) RWY 15, Amdt 1
 Tekamah, NE, Tekamah Muni, RNAV (GPS) RWY 33, Amdt 1
 Tekamah, NE, Tekamah Muni, Takeoff Minimums and Obstacle DP, Amdt 3
 New York, NY, Downtown Manhattan/Wall ST, Takeoff Minimums and Obstacle DP, Orig
 New York, NY, East 34TH Street, Takeoff Minimums and Obstacle DP, Orig
 New York, NY, John F Kennedy Intl, ILS OR LOC RWY 13L, ILS RWY 13L (CAT II), Amdt 18
 Kenbridge, VA, Lunenburg County, RNAV (GPS) RWY 2, Orig, CANCELED
 Kenbridge, VA, Lunenburg County, RNAV (GPS) RWY 20, Orig, CANCELED
 Berkeley Springs, WV, Potomac Airpark, RNAV (GPS) RWY 11, Amdt 1
 Berkeley Springs, WV, Potomac Airpark, RNAV (GPS) RWY 29, Amdt 1

Effective 27 April 2017

Fayetteville, AR, Drake Field, LOC RWY 16, Orig
 Fayetteville, AR, Drake Field, LOC-C, Orig, CANCELED
 Grand Canyon, AZ, Grand Canyon National Park, ILS OR LOC RWY 3, Amdt 1
 Grand Canyon, AZ, Grand Canyon National Park, RNAV (GPS) RWY 3, Amdt 1
 Grand Canyon, AZ, Grand Canyon National Park, VOR RWY 3, Amdt 6
 Los Angeles, CA, Los Angeles Intl, ILS OR LOC RWY 6L, Amdt 14
 Los Angeles, CA, Los Angeles Intl, ILS OR LOC RWY 7R, Amdt 8
 Ontario, CA, Ontario Intl, RNAV (GPS) Y RWY 8R, Amdt 2
 Ontario, CA, Ontario Intl, RNAV (RNP) Z RWY 8L, Amdt 1
 Ontario, CA, Ontario Intl, RNAV (RNP) Z RWY 8R, Orig
 Ontario, CA, Ontario Intl, RNAV (RNP) Z RWY 26L, Amdt 1
 Ontario, CA, Ontario Intl, RNAV (RNP) Z RWY 26R, Amdt 1
 San Carlos, CA, San Carlos, RNAV (GPS) Y RWY 30, Orig-B
 San Carlos, CA, San Carlos, RNAV (GPS) Z RWY 30, Amdt 1B
 Jacksonville, FL, Jacksonville Intl, RNAV (GPS) Z RWY 8, Amdt 2A
 Leesburg, FL, Leesburg Intl, NDB RWY 31, Amdt 2A, CANCELED
 Pohnpei Island, FM, Pohnpei Intl, NDB-A, Orig
 Pohnpei Island, FM, Pohnpei Intl, NDB/DME OR GPS-A, Amdt 1B, CANCELED
 Pohnpei Island, FM, Pohnpei Intl, RNAV (GPS) RWY 27, Amdt 2
 Pohnpei Island, FM, Pohnpei Intl, RNAV (GPS) X RWY 9, Amdt 1

Pohnpei Island, FM, Pohnpei Intl, RNAV (RNP) Y RWY 9, Amdt 2
 Pohnpei Island, FM, Pohnpei Intl, RNAV (RNP) Z RWY 9, Amdt 2
 Pohnpei Island, FM, Pohnpei Intl, Takeoff Minimums and Obstacle DP, Amdt 3
 Augusta, GA, Daniel Field, RADAR-1, Amdt 7C, CANCELED
 Honolulu, HI, Daniel K. Inouye Intl, ILS RWY 8L, Amdt 23
 Honolulu, HI, Daniel K. Inouye Intl, ILS Y RWY 4R, Amdt 1C
 Honolulu, HI, Daniel K. Inouye Intl, ILS Z RWY 4R, Amdt 1B
 Honolulu, HI, Daniel K. Inouye Intl, LDA RWY 26L, Amdt 5B
 Honolulu, HI, Daniel K. Inouye Intl, LOC RWY 4R, Amdt 1B
 Honolulu, HI, Daniel K. Inouye Intl, LOC RWY 8L, Amdt 1
 Honolulu, HI, Daniel K. Inouye Intl, RNAV (GPS) RWY 4L, Orig-A
 Honolulu, HI, Daniel K. Inouye Intl, RNAV (GPS) RWY 8R, Orig-A
 Honolulu, HI, Daniel K. Inouye Intl, RNAV (GPS) Y RWY 4R, Amdt 2B
 Honolulu, HI, Daniel K. Inouye Intl, RNAV (GPS) Y RWY 8L, Amdt 2
 Honolulu, HI, Daniel K. Inouye Intl, RNAV (RNP) RWY 26L, Orig-D
 Honolulu, HI, Daniel K. Inouye Intl, RNAV (RNP) Z RWY 4R, Amdt 1B
 Honolulu, HI, Daniel K. Inouye Intl, RNAV (RNP) Z RWY 8L, Amdt 2
 Honolulu, HI, Daniel K. Inouye Intl, VOR OR TACAN RWY 4R, Orig-C
 Honolulu, HI, Daniel K. Inouye Intl, VOR OR TACAN-A, Amdt 1B
 Honolulu, HI, Daniel K. Inouye Intl, VOR OR TACAN-B, Amdt 2B
 Spencer, IA, Spencer Muni, NDB RWY 30, Amdt 9A, CANCELED
 Grayslake, IL, Campbell, VOR-A, Orig-B, CANCELED
 Greenwood/Wonder Lake, IL, Galt Field, VOR-A, Amdt 10, CANCELED
 Frankfort, IN, Frankfort Muni, NDB RWY 9, Amdt 3B, CANCELED
 Lowell, IN, Lowell, Takeoff Minimums and Obstacle DP, Orig, CANCELED
 Lowell, IN, Lowell, VOR OR GPS-A, Orig-A, CANCELED
 Jetmore, KS, Jetmore Muni, RNAV (GPS) RWY 17, Orig
 Jetmore, KS, Jetmore Muni, RNAV (GPS) RWY 35, Orig
 Jetmore, KS, Jetmore Muni, Takeoff Minimums and Obstacle DP, Orig
 Grand Ledge, MI, Abrams Muni, VOR OR GPS-A, Amdt 5A, CANCELED
 Lansing, MI, Capital Region Intl, VOR RWY 6, Amdt 25, CANCELED
 Corinth, MS, Roscoe Turner, ILS OR LOC RWY 18, Amdt 3
 Elizabeth City, NC, Elizabeth City CG Air Station/Rgnl, VOR/DME RWY 1, Amdt 12, CANCELED
 Silver Springs, NV, Silver Springs, RNAV (GPS) RWY 24, Orig
 Silver Springs, NV, Silver Springs, Takeoff Minimums and Obstacle DP, Orig
 Dayton, OH, James M Cox Dayton Intl, Takeoff Minimums and Obstacle DP, Amdt 4
 Aurora, OR, Aurora State, LOC RWY 17, Amdt 2
 Aurora, OR, Aurora State, RNAV (GPS) RWY 17, Amdt 1
 Aurora, OR, Aurora State, RNAV (GPS) RWY 35, Amdt 1
 Aurora, OR, Aurora State, RNAV (GPS)-B, Orig-B, CANCELED
 Aurora, OR, Aurora State, VOR/DME-A, Amdt 3B, CANCELED
 Salem, OR, McNary Fld, ILS OR LOC Z RWY 31, Amdt 31
 Salem, OR, McNary Fld, LOC BC RWY 13, Amdt 9
 Salem, OR, McNary Fld, LOC Y RWY 31, Amdt 4
 Salem, OR, McNary Fld, Takeoff Minimums and Obstacle DP, Amdt 9

Camden, TN, Benton County, VOR/DME RWY 4, Amdt 4A, CANCELED
Savannah, TN, Savannah-Hardin County, VOR/DME RWY 19, Amdt 5C, CANCELED
Selmer, TN, Robert Sibley, VOR/DME-A, ORIG, CANCELED
Pampa, TX, Perry Lefors Field, NDB RWY 17, Amdt 5A, CANCELED
South Hill, VA, Mecklenburg-Brunswick Rgnl, LOC RWY 1, Amdt 1
South Hill, VA, Mecklenburg-Brunswick Rgnl, RNAV (GPS) RWY 1, Amdt 1
South Hill, VA, Mecklenburg-Brunswick Rgnl, RNAV (GPS) RWY 19, Amdt 1
Kenosha, WI, Kenosha Rgnl, VOR RWY 25R, Amdt 1, CANCELED
Waupaca, WI, Waupaca Muni, NDB RWY 31, Orig, CANCELED
Waupaca, WI, Waupaca Muni, RNAV (GPS) RWY 10, Amdt 2
Waupaca, WI, Waupaca Muni, RNAV (GPS) RWY 28, Amdt 2

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: 3.99 NM AFTER INESS OM/I-BUL 6.12 DME/RADAR OR AT I-BUL 2.13 DME CLIMB TO 800 THEN CLIMBING RIGHT TURN TO 3000 DIRECT VKZ VOR/DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3000. ALTERNATE MA (DO NOT CHART): CLIMB TO 800 THEN CLIMBING RIGHT TURN TO 3000 ON DHP VORTAC R-109 TO ZOMGU/DHP 10.90 DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3000. (DME REQUIRED). ADDITIONAL FLIGHT DATA: HOLD SE, LT, 300.00 INBOUND. CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD E ZOMGU/DHP 10.90 DME, LT, 289.22 INBOUND. FAS OBST: 214 AAO 254700N/0802233W CHART 271 TOWER 254623N/0802513W. CHART VDP AT 3.38 DME* DISTANCE VDP TO THLD 1.25 NM. *LOC ONLY. CHART IN PLANVIEW: ZOMGU/DHP 10.90 DME. CHART PLANVIEW NOTE: RADAR REQUIRED.						
GRITT/I-BUL 11.11 DME/RADAR (IF)		INESS OM/I-BUL 6.12 DME/RADAR		092.38 / 4.99 (I-BUL)				1500								
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. PROFILE STARTS AT GRITT 3. FAC: 092.38 FAF: INESS OM/I-BUL 6.12 DME/RADAR DIST FAF TO MAP: 3.99 THLD: 3.99 4. MIN. ALT: GRITT 3000, INESS OM 1500 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: 1071 6. MIN GS INCPT: 1500 GS ALT AT: _____ OM: 1347 MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 56.0 8. MSA FROM: DHP VORTAC 090-270 2900, 270-090 2100										MAG VAR: 5W EPOCH YEAR: 2000						
MINIMUMS																
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE: N A												
CATEGORY =====>		A		B		C		D		E						
		DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
S-ILS 09**		207	2400	200	207	2400	200	207	2400	200	207	2400	200	207	2400	200
S-LOC 09		480	2400	473	480	2400	473	480	5000	473	480	5000	473	480	5000	473
NOTES: CHART NOTE: **RVR 1800 AUTHORIZED WITH USE OF FD OR AP OR HUD TO DA. CHART NOTE: AUTOPILOT COUPLED APPROACH NA. CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}). CHART PLANVIEW NOTE: CAUTION: LIGHTS ON HIGHWAY 1/4 MILE SOUTH OF FINAL APPROACH COURSE MAY BE (CONTINUED ON PAGE 2)																
CITY AND STATE MIAMI, FL		ELEVATION: 9 AIRPORT NAME: MIAMI INTL		TDZE: 7		FACILITY IDENTIFIER: I-BUL		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 9, AMDT 10A 30 MARCH 2017				SUP: AMDT: 10 DATED 09/15/2016				

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

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NOTES, (CONT.):
MISTAKEN FOR RUNWAY.
CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED.
CHART NOTE: FOR INOPERATIVE ALS, INCREASE S-ILS 9 CAT E VISIBILITY TO RVR 4000 AND S-LOC 9 CAT C/D/E VISIBILITY TO 1 3/8 SM.

CITY AND STATE MIAMI, FL	ELEVATION: 9 AIRPORT NAME: MIAMI INTL	TDZE: 7	FACILITY IDENTIFIER: I-BUL	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 9, AMDT 10A 30 MARCH 2017	SUP:	QUALITY 24
					AMDT:	CHECKED 10
					DATED:	09/15/2016

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: RW09 CLIMB TO 800 THEN CLIMBING RIGHT TURN TO 2800 DIRECT CUJEN AND HOLD. ADDITIONAL FLIGHT DATA: HOLD SW, RT, 049.97 INBOUND. CHART FAS OBST: 185 TOWER 283132N/0804856W CHART R-2934. DISTANCE TO THLD FROM 260 HAT: 0.61 NM. CHART VDP AT 1.07 NM TO RW09* *LNAV ONLY. WAAS CHANNEL # 86536 REFERENCE PATH ID: W09A CHART CIRCLING ICON. LTP HAE: -18.2 M							
OVIDO		BINYY (TF) (FB) (RNP 2.00)		157.78 / 7.72				2800									
PRESK		CUJEN (TF) (FB) (RNP 2.00)		028.11 / 7.60				2800									
BINYY (IAF)		OMLOF (TF) (FB) (RNP 1.00)		138.97 / 5.00				2800									
CUJEN (IAF)		OMLOF (TF) (FB) (RNP 1.00)		049.97 / 5.00				2800									
OMLOF (IF)		TUNPY (TF) (FB) (RNP 1.00)		094.03 / 6.20				1600									
(SEE FORM 8260-10)																	
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. PROFILE STARTS AT OMLOF 3. FAC: 094.09 FAF: TUNPY DIST FAF TO MAP: 4.58 THLD: 4.58 4. MIN. ALT: OMLOF 2800, TUNPY 1600, ZUGAX/1.70 NM TO RW09 640* 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 1600 GS ALT AT: TUNPY 1600 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.10 TCH: 60.0 34:1 IS NOT CLEAR 8. MSA FROM: RW09 3000										MAG VAR: 5W EPOCH YEAR: 2000							
MINIMUMS																	
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT										ALTERNATE: N A		STANDARD @					
CATEGORY =====>		A		B		C		D		E							
		DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	
LPV DA		292	3/4	260	292	3/4	260	292	3/4	260	292	3/4	260				
LNAV/VNAV DA		347	1	315	347	1	315	347	1	315	347	1	315				
LNAV MDA		420	1	388	420	1	388	420	1 1/8	388	420	1 1/8	388				
CIRCLING		640	1	606	640	1	606	640	1 3/4	606	640	2	606				
NOTES: CHART NOTE: DME/DME RNP-0.3 NA. CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}). CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 46C (115F). (CONTINUED ON PAGE 2)																	
CITY AND STATE TITUSVILLE, FL		ELEVATION: 34 TDZE: 32 AIRPORT NAME: SPACE COAST RGNL		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 9, AMDT 1A 30 MARCH 2017						SUP: AMDT: 1 DATED 05/29/2014					



US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

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

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

TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
TUNPY (FAF)	ZUGAX/1.70 NM TO RW09 (TF) (FB) (RNP 0.30)	094.09 / 2.88	
ZUGAX/1.70 NM TO RW09	RW09 (MAP) (TF) (FO) (RNP 0.30)	094.09 / 1.70	
RW09 (MAP)	800 MSL	094.09	800
800 MSL	CUJEN (DF) (FO) (RNP 1.00)		2800

NOTES, (CONT.):

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE MELBOURNE ALTIMETER SETTING AND INCREASE ALL LPV DA TO 352 FEET, INCREASE ALL LNAV/VNAV DA TO 407 FEET AND ALL VISIBILITIES 1/4 SM; INCREASE ALL LNAV MDAS 60 FEET AND CAT C AND D VISIBILITY 1/4 SM.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT PRESK ON V159-537 SOUTHEAST BOUND AND ARRIVALS AT OVIDO ON V437 AND V51 NORTHWEST BOUND.

CHART NOTE: RWY 9 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.

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

QUALITY
19
CHECKED

CITY AND STATE

TITUSVILLE, FL

ELEVATION: 34

TDZE: 32

AIRPORT NAME:

SPACE COAST RGNL

 FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 9, AMDT 1A

30 MARCH 2017

SUP:

AMDT: 1

DATED: 05/29/2014

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

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

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

OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KTIX
RUNWAY	RW09
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W09A
LTP/FTP LATITUDE	283054.1865N
LTP/FTP LONGITUDE	0804838.4135W
LTP/FTP ELLIPSOIDAL HEIGHT	-00182
FPAP LATITUDE	283055.5335N
FPAP LONGITUDE	0804657.2845W
THRESHOLD CROSSING HEIGHT (TCH)	00060.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.10
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1224
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER

D615313B

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+00098
FPAP ORTHOMETRIC HEIGHT	+00098

QUALITY
19
CHECKED

CITY AND STATE

TITUSVILLE, FL

ELEVATION: 34

TDZE: 32

AIRPORT NAME:

SPACE COAST RGNL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 9, AMDT 1A

30 MARCH 2017

SUP:

AMDT:

1

DATED:

05/29/2014

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)
TITLE 14 CFR PART 97.37**

Bearings, headings, courses, tracks and radials are magnetic. Elevations 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.

<u>CITY, STATE</u>	<u>AIRPORT</u>	<u>EFFECTIVE DATE</u>	<u>AMDT NO</u>
TECUMSEH, MI	MEYERS-DIVER'S	01/04/1996	2

TAKEOFF MINIMUMS:

Procedure Canceled Effective 30 MARCH 2017

TEXTUAL DEPARTURE PROCEDURES:

VISUAL CLIMB OVER AIRPORT:

TAKEOFF OBSTACLE NOTES:

CONTROLLING OBSTACLES:

REMARKS:

FLIGHT INSPECTED BY:

OFFICE SYMBOL:

DATE:

DEVELOPED BY:

THOMAS L. KIRKPATRICK

THOMAS L KIRKPATRICK II
Digitally signed by THOMAS L KIRKPATRICK II
Date: 2017.01.27 08:32:15 -06'00'

OFFICE SYMBOL:

AJV-5423

DATE:

01/27/2017

APPROVED BY:

JULIE MORGAN

Digitally signed by

DANIEL D OLSON

Jan 30, 2017

OFFICE SYMBOL:

AJV-5420

DATE:

REQUIRED EFFECTIVE DATE:

COORDINATED WITH:

<u>A4A</u>	<u>ALPA</u>	<u>AOPA</u>	<u>APA</u>	<u>HAI</u>	<u>NBAA</u>
☐	☐	☒	☐	☐	☒

OTHER:

ZOB, DTW ATCT, AMGR, MI DOT

CHANGES - REASONS:

RAPT RECOMMENDS TO CANCEL IFR SERVICE DUE TO AIRPORT INFRASTRUCTURE

QUALITY
4
CHECKED

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION VOR OR GPS 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 =====>																			
		MDA	VIS			MDA	VIS			MDA	VIS			MDA	VIS				
NOTES:																			
PROCEDURE CANCELED EFFECTIVE 30 MARCH 2017																			
CITY AND STATE TECUMSEH, MI				ELEVATION: 815 TDZE: AIRPORT NAME: MEYERS-DIVER'S				FACILITY IDENTIFIER: CRL				PROCEDURE NO./AMD'T NO./EFFECTIVE DATE: VOR OR GPS-A, AMDT 7A, 05/06/2010				SUP AMD'T DATE			
																10/27/2005			

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION SDF 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									
										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 =====>																			
		MDA	VIS			MDA	VIS			MDA	VIS			MDA	VIS				
NOTES:																			
PROCEDURE CANCELED EFFECTIVE 30 MARCH 2017																			
CITY AND STATE LEBANON, MO				ELEVATION: 1321 TDZE: 1321 AIRPORT NAME: FLOYD W. JONES LEBANON				FACILITY IDENTIFIER: LBO		PROCEDURE NO./AMD'T NO./EFFECTIVE DATE: SDF RWY 36, AMDT 5C, 07/24/2014				SUP AMD'T DATE					
														4 5B 06/05/2008					

RNAV - STANDARD US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION						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: RW15 CLIMB TO 3000 DIRECT BRAVA AND HOLD. ADDITIONAL FLIGHT DATA: HOLD SE, RT, 330.62 INBOUND. CHART FAS OBST: 1114 TREE 414640N/0961205W 1230 AAO 414903N/0961251W DISTANCE TO THLD FROM 250 HAT: 0.66 NM. CHART VDP AT 0.98 NM TO RW15* *LNAV ONLY. WAAS CHANNEL # 42540 REFERENCE PATH ID: W15A CHART CIRCLING ICON. LTP HAE: 285.6 M											
GOCRE (IF/IAF)				HIGVA (TF) (FB) (RNP 1.00)				150.46 / 6.00				2900													
HIGVA (FAF)				ZAPLI/3.00 NM TO RW15 (TF) (FB) (RNP 0.30)				150.50 / 2.76																	
ZAPLI/3.00 NM TO RW15				RW15 (MAP) (TF) (FO) (RNP 0.30)				150.50 / 3.00																	
RW15 (MAP)				1277 MSL				150.50				3000													
1277 MSL				BRAVA (DF) (FO) (RNP 1.00)																					
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD NW GOCRE, RT, 150.46 INBOUND, 3400 FT. IN LIEU OF PT (IAF) 3. FAC: 150.50 FAF: HIGVA DIST FAF TO MAP: 5.76 THLD: 5.76 4. MIN. ALT: GOCRE 3400, HIGVA 2900, ZAPLI/3.00 NM TO RW15 2020* 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 2900 GS ALT AT: HIGVA 2900 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 40.0 34:1 IS CLEAR 8. MSA FROM: _____																MAG VAR: 3E EPOCH YEAR: 2020									
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	1277	7/8	250	1277	7/8	250	1277	7/8	250		NA														
LNAV/VNAV DA	1284	7/8	257	1284	7/8	257	1284	7/8	257		NA														
LNAV MDA	1380	1	353	1380	1	353	1380	1	353		NA														
CIRCLING	1420	1	393	1480	1	453	1820	2 1/4	793		NA														
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -22C (-7F) OR ABOVE 54C @ CAT C 800-2 1/4 (130F). CHART NOTE: DME/DME RNP-0.3 NA.																									
CITY AND STATE TEKAMAH, NE				ELEVATION: 1027 TDZE: 1027 AIRPORT NAME: TEKAMAH MUNI				FACILITY IDENTIFIER: RNAV				PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 15, AMDT 1 30 MARCH 2017				SUP: RNAV (GPS) RWY 14									
																AMDT: ORIG									
																DATED 10/25/2007									



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

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

TAA

	FROM	TO	ALT
1.	063/30 CW 243/30 (NOPT)	GOCRE (IF/IAF) (FB)	3400
2.	243/30 CW 063/30	GOCRE (IF/IAF) (FO)	3400

QUALITY
16
CHECKED

CITY AND STATE
TEKAMAH, NE

ELEVATION: 1027 TDZE: 1027
AIRPORT NAME:
TEKAMAH MUNI

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 15, AMDT 1
30 MARCH 2017

SUP: RNAV (GPS) RWY 14
AMDT: ORIG
DATED: 10/25/2007

**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 INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KTQE
RUNWAY	RW15
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W15A
LTP/FTP LATITUDE	414606.4295N
LTP/FTP LONGITUDE	0961052.3430W
LTP/FTP ELLIPSOIDAL HEIGHT	+02856
FPAP LATITUDE	414446.6235N
FPAP LONGITUDE	0960959.3070W
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	1536
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

<u>CRC REMAINDER</u>	ADC6D4AE
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ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+03130
FPAP ORTHOMETRIC HEIGHT	+03130

QUALITY
16
CHECKED

CITY AND STATE TEKAMAH, NE	ELEVATION: 1027 TDZE: 1027 AIRPORT NAME: TEKAMAH MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 15, AMDT 1 30 MARCH 2017	SUP: RNAV (GPS) RWY 14
				AMDT: ORIG
				DATED: 10/25/2007

RNAV - STANDARD US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION							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: RW33 CLIMB TO 3000 DIRECT GOCRE AND HOLD. ADDITIONAL FLIGHT DATA: HOLD NW, RT, 150.46 INBOUND. CHART FAS OBST: 1109 TREE 414526N/0960959W 1222 AAO 414243N/0960808W DISTANCE TO THLD FROM 250 HAT: 0.66 NM. CHART VDP AT 0.93 NM TO RW33* *LNAV ONLY. WAAS CHANNEL # 62940 REFERENCE PATH ID: W33A CHART CIRCLING ICON. LTP HAE: 284.7 M												
BRAVA (IF/IAF)				ANISY (TF) (FB) (RNP 1.00)				330.62 / 6.00				2500														
ANISY (FAF)				OTEKE/3.00 NM TO RW33 (TF) (FB) (RNP 0.30)				330.58 / 1.51																		
OTEKE/3.00 NM TO RW33				RW33 (MAP) (TF) (FO) (RNP 0.30)				330.58 / 3.00																		
RW33 (MAP)				1276 MSL				330.58				3000														
1276 MSL				GOCRE (DF) (FO) (RNP 1.00)																						
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD SE BRAVA, RT, 330.62 INBOUND, 3000 FT. IN LIEU OF PT (IAF) 3. FAC: 330.58 FAF: ANISY _____ DIST FAF TO MAP: 4.51 THLD: 4.51 4. MIN. ALT: BRAVA 3000, ANISY 2500, OTEKE/3.00 NM TO RW33 2020* 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 2500 GS ALT AT: ANISY 2500 _____ OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 40.0 34:1 IS CLEAR 8. MSA FROM: _____																	MAG VAR: 3E					EPOCH YEAR: 2020				
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	1276	7/8	250	1276	7/8	250	1276	7/8	250		NA															
LNAV/VNAV DA	1281	7/8	255	1281	7/8	255	1281	7/8	255		NA															
LNAV MDA	1360	1	334	1360	1	334	1360	1	334		NA															
CIRCLING	1420	1	393	1480	1	453	1760	2 1/4	733		NA															
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -22C (-7F) OR ABOVE 54C @ CAT C 800-2 1/4 (130F). CHART NOTE: DME/DME RNP-0.3 NA.																										
CITY AND STATE TEKAMAH, NE				ELEVATION: 1027 TDZE: 1026 AIRPORT NAME: TEKAMAH MUNI				FACILITY IDENTIFIER: RNAV				PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 33, AMDT 1 30 MARCH 2017				SUP: RNAV (GPS) RWY 32										
																AMDT: ORIG										
																DATED 10/25/2007										



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.

TAA	FROM	TO	ALT
1.	241/30 CW 061/30 (NOPT)	241/15 CW 061/15	3600
	241/15 CW 061/15	BRAVA (IF/IAF) (FB)	3000
2.	061/30 CW 241/30	BRAVA (IF/IAF) (FO)	3100



CITY AND STATE TEKAMAH, NE	ELEVATION: 1027 AIRPORT NAME: TEKAMAH MUNI	TDZE: 1026	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 33, AMDT 1 30 MARCH 2017	SUP: RNAV (GPS) RWY 32
					AMDT: ORIG
					DATED: 10/25/2007

**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 INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KTQE
RUNWAY	RW33
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W33A
LTP/FTP LATITUDE	414531.0365N
LTP/FTP LONGITUDE	0961028.8175W
LTP/FTP ELLIPSOIDAL HEIGHT	+02847
FPAP LATITUDE	414650.8435N
FPAP LONGITUDE	0961121.8640W
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	1536
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
 <u>CRC REMAINDER</u>	 7510EF2A

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+03121
FPAP ORTHOMETRIC HEIGHT	+03121

QUALITY
16
CHECKED

CITY AND STATE TEKAMAH, NE	ELEVATION: 1027 TDZE: 1026 AIRPORT NAME: TEKAMAH MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 33, AMDT 1 30 MARCH 2017	SUP: RNAV (GPS) RWY 32
				AMDT: ORIG
				DATED: 10/25/2007

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)
TITLE 14 CFR PART 97.37**

Bearings, headings, courses, tracks and radials are magnetic. Elevations 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.

<u>CITY, STATE</u>	<u>AIRPORT</u>	<u>EFFECTIVE DATE</u>	<u>AMDT NO</u>
TEKAMAH, NE	TEKAMAH MUNI	30 MARCH 2017	3

TAKEOFF MINIMUMS:
RWY 15, 33 STANDARD

TEXTUAL DEPARTURE PROCEDURES:
RWY 33: CLIMB HEADING 330.55 TO 1500 BEFORE TURNING LEFT.

VISUAL CLIMB OVER AIRPORT:

TAKEOFF OBSTACLE NOTES:
NOTE: RWY33: BUILDING PEAK 98 FT FROM DER, 421 FT RIGHT OF CENTERLINE, 1044 FT MSL.

CONTROLLING OBSTACLES:

OBSTACLES MANDATING ODP ROUTE DEVELOPMENT:
RWY 33: 1453 FT MSL TOWER 414708.00N/0961328.00W

REMARKS:

FLIGHT INSPECTED BY:

ROBIN CAUDLE

Digitally signed by
DANIEL D OLSON
Feb 13, 2017

OFFICE SYMBOL:

FICO

DATE:

02/08/2017

DEVELOPED BY:

PETER GETZ (RECO MOTEN)

Reco Eugene Moten Digitally signed by Reco Eugene Moten
Date: 2016.11.03 17:08:15 -05'00'

OFFICE SYMBOL:

AJV-5422

DATE:

12/14/2016

APPROVED BY:

TONY LAWSON

Digitally signed by
DANIEL D OLSON
Feb 13, 2017

OFFICE SYMBOL:

AJV-5420

DATE:

REQUIRED EFFECTIVE DATE:
ROUTINE

COORDINATED WITH:

<u>A4A</u>	<u>ALPA</u>	<u>AOPA</u>	<u>APA</u>	<u>HAI</u>	<u>NBAA</u>
☐	☒	☒	☐	☐	☒

OTHER:

AMGR,ST AV DIR, OMA APP CON, ZMP

CHANGES - REASONS:

1. CHANGED RUNWAYS 14/32 TO RWY 15/33
2. UPDATED TEXTUAL DEPARTURE PROCEDURE INFORMATION FROM CLIMB VIA HEADING 326.54 TO CLIMB HEADING 330.55.
3. REMOVED RUNWAY 14 TAKEOFF OBSTACLE NOTES.

REASONS

1. & 2 MAGVAR CHANGED FROM EAST 7 TO EAST 3.
3. UPDATED EVALUATION

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.
NEW YORK, NY	DOWNTOWN MANHATTAN/WALL ST	30 MARCH 2017	ORIG

TAKEOFF MINIMUMS:

TEXTUAL DEPARTURE PROCEDURES:

USE JEDIL DEPARTURE

TAKEOFF OBSTACLE NOTES:

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.
NEW YORK, NY	DOWNTOWN MANHATTAN/WALL ST	30 MARCH 2017	ORIG

REMARKS:

FLIGHT INSPECTED BY:

JAMES N CRAWFORD



07/08/2014

REQUIRED EFFECTIVE DATE:

ROUTINE

DEVELOPED BY:

MARK BURTZ



AJV-5430

03/30/2013

APPROVED BY:

GEORGE GONZALEZ



AJV-5410

COORDINATED WITH:

ZNY, LGA ATC.

CHANGES:

ORIGINAL PROCEDURE

REASONS:

FPT REQUEST

QUALITY
CHECKED

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.
NEW YORK, NY	EAST 34 TH STREET	30 MARCH 2017	ORIG

TAKEOFF MINIMUMS:

TEXTUAL DEPARTURE PROCEDURES:

USE JEDIL DEPARTURE

VISUAL CLIMB OVER AIRPORT:

TAKEOFF OBSTACLE NOTES:

CONTROLLING OBSTACLES:

REMARKS:



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.
NEW YORK, NY	EAST 34 TH STREET	30 MARCH 2017	ORIG

FLIGHT INSPECTED BY:

JAMES CRAWFORD

[Signature]
FICO

07/08/2014

REQUIRED EFFECTIVE DATE:

ROUTINE

DEVELOPED BY:

MARK BURTZ

[Signature]
AJV-5430

03/30/2013

APPROVED BY:

GEORGE GONZALEZ

[Signature]
AJV-5410

COORDINATED WITH:

CHANGES:

REASONS:



ILS - STANDARD US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION							INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.29										Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.									
TERMINAL ROUTES																	MISSED APPROACH									
FROM				TO				COURSE AND DISTANCE						ALTITUDE		ILS: DA LOC: 4.49 NM AFTER CAXUN INT/I-TLK 6.19 DME OR AT I-TLK 1.70 DME CLIMB TO 600 THEN CLIMBING LEFT TURN TO 4000 DIRECT DPK VOR/DME AND HOLD. ALTERNATE MA (DO NOT CHART): CLIMB TO 600 THEN CLIMBING LEFT TURN TO 4000 ON HEADING 075 AND JFK VOR/DME R-078 TO HIRBO/JFK 23.37 DME AND HOLD. (DME REQUIRED). ADDITIONAL FLIGHT DATA: HOLD E, LT, 258.09 INBOUND. CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD E HIRBO/JFK 23.37 DME, LT, 258.31 INBOUND. CHART FAS OBST: 171 BLDG 404019N/0734959W CHART VDP AT 2.93 DME* DISTANCE VDP TO THLD 1.24 NM. *LOC ONLY. CHART IN PLANVIEW: HIRBO/JFK 23.37 DME. CHART CIRCLING ICON.										
COVIR (IAF)				KMCHI (TF) (FB) (RNP 1.00)				009.78 / 10.76						2900												
KMCHI (IAF)				BUZON (TF) (FB) (RNP 1.00)				040.88 / 6.04						2900												
BUZON (IAF)				TELEX (TF) (FB) (RNP 1.00)				107.31 / 3.40						2100												
TELEX INT/I-TLK 8.19 DME (IF)				CAXUN INT/I-TLK 6.19 DME				134.76 / 2.00 (I-TLK)						1500												
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. PROFILE STARTS AT TELEX _____ 3. FAC: <u>134.76</u> FAF: <u>CAXUN INT/I-TLK 6.19 DME</u> DIST FAF TO MAP: <u>4.49</u> THLD: <u>4.49</u> 4. MIN. ALT: <u>TELEX 2100, CAXUN 1500, UXHUB INT/I-TLK 3.70 DME 680*</u> 5. DIST TO THLD FROM OM: _____ - _____ MM: _____ - _____ IM: _____ 150 HAT: _____ - _____ 100 HAT: <u>803</u> GS ANT: <u>1103</u> 6. MIN GS INCPT: <u>1500</u> GS ALT AT: <u>CAXUN 1500</u> OM: _____ - _____ MM: _____ - _____ IM: _____ 7. GS ANGLE: <u>3.00</u> TCH: <u>57.9</u> 8. MSA FROM: <u>JFK VOR/DME 360-270 2000, 270-360 2900</u>																	MAG VAR: 14W					EPOCH YEAR: 2000				
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 13L	212	1800	200	212	1800	200	212	1800	200	212	1800	200														
S-LOC 13L	680	2400	668	680	2400	668	680	1 1/2	668	680	1 1/2	668														
CIRCLING	680	1	667	680	1	667	680	1 7/8	667	680	2	667														
UXHUB FIX MINIMUMS																										
S-LOC 13L	440	2400	428	440	2400	428	440	4000	428	440	4000	428														
CIRCLING	640	1	627	640	1	627	640	1 3/4	627	660	2	647														
NOTES: CAT II ILS - SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED; S-ILS 13L: CAT A, B, C, D, RA 100, RVR 1200, HAT 100, DA 112 MSL. # CAT A, B, C, D 700-2 CHART PLANVIEW NOTE: GPS OR RADAR REQUIRED. CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}). CHART NOTE: FOR INOPERATIVE ALS, INCREASE S-LOC 13L CAT C/D VISIBILITY TO 1 7/8.																										
CITY AND STATE NEW YORK, NY				ELEVATION: 13 TDZE: 12 AIRPORT NAME: JOHN F KENNEDY INTL				FACILITY IDENTIFIER: I-TLK		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 13L, AMDT 18; ILS RWY 13L (CAT II) 30 MARCH 2017					SUP: _____ AMDT: <u>017</u> DATED <u>08/20/2015</u>											

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.33

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

TERMINAL ROUTES				MISSED APPROACH			
FROM	TO	COURSE AND DISTANCE	ALTITUDE				
				ADDITIONAL FLIGHT DATA:			
1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF) 2. ____ 3. FAC: ____ FAF: ____ DIST FAF TO MAP: ____ THLD: ____ 4. MIN. ALT: ____ 5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____ 6. MIN GS INCPT: ____ GS ALT AT: ____ OM: ____ MM: ____ IM: ____ 7. GS ANGLE: ____ TCH: ____ 8. MSA FROM: ____				MAG VAR: _____ EPOCH YEAR: _____			
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE: N A			
CATEGORY =====>							
	DH/MDA	VIS		DH/MDA	VIS		
NOTES: PROCEDURE CANCELED EFFECTIVE 30 MARCH 2017							
CITY AND STATE		ELEVATION: 526 TDZE: 526		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	
KENBRIDGE, VA		AIRPORT NAME: LUNENBURG COUNTY				RNAV (GPS) RWY 2, ORIG, 01/13/2011	
						SUP: _____ AMDT: _____ DATED _____	

QUALITY
4
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		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: _____																	
5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____																	
6. MIN GS INCPT: _____ GS ALT AT: _____ OM: _____ MM: _____ IM: _____																	
7. GS ANGLE: _____ TCH: _____																	
8. MSA FROM: _____																	
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT										ALTERNATE: N A							
CATEGORY =====>																	
		DH/MDA VIS		DH/MDA VIS				DH/MDA VIS				DH/MDA VIS					
NOTES:																	
PROCEDURE CANCELED EFFECTIVE 30 MARCH 2017																	
CITY AND STATE KENBRIDGE, VA		ELEVATION: 526 TDZE: 526 AIRPORT NAME: LUNENBURG COUNTY		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 20, ORIG, 01/13/2011						SUP: 4 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. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.												
TERMINAL ROUTES										MISSED APPROACH						
FROM		TO		COURSE AND DISTANCE				ALTITUDE		LP: RW11 LNAV: RW11 CLIMB TO 3500 DIRECT BAATI AND HOLD. ADDITIONAL FLIGHT DATA: HOLD W, RT, 109.68 INBOUND. CHART FAS OBST: 1045 TREE 394142N/0781421W FAS OBST: 1079 AAO 394251N/0781518W 1103 AAO 394251N/0781600W WAAS CHANNEL # 63239 REFERENCE PATH ID: W11A CHART CIRCLING ICON. PYTON TO RW11: 3.50/55 LTP HAE: 90.9 M						
FLINT (IAF)		ALLAH (TF) (FB) (RNP 1.00)		067.74 / 7.09				3500								
ALLAH (IF)		HAKIS (TF) (FB) (RNP 1.00)		109.52 / 3.44				3200								
HAKIS		PYTON (TF) (FB) (RNP 1.00)		109.57 / 2.09				2700								
PYTON (FAF)		KYTHE/4.80 NM TO RW11 (TF) (FB) (RNP 0.30)		109.60 / 1.21												
KYTHE/4.80 NM TO RW11		RW11 (MAP) (TF) (FO) (RNP 0.30)		109.60 / 4.80												
(SEE FORM 8260-10)																
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. PROFILE STARTS AT ALLAH _____ 3. FAC: 109.60 FAF: PYTON _____ DIST FAF TO MAP: 6.01 THLD: 6.01 4. MIN. ALT: ALLAH 3500, HAKIS 3200, PYTON 2700, KYTHE/4.80 NM TO RW11 2240 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: RW11 4000																
										MAG VAR: 10W			EPOCH YEAR: 2000			
MINIMUMS																
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT								ALTERNATE: N A		X						
CATEGORY ==>		A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	
LP MDA	1300	1 1/4	887	1300	1 1/4	887	1300	2 1/2	887	1300	2 1/2	887				
LNAV MDA	1340	1 1/4	927	1340	1 1/4	927	1340	2 1/2	927	1340	2 1/2	927				
CIRCLING	1340	1 1/4	927	1340	1 1/4	927	1700	3	1287	1780	3	1367				
NOTES: CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: PROCEDURE NA AT NIGHT. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT FLINT ON V438 WESTBOUND. CHART NOTE: RWY 11 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. (CONTINUED ON PAGE 2)																
CITY AND STATE		ELEVATION: 413 TDZE: 413		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP: GPS RWY 11						
BERKELEY SPRINGS, WV		AIRPORT NAME: POTOMAC AIRPARK				RNAV (GPS) RWY 11, AMDT 1				AMDT: ORIG-A						
						30 MARCH 2017				DATED 05/28/2015						



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
RW11 (MAP)	813 MSL	109.60	
813 MSL	BAATI (DF) (FO) (RNP 1.00)		3500

NOTES, (CONT.):

CHART NOTE: OBTAIN LOCAL ALTIMETER SETTING ON CTAF; WHEN NOT RECEIVED, USE MARTINSBURG ALTIMETER SETTING AND INCREASE ALL MDAS 80 FEET AND INCREASE LNAV AND LP CAT B, C AND D VISIBILITIES 1/2 SM AND INCREASE CIRCLING CAT B VISIBILITY 1/4 SM.

QUALITY
10
CHECKED

CITY AND STATE
BERKELEY SPRINGS, WV

ELEVATION: 413 TDZE: 413
AIRPORT NAME:
POTOMAC AIRPARK

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 11, AMDT 1
30 MARCH 2017

SUP: GPS RWY 11
AMDT: ORIG-A
DATED: 05/28/2015

**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	W35
RUNWAY	RW11
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W11A
LTP/FTP LATITUDE	394137.5380N
LTP/FTP LONGITUDE	0781029.2785W
LTP/FTP ELLIPSOIDAL HEIGHT	+00909
FPAP LATITUDE	394122.5290N
FPAP LONGITUDE	0780835.5005W
THRESHOLD CROSSING HEIGHT (TCH)	00055.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.50
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1232
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	0.0

CRC REMAINDER

C46A43CB

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+01249
FPAP ORTHOMETRIC HEIGHT	+01249

QUALITY
10
CHECKED

CITY AND STATE BERKELEY SPRINGS, WV	ELEVATION: 413 TDZE: 413 AIRPORT NAME: POTOMAC AIRPARK	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 11, AMDT 1 30 MARCH 2017	SUP: GPS RWY 11
				AMDT: ORIG-A
				DATED: 05/28/2015

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: RW29 LNAV: RW29					
MRB VORTAC (IAF)		BAATI (TF) (FB) (RNP 1.00)		356.61 / 17.02				3500		CLIMB TO 3500 DIRECT ALLAH AND HOLD.					
HGR VOR (IAF)		BAATI (TF) (FB) (RNP 1.00)		249.05 / 4.20				3500							
BAATI (IF)		DELIA (TF) (FB) (RNP 1.00)		289.83 / 4.79				2600							
DELIA (FAF)		FAMOX/3.10 NM TO RW29 (TF) (FB) (RNP 0.30)		289.77 / 2.64											
FAMOX/3.10 NM TO RW29		RW29 (MAP) (TF) (FO) (RNP 0.30)		289.77 / 3.10						ADDITIONAL FLIGHT DATA: HOLD E, RT, 289.52 INBOUND. CHART FAS OBST: 809 TREE 394112N/0780833W CHART FAS OBST: 858 TREE 394054N/0780936W 819 TREE 394118N/0780530W CHART: 890 TOWER 394059N/0780518W WAAS CHANNEL # 69639 REFERENCE PATH ID: W29A CHART CIRCLING ICON. DELIA TO RW29: 3.50/55. LTP HAE: 91.4 M					
(SEE FORM 8260-10)															
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)										MAG VAR: 10W EPOCH YEAR: 2000					
2. PROFILE STARTS AT BAATI															
3. FAC: 289.77 FAF: DELIA DIST FAF TO MAP: 5.74 THLD: 5.74															
4. MIN. ALT: BAATI 3500, DELIA 2600, FAMOX/3.10 NM TO RW29 1620															
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: RW29 4000															
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	1180	1	767	1180	1 1/4	767	1180	2 1/2	767	1180	2 1/2	767			
LNAV MDA	1220	1	807	1220	1 1/4	807	1220	2 1/2	807	1220	2 1/2	807			
CIRCLING	1240	1 1/4	827	1280	1 1/4	867	1700	3	1287	1780	3	1367			
NOTES: CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: PROCEDURE NA AT NIGHT. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON MRB VORTAC AIRWAY RADIALS 267 CW 065. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON HGR VOR AIRWAY RADIALS 164 CW 291. (CONTINUED ON PAGE 2)															
CITY AND STATE BERKELEY SPRINGS, WV		ELEVATION: 413 TDZE: 413 AIRPORT NAME: POTOMAC AIRPARK		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 29, AMDT 1 30 MARCH 2017				SUP: GPS RWY 29		AMDT: ORIG-A			
												DATED 05/28/2015			



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
RW29 (MAP)	813 MSL	289.77	
813 MSL	ALLAH (DF) (FO) (RNP 1.00)		3500

NOTES, (CONT.):

CHART NOTE: RWY 29 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.

CHART NOTE: OBTAIN LOCAL ALTIMETER SETTING ON CTAF; WHEN NOT RECEIVED, USE MARTINSBURG ALTIMETER SETTING AND INCREASE ALL MDAS 80 FEET AND INCREASE LNAV CAT A VISIBILITY 1/4 SM.

CITY AND STATE
BERKELEY SPRINGS, WV

ELEVATION: 413 TDZE: 413
AIRPORT NAME:
POTOMAC AIRPARK

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 29, AMDT 1
30 MARCH 2017

SUP: GPS RWY 29
AMDT: ORIG-A
DATED: 05/28/2015

QUALITY
10
CHECKED

**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	W35
RUNWAY	RW29
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W29A
LTP/FTP LATITUDE	394129.2605N
LTP/FTP LONGITUDE	0780926.4940W
LTP/FTP ELLIPSOIDAL HEIGHT	+00914
FPAP LATITUDE	394144.2525N
FPAP LONGITUDE	0781120.2790W
THRESHOLD CROSSING HEIGHT (TCH)	00055.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.50
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1232
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	0.0

CRC REMAINDER

E8971FE8

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+01254
FPAP ORTHOMETRIC HEIGHT	+01254

QUALITY
10
CHECKED

CITY AND STATE

BERKELEY SPRINGS, WV

ELEVATION: 413

TDZE: 413

AIRPORT NAME:

POTOMAC AIRPARK

 FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 29, AMDT 1

30 MARCH 2017

SUP:

GPS RWY 29

AMDT:

ORIG-A

DATED:

05/28/2015

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION LOC STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.25										Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.									
TERMINAL ROUTES										MISSED APPROACH									
FROM			TO			COURSE AND DISTANCE			ALTITUDE		MAP: I-FYV 1.19 DME								
SUMMO INT/RZC 22.11 DME			ELMIE INT/I-FYV 10.96 DME			040.66 / 15.95 (RZC R-221)			3000		CLIMB TO 2100 THEN CLIMBING RIGHT TURN TO 4000 ON HEADING 295 AND RZC VORTAC R-221 TO SUMMO INT/RZC 22.11 DME AND HOLD.								
RZC VORTAC (IAF)			ELMIE INT/I-FYV 10.96 DME (NOPT)			220.66 / 6.16			3000										
ELMIE INT/I-FYV 10.96 DME (IF/IAF)			HOGGE/I-FYV 4.95 DME			166.95 / 6.01 (I-FYV)			2500										
										ADDITIONAL FLIGHT DATA: HOLD SW, RT, 040.66 INBOUND. FAS OBST: 1519 TREE 360342N/0941118W CHART: ASR. CHART CIRCLING ICON. HOGGE TO RW16: 3.00/50. CHART VDP AT 2.69 DME; DISTANCE VDP TO THLD 1.50 NM.									
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)										MAG VAR: 2E EPOCH YEAR: 2015									
2. HOLD N ELMIE, RT, 166.95 INBOUND, 3000 FT. IN LIEU OF PT (IAF)																			
3. FAC 166.95 FAF HOGGE/I-FYV 4.95 DME DIST FAF TO MAP _____ THLD 3.76																			
4. MIN. ALT ELMIE 3000, HOGGE 2500, ZABKO/I-FYV 3.69 DME 2080																			
8. MSA FROM: RZC VORTAC 090-180 4500, 180-270 3600, 270-090 3200																			
MINIMUMS																			
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT										ALTERNATE: N A		LOC: 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-LOC 16		1780	3/4	528	1780	3/4	528	1780	1 3/8	528	1780	1 3/8	528						
CIRCLING		2000	1	748	2000	1	748	2320	3	1068	2320	3	1068						
NOTES:																			
CHART NOTE: CIRCLING NA E OF RWY 16-34.										@ NA WHEN CONTROL TOWER CLOSED. @ NA WHEN LOCAL WEATHER NOT AVAILABLE. @ CAT C, D 1100-3									
CHART NOTE: RWY 16 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.																			
CHART NOTE: DME REQUIRED.																			
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON RZC VORTAC AIRWAY RADIALS 150 CW 264.																			
CITY AND STATE FAYETTEVILLE, AR		ELEVATION: 1252 TDZE: 1252 AIRPORT NAME: DRAKE FIELD			FACILITY IDENTIFIER: I-FYV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: LOC RWY 16, ORIG 27 APRIL 2017					SUP AMDT DATE							
												NONE							

QUALITY
22
CHECKED

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION LOC STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.25										Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HATh, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are 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 =====>		MDA		VIS		MDA		VIS		MDA		VIS		MDA		VIS					
NOTES:																					
PROCEDURE CANCELED EFFECTIVE 27 APRIL 2017																					
CITY AND STATE FAYETTEVILLE, AR				ELEVATION: 1252 AIRPORT NAME: DRAKE FIELD				TDZE:				FACILITY IDENTIFIER: I-FYV				PROCEDURE NO./AMD'T NO./EFFECTIVE DATE: LOC-C, ORIG, 11/15/2012				SUP AMD'T DATE	
																NONE					



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: GCN 1.17 DME							
BISOP INT/DRK 52.77 DME				SAVRE/GCN 20.62 DME			349.03 / 6.82 (DRK R-349)				10000		CLIMB TO 7000 THEN CLIMBING LEFT TURN TO 9000 ON HEADING 180.00 AND ON GCN VOR/DME R-204 DIRECT CARMS/GCN 12.00 DME AND HOLD.							
GCN VOR/DME				CARMS/GCN 12.00 DME			204.33 / 12.00				9000									
AMERE/GCN 12.00 DME CCW (IAF)				CARMS/GCN 12.00 DME (NOPT)			12.00 DME ARC (GCN LR-214)				9000									
SAVRE/GCN 20.62 DME (IAF)				CARMS/GCN 12.00 DME (NOPT)			029.65 / 8.62 (I-GCN)				9000									
CARMS/GCN 12.00 DME (IF)				HAPLY/GCN 6.19 DME			029.65 / 5.81 (I-GCN)				8200		ADDITIONAL FLIGHT DATA: CHART FAS OBST: 6691 TREE 355547N/1120957W CHART VDP AT 2.30 DME* DISTANCE VDP TO THLD 1.15 NM. *LOC ONLY. CHART GCN R-239 AT AMERE. CHART CIRCLING ICON. CHART IN PLANVIEW AT SAVRE: DRK 59.59 DME. CHART PLANVIEW NOTE: DME REQUIRED.							
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)																				
2. HOLD SW CARMS, RT, 029.65 INBOUND, 9000 FT. IN LIEU OF PT (IAF)																				
3. FAC: 029.65 FAF: HAPLY/GCN 6.19 DME DIST FAF TO MAP: _____ THLD: 5.05																				
4. MIN. ALT: CARMS 9000, HAPLY 8200																				
5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: 1015																				
6. MIN GS INCPT: 8200 GS ALT AT: _____ OM: _____ MM: _____ IM: _____																				
7. GS ANGLE: 3.00 TCH: 58.0																				
8. MSA FROM: GCN VOR/DME 080-260 9200, 260-080 10500																				
MAG VAR: 11E EPOCH YEAR: 2020																				
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	6795	3/4	239	6795	3/4	239	6795	3/4	239	6795	3/4	239								
S-LOC 03	6960	1	404	6960	1	404	6960	1 1/8	404	6960	1 1/8	404								
CIRCLING	7140	1	531	7200	1	591	7280	2	671	7620	3	1011								
NOTES: CHART NOTE: DME FROM GCN VOR/DME. SIMULTANEOUS RECEPTION OF I-GCN AND GCN DME REQUIRED. CHART NOTE: DME REQUIRED.																				
# @ NA WHEN CONTROL TOWER CLOSED. # CAT C 700-2, CAT D 1100-3 @ CAT D 1100-3																				
CITY AND STATE GRAND CANYON, AZ		ELEVATION: 6609 TDZE: 6556 AIRPORT NAME: GRAND CANYON NATIONAL PARK			FACILITY IDENTIFIER: I-GCN		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 3, AMDT 1 27 APRIL 2017					SUP: ILS OR LOC/DME RWY 3 AMDT: ORIG-C DATED 04/28/2016								



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 7000 THEN CLIMBING LEFT TURN TO 9000 DIRECT CARMS AND HOLD. ADDITIONAL FLIGHT DATA: CHART FAS OBST: 6709 TREE 355631N/1121008W DISTANCE TO THLD FROM 241 HAT: 0.65 NM. CHART VDP AT 1.15 NM TO RW03* *LNAV ONLY. WAAS CHANNEL # 86340 REFERENCE PATH ID: W03A CHART CIRCLING ICON. LTP HAE: 1968.3 M					
GCN VOR/DME	CARMS (TF) (FO) (RNP 2.00)			208.33 / 12.00			9000								
BISOP	SAVRE (TF) (FB) (RNP 2.00)			352.03 / 6.82			10000								
SAVRE (IAF)	CARMS (NOPT) (TF) (FB) (RNP 1.00)			029.49 / 8.62			9000								
GUCRU (IAF)	CARMS (NOPT) (TF) (FB) (RNP 1.00)			119.49 / 8.17			9000								
CARMS (IF/IAF) (SEE FORM 8260-10)	HAPLY (TF) (FB) (RNP 1.00)			029.57 / 5.81			8200								
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD SW CARMS, RT, 029.57 INBOUND, 9000 FT. IN LIEU OF PT (IAF) 3. FAC: 029.61 FAF: HAPLY _____ DIST FAF TO MAP: 5.05 THLD: 5.05 4. MIN. ALT: CARMS 9000, HAPLY 8200 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 8200 GS ALT AT: HAPLY 8200 _____ OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 58.0 34:1 IS CLEAR 8. MSA FROM: RW03 10500										MAG VAR: 11E EPOCH YEAR: 2020					
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	6797	3/4	241	6797	3/4	241	6797	3/4	241	6797	3/4	241			
LNAV/VNAV DA	6981	1 1/2	425	6981	1 1/2	425	6981	1 1/2	425	6981	1 1/2	425			
LNAV MDA	6960	1	404	6960	1	404	6960	1 1/8	404	6960	1 1/8	404			
CIRCLING	7140	1 1/4	531	7200	1 1/2	591	7280	3	671	7620	3	1011			
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -12C (11F) OR ABOVE 44C (111F). @ CAT C 800-3, CAT D 1100-3 CHART NOTE: DME/DME RNP-0.3 NA.															
CITY AND STATE GRAND CANYON, AZ		ELEVATION: 6609 TDZE: 6556 AIRPORT NAME: GRAND CANYON NATIONAL PARK		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 3, AMDT 1 27 APRIL 2017					SUP: _____ AMDT: ORIG-B DATED 04/28/2016				

 QUALITY
10
CHECKED

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

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

TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
HAPLY (FAF)	RW03 (MAP) (TF) (FO) (RNP 0.30)	029.61 / 5.05	
RW03 (MAP)	7000 MSL	029.61	7000
7000 MSL	CARMS (DF) (FO)		9000

CITY AND STATE
GRAND CANYON, AZ

ELEVATION: 6609 TDZE: 6556
AIRPORT NAME:
GRAND CANYON NATIONAL PARK

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 3, AMDT 1
27 APRIL 2017

SUP: 
AMDT: ORIG-B
DATED: 04/28/2016

**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	KGCN
RUNWAY	RW03
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W03A
LTP/FTP LATITUDE	355634.7375N
LTP/FTP LONGITUDE	1120924.7015W
LTP/FTP ELLIPSOIDAL HEIGHT	+19683
FPAP LATITUDE	355742.4305N
FPAP LONGITUDE	1120813.2025W
THRESHOLD CROSSING HEIGHT (TCH)	00058.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0008
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
 <u>CRC REMAINDER</u>	 BBC64FCA

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K2
LTP ORTHOMETRIC HEIGHT	+19913
FPAP ORTHOMETRIC HEIGHT	+19913

CITY AND STATE

GRAND CANYON, AZ

ELEVATION: 6609

TDZE: 6556

AIRPORT NAME:

GRAND CANYON NATIONAL PARK

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 3, AMDT 1

27 APRIL 2017

SUP:

AMDT:

DATED:

 QUALITY
10
CHECKED

ORIG-B

04/28/2016

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: GCN VOR/DME							
										CLIMB TO 9100 IN GCN VOR/DME HOLDING PATTERN.							
										ADDITIONAL FLIGHT DATA: HOLD S, LT, 016.00 INBOUND. CHART FAS OBST: 6752 NAVAID 355706N/1120832W CHART CIRCLING ICON. FAC CROSSES RWY C/L EXTENDED 3037 FT FROM THLD.							
1. PT <u>R</u> SIDE OF COURSE <u>196.00</u> OUTBOUND <u>8500</u> FT WITHIN <u>10</u> MILES OF <u>GCN VOR/DME</u> (IAF)																	
2.																	
3. FAC <u>016.00</u> FAF _____ DIST FAF TO MAP _____ THLD _____																	
4. MIN. ALT _____																	
8. MSA FROM: <u>GCN VOR/DME 080-260 9200, 260-080 10500</u>										MAG VAR: <u>15E</u>			EPOCH YEAR: <u>1965</u>				
MINIMUMS																	
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT										ALTERNATE: <u>N A</u>		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-03		7180	1	624	7180	1	624	7180	1 3/4	624	7180	1 3/4	624				
CIRCLING		7180	1	571	7200	1	591	7280	2	671	7620	3	1011				
NOTES:																	
CHART PLANVIEW NOTE: DESCEND IN GCN VOR/DME HOLDING PATTERN TO 11000 BEFORE COMMENCING PROCEDURE @ CAT D 1100-3 TURN.																	
CHART NOTE: RWY 3 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.																	
CITY AND STATE GRAND CANYON, AZ		ELEVATION: 6609 AIRPORT NAME: GRAND CANYON NATIONAL PARK			TDZE: 6556			FACILITY IDENTIFIER: GCN		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: VOR RWY 3, AMDT 6 27 APRIL 2017				SUP AMDT DATE		10 5B 04/28/2016	

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: 5.13 NM AFTER ALISN/I-UWU 4.64 DME/RADAR OR AT I-UWU 0.49 DME					
FIM VORTAC		WAKER (TF) (FB) (RNP 2.00)		161.00 / 19.62				6000		CLIMB TO 600 THEN CLIMBING LEFT TURN TO 3000 ON LAX VORTAC R-046 TO AMTRA INT/LAX 17.32 DME AND HOLD.					
WAKER (IAF)		KILIE (TF) (FB) (RNP 1.00)		141.94 / 3.00				5600							
KILIE		NATHN (TF) (FB) (RNP 1.00)		102.83 / 8.58				3600							
EXERT INT/LAX VORTAC 20.94 DME/RADAR (IAF)		NATHN/I-UWU 10.57 DME/RADAR		050.00 / 4.66 (HDG) & 070.99 / 5.68 (I-UWU)				3600		ALTERNATE MA (DO NOT CHART): CLIMB TO 600 THEN CLIMBING LEFT TURN TO 5000 ON HEADING 040 AND PDZ VORTAC R-273 TO PDZ VORTAC AND HOLD.					
CLVVR/I-UWU 15.54 DME/RADAR (IAF)		NATHN/I-UWU 10.57 DME/RADAR		070.99 / 4.97 (I-UWU)				3600		ADDITIONAL FLIGHT DATA: HOLD SW, RT, 046.00 INBOUND. FAS OBST: 208 SHIP 335639N/1182856W CHART VDP AT 0.30 DME* DISTANCE VDP TO THLD 0.78 NM. *LOC ONLY. CHART MANDATORY 6000 AT WAKER. CHART KSMO IN PLANVIEW. CHART IN PROFILE VIEW: I-UWU DME ANTENNA. CHART MINIMUM 4000 AT CLVVR. ALTERNATE MA HOLDING, HOLD E PDZ VORTAC, RT, 258.00 INBOUND. (DO NOT CHART)					
NATHN/I-UWU 10.57 DME/RADAR (IF)		ALISN/I-UWU 4.64 DME/RADAR		070.99 / 5.93 (I-UWU)				1800							
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)										MAG VAR: 12E EPOCH YEAR: 2020					
2. PROFILE STARTS AT NATHN															
3. FAC: 070.99 FAF: ALISN/I-UWU 4.64 DME/RADAR DIST FAF TO MAP: 5.13 THLD: 5.13															
4. MIN. ALT: NATHN 3600, ALISN 1800															
5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: 1005															
6. MIN GS INCPT: 1800 GS ALT AT: ALISN 1800 OM: _____ MM: _____ IM: _____															
7. GS ANGLE: 3.00 TCH: 54.7															
8. MSA FROM: LAX VORTAC 060-190 2700, 190-300 4200, 300-060 7700															
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 06L	369	2400	250	369	2400	250	369	2400	250	369	2400	250			
S-LOC 06L	460	2400	341	460	2400	341	460	3000	341	460	3000	341			
SIDESTEP 06R	460	5500	344	460	5500	344	460	5500	344	460	1 1/2	344			
NOTES: CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}). CHART PLANVIEW NOTE: DME OR RADAR REQUIRED. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON FIM VORTAC AIRWAY RADIALS 087 CW 195. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT EXERT ON V25 SOUTHWEST BOUND, V27 NORTHWEST (CONTINUED ON PAGE 2)															
CITY AND STATE LOS ANGELES, CA		ELEVATION: 128 AIRPORT NAME: LOS ANGELES INTL		TDZE: 06L 119 TDZE: 06R 116		FACILITY IDENTIFIER: I-UWU		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 6L, AMDT 14 27 APRIL 2017				SUP: AMDT: 13 DATED 11/10/2016			



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.):
BOUND.

CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO SIDESTEP 6R CATS A/B.

CHART NOTE: FOR INOPERATIVE ALS, INCREASE S-LOC 6L CAT C/D VISIBILITY TO RVR 5500.

CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED.

CHART PLANVIEW NOTE ADJACENT TO FIM VORTAC: RNAV 1-GPS REQUIRED.

CHART SPEED ICON IN PLANVIEW AT WAKER: MAX 210 KIAS.

QUALITY
25
CHECKED

CITY AND STATE LOS ANGELES, CA	ELEVATION: 128 AIRPORT NAME: LOS ANGELES INTL	TDZE: 06L 119 TDZE: 06R 116	FACILITY IDENTIFIER: I-UWU	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 6L, AMDT 14 27 APRIL 2017	SUP:
					AMDT: 13
					DATED: 11/10/2016

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: 5.08 NM AFTER FUMBL/I-MKZ 4.92 DME/RADAR OR AT I-MKZ 0.17 DME CLIMB TO 3000 ON LAX VORTAC R-068 TO DOWNE INT/LAX 15.50 DME/RADAR AND HOLD. ALTERNATE MA (DO NOT CHART): CLIMB TO 3000 ON HEADING 071 AND SLI VORTAC R-327 TO DOWNE INT/SLI 11.38 DME/RADAR AND HOLD. ADDITIONAL FLIGHT DATA: HOLD E, LT, 248.00 INBOUND. FAS OBST: 208 SHIP 335540N/1182956W CHART VDP AT 0.72 DME* DISTANCE VDP TO THLD 0.88 NM. *LOC ONLY. CHART MANDATORY 6000 AT WAKER. CHART MINIMUM 4000 AT JJONN. CHART IN PROFILE VIEW: I-MKZ DME ANTENNA. ALTERNATE MA HOLDING, HOLD SE DOWNE INT/SLI 11.38 DME/RADAR, LT, 327.39 INBOUND. (DO NOT CHART)							
FIM VORTAC		WAKER (TF) (FB) (RNP 2.00)		161.00 / 19.62				6000									
WAKER (IAF)		KILIE (TF) (FB) (RNP 1.00)		141.94 / 3.00				5600									
KILIE		TIMSE (TF) (FB) (RNP 1.00)		106.23 / 9.56				2600									
EXERT INT/LAX VORTAC 20.94 DME/RADAR (IAF)		TIMSE/I-MKZ 10.86 DME/RADAR		060.00/ 3.53 (HDG) & 070.99 / 7.09 (I-MKZ)				2600									
JJONN/I-MKZ 15.86 DME/RADAR (IAF)		TIMSE/I-MKZ 10.86 DME/RADAR		070.99 / 5.00 (I-MKZ)				2600									
TIMSE/I-MKZ 10.86 DME/RADAR (IF)		FUMBL/I-MKZ 4.92 DME/RADAR		070.99 / 5.95 (I-MKZ)				1800									
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. PROFILE STARTS AT TIMSE 3. FAC: 070.99 FAF: FUMBL/I-MKZ 4.92 DME/RADAR DIST FAF TO MAP: 5.08 THLD: 5.08 4. MIN. ALT: TIMSE 2600, FUMBL 1800 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: 1107 6. MIN GS INCPT: 1800 GS ALT AT: FUMBL 1800 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 60.4 8. MSA FROM: LAX VORTAC 060-190 2700, 190-300 4200, 300-060 7700										MAG VAR: 12E		EPOCH YEAR: 2020					
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 07R	328	2400	200	328	2400	200	328	2400	200	328	2400	200					
S-LOC 07R	460	2400	332	460	2400	332	460	2600	332	460	2600	332					
SIDESTEP 07L	520	5500	392	520	5500	392	520	5500	392	520	1 1/2	392					
NOTES: CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED. CHART NOTE: DME OR RADAR REQUIRED. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT EXERT ON V25 SOUTHWEST BOUND. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON FIM VORTAC AIRWAY RADIALS 087 CW 195. (CONTINUED ON PAGE 2)																	
CITY AND STATE		ELEVATION: 128		TDZE: 07R 128		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:					
LOS ANGELES, CA		AIRPORT NAME:		TDZE: 07L 128		I-MKZ		ILS OR LOC RWY 7R, AMDT 8				AMDT: 7					
		LOS ANGELES INTL						27 APRIL 2017				DATED 11/10/2016					

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

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

NOTES, (CONT.):
CHART PLANVIEW NOTE ADJACENT TO FIM VORTAC: RNAV 1-GPS REQUIRED.
CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO SIDESTEP RWY 7L CATS A AND B.
CHART SPEED ICON IN PLANVIEW AT WAKER: MAX 210 KIAS.



CITY AND STATE LOS ANGELES, CA	ELEVATION: 128 AIRPORT NAME: LOS ANGELES INTL	TDZE: 07R 128 TDZE: 07L 128	FACILITY IDENTIFIER: I-MKZ	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 7R, AMDT 8 27 APRIL 2017	SUP:
					AMDT: 7
					DATED: 11/10/2016

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: RW08R CLIMB TO 1500 THEN CLIMBING RIGHT TURN TO 5000 DIRECT IBAXE AND HOLD, CONTINUE CLIMB-IN-HOLD TO 5000. ADDITIONAL FLIGHT DATA: HOLD E, RT, 255.13 INBOUND. CHART FAS OBST: 1167 ANT 340355N/1173848W DISTANCE TO THLD FROM 284 HAT: 0.72 NM. CHART VDP AT 1.37 NM TO RW08R* *LNAV ONLY. WAAS CHANNEL # 70329 REFERENCE PATH ID: W08A CHART CIRCLING ICON. LTP HAE: 252 M					
PDZ VORTAC		SEYKO (TF) (FO) (RNP 2.00)		285.25 / 17.88				3800							
AMTRA (IAF)		SEYKO (NOPT) (TF) (FB) (RNP 1.00)		082.43 / 13.96				3300							
LAHAB (IAF)		SEYKO (NOPT) (TF) (FB) (RNP 1.00)		014.41 / 8.63				3300							
SEYKO (IF/IAF)		DEMPE (TF) (FB) (RNP 1.00)		077.84 / 5.91				2800							
DEMPE (FAF)		RW08R (MAP) (TF) (FO) (RNP 0.30)		077.91 / 5.69											
(SEE FORM 8260-10)															
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD W SEYKO, RT, 077.84 INBOUND, 3300 FT. IN LIEU OF PT (IAF) 3. FAC: 077.91 FAF: DEMPE DIST FAF TO MAP: 5.69 THLD: 5.69 4. MIN. ALT: SEYKO 3300, DEMPE 2800 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 2800 GS ALT AT: DEMPE 2800 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 53.2 34:1 IS CLEAR 8. MSA FROM: RW08R 11300															
										MAG VAR: 12E			EPOCH YEAR: 2020		
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	1220	4500	284	1220	4500	284	1220	4500	284	1220	4500	284			
LNAV/VNAV DA	1494	1 7/8	558	1494	1 7/8	558	1494	1 7/8	558	1494	1 7/8	558			
LNAV MDA	1440	5500	504	1440	5500	504	1440	1 3/8	504	1440	1 3/8	504			
CIRCLING	1440	1	496	1440	1	496	1540	1 1/2	596	1600	2	656			
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW 2C (36F) OR ABOVE 54C (130F). CHART NOTE: CIRCLING NA NORTH OF RWY 8L-26R. CHART NOTE: DME/DME RNP-0.3 NA. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON PDZ VORTAC AIRWAY RADIALS 238 CW 011 AND ARRIVALS (CONTINUED ON PAGE 2)															
CITY AND STATE		ELEVATION: 944 TDZE: 936		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP: RNAV (GPS) RWY 8R					
ONTARIO, CA		AIRPORT NAME: ONTARIO INTL				RNAV (GPS) Y RWY 8R, AMDT 2				AMDT: 1C					
						27 APRIL 2017				DATED 05/26/2016					

QUALITY
 22
 CHECKED

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

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

TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
RW08R (MAP)	1500 MSL	077.91	1500
1500 MSL	IBAXE (DF) (FO) (RNP 1.00)		5000

NOTES, (CONT.):

AT AMTRA ON V264 WESTBOUND.

CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).

QUALITY
22
CHECKED

CITY AND STATE
ONTARIO, CA

ELEVATION: 944 TDZE: 936
AIRPORT NAME:
ONTARIO INTL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) Y RWY 8R, AMDT 2
27 APRIL 2017

SUP: RNAV (GPS) RWY 8R
AMDT: 1C
DATED: 05/26/2016

**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	KONT
RUNWAY	RW08R
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	Y
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W08A
LTP/FTP LATITUDE	340317.8465N
LTP/FTP LONGITUDE	1173658.4095W
LTP/FTP ELLIPSOIDAL HEIGHT	+02520
FPAP LATITUDE	340317.8900N
FPAP LONGITUDE	1173457.1885W
THRESHOLD CROSSING HEIGHT (TCH)	00053.2
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0000
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER

C8ACA1F5

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K2
LTP ORTHOMETRIC HEIGHT	+02853
FPAP ORTHOMETRIC HEIGHT	+02853

QUALITY
22
CHECKED

CITY AND STATE

ONTARIO, CA

ELEVATION: 944

TDZE: 936

AIRPORT NAME:

ONTARIO INTL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) Y RWY 8R, AMDT 2

27 APRIL 2017

SUP: RNAV (GPS) RWY
8R

AMDT: 1C

DATED: 05/26/2016

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION				RNAV (RNP) - STANDARD, INSTRUMENT APPROACH PROCEDURE, TITLE 14 CFR PART 97.33				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.							
TERMINAL ROUTES										MISSED APPROACH					
FROM		TO		COURSE AND DISTANCE			ALTITUDE		RNP: DA CLIMB TO 5300 DIRECT CABUB AND ON TRACK 160.75 TO DLIUS AND HOLD, CONTINUE CLIMB-IN-HOLD TO 5300. ADDITIONAL FLIGHT DATA: HOLD E, RT, 260.00 INBOUND. DISTANCE TO THLD FROM 546 HAT: 1.57 NM. CHART MANDATORY 6000 AT EFFXX. CHART MANDATORY 6000 AT NUTZO. ROUTE TYPE: A, H ROUTE TYPE QUALIFIER1: F ROUTE TYPE QUALIFIER2: S #TCH 989 MSL (DO NOT CHART)						
EFFXX (IAF)		RUKKY (TF) (FB) (RNP 1.00)		267.05 / 4.03			5100								
RUKKY (IF)		COLTN (TF) (FB) (RNP 1.00)		267.00 / 3.50			4200								
COLTN		UNLAY (RF) (FB) (RNP 1.00)		(2.16 NM RADIUS CW (CFCGC))/3.05			3300								
UNLAY		VOGUE (TF) (FB) (RNP 0.70)		347.95 / 1.36			2900								
VOGUE		LOGJM (RF) (FB) (RNP 0.30)		(2.16 NM RADIUS CW (CFCGH))/3.39			2000								
(SEE FORM 8260-10)															
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. PROFILE STARTS AT LOGJM _____ 3. FAC: <u>077.93</u> FAF: _____ DIST FAF TO MAP: _____ THLD: _____ 4. MIN. ALT: <u>LOGJM 2000</u> 5. DIST TO THLD FROM OM: <u>3.17</u> MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: <u>2000</u> GS ALT AT: <u>LOGJM 2000</u> OM: _____ MM: _____ IM: _____ 7. GS ANGLE: <u>3.00</u> TCH: <u>45.1</u> # <u>34:1</u> IS CLEAR 8. MSA FROM: <u>RW08L 11300</u>															
										MAG VAR: 12E			EPOCH YEAR: 2020		
MINIMUMS															
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT								ALTERNATE: N A		X					
CATEGORY ==>		A		B		C		D		E					
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
AUTHORIZATION REQUIRED															
RNP 0.30 DA	1490	1 3/8	546	1490	1 3/8	546	1490	1 3/8	546	1490	1 3/8	546			
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW 2C (36F) OR ABOVE 54C (130F). CHART PLANVIEW NOTE: GPS REQUIRED. CHART PLANVIEW NOTE ADJACENT TO EFFXX AND NUTZO IAF: RF REQUIRED. CHART PLANVIEW NOTE AT UNLAY: (RNP 0.70). (CONTINUED ON PAGE 2)															
CITY AND STATE		ELEVATION: 944 TDZE: 944		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:		19			
ONTARIO, CA		AIRPORT NAME: ONTARIO INTL				RNAV (RNP) Z RWY 8L, AMDT 1				AMDT:		ORIG-D			
						27 APRIL 2017				DATED		05/26/2016			

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.	
RNAV (RNP) - STANDARD, INSTRUMENT APPROACH PROCEDURE, - TITLE 14 CFR PART 97.33					
TERMINAL ROUTES, (CONT.):					
FROM		TO	COURSE AND DISTANCE	ALTITUDE	
NUTZO (IAF)		OUTCH (TF) (FB) (RNP 1.00)	258.22 / 6.60	5600	
OUTCH (IF)		PRMNT (TF) (FB) (RNP 1.00)	258.16 / 3.94	4500	
PRMNT		ICWEB (TF) (FB) (RNP 1.00)	257.99 / 3.16	3700	
ICWEB		UGIVE (RF) (FB) (RNP 0.30)	(1.95 NM RADIUS CCW (CFCFP))/3.62	2800	
UGIVE		LOGJM (RF) (FB) (RNP 0.30)	(1.95 NM RADIUS CCW (CFCFP))/2.51	2000	
JALOT (IAF)		LEAGE (TF) (FB) (RNP 0.60)	077.82 / 3.44	2900	
LEAGE (IF)		LOGJM (TF) (FB) (RNP 0.60)	077.92 / 3.00	2000	
LOGJM (FAF)		RW08L (MAP) (TF) (FO)	077.93 / 3.17		
RW08L (MAP)		1344 MSL (CA)	077.93		
1344 MSL		CABUB (DF) (FB) (RNP 1.00)			
CABUB		DLIUS (TF) (FO) (RNP 1.00)	160.75 / 8.41	5300	
NOTES, (CONT.):					
CHART PLANVIEW NOTE AT VOGUE: (RNP 0.30).					
CHART PLANVIEW NOTE AT ICWEB: (RNP 0.30).					
CHART PLANVIEW NOTE AT JALOT: (RNP 0.60).					
CHART PROFILE NOTE: SEE PLANVIEW FOR MULTIPLE IF LOCATIONS.					
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).					
CHART SPEED ICON IN PLANVIEW AT EFFXX: MAX 210 KIAS.					
CHART SPEED ICON IN PLANVIEW AT VOGUE: MAX 190 KIAS.					
CHART SPEED ICON IN PLANVIEW AT ICWEB: MAX 180 KIAS.					
CITY AND STATE		ELEVATION: 944	TDZE: 944	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
ONTARIO, CA		AIRPORT NAME:		RNAV	RNAV (RNP) Z RWY 8L, AMDT 1
		ONTARIO INTL			27 APRIL 2017
					SUP: 19
					AMDT: ORIG-D
					DATED: 05/26/2016

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						
EFFXX (IAF)		RUKKY (TF) (FB) (RNP 1.00)		267.05 / 4.03			5100		CLIMB TO 5300 ON TRACK 077.93 TO HOYQU AND ON TRACK 165.31 TO DLIUS AND HOLD, CONTINUE CLIMB-IN-HOLD TO 5300. ADDITIONAL FLIGHT DATA: HOLD E, RT, 260.00 INBOUND. DISTANCE TO THLD FROM 406 HAT: 1.09 NM. ROUTE TYPE: A, H ROUTE TYPE QUALIFIER 1: F ROUTE TYPE QUALIFIER 2: S # TCH 996 MSL (DO NOT CHART). CHART MANDATORY 6000 AT EFFXX. CHART MANDATORY 6000 AT NUTZO.						
RUKKY (IF)		COLTN (TF) (FB) (RNP 1.00)		267.00 / 3.50			4200								
COLTN		YAFFS (RF) (FB) (RNP 1.00)		(2.22 NM RADIUS CW (CFCFS))/3.45			3200								
YAFFS		YETTS (TF) (FB) (RNP 1.00)		356.08 / 1.12			2900								
YETTS		STAAG (RF) (FB) (RNP 0.80)		(2.24 NM RADIUS CW (CFCFV))/3.20			2000								
(SEE FORM 8260-10)															
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. PROFILE STARTS AT STAAG _____ 3. FAC: <u>077.93</u> FAF: _____ DIST FAF TO MAP: _____ THLD: _____ 4. MIN. ALT: STAAG 2000 5. DIST TO THLD FROM OM: <u>3.15</u> MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: <u>2000</u> GS ALT AT: STAAG 2000 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: <u>3.00</u> TCH: <u>60.0</u> # <u>34:1</u> IS CLEAR 8. MSA FROM: RW08R 11300															
											MAG VAR: 12E EPOCH YEAR: 2020				
MINIMUMS															
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT								ALTERNATE: N A ☒ X							
CATEGORY ==>		A		B		C		D		E					
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
AUTHORIZATION REQUIRED															
RNP 0.30 DA	1342	1 3/8	406	1342	1 3/8	406	1342	1 3/8	406	1342	1 3/8	406			
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW 2C (36F) OR ABOVE 54C (130F). CHART PLANVIEW NOTE: GPS REQUIRED. CHART SPEED ICON IN PLANVIEW AT EFFXX : MAX 210 KIAS. (CONTINUED ON PAGE 2)															
CITY AND STATE		ELEVATION: 944 TDZE: 936		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:					
ONTARIO, CA		AIRPORT NAME: ONTARIO INTL				RNAV (RNP) Z RWY 8R, ORIG 27 APRIL 2017				AMDT: NONE					
										DATED 22					

 QUALITY
CHECKED

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.	
RNAV (RNP) - STANDARD, INSTRUMENT APPROACH PROCEDURE, - TITLE 14 CFR PART 97.33					
TERMINAL ROUTES, (CONT.):					
FROM		TO	COURSE AND DISTANCE	ALTITUDE	
NUTZO (IAF)	OUTCH (TF) (FB) (RNP 1.00)		258.22 / 6.60	5600	
OUTCH (IF)	PRMNT (TF) (FB) (RNP 1.00)		258.16 / 3.94	4500	
PRMNT	NIPKE (TF) (FB) (RNP 1.00)		258.00 / 2.94	3700	
NIPKE	ICILO (RF) (FB) (RNP 0.30)		(2.02 NM RADIUS CCW (CFCGD))/3.53	2800	
ICILO	STAAG (RF) (FB) (RNP 0.30)		(1.99 NM RADIUS CCW (CFCHH))/2.78	2000	
JALOT (IAF)	GRHRT (TF) (FB) (RNP 0.80)		079.94 / 3.60	2900	
GRHRT (IF)	STAAG (TF) (FB) (RNP 0.50)		077.58 / 3.03	2000	
STAAG (FAF)	RW08R (MAP) (TF) (FO)		077.93 / 3.15		
RW08R (MAP)	HOYQU (TF) (FB) (RNP 1.00)				
HOYQU	DLIUS (TF) (FO) (RNP 1.00)		165.31/8.24	5300	
NOTES, (CONT.): CHART SPEED ICON IN PLANVIEW AT YETTS : MAX 190 KIAS. CHART SPEED ICON IN PLANVIEW AT NIPKE : MAX 180 KIAS. CHART PLANVIEW NOTE ADJACENT TO EFFXX IAF: RF REQUIRED. CHART PLANVIEW NOTE ADJACENT TO NUTZO IAF: RF REQUIRED. CHART PLANVIEW NOTE AT YETTS: (RNP 0.80). CHART PLANVIEW NOTE AT NIPKE: (RNP 0.30). CHART PLANVIEW NOTE AT JALOT: (RNP 0.80). CHART PLANVIEW NOTE AT GRHRT: (RNP 0.50). CHART PROFILE NOTE: SEE PLANVIEW FOR MULTIPLE IF LOCATIONS. CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).					
CITY AND STATE ONTARIO, CA		ELEVATION: 944 AIRPORT NAME: ONTARIO INTL	TDZE: 936	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (RNP) Z RWY 8R, ORIG 27 APRIL 2017
				SUP: 19 AMDT: NONE DATED:	

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION				RNAV (RNP) - STANDARD, INSTRUMENT APPROACH PROCEDURE, TITLE 14 CFR PART 97.33				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.							
TERMINAL ROUTES										MISSED APPROACH					
FROM		TO		COURSE AND DISTANCE				ALTITUDE		RNP: DA CLIMB TO 3400 DIRECT AXOYO AND ON TRACK 173.50 TO LAKVE AND ON TRACK 122.12 TO MRIAM AND ON TRACK 079.23 TO ADRYN AND HOLD. ADDITIONAL FLIGHT DATA: HOLD E, RT, 260.00 INBOUND. DISTANCE TO THLD FROM 393 HAT: 1.05 NM. ROUTE TYPE: A, H ROUTE TYPE QUALIFIER 1: F ROUTE TYPE QUALIFIER 2: S # TCH: 984.07 MSL (DO NOT CHART) CHART MANDATORY 8000 AT RAFII. CHART MANDATORY 9000 AT EAGLZ.					
RAFII (IAF)		AYKAY (TF) (FB) (RNP 1.00)		151.36 / 2.17				7300							
AYKAY		SAKOH (TF) (FB) (RNP 0.70)		151.37 / 1.63				6800							
SAKOH		TAKOE (TF) (FB) (RNP 0.70)		188.22 / 7.88				4300							
EAGLZ (IAF)		RUXNN (TF) (FB) (RNP 0.70)		189.23 / 4.00				7800							
RUXNN		GAREY (TF) (FB) (RNP 0.70)		189.22 / 2.59				7200							
(SEE FORM 8260-10)															
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)															
2. PROFILE STARTS AT TAKOE															
3. FAC: <u>258.06</u> FAF: _____ DIST FAF TO MAP: _____ THLD: _____															
4. MIN. ALT: TAKOE 4300, TESRE 2900															
5. DIST TO THLD FROM OM: <u>6.02</u> MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____															
6. MIN GS INCPT: <u>2900</u> GS ALT AT: TESRE 2900 OM: _____ MM: _____ IM: _____															
7. GS ANGLE: <u>3.00</u> TCH: <u>57.9</u> # <u>34:1</u> IS CLEAR															
8. MSA FROM: RW26L 11300															
MINIMUMS															
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT								ALTERNATE: N A		STANDARD					
CATEGORY =====>		A		B		C		D		E					
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
AUTHORIZATION REQUIRED															
RNP 0.30 DA	1319	4500	393	1319	4500	393	1319	4500	393	1319	4500	393			
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW 1C (34F) OR ABOVE 54C (130F). CHART NOTE: GPS REQUIRED. CHART PLANVIEW NOTE AT AYKAY: (RNP 0.50). CHART PLANVIEW NOTE AT EAGLZ: (RNP 0.50). (CONTINUED ON PAGE 2)															
CITY AND STATE		ELEVATION: 944 TDZE: 926		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:						SUP:			
ONTARIO, CA		AIRPORT NAME:				RNAV (RNP) Z RWY 26L, AMDT 1						AMDT: ORIG-D			
		ONTARIO INTL				27 APRIL 2017						DATED 05/26/2016			

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION			Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.	
RNAV (RNP) - STANDARD, INSTRUMENT APPROACH PROCEDURE, - TITLE 14 CFR PART 97.33				
TERMINAL ROUTES, (CONT.):				
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
GAREY	ZIGGY (TF) (FB) (RNP 0.70)	213.07 / 3.94	6000	
ZIGGY	TAKOE (TF) (FB) (RNP 0.70)	213.08 / 5.37	4300	
TAKOE (IF)	TESRE (TF) (FB) (RNP 0.50)	256.94 / 4.85	2900	
TESRE (FAF)	RW26L (MAP) (TF) (FO)	258.06 / 6.02		
RW26L (MAP)	1319 MSL	258.06		
1319 MSL	AXOYO (DF) (FB) (RNP 1.00)			
AXOYO	LAKVE (TF) (FB) (RNP 1.00)	173.50 / 5.14		
LAKVE	MRIAM (TF) (FB) (RNP 1.00)	122.12 / 4.25		
MRIAM	ADRYN (TF) (FO) (RNP 1.00)	079.23 / 3.11	3400	
NOTES, (CONT.):				
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).				
CHART SPEED ICON IN PLANVIEW AT RAFII, EAGLZ: MAX 240 KIAS.				
CHART SPEED ICON IN PLANVIEW AT TAKOE: MAX 210 KIAS.				
CHART NOTE: FOR INOPERATIVE ALS, INCREASE RNP 0.30 ALL CATS VISIBILITY TO 1 1/4 SM.				
QUALITY 20 CHECKED				
CITY AND STATE	ELEVATION: 944	TDZE: 926	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
ONTARIO, CA	AIRPORT NAME:		RNAV	RNAV (RNP) Z RWY 26L, AMDT 1
	ONTARIO INTL			27 APRIL 2017
			SUP:	
			AMDT: ORIG-D	
			DATED: 05/26/2016	

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						
RAFII (IAF)		AYKAY (TF) (FB) (RNP 1.00)		151.36 / 2.17				7300		CLIMB TO 3400 DIRECT EGYAZ AND ON TRACK 173.33 TO LAKVE AND ON TRACK 122.12 TO MRIAM AND ON TRACK 079.23 TO ADRYN AND HOLD.						
AYKAY		SAKOH (TF) (FB) (RNP 0.70)		151.37 / 1.63				6800								
SAKOH		TAKOE (TF) (FB) (RNP 0.70)		188.22 / 7.88				4300								
EAGLZ (IAF)		RUXNN (TF) (FB) (RNP 0.70)		189.23 / 4.00				7800								
RUXNN		GAREY (TF) (FB) (RNP 0.70)		189.22 / 2.59				7200		ADDITIONAL FLIGHT DATA: HOLD E, RT, 260.00 INBOUND. DISTANCE TO THLD FROM 392 HAT: 1.04 NM. ROUTE TYPE QUALIFIER 2: S ROUTE TYPE QUALIFIER 1: F ROUTE TYPE: A, H #TCH 991.39 MSL (DO NOT CHART) CHART MANDATORY 8000 AT RAFII. CHART MANDATORY 9000 AT EAGLZ.						
(SEE FORM 8260-10)																
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)										MAG VAR: 12E EPOCH YEAR: 2020						
2. PROFILE STARTS AT TAKOE																
3. FAC: 258.05 FAF: _____ DIST FAF TO MAP: _____ THLD: _____																
4. MIN. ALT: TAKOE 4300, SCRIM 2900																
5. DIST TO THLD FROM OM: 5.99 MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____																
6. MIN GS INCPT: 2900 GS ALT AT: SCRIM 2900 OM: _____ MM: _____ IM: _____																
7. GS ANGLE: 3.00 TCH: 59.7 # 34:1 IS CLEAR																
8. MSA FROM: RW26R 11300																
MINIMUMS																
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT								ALTERNATE: N A		STANDARD						
CATEGORY ==>		A		B		C		D		E						
		DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
AUTHORIZATION REQUIRED																
RNP 0.30 DA		1324	4000	392	1324	4000	392	1324	4000	392	1324	4000	392			
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW 1C (34F) OR ABOVE 54C (130F). CHART NOTE: GPS REQUIRED. CHART PLANVIEW NOTE AT AYKAY: (RNP 0.50). CHART PLANVIEW NOTE AT EAGLZ: (RNP 0.50). (CONTINUED ON PAGE 2)																
CITY AND STATE		ELEVATION: 944 TDZE: 932		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:						
ONTARIO, CA		AIRPORT NAME:		ONTARIO INTL		RNAV (RNP) Z RWY 26R, AMDT 1				AMDT: ORIG-D						
						27 APRIL 2017				DATED 05/26/2016						

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
GAREY	ZIGGY (TF) (FB) (RNP 0.70)	213.07 / 3.94	6000
ZIGGY	TAKOE (TF) (FB) (RNP 0.70)	213.08 / 5.37	4300
TAKOE (IF)	SCRIM (TF) (FB) (RNP 0.50)	258.31 / 4.87	2900
SCRIM (FAF)	RW26R (MAP) (TF) (FO)	258.05 / 5.99	
RW26R (MAP)	1324 MSL	258.05	
1324 MSL	EGYAZ (DF) (FB) (RNP 1.00)		
EGYAZ	LAKVE (TF) (FB) (RNP 1.00)	173.33 / 5.25	
LAKVE	MRIAM (TF) (FB) (RNP 1.00)	122.12 / 4.25	
MRIAM	ADRYN (TF) (FO) (RNP 1.00)	079.23 / 3.11	3400

NOTES, (CONT.):

CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).

CHART SPEED ICON IN PLANVIEW AT RAFII, EAGLZ : MAX 240 KIAS.

CHART SPEED ICON IN PLANVIEW AT TAKOE : MAX 210 KIAS.



CITY AND STATE ONTARIO, CA	ELEVATION: 944 AIRPORT NAME: ONTARIO INTL	TDZE: 932 RNAV	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (RNP) Z RWY 26R, AMDT 1 27 APRIL 2017	SUP:
					AMDT: ORIG-D
					DATED: 05/26/2016

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: KIZEM							
SAPID		JEFNY (TF) (FB) (RNP 2.00)		000.47 / 6.63			5500		CLIMBING LEFT TURN TO 5400 DIRECT AMEBY AND HOLD, CONTINUE CLIMB-IN-HOLD TO 5400.							
OSI VOR/DME		JEFNY (TF) (FB) (RNP 2.00)		115.48 / 8.72			5100									
JEFNY (IAF)		JIKPE (TF) (FB) (RNP 1.00)		027.45 / 2.00			4600									
JIKPE		AMEBY (TF) (FB) (RNP 1.00)		027.47 / 4.00			3900									
AMEBY (IF)		CUZUP (TF) (FB) (RNP 1.00)		297.50 / 6.16			2000									
(SEE FORM 8260-10)									ADDITIONAL FLIGHT DATA: HOLD SE, LT, 297.44 INBOUND. CHART FAS OBST: 209 T-L TWR 372954N/1221317W CUZUP TO RW30: 3.05/40. CHART: 370 MONUMENT 372539N/1221002W CHART PLANVIEW NOTE: FINAL APPROACH COURSE OFFSET 5.53 DEGREES FAC CROSSES RWY C/L EXTENDED 1000 FT FROM THLD.							
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)																
2. PROFILE STARTS AT AMEBY																
3. FAC: 297.44 FAF: CUZUP DIST FAF TO MAP: 5.87 THLD: 6.04																
4. MIN. ALT: AMEBY 3900, CUZUP 2000																
5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____																
6. MIN GS INCPT: _____ GS ALT AT: _____ OM: _____ MM: _____ IM: _____																
7. GS ANGLE: _____ TCH: 34:1 IS NOT CLEAR																
8. MSA FROM: KIZEM 5200																
MAG VAR: 15E EPOCH YEAR: 2000																
MINIMUMS																
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT										ALTERNATE: N A		@				
CATEGORY =====>		A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	
LNAV MDA	1260	1 1/4	1255	1260	1 1/4	1255		NA			NA					
CIRCLING	1260	1 1/4	1255	1260	1 1/2	1255		NA			NA					
NOTES: CHART NOTE: DME/DME RNP-0.3 NA. CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}). CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE SAN FRANCISCO INTL ALTIMETER SETTING AND INCREASE ALL MDA 40 FEET. (CONTINUED ON PAGE 2)																
CITY AND STATE SAN CARLOS, CA		ELEVATION: 5 TDZE: 5 AIRPORT NAME: SAN CARLOS		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) Y RWY 30, ORIG-B 27 APRIL 2017					SUP: AMDT: ORIG-A DATED 09/15/2016					



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
CUZUP (FAF)	KIZEM (MAP) (TF) (FO) (RNP 0.30)	297.44 / 5.87	
KIZEM (MAP)	405 MSL	297.44	
405 MSL	AMEBY (DF) (FO) (RNP 1.00)		5400

NOTES, (CONT.):

CHART NOTE: RWY 30 VISIBILITY REDUCTION BY HELICOPTERS BELOW 1 SM NOT AUTHORIZED.

CHART NOTE: CIRCLING NA WEST OF RWY 12-30.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT OSI VOR/DME ON T261 SOUTHWESTBOUND.

CITY AND STATE
SAN CARLOS, CA

ELEVATION: 5 TDZE: 5
AIRPORT NAME:
SAN CARLOS

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:
RNAV (GPS) Y RWY 30, ORIG-B
27 APRIL 2017

SUP: **QUALITY**
4
AMDT: **ORIG-A**
CHECKED
DATED: 09/15/2016

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: KIZEM							
SAPID		JEFNY (TF) (FB) (RNP 2.00)		000.47 / 6.63				5500		CLIMBING LEFT TURN TO 5400 DIRECT AMEBY AND HOLD, CONTINUE CLIMB-IN-HOLD TO 5400. MISSED APPROACH REQUIRES MINIMUM CLIMB OF 302 FEET PER NM TO 5400.							
OSI VOR/DME		JEFNY (TF) (FB) (RNP 2.00)		115.48 / 8.72				5100									
JEFNY (IAF)		JIKPE (TF) (FB) (RNP 1.00)		027.45 / 2.00				4600									
JIKPE		AMEBY (TF) (FB) (RNP 1.00)		027.47 / 4.00				3900									
AMEBY (IF)		CUZUP (TF) (FB) (RNP 1.00)		297.50 / 6.16				2000									
(SEE FORM 8260-10)										ADDITIONAL FLIGHT DATA: HOLD SE, LT, 297.44 INBOUND. CHART FAS OBST: 209 T-L TWR 372954N/1221317W CUZUP TO RW30: 3.05/40. CHART 370: MONUMENT 372539N/1221002W CHART PLANVIEW NOTE: FINAL APPROACH COURSE OFFSET 5.53 DEGREES. FAC CROSSES RWY C/L EXTENDED 1000 FT FROM THLD.							
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)										MAG VAR: 15E EPOCH YEAR: 2000							
2. PROFILE STARTS AT AMEBY																	
3. FAC: 297.44 FAF: CUZUP _____ DIST FAF TO MAP: 5.87 THLD: 6.04																	
4. MIN. ALT: AMEBY 3900, CUZUP 2000																	
5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____																	
6. MIN GS INCPT: _____ GS ALT AT: _____ OM: _____ MM: _____ IM: _____																	
7. GS ANGLE: _____ TCH: 34:1 IS NOT CLEAR																	
8. MSA FROM: KIZEM 5200																	
MINIMUMS																	
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT								ALTERNATE: N A		@							
CATEGORY =====>		A			B			C			D			E			
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA		
LNAV MDA	900	1 1/4	895	900	1 1/2	895		NA			NA						
NOTES: CHART NOTE: DME/DME RNP-0.3 NA. CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}). CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE SAN FRANCISCO INTL ALTIMETER SETTING AND INCREASE ALL MDA 40 FEET. (CONTINUED ON PAGE 2)																	
CITY AND STATE SAN CARLOS, CA		ELEVATION: 5 TDZE: 5 AIRPORT NAME: SAN CARLOS				FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) Z RWY 30, AMDT 1B 27 APRIL 2017						SUP: AMDT: 1A DATED 09/15/2016			

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
CUZUP (FAF)	KIZEM (MAP) (TF) (FO) (RNP 0.30)	297.44 / 5.87	
KIZEM (MAP)	405 MSL	297.44	
405 MSL	AMEBY (DF) (FO) (RNP 1.00)		5400

NOTES, (CONT.):

CHART PLANVIEW NOTE: IF UNABLE TO COMPLY WITH CLIMB GRADIENT, USE RNAV (GPS) Y RWY 30.

CHART NOTE: RWY 30 VISIBILITY REDUCTION BY HELICOPTERS BELOW 1 SM NOT AUTHORIZED.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT OSI VOR/DME ON T261 SOUTHWEST BOUND.

CITY AND STATE
SAN CARLOS, CA

ELEVATION: 5 TDZE: 5
AIRPORT NAME:
SAN CARLOS

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:
RNAV (GPS) Z RWY 30, AMDT 1B
27 APRIL 2017

SUP:
AMDT: 1A
DATED: 09/15/2016

QUALITY
18
CHECKED

RNAV - STANDARD US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION						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: RW08 CLIMB TO 2000 DIRECT YEJWO AND HOLD. ADDITIONAL FLIGHT DATA: HOLD E, RT, 256.67 INBOUND. FAS OBST: 229 AAO 302754N/0814647W CHART MAYPORT HIGH/LOW MOA. DISTANCE TO THLD FROM 200 HAT: 0.47 NM. CHART VDP AT 1.19 NM TO RW08* *LNAV ONLY. WAAS CHANNEL # 50526 REFERENCE PATH ID: W08A LTP HAE: -19.4 M									
ZOLUV (IAF)			UDAQI (NOPT) (TF) (FB) (RNP 1.00)			166.41 / 5.50			2000												
IJAYU (IAF)			UDAQI (NOPT) (TF) (FB) (RNP 1.00)			346.44 / 5.50			2000												
UDAQI (IF/IAF)			IVTEF (TF) (FB) (RNP 1.00)			076.43 / 6.73			1900												
IVTEF (FAF)			RW08 (MAP) (TF) (FO) (RNP 0.30)			076.49 / 5.71			2000												
RW08 (MAP)			229 MSL (CA)			076.49															
229 MSL			YEJWO (DF) (FO) (RNP 1.00)																		
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD W UDAQI, RT, 076.43 INBOUND, 2000 FT. IN LIEU OF PT (IAF) 3. FAC: 076.49 FAF: IVTEF DIST FAF TO MAP: 5.71 THLD: 5.71 4. MIN. ALT: UDAQI 2000, IVTEF 1900 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 1900 GS ALT AT: IVTEF 1900 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 51.4 34:1 IS CLEAR 8. MSA FROM: _____												MAG VAR: 6W			EPOCH YEAR: 2010						
MINIMUMS																					
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT										ALTERNATE: N A		STANDARD									
CATEGORY ==>		A			B			C			D			E							
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA						
LPV DA	229	2400	200	229	2400	200	229	2400	200	229	2400	200									
LNAV/VNAV DA	363	3200	334	363	3200	334	363	3200	334	363	3200	334									
LNAV MDA	480	2400	451	480	2400	451	480	4500	451	480	4500	451									
CIRCLING																					
	520	1	491	520	1	491	520	1 1/2	491	640	2	611									
NOTES:																					
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -5C (23F) OR ABOVE 54C (130F).																					
CHART NOTE: DME/DME RNP-0.3 NA.																					
CHART SPEED ICON IN PLANVIEW AT ZOLUV : MAX 210 KIAS.																					
CHART SPEED ICON IN PLANVIEW AT IJAYU : MAX 210 KIAS.																					
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).																					
CITY AND STATE				ELEVATION: 29 TDZE: 29				FACILITY IDENTIFIER: RNAV				PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:					
JACKSONVILLE, FL				AIRPORT NAME: JACKSONVILLE INTL								RNAV (GPS) Z RWY 8, AMDT 2A				AMDT: 2					
								27 APRIL 2017								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.

TAA

	FROM	TO	ALT
1.	346/30 CW 166/30 (NOPT)	UDAQI (IF/IAF) (FB)	2000
2.	166/30 CW 256/30	ZOLUV (IAF) (FB)	2700
3.	256/30 CW 346/30	IJAYU (IAF) (FB)	2100

QUALITY
24
CHECKED

CITY AND STATE JACKSONVILLE, FL	ELEVATION: 29 TDZE: 29 AIRPORT NAME: JACKSONVILLE INTL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) Z RWY 8, AMDT 2A 27 APRIL 2017	SUP:
				AMDT: 2
				DATED: 01/10/2013

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

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

FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KJAX
RUNWAY	RW08
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	Z
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W08A
LTP/FTP LATITUDE	302946.3800N
LTP/FTP LONGITUDE	0814159.8735W
LTP/FTP ELLIPSOIDAL HEIGHT	-00194
FPAP LATITUDE	303019.3400N
FPAP LONGITUDE	0814012.1000W
THRESHOLD CROSSING HEIGHT (TCH)	00051.4
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>	57704BDC
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ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+00089
FPAP ORTHOMETRIC HEIGHT	+00089

QUALITY
24
CHECKED

CITY AND STATE JACKSONVILLE, FL	ELEVATION: 29 TDZE: 29 AIRPORT NAME: JACKSONVILLE INTL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) Z RWY 8, AMDT 2A 27 APRIL 2017	SUP:
				AMDT: 2
				DATED: 01/10/2013

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

PAGE 1 OF 1 PAGES

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION NDB STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.27										Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.									
TERMINAL ROUTES										MISSED APPROACH									
FROM		TO			COURSE AND DISTANCE				ALTITUDE		MAP: IQJOV/2.50 DME								
PNI NDB		TRADD/PNI 11.00 DME			072.00 / 11.00				4000		CLIMBING RIGHT TURN TO 3000 ON HEADING 120 AND ON PNI NDB BRG-072 TO TRADD/PNI 11.00 DME AND HOLD.								
TRADD/PNI 11.00 DME (IF)		WIMIR/PNI 5.00 DME			252.00 / 6.00				1700										
										ADDITIONAL FLIGHT DATA: CHART FAS OBST: 648 TREE 065752N/1581344E CHART CIRCLING ICON. FAC CROSSES RWY C/L 1003 FT FROM RWY 27 THLD									
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)																			
2. HOLD E TRADD, RT, 252.00 INBOUND, 3000 FT. IN LIEU OF PT (IAF)																			
3. FAC 252.00 FAF WIMIR/PNI 5.00 DME										DIST FAF TO MAP _____ THLD _____									
4. MIN. ALT TRADD 3000, WIMIR 1700																			
8. MSA FROM: PNI NDB 3800										MAG VAR: 7E EPOCH YEAR:1990									
MINIMUMS																			
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT										ALTERNATE: N A		@							
CATEGORY =====>		A			B			C			D			E					
		MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA			
CIRCLING		960	1 3/4	951	960	1 3/4	951	960	3	951	960	3	951						
NOTES:																			
CHART NOTE: OBTAIN LOCAL ALTIMETER SETTING ON CTAF; WHEN NOT RECEIVED, PROCEDURE NA.										@ CAT A, B 1000-2, CAT C, D 1000-3									
CHART NOTE: CIRCLING NA S OF RWY 9-27.																			
CHART NOTE: PROCEDURE NA AT NIGHT EXCEPT BY PRIOR ARRANGEMENT FOR RUNWAY LIGHTS.																			
CHART NOTE: DME REQUIRED.																			
(CONTINUED ON PAGE 2)																			
CITY AND STATE		ELEVATION: 9			TDZE:			FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:					SUP				
POHNPEI ISLAND, FM		AIRPORT NAME:						PNI		NDB-A, ORIG					AMDT NONE				
		POHNPEI INTL								27 APRIL 2017					DATE				

**NDB STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - - TITLE 14 CFR PART 97.27**

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

NOTES, (CONT.):**CHART PLANVIEW NOTE: DME REQUIRED.****CHART NOTE: NO CONTROLLED AIRSPACE BELOW 5500 FEET.****CHART NOTE: SHIPS WITH MAXIMUM HEIGHT OF 150 FT MSL MAY TRAVERSE POHNPEI CHANNEL 400 FT OFF
APPROACH END OF RUNWAY 9, CLOSING AIRPORT AT TIMES.**

CITY AND STATE

POHNPEI ISLAND, FM

ELEVATION: 9**TDZE:**

AIRPORT NAME:

POHNPEI INTL

FACILITY
IDENTIFIER:

PNI

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

NDB-A, ORIG

27 APRIL 2017

SUP:

AMDT:

DATED:

QUALITY
24
CHECKED

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION NDB/DME OR GPS 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 =====>																			
		MDA	VIS			MDA	VIS			MDA	VIS			MDA	VIS				
NOTES:																			
PROCEDURE CANCELED EFFECTIVE 27 APRIL 2017																			
CITY AND STATE POHNPEI ISLAND, FM				ELEVATION: 8 AIRPORT NAME: POHNPEI INTL				TDZE:		FACILITY IDENTIFIER: PNI		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: NDB/DME OR GPS-A, AMDT 1B, 09/25/2008				SUP AMDT DATE		1A 06/27/1997	



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: EVUTY CLIMB TO 3000 DIRECT WULON AND HOLD. ADDITIONAL FLIGHT DATA: HOLD W, RT, 082.76 INBOUND. CHART FAS OBST: 270 TREE 065943N/1581352E UKOSY TO RW27: 3.00/50. CHART CIRCLING ICON. FAC CROSSES RWY C/L EXTENDED 1500 FT FROM THLD. CHART PLANVIEW NOTE: FINAL APPROACH COURSE OFFSET 5.14 DEGREES.									
ADUFO		OHAFU (FO)		103.62 / 41.04				3000											
BIRUQ		OHAFU (FO)		084.69 / 42.71				3000											
AFOYU (IAF)		OHAFU (NOPT) (FB)		326.92 / 22.89				3000											
AXTEN (IAF)		OHAFU (NOPT) (FB)		297.50 / 18.97				3000											
HAVNU (IAF)		OHAFU (NOPT) (FB)		247.69 / 17.28				3000											
OHAFU (IF/IAF)		UKOSY (FB)		258.16 / 6.67				1700											
UKOSY (FAF)		CUSOS/1.40 NM TO EVUTY (FB)		258.14 / 2.06															
(SEE FORM 8260-10)																			
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD E OHAFU, RT, 258.16 INBOUND, 3000 FT. IN LIEU OF PT (IAF) 3. FAC: 258.14 FAF: UKOSY DIST FAF TO MAP: 3.46 THLD: 5.16 4. MIN. ALT: OHAFU 3000, UKOSY 1700, CUSOS/1.40 NM TO EVUTY 1040 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: _____ GS ALT AT: _____ OM: _____ MM: _____ IM: _____ 7. GS ANGLE: _____ TCH: 34:1 IS CLEAR 8. MSA FROM: EVUTY 3800																MAG VAR: 7E		EPOCH YEAR: 1985	
MINIMUMS																			
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT										ALTERNATE: N A		STANDARD @							
CATEGORY =====>		A		B		C		D		E									
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA				
LNAV MDA	720	2	711	720	2	711	720	2	711	720	2	711							
CIRCLING	720	2	711	720	2	711	720	2	711	720	2 1/4	711							
NOTES: CHART NOTE: OBTAIN LOCAL ALTIMETER SETTING ON CTAF; WHEN NOT RECEIVED, PROCEDURE NA. @ CAT D 800-2 1/4 CHART NOTE: CIRCLING NA S OF RWY 9-27. CHART NOTE: PROCEDURE NA AT NIGHT EXCEPT BY PRIOR ARRANGEMENT FOR RUNWAY LIGHTS. CHART NOTE: DME/DME RNP-0.3 NA. (CONTINUED ON PAGE 2)																			
CITY AND STATE		ELEVATION: 9 TDZE: 9		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:									
POHNPEI ISLAND, FM		AIRPORT NAME:				RNAV (GPS) RWY 27, AMDT 2				AMDT: 1									
		POHNPEI INTL				27 APRIL 2017				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, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
CUSOS/1.40 NM TO EVUTY	EVUTY (MAP) (FO)	258.14 / 1.40	
EVUTY (MAP)	409 MSL	258.14	
409 MSL	WULON (FO)		3000

NOTES, (CONT.):

CHART NOTE: NO CONTROLLED AIRSPACE BELOW 5500.

CHART NOTE: SHIPS WITH MAXIMUM HEIGHT OF 150 FT MSL MAY TRAVERSE POHNPEI CHANNEL 400 FT OFF
APPROACH END OF RUNWAY 9, CLOSING AIRPORT AT TIMES.

CITY AND STATE

POHNPEI ISLAND, FM

ELEVATION: 9

TDZE: 9

AIRPORT NAME:

POHNPEI INTL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 27, AMDT 2

27 APRIL 2017

SUP:

AMDT:

1

DATED:

01/10/2013

QUALITY
24
CHECKED

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

ARINC SUMMARY - PTPN

ROUTES

TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE
ADUFO	010	ADUFO	IF	FB										E
ADUFO	020	OHAFU	TF	FO	2.0	103.6						AA 03000		EY
ADUFO	030	OHAFU	HF	FO		258.2			R			AA 03000		EE A
AFOYU	010	AFOYU	IF	FB										E A
AFOYU	020	OHAFU	TF	FB	1.0	326.9						AA 03000		EE B
AXTEN	010	AXTEN	IF	FB										E A
AXTEN	020	OHAFU	TF	FB	1.0	297.5						AA 03000		EE B
BIRUQ	010	BIRUQ	IF	FB										E
BIRUQ	020	OHAFU	TF	FO	2.0	084.7						AA 03000		EY
BIRUQ	030	OHAFU	HF	FO		258.2			R			AA 03000		EE A
HAVNU	010	HAVNU	IF	FB										E A
HAVNU	020	OHAFU	TF	FB	1.0	247.7						AA 03000		EE B
	010	OHAFU	IF	FB								AA 03000		E I
	020	UKOSY	TF	FB	1.0	258.2				EVUTY		AA 01700		E F
	021	CUSOS	TF	FB	0.3	258.1		3.00				AA 01040 GS 01046		E S
	030	EVUTY	TF	FO	0.3	258.1		3.00				AT 00600		EY M
	040		CA	FB		258.1						AA 00409		M
	050	WULON	DF	FO	1.0							AA 03000		EY
	060	WULON	HM	FO		082.8			R			AA 03000		EE

POINTS

POINT NAME	LATITUDE	LONGITUDE
ADUFO	N071437.94	E1574621.58
AFOYU	N063925.86	E1583506.19
AXTEN	N064917.75	E1584042.11
BIRUQ	N070123.21	E1574203.22
HAVNU	N070440.55	E1584144.65
CUSOS	N065920.71	E1581614.57
EVUTY	N065913.55	E1581450.40
OHAFU	N070005.20	E1582458.96
UKOSY	N065931.21	E1581818.12
WULON	N065906.59	E1580011.78

RUNWAYS

THRESHOLD	THRESHOLD	THRESHOLD	PROCEDURE
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QUALITY
25
CHECKED

CITY AND STATE POHNPEI ISLAND, FM	ELEVATION: 9 TDZE: 9	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 27, AMDT 2	SUP:
	AIRPORT NAME: POHNPEI INTL	RNAV	27 APRIL 2017	AMDT: 1
				DATED: 01/10/2013

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICES - 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.	
RUNWAY	LATITUDE	LONGITUDE	ELEVATION	TCH	
RW27	N065906.18	E1581308.09	00008	51	
CITY AND STATE POHNPEI ISLAND, FM		ELEVATION: 9 AIRPORT NAME: POHNPEI INTL		TDZE: 9 FACILITY IDENTIFIER: RNAV	
				PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 27, AMDT 2 27 APRIL 2017	
				SUP: AMDT: 1 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.												
TERMINAL ROUTES										MISSED APPROACH						
FROM		TO		COURSE AND DISTANCE				ALTITUDE		LNAV: RW09 CLIMB TO 3000 DIRECT OHAFU AND HOLD. ADDITIONAL FLIGHT DATA: HOLD E, RT, 258.16 INBOUND. CHART FAS OBST: 697 BUSH 065840N/1581125E CHART VDP AT 2.81 NM TO RW09. VIZOR TO RW09: 3.00/51. CHART CIRCLING ICON.						
HAVNU		WULON (FO)		255.41 / 41.68				3000								
AXTEN		WULON (FO)		276.67 / 41.45				4000								
AFOYU		WULON (FO)		292.46 / 39.87				4000								
ADUFO (IAF)		WULON (NOPT) (FB)		131.30 / 20.69				3000								
BIRUQ (IAF)		WULON (NOPT) (FB)		090.14 / 18.18				3000								
WULON (IF/IAF)		VIZOR (FB)		082.76 / 6.00				1900								
VIZOR (FAF)		RW09 (MAP) (FO)		083.25 / 5.78												
(SEE FORM 8260-10)																
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD W WULON, RT, 082.76 INBOUND, 3000 FT. IN LIEU OF PT (IAF) 3. FAC: 083.25 FAF: VIZOR DIST FAF TO MAP: 5.78 THLD: 5.78 4. MIN. ALT: WULON 3000, VIZOR 1900 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: _____ GS ALT AT: _____ OM: _____ MM: _____ IM: _____ 7. GS ANGLE: _____ TCH: 34:1 IS CLEAR 8. MSA FROM: RW09 3800																
										MAG VAR: 7E			EPOCH YEAR: 1985			
MINIMUMS																
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT								ALTERNATE: N A		@						
CATEGORY =====>		A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	
LNAV MDA	960	1 1/4	951	960	1 1/2	951	960	3	951	960	3	951				
CIRCLING	960	1 1/4	951	960	1 1/2	951	960	3	951	960	3	951				
NOTES: CHART NOTE: OBTAIN LOCAL ALTIMETER SETTING ON CTAF; WHEN NOT RECEIVED, PROCEDURE NA. @ CAT A, B 1000-2, CAT C, D 1000-3 CHART NOTE: CIRCLING NA S OF RWY 9-27. CHART NOTE: PROCEDURE NA AT NIGHT EXCEPT BY PRIOR ARRANGEMENT FOR RUNWAY LIGHTS. CHART NOTE: DME/DME RNP-0.3 NA. (CONTINUED ON PAGE 2)																
CITY AND STATE		ELEVATION: 9 TDZE: 9		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP: RNAV (GPS) RWY 9						
POHNPEI ISLAND, FM		AIRPORT NAME: POHNPEI INTL				RNAV (GPS) X RWY 9, AMDT 1				AMDT: ORIG-A						
						27 APRIL 2017				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, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
RW09 (MAP)	409 MSL	083.25	
409 MSL	OHAFU (FO)		3000

NOTES, (CONT.):

CHART NOTE: NO CONTROLLED AIRSPACE BELOW 5500.

CHART NOTE: SHIPS WITH MAXIMUM HEIGHT OF 150 FT MSL MAY TRAVERSE POHNPEI CHANNEL 400 FT OFF APPROACH END OF RUNWAY, CLOSING AIRPORT AT TIMES.

QUALITY
24
CHECKED

CITY AND STATE

POHNPEI ISLAND, FM

ELEVATION: 9

TDZE: 9

AIRPORT NAME:

POHNPEI INTL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) X RWY 9, AMDT 1

27 APRIL 2017

SUP: RNAV (GPS) RWY 9

AMDT: ORIG-A

DATED: 09/25/2008

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

ARINC SUMMARY - PTPN

ROUTES

TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE
ADUFO	010	ADUFO	IF	FB										E A
ADUFO	020	WULON	TF	FB	1.0	131.3						AA 03000		EE B
AFOYU	010	AFOYU	IF	FB										E
AFOYU	020	WULON	TF	FO	2.0	292.5						AA 04000		EY
AFOYU	030	WULON	HF	FO		082.8			R			AA 03000		EE A
AXTEN	010	AXTEN	IF	FB										E
AXTEN	020	WULON	TF	FO	2.0	276.7						AA 04000		EY
AXTEN	030	WULON	HF	FO		082.8			R			AA 03000		EE A
BIRUQ	010	BIRUQ	IF	FB										E A
BIRUQ	020	WULON	TF	FB	1.0	090.1						AA 03000		EE B
HAVNU	010	HAVNU	IF	FB										E
HAVNU	020	WULON	TF	FO	1.0	255.4						AA 03000		EY
HAVNU	030	WULON	HF	FO		082.8			R			AA 03000		EE A
	010	WULON	IF	FB								AA 03000		E I
	020	VIZOR	TF	FB	1.0	082.8				RW09		AA 01900		E F
	030	RW09	TF	FO	0.3	083.3		3.00				AT 00060		GY M
	040		CA	FB		083.3						AA 00409		M
	050	OHAFU	DF	FO	1.0							AA 03000		EY
	060	OHAFU	HM	FO		258.2			R			AA 03000		EE

POINTS

POINT NAME	LATITUDE	LONGITUDE
ADUFO	N071437.94	E1574621.58
AFOYU	N063925.86	E1583506.19
AXTEN	N064917.75	E1584042.11
BIRUQ	N070123.21	E1574203.22
HAVNU	N070440.55	E1584144.65
OHAFU	N070005.20	E1582458.96
VIZOR	N065908.07	E1580613.69
WULON	N065906.59	E1580011.78

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH

**QUALITY
24
CHECKED**

CITY AND STATE POHNPEI ISLAND, FM	ELEVATION: 9 TDZE: 9	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP: RNAV (GPS) RWY 9
	AIRPORT NAME: POHNPEI INTL	RNAV	RNAV (GPS) X RWY 9, AMDT 1	AMDT: ORIG-A
			27 APRIL 2017	DATED: 09/25/2008

RW09	N065906.49	E1581202.55	00009	51
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CITY AND STATE POHNPEI ISLAND, FM	ELEVATION: 9	TDZE: 9	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) X RWY 9, AMDT 1 27 APRIL 2017	SUP: RNAV (GPS) RWY 9
	AIRPORT NAME: POHNPEI INTL	AMDT: ORIG-A			
	DATED: 09/25/2008				



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		RNP: DA (DO NOT EXCEED 230 KIAS UNTIL WRENS) CLIMB TO 2300 ON THE RNAV MISSED APPROACH ROUTE TO WRENS AND HOLD, ADDITIONAL FLIGHT DATA: HOLD E, RT, 263.27 INBOUND. CHART FAS OBST: 697 BUSH 065840N/1581124E DISTANCE TO THLD FROM 903 HAT: 2.68 NM ROUTE TYPE: A, H ROUTE TYPE QUALIFIER1: F ROUTE TYPE QUALIFIER2: S #TCH 58.8 (DO NOT CHART)				
HAVNU (40E) WRENS (IAF) (40E) (43A) TEGUA CCW (IF)(40E)(42R)(43B) NAIRA (40E) (43I)		WRENS (TF) (FB) RNP 1.00 (40E) (43A) TEGUA (TF) (FB) RNP 1.00 (40E) (43B) NAIRA (RF) (FB) RNP 0.30 (40E) (42R) VIZOR (TF) (FB) RNP 0.30 (40E) (43F)			268.55 / 25.32 263.27 / 12.07 (4.00 NM RADIUS CCW CFCLH)/12.57 83.25 / 2.00				7000 2300 2300 1900		2300 1900 2300				
BIRUQ (IAF) (40E) (43A) NAIRA (IF) (40E) (43I) VIZOR (FAF) (40E) (43F) RW09 (MAP)(40G)		NAIRA (TF) (FB) RNP 0.50 (40E) (43B) VIZOR (TF) (FB) RNP 0.30 (40E) (43F) RW09 (TF) (FB) (40G) (43M) ZULTO (TF) (FB) RNP 0.30 (40E) (42M)			88.76 / 22.15 83.25 / 2.00 83.25 / 5.78 83.25 / 4.29				2300 1900						
ZULTO CCW (40E) YOGAS CCW (40E)		YOGAS (RF) (FB) RNP 0.50 (40E) WRENS (RF) (FO) RNP 1.00 (40E) (41Y)			(4.00 NM RADIUS CCW CFCMK)/4.21 (4.00 NM RADIUS CCW CFCMK)/8.36				2300						
1. PT <u>NA</u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. PROFILE STARTS AT VIZOR 3. FAC: <u>83.25</u> FAF: <u> </u> DIST FAF TO MAP: <u> </u> THLD: <u> </u> 4. MIN ALT: <u>VIZOR 1900</u> 5. DIST TO THLD FROM OM: <u>5.78</u> MM: <u> </u> IM: <u> </u> 150 HAT: <u> </u> 100 HAT: <u> </u> GS ANT: <u> </u> 6. MIN GS INCPT: <u>1900</u> GS ALT AT: <u>VIZOR 1900</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: <u>RW09 3800</u>															
MINIMUMS															
TAKEOFF: SEE FORM 8260-15 FOR THIS AIRPORT						ALTERNATE: N A				STANDARD					
CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
AUTHORIZATION REQUIRED															
RNP 0.30 DA	912	4	903	912	4	903	912	4	903	912	4	903			
NOTES:															
CHART NOTE: OBTAIN LOCAL ALTIMETER SETTING ON CTAF; WHEN NOT RECEIVED, PROCEDURE NA. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW 20C (68F) OR ABOVE 54C (130F). CHART NOTE: MISSED APPROACH REQUIRES RNP LESS THAN 1.0. CHART NOTE: RF REQUIRED. CHART NOTE: GPS REQUIRED. CHART NOTE: NO CONTROLLED AIRSPACE BELOW 5500 FEET.															
CITY AND STATE		ELEVATION: 9 TDZE: 9		FACILITY IDENTIFIER:		PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:						SUP: RNAV (RNP) Y RWY 9			
POHNPEI ISLAND, FM		AIRPORT NAME:		RNAV		RNAV (RNP) Y RWY 9, AMDT 2 27 APRIL 2017						AMDT: 1			
		POHNPEI INTL										DATED: 05/26/2016			

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

CHART SPEED ICON IN PLANVIEW AT TEGUA: MAX 230 KIAS.

CHART PROFILE NOTE: SEE PLANVIEW FOR MULTIPLE IF LOCATIONS.

CITY AND STATE POHNPEI ISLAND, FM	ELEVATION: 9 TDZE: 9	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (RNP) Y RWY 9, AMDT 2 27 APRIL 2017	SUP: RNAV (RNP) Y RWY 9
	AIRPORT NAME: POHNPEI INTL			AMDT: 1
				DATED: 05/26/2016

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION RNAV INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICES 97.33			Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.	
NOTES CONT: CHART SPEED ICON IN PLANVIEW AT TEGUA: MAX 230 KIAS. CHART PROFILE NOTE: SEE PLANVIEW FOR MULTIPLE IF LOCATIONS.				
CITY AND STATE POHNPEI ISLAND, FM	ELEVATION: 9 TDZE: 9 AIRPORT NAME: POHNPEI INTL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (RNP) Z RWY 9, AMDT 1 27 APRIL 2017	SUP: RNAV (RNP) Z RWY 9 AMDT: 1 DATED: 05/26/2016

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)
TITLE 14 CFR PART 97.37**

Bearings, headings, courses, tracks and radials are magnetic. Elevations 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
POHNPEI ISLAND, FM	POHNPEI INTL	27 APRIL 2017	3

TAKEOFF MINIMUMS:

RWY 9: STANDARD.

RWY 27: 300-1 1/2 OR STANDARD WITH MINIMUM CLIMB OF 215 FT PER NM TO 300, OR ALTERNATIVELY, WITH STANDARD TAKEOFF MINIMUMS AND A NORMAL 200 FT/NM CLIMB GRADIENT, TAKEOFF MUST OCCUR NO LATER THAN 1400 FT PRIOR TO DEPARTURE END OF RUNWAY.

TEXTUAL DEPARTURE PROCEDURES:

RWY 9: CLIMB ON A HEADING BETWEEN 264 CW 083 FROM DEPARTURE END OF RUNWAY TO 2600 BEFORE PROCEEDING ON COURSE.

RWY 27: CLIMB ON A HEADING BETWEEN 264 CW 083 FROM DEPARTURE END OF RUNWAY TO 2600 BEFORE PROCEEDING ON COURSE.

VISUAL CLIMB OVER AIRPORT:

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 27: FENCE 92 FT FROM DER, LEFT TO RIGHT OF CENTERLINE, UP TO 9 FT AGL/15 FT MSL.

TREE 1.2 NM FROM DER, 1175 FT LEFT OF CENTERLINE, 62 FT AGL/203 FT MSL.

CHART NOTE: CAUTION RWY 27: SHIPS WITH WITH MAXIMUM HEIGHT OF 150 FT MSL MAY TRAVERSE POHNPEI CHANNEL 400 FT OFF DEPARTURE END OF RUNWAY, CLOSING AIRPORT AT TIMES.

CONTROLLING OBSTACLES:

RWY 27: 203 FT MSL TREE 065855.16N/1581049.48E

OBSTACLES MANDATING ODP ROUTE DEVELOPMENT: RWY 9/27: 2765 FT MSL AAO 065224.00N/1581346.00E



**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)
TITLE 14 CFR PART 97.37**

Bearings, headings, courses, tracks and radials are magnetic. Elevations 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.

<u>CITY, STATE</u>	<u>AIRPORT</u>	<u>EFFECTIVE DATE</u>	<u>AMDT NO</u>
POHNPEI ISLAND, FM	POHNPEI INTL	27 APRIL 2017	3

REMARKS:

AIRPORT AND SEAPORT OPERATIONS CONTROLLED BY POHNPEI PORT AUTHORITY MITIGATES SURFACE CLEARANCE FOR SHIPS WITH MAXIMUM HEIGHT OF 150 FT IN POHNPEI CHANNEL 400 FT OFF DEPARTURE END OF RWY 27. AIRPORT DIVISION COORDINATES AIRCRAFT MOVEMENTS WITH PORT CONTROL TO ENSURE HARBOR IS CLEAR OF ALL VESSELS DURING TAKEOFF. SOURCE: <http://www.ppa.fm/>

FLIGHT INSPECTED BY:

KENNETH E JACK

Digitally signed by

ALLAN WILL

Jan 28, 2017

OFFICE SYMBOL:

FICO

DATE:

01/13/2017

DEVELOPED BY:

ROBERT ABBOTT

Digitally signed by

ROBERT G ABBOTT

Sep 15, 2016

OFFICE SYMBOL:

AJV-5430

DATE:

APPROVED BY:

LONNIE EVERHART

Digitally signed by

ALLAN WILL

Jan 28, 2017

OFFICE SYMBOL:

AJV-5430

DATE:

REQUIRED EFFECTIVE DATE:

ROUTINE

COORDINATED WITH:

A4A **ALPA** **AOPA** **APA** **HAI** **NBAA**



OTHER:

FM CIVIL AVIATION, POHNPEI PORT AUTHORITY, ZAK

CHANGES - REASONS:

CHANGES:

1. CHANGE RWY 9 TAKEOFF MINIMUMS FROM 400-1 1/2 TO STANDARD
2. CHANGE RWY 27 TAKEOFF MINIMUMS FROM 400-1 1/2 TO 300-1 1/2 OR STANDARD WITH MINIMUM CLIMB OF 215 FT PER NM TO 300, OR ALTERNATIVELY, WITH STANDARD TAKEOFF MINIMUMS AND A NORMAL 200 FT/NM CLIMB GRADIENT, TAKEOFF MUST OCCUR NO LATER THAN 1400 FT PRIOR TO DEPARTURE END OF RUNWAY
3. CHANGE RWY 09 AND 27 TO DEPARTURE PROCEDURES FROM CLIMB RUNWAY HEADING TO 500 THEN FOR RWY 9 A LEFT TURN FOR NORTH OR WEST DEPARTURE AND FOR RWY 27 A RIGHT TURN FOR NORTH OR EAST DEPARTURES AND RUNWAY HEADING TO 1500 BEFORE TURNING FOR SOUTH DEPARTURES TO CLIMB ON A HEADING BETWEEN 264 CW 083 FROM DEPARTURE END OF RUNWAY TO 2600 BEFORE PROCEEDING ON COURSE.
4. UPDATE TAKEOFF OBSTACLES.

REASONS:

1. NO INITIAL CLIMB AREA PENETRATIONS
2. 2/7/2014 OBSTACLE SURVEY
3. 8260.3B PARA 1.2.1 & 2.2, 8260.46F TABLE 2-1-1 AND APPENDIX D, SECTION 1, PARA 10 NOTE REQUIRING MOST ADVERSE CLIMB-TO ALTITUDE TO CLEAR CONTROLLING 2765 FT MSL AAO 40:1 OCS.
4. 02/07/2014 SURVEY.

**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.

[illegible]

MINIMUMS

[illegible]

NOTES:

ADDITIONAL FLIGHT DATA	
1	2
3	4
5	6
7	8
9	10
11	12
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67	68
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77	78
79	80
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93	94
95	96
97	98
99	100

THRE:	RWY:	THRE:	RWY:
THRE:	RWY:	THRE:	RWY:

PROCEDURE CANCELED EFFECTIVE 27 APRIL 2017

LOST COMMUNICATIONS (ALL RWYS):

MAG VAR: EPOCH YEAR: QUALITY

CITY AND STATE AUGUSTA, GA	ELEVATION: 423	FACILITY IDENTIFIER: AGS ASR	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RADAR-1, AMDT 7C, 5/3/2005	SUP
	AIRPORT NAME:			4
	DANIEL FIELD			AMDT:
				DATED:

ILS - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.29						Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.									
TERMINAL ROUTES										MISSED APPROACH					
FROM		TO		COURSE AND DISTANCE				ALTITUDE		ILS: DA CLIMB TO 500 THEN CLIMBING RIGHT TURN TO 5000 ON HNL VORTAC R-171 TO ALANA INT/HNL 13.94 DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 5000. <u>ALTERNATE MA (DO NOT CHART):</u> CLIMB TO 500 THEN CLIMBING RIGHT TURN TO 5000 ON HEADING 140 AND ON CKH VORTAC (SEE FORM 8260-10) ADDITIONAL FLIGHT DATA: HOLD S, RT, 351.00 INBOUND. CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD SW ALANA INT/CKH 17.44 DME, RT, 038.45 INBOUND. CHART OM IN HALF-TONE CHART HNL VORTAC R-277 AT BOOKE CHART PLANVIEW NOTE: DME OR RADAR REQUIRED.					
BOOKE/LIH 58.00 DME/RADAR (IAF)		SELIC INT/I-HNL 17.00 DME/RADAR		110.01 / 15.85 (LIH R-110)				5000							
SELIC INT/I-HNL 17.00 DME/RADAR (IAF)		MAKOA/I-HNL 13.26 DME/RADAR		078.99 / 3.74 (I-HNL)				3300							
MAKOA/I-HNL 13.26 DME/RADAR (IF)		FGTRE/I-HNL LOC/DME 10.42 DME/RADAR		078.99 / 2.84 (I-HNL)				2700							
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. PROFILE STARTS AT MAKOA/I-HNL 13.26 DME/RADAR 3. FAC: <u>078.99</u> FAF: _____ DIST FAF TO MAP: _____ THLD: _____ 4. MIN. ALT: MAKOA 3300, FGTRE 2700 5. DIST TO THLD FROM OM: <u>8.27</u> MM: <u>-</u> IM: <u>-</u> 150 HAT: <u>-</u> 100 HAT: <u>-</u> GS ANT: 1052 6. MIN GS INCPT: <u>2700</u> GS ALT AT: FGTRE 2700 OM: <u>1983</u> MM: <u>-</u> IM: <u>-</u> 7. GS ANGLE: <u>3.00</u> TCH: <u>55.7</u> 8. MSA FROM: HNL VORTAC 360-180 4400, 180-270 4000, 270-360 5300										MAG VAR: 11E		EPOCH YEAR: 1990			
MINIMUMS															
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT								ALTERNATE: N A		ILS: STANDARD					
CATEGORY =====>		A		B		C		D		E					
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
S-ILS 08L	213	1/2	200	213	1/2	200	213	1/2	200	213	1/2	200			
NOTES: CHART PROFILE NOTE: USE I-HNL DME WHEN ON THE LOCALIZER COURSE. CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}). CHART PLANVIEW NOTE: WHEN GS NOT USED, USE LOC RWY 8L PROCEDURE. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT BOOKE ON V15 NORTHWEST BOUND.															
CITY AND STATE HONOLULU, HI		ELEVATION: 13 AIRPORT NAME: DANIEL K. INOUE INTL		TDZE: 13		FACILITY IDENTIFIER: I-HNL		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS RWY 8L, AMDT 23, 04/27/2017				SUP:			
												AMDT: 22			
												DATED 06/03/2010			



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.

MISSED APPROACH INSTRUCTIONS, (CONT.):

R-218 TO ALANA INT/CKH 17.44 DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 5000.

QUALITY
18
CHECKED

CITY AND STATE

HONOLULU, HI

ELEVATION: 13

TDZE: 13

AIRPORT NAME:

DANIEL K. INOUE INTL

FACILITY
IDENTIFIER:
I-HNL

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
ILS RWY 8L, AMDT 23, 04/27/2017

SUP:

AMDT: 22

DATED: 06/03/2010

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 CLIMB TO 480, CAT E CLIMB TO 760 THEN CLIMBING RIGHT TURN TO 3000 ON HEADING 220 AND ON HNL VORTAC R-171 TO ALANA INT/HNL 13.94 DME AND HOLD. ALTERNATE MA (DO NOT CHART): CLIMB TO 480, CAT E CLIMB TO 760 THEN CLIMBING RIGHT TURN TO 3000 ON HEADING 170 (SEE FORM 8260-10) ADDITIONAL FLIGHT DATA: HOLD S, RT, 351.00 INBOUND. CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD SW ALANA/CKH 17.44 DME, RT, 038.45 INBOUND. CHART HNL R-171 AT ALANA. CHART PLANVIEW NOTE: DME OR RADAR REQUIRED.							
ALANA INT/HNL 13.94 DME CW (IAF)		YEPGU/I-IUM 15.93 DME		13.94 DME ARC (HNL LR-214)				3000									
YEPGU/15.93 DME (IF)		PERLY/6.15 DME/RADAR		042.01 / 9.83 (I-IUM)				1500									
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. PROFILE STARTS AT YEPGU 3. FAC: <u>042.01</u> FAF: _____ DIST FAF TO MAP: _____ THLD: _____ 4. MIN. ALT: YEPGU 3000, PERLY 1500 5. DIST TO THLD FROM OM: <u>4.51</u> MM: <u>-</u> IM: <u>-</u> 150 HAT: <u>-</u> 100 HAT: <u>-</u> GS ANT: 1050 6. MIN GS INCPT: <u>1500</u> GS ALT AT: <u>PERLY 1500</u> OM: <u>-</u> MM: <u>-</u> IM: <u>-</u> 7. GS ANGLE: <u>3.00</u> TCH: <u>55.4</u> 8. MSA FROM: HNL VORTAC 360-180 4400, 180-270 4000, 270-360 5300										MAG VAR: 11E		EPOCH YEAR: 1990					
MINIMUMS																	
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT										ALTERNATE: N A		ILS: STANDARD					
CATEGORY =====>		A			B			C			D			E			
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA		
S-ILS 04R*	209	1/2	200	209	1/2	200	209	1/2	200	209	1/2	200		NA			
S-ILS 04R	281	1/2	272	281	1/2	272	281	1/2	272	281	1/2	272	556	1 3/8	547		
NOTES: CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}). CHART NOTE: *MISSED APPROACH REQUIRES MINIMUM CLIMB OF 335 FEET PER NM TO 2000. CHART NOTE: FOR INOPERATIVE ALS, INCREASE S-ILS 4R CAT A, B, C, D VISIBILITY TO 7/8 SM AND INCREASE CAT E VISIBILITY TO 1 7/8 SM. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL AT ALANA ON V16 EASTBOUND.																	
CITY AND STATE		ELEVATION: 13 TDZE: 9				FACILITY IDENTIFIER: I-IUM		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS Y RWY 4R, AMDT 1C, 04/27/2017				SUP:					
HONOLULU, HI		AIRPORT NAME: DANIEL K. INOUE INTL										AMDT: 1B					
												DATED 08/20/2015					



**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.

MISSED APPROACH INSTRUCTIONS, (CONT.):
AND CKH VORTAC R-218 TO ALANA/CKH 17.44 DME AND HOLD. (DME REQUIRED).

QUALITY
24
CHECKED

CITY AND STATE

HONOLULU, HI

ELEVATION: 13

TDZE: 9

AIRPORT NAME:

DANIEL K. INOUE INTL

FACILITY
IDENTIFIER:

I-IUM

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

ILS Y RWY 4R, AMDT 1C, 04/27/2017

SUP:

AMDT: 1B

DATED: 08/20/2015

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						
DEBRY/9.20 DME/RADAR (IAF)		LANEO/8.10 DME/RADAR		042.01 / 1.10 (I-IUM)				1700		CLIMB TO 480, CAT E CLIMB TO 760 THEN CLIMBING RIGHT TURN TO 3000 ON HEADING 220 AND ON HNL VORTAC R-171 TO ALANA INT/HNL 13.94 DME AND HOLD. ALTERNATE MA (DO NOT CHART): CLIMB TO 480, CAT E CLIMB TO 760 THEN CLIMBING RIGHT TURN TO 3000 ON HEADING 170 (SEE FORM 8260-10) ADDITIONAL FLIGHT DATA: HOLD S, RT, 351.00 INBOUND. CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD SW ALANA/CKH 17.44 DME, RT, 038.45 INBOUND. CHART HNL R-171 AT ALANA.						
LANEO/8.10 DME/RADAR (IF)		PERLY/6.15 DME/RADAR		042.01 / 1.95 (I-IUM)				1500								
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)										MAG VAR: 11E EPOCH YEAR: 1990						
2. PROFILE STARTS AT DEBRY																
3. FAC: 042.01 FAF: _____ DIST FAF TO MAP: _____ THLD: _____																
4. MIN. ALT: DEBRY 2000, LANE0 1700, PERLY 1500																
5. DIST TO THLD FROM OM: 4.51 MM: - IM: - 150 HAT: - 100 HAT: - GS ANT: 1050																
6. MIN GS INCPT: 1500 GS ALT AT: PERLY 1500 OM: - MM: - IM: -																
7. GS ANGLE: 3.00 TCH: 55.4																
8. MSA FROM: HNL VORTAC 360-180 4400, 180-270 4000, 270-360 5300																
MINIMUMS																
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE: N A		ILS: STANDARD										
CATEGORY =====>		A		B		C		D		E						
		DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
S-ILS 04R*		209	1/2	200	209	1/2	200	209	1/2	200	209	1/2	200		NA	
S-ILS 04R		281	1/2	272	281	1/2	272	281	1/2	272	281	1/2	272	556	1 3/8	547
NOTES: CHART NOTE: DME OR RADAR REQUIRED. CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}). CHART NOTE: *MISSED APPROACH REQUIRES MINIMUM CLIMB OF 335 FEET PER NM TO 2000. CHART NOTE: FOR INOPERATIVE ALS, INCREASE S-ILS 4R CATS A, B, C, D VISIBILITY 7/8 SM ; AND INCREASE CAT E VISIBILITY TO 1 7/8 SM.																
CITY AND STATE HONOLULU, HI		ELEVATION: 13 TDZE: 9 AIRPORT NAME: DANIEL K. INOUEY INTL		FACILITY IDENTIFIER: I-IUM		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS Z RWY 4R, AMDT 1B, 04/27/2017						SUP: AMDT: 1A DATED 05/29/2014				



**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.

MISSED APPROACH INSTRUCTIONS, (CONT.):

AND CKH VORTAC R-218 TO ALANA/CKH 17.44 DME AND HOLD. (DME REQUIRED).

QUALITY
24
CHECKED

CITY AND STATE

HONOLULU, HI

ELEVATION: 13

TDZE: 9

AIRPORT NAME:

DANIEL K. INOUE INTL

FACILITY
IDENTIFIER:

I-IUM

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

ILS Z RWY 4R, AMDT 1B, 04/27/2017

SUP:

AMDT: 1A

DATED: 05/29/2014

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION LDA 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: LDA: I-EPC 2.20 DME								
SAKKI/I-EPC 33.32 DME (IAF)			SECIL/I-EPC 10.50 DME			304.00 / 22.80 (I-EPC)			3000		CLIMBING LEFT TURN TO 3000 ON HNL VORTAC R-171 TO ALANA INT/HNL 13.94 DME AND HOLD.								
SECIL/I-EPC 10.50 DME (IF)			HEFTL/I-EPC 5.40 DME			304.00 / 5.10 (I-EPC)			1500										
										ADDITIONAL FLIGHT DATA: HOLD S, RT, 351.00 INBOUND. FAS OBST: 208 SHIP 211736N/1575221W CHART VDP AT 2.20 DME DISTANCE VDP TO THLD 1.75 NM. CHART CIRCLING ICON. CHART PROFILE NOTE: USE I-EPC DME WHEN ON LOCALIZER COURSE. CHART PLANVIEW NOTE: DME REQUIRED CHART PLANVIEW NOTE: LOC OFFSET 45.00 DEGREES. FAC CROSSES RWY C/L EXTENDED 8100 FT FROM THLD.									
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)										MAG VAR: 11E EPOCH YEAR:1990									
2. PROFILE STARTS AT SECIL																			
3. FAC 304.00 FAF HEFTL/I-EPC 5.40 DME DIST FAF TO MAP _____ THLD _____																			
4. MIN. ALT SECIL 3000, HEFTL 1500, I-EPC 2.80 DME 620																			
8. MSA FROM: HNL VORTAC 360-180 4400, 180-270 4000, 270-360 5300																			
MINIMUMS																			
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT										ALTERNATE: N A		LDA: 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-LDA 26L	560	2	550	560	2	550	560	2	550	560	2	550	560	2	550				
CIRCLING	640	2	627	760	2	747	760	2 1/4	747	1400	3	1387		NA					
NOTES:																			
CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY. @ CAT C 800-2 1/4, CAT D 1400-3																			
CHART NOTE: CIRCLING RWY 22R NA AT NIGHT.																			
CHART NOTE: DME REQUIRED.																			
CHART NOTE: CIRCLING NA FOR CATS A AND B NW OF RWYS 8L AND 22R.																			
(CONTINUED ON PAGE 2)																			
CITY AND STATE		ELEVATION: 13 TDZE: 10		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP LDA/DME RWY 26L									
HONOLULU, HI		AIRPORT NAME:		I-EPC		LDA RWY 26L, AMDT 5B, 04/27/2017				AMDT 5A									
		DANIEL K. INOUE INTL								DATE 10/8/1996									



**LDA 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.):

CHART NOTE: CIRCLING NA FOR CATS C AND D N OF RWY 8L-26R.

CHART NOTE: FOLLOW FLASHER LIGHTS TO RWY 26L.

CHART NOTE: PROCEDURE NOT AUTHORIZED AT NIGHT WHEN MALSF INOPERATIVE.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT SAKII ON V16-21 EASTBOUND.

QUALITY
24
CHECKED

CITY AND STATE

HONOLULU, HI

ELEVATION: 13

TDZE: 10

AIRPORT NAME:

DANIEL K. INOUE INTL

FACILITY
IDENTIFIER:

I-EPC

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

LDA RWY 26L, AMDT 5B, 04/27/2017

SUP: LDA/DME RWY 26L

AMDT: 5A

DATED: 10/8/1996

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION LOC STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.25							Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.								
TERMINAL ROUTES										MISSED APPROACH					
FROM		TO			COURSE AND DISTANCE			ALTITUDE		MAP: FALOS/I-IUM 2.64 DME					
HNL VORTAC		PERLY/I-IUM 6.15 DME			224.17 / 4.17			3000		CLIMBING RIGHT TURN TO 3000 ON HEADING 220 AND HNL VORTAC R-171 TO ALANA INT/HNL 13.94 DME AND HOLD. ALTERNATE MA (DO NOT CHART): CLIMBING RIGHT TURN TO 3000 ON HEADING 170 AND CKH VORTAC R-218 TO ALANA/CKH 17.44 DME AND HOLD. ADDITIONAL FLIGHT DATA: HOLD S, RT, 351.00 INBOUND. CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD SW ALANA/CKH 17.44 DME, RT, 038.45 INBOUND. PERLY TO RWY 4R: 3.03/TCH 55 FAS OBST: 208 SHIP 211729N/1575738W CHART CIRCLING ICON. CHART IN PLANVIEW: (CFFVB) (211229.07/1580436.76W). CHART PLANVIEW NOTE: DME REQUIRED.					
1. PT <u>L</u> SIDE OF COURSE <u>222.01</u> OUTBOUND <u>1900</u> FT WITHIN <u>15</u> MILES OF <u>PERLY</u> (IAF)										MAG VAR: 11E EPOCH YEAR:1990					
2.															
3. FAC <u>042.01</u> FAF <u>PERLY/I-IUM 6.15 DME</u> DIST FAF TO MAP <u> </u> THLD <u>4.51</u>															
4. MIN. ALT <u>PERLY/I-IUM 6.15 DME 1500</u>															
8. MSA FROM: <u>HNL VORTAC 360-180 4400, 180-270 4000, 270-360 5300</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-04R	460	3/4	451	460	3/4	451	460	7/8	451	460	7/8	451	460	7/8	451
CIRCLING	640	1 1/4	627	760	1 1/4	747	760	2 1/4	747	1400	3	1387		NA	
NOTES:															
CHART NOTE: CIRCLING RWY 22R NA AT NIGHT. @ CAT C 800-2 1/4, CAT D 1400-3															
CHART NOTE: DME REQUIRED.															
CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).															
CHART NOTE: FOR INOPERATIVE ALS, INCREASE CAT E VISIBILITY TO 1 3/8 SM.															
(CONTINUED ON PAGE 2)															
CITY AND STATE		ELEVATION: 13		TDZE: 9		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP LOC/DME RWY 4R			
HONOLULU, HI		AIRPORT NAME:				I-IUM		LOC RWY 4R, AMDT 1B, 04/27/2017				AMDT 1A			
		DANIEL K. INOUE INTL										DATE 05/29/2014			



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

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

NOTES, (CONT.):**CHART NOTE: CIRCLING NA FOR CATS A AND B NW OF RWYS 8L AND 22R****CHART NOTE: CIRCLING NA FOR CATS C AND D N OF RWY 8L-26R.****CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL AT HNL VORTAC ON AIRWAY RADIALS 171 CW 258.**

QUALITY
24
CHECKED

CITY AND STATE

HONOLULU, HI

ELEVATION: 13**TDZE: 9**

AIRPORT NAME:

DANIEL K. INOUE INTL

FACILITY
IDENTIFIER:

I-IUM

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

LOC RWY 4R, AMDT 1B, 04/27/2017

SUP: **LOC/DME RWY 4R**AMDT: **1A**DATED: **05/29/2014**

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION LOC STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.25								Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.							
TERMINAL ROUTES										MISSED APPROACH					
FROM		TO			COURSE AND DISTANCE			ALTITUDE		MAP: 5.92 NM AFTER EWABE LOM/I-HNL 8.07 DME/RADAR OR AT I-HNL 2.16 DME CLIMBING RIGHT TURN TO 5000 ON HEADING 200 AND HNL VORTAC R-171 TO ALANA INT/HNL 13.94 DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 5000. ALTERNATE MA (DO NOT CHART): CLIMB TO 500 THEN CLIMBING RIGHT TURN TO 5000 ON HEADING 140 AND ON CKH VORTAC (SEE FORM 8260-10) ADDITIONAL FLIGHT DATA: HOLD S, RT, 351.00 INBOUND. CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD SW ALANA INT/CKH 17.44 DME, RT, 038.45 INBOUND. FAS OBST: 208 SHIP 211933N/1575805W CHART VDP AT 3.31 DME DISTANCE VDP TO THLD 1.15 NM. CHART HNL R-171 AT ALANA. EWABE LOM TO RW08L: 3.08/55. CHART: MAX 6000 AT EWABE LOM CHART CIRCLING ICON. CHART IN PLANVIEW: HNL VORTAC 13.94 AT CIGEP. CHART PLANVIEW NOTE: DME OR RADAR REQUIRED.					
HNL VORTAC		EWABE LOM/HNL 6.71 DME/RADAR			267.52 / 6.71			4000							
ALANA INT/HNL 13.94 DME CW (IAF)		CIGEP/I-HNL 15.34 DME/RADAR (NOPT)			13.94 DME ARC (HNL LR-254)			4200							
SELIC/I-HNL 17.00 DME/RADAR (IAF)		CIGEP/I-HNL 15.34 DME/RADAR (NOPT)			078.99 / 1.66 (I-HNL)			4200							
CIGEP/I-HNL 15.34 DME/RADAR (IF)		FEGTU/I-HNL 9.17 DME/RADAR			078.99 / 6.17 (I-HNL)			2300							
FEGTU/I-HNL 9.17 DME/RADAR		EWABE LOM/I-HNL 8.07 DME/RADAR			078.99 / 1.10 (I-HNL)			2000							
1. PT <u> L </u> SIDE OF COURSE <u> 258.99 </u> OUTBOUND <u> 3900 </u> FT WITHIN <u> 10 </u> MILES OF <u> EWABE LOM </u> (IAF) 2. _____ 3. FAC <u> 078.99 </u> FAF <u> EWABE LOM/I-HNL 8.07 DME/RADAR </u> DIST FAF TO MAP <u> 5.92 </u> THLD <u> 5.92 </u> 4. MIN. ALT <u> FEGTU 2300, EWABE LOM/I-HNL 8.07 DME/RADAR 2000 </u> 8. MSA FROM: <u> HNL VORTAC 360-180 4400, 180-270 4000, 270-360 5300 </u>										MAG VAR: 11E EPOCH YEAR: 1990					
MINIMUMS															
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT							ALTERNATE: N A		STANDARD @						
CATEGORY =====>	A			B			C			D			E		
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA
S-08L	460	1/2	447	460	1/2	447	460	7/8	447	460	7/8	447			
CIRCLING	640	1	627	760	1	747	760	2 1/4	747	1400	3	1387			
NOTES: CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT ALANA ON V16 EASTBOUND. @ CAT C 800-2 1/4, CAT D 1400-3 CHART NOTE: CIRCLING NA FOR CATS A AND B NW OF RWYS 8L AND 22R. CIRCLING NA FOR CATS C AND D N OF RWY 8L-26R. CHART NOTE: CIRCLING RWY 22R NA AT NIGHT. CHART PROFILE NOTE: USE I-HNL DME WHEN ON THE LOCALIZER COURSE.															
CITY AND STATE		ELEVATION: 13		TDZE: 13		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP			
HONOLULU, HI						I-HNL		LOC RWY 8L, AMDT 1, 04/27/2017				AMDT			
				DANIEL K. INOUE INTL								DATE 07/29/2010			

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

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

MISSED APPROACH INSTRUCTIONS, (CONT.):

R-218 TO ALANA INT/CKH 17.44 DME AND HOLD, CONTINUE CLIMB-IN-HOLD, HOLD.

CITY AND STATE

HONOLULU, HI

ELEVATION: 13

TDZE: 13

AIRPORT NAME:

DANIEL K. INOUE INTL

FACILITY
IDENTIFIER:

I-HNL

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

LOC RWY 8L, AMDT 1, 04/27/2017

SUP:

AMDT:

DATED:

QUALITY

4

CHECKED

ORIG-A

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										MISSED APPROACH						
FROM		TO		COURSE AND DISTANCE		ALTITUDE		LNAV: CEDRI								
ALANA		FEXAN (TF) (FB) (RNP 2.00)		297.62 / 6.27		3000		CLIMB TO 500 THEN CLIMBING RIGHT TURN TO 3000 DIRECT ALANA AND HOLD.								
BOOKE		GECKO (TF) (FB) (RNP 2.00)		143.13 / 17.99		2000										
FEXAN (IAF)		GIDME (NOPT) (TF) (FB) (RNP 1.00)		312.02 / 5.00		2000		ADDITIONAL FLIGHT DATA: HOLD S, RT, 351.00 INBOUND. FAS OBST: 208 SHIP 211657N/1575816W CHART CIRCLING ICON. MAKAI TO RW04L: 3.04/50.								
GECKO (IAF)		GIDME (NOPT) (TF) (FB) (RNP 1.00)		074.90 / 12.92		2000										
GIDME (IF/IAF) (SEE FORM 8260-10)		MAKAI (TF) (FB) (RNP 1.00)		041.94 / 5.00		2000										
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)										MAG VAR: 11E EPOCH YEAR: 1990						
2. HOLD SW GIDME, RT, 041.94 INBOUND, 2000 FT. IN LIEU OF PT (IAF)																
3. FAC: 041.97 FAF: MAKAI DIST FAF TO MAP: 5.00 THLD: 6.00																
4. MIN. ALT: GIDME 2000, MAKAI 2000																
5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____																
6. MIN GS INCPT: _____ GS ALT AT: _____ OM: _____ MM: _____ IM: _____																
7. GS ANGLE: _____ TCH: 34:1 IS CLEAR																
8. MSA FROM: CEDRI 5300																
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		460	1 1/4	450	460	1 1/4	450	460	1 3/8	450	460	1 1/2	450	460	1 1/2	450
CIRCLING		640	1 1/4	627	760	1 1/4	747	760	2 1/4	747	1400	3	1387	1940	3	1927
NOTES: CHART NOTE: CIRCLING RWY 22R NA AT NIGHT. CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: CIRCLING NA FOR CATS A AND B NW OF RWYS 8L AND 22R. CHART NOTE: CIRCLING NA FOR CATS C, D, AND E N OF RWY 8L-26R. (CONTINUED ON PAGE 2)																
CITY AND STATE HONOLULU, HI		ELEVATION: 13 TDZE: 10 AIRPORT NAME: DANIEL K. INOUE INTL		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 4L, ORIG-A, 04/27/2017						SUP: AMDT: ORIG DATED 06/13/2002				



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
MAKAI (FAF)	CEDRI (MAP) (TF) (FO) (RNP 0.30)	041.97 / 5.00	
CEDRI (MAP)	500 MSL (CA)	041.97	500
500 MSL	ALANA (DF) (FO) (RNP 1.00)		3000

NOTES, (CONT.):

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT BOOKE ON V15 WESTBOUND.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT GECKO ON V4 SOUTHWEST BOUND.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT ALANA ON V21 SOUTHBOUND.

QUALITY
24
CHECKED

CITY AND STATE
HONOLULU, HI

ELEVATION: 13 TDZE: 10
AIRPORT NAME:
DANIEL K. INOUE INTL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 4L, ORIG-A, 04/27/2017

SUP:
AMDT: ORIG
DATED: 06/13/2002

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: RW08R							
ALANA		PENRE (TF) (FB) (RNP 2.00)		290.41 / 16.96				3100		CLIMB TO 500 THEN CLIMBING RIGHT TURN TO 3100 DIRECT ALANA AND HOLD.							
BOOKE		HADIG (TF) (FB) (RNP 2.00)		124.67 / 13.09				3100									
GECKO (IAF)		KITKE (TF) (FB) (RNP 1.00)		031.66 / 9.30				3100									
PENRE (IAF)		KITKE (TF) (FB) (RNP 1.00)		349.00 / 5.00				3100									
HADIG (IAF)		KITKE (TF) (FB) (RNP 1.00)		078.88 / 5.00				3100									
(SEE FORM 8260-10)										ADDITIONAL FLIGHT DATA: HOLD S, RT, 351.00 INBOUND. FAS OBST: 208 SHIP 211824N/1580256W CHART VDP AT 0.62 NM TO RW08R. CHART CIRCLING ICON. HUXOR TO RW08R: 3.22/52. CHART: PHJR							
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)																	
2. PROFILE STARTS AT KITKE																	
3. FAC: 078.96 FAF: COLIS DIST FAF TO MAP: 9.09 THLD: 9.09																	
4. MIN. ALT: HADIG 3100, KITKE 3100, COLIS 3100, HUXOR/5.77 NM TO RW08R 2000, EVEVE/1.90 NM TO RW08R 460																	
5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____																	
6. MIN GS INCPT: _____ GS ALT AT: _____ OM: _____ MM: _____ IM: _____																	
7. GS ANGLE: _____ TCH: 34:1 IS CLEAR																	
8. MSA FROM: RW08R 5300																	
MAG VAR: 11E EPOCH YEAR: 1990																	
MINIMUMS																	
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT										ALTERNATE: N A		STANDARD @					
CATEGORY =====>		A			B			C			D			E			
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA		
LNAV MDA	320	1	310	320	1	310	320	1	310	320	1	310	320	1	310		
CIRCLING	640	1	627	760	1	747	760	2 1/4	747	1400	3	1387	1940	3	1927		
NOTES: CHART NOTE: CIRCLING RWY 22R NA AT NIGHT. CHART NOTE: DME/DME RNP-0.3 NA. CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}). CHART NOTE: CIRCLING NA FOR CATS A AND B NW OF RWYS 8L AND 22R. (CONTINUED ON PAGE 2)																	
CITY AND STATE HONOLULU, HI		ELEVATION: 13 TDZE: 10 AIRPORT NAME: DANIEL K. INOUE INTL				FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 8R, ORIG-A, 04/27/2017						SUP: AMDT: ORIG DATED 08/30/2007			



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

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

TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
KITKE (IF)	COLIS (TF) (FB) (RNP 1.00)	078.91 / 5.00	3100
COLIS (FAF)	HUXOR/5.77 NM TO RW08R (TF) (FB) (RNP 0.30)	078.96 / 3.32	
HUXOR/5.77 NM TO RW08R	EVEVE/1.90 NM TO RW08R (TF) (FB) (RNP 0.30)	078.96 / 3.87	
EVEVE/1.90 NM TO RW08R	RW08R (MAP) (TF) (FO) (RNP 0.30)	078.96 / 1.90	
RW08R (MAP)	500 MSL (CA)	078.96	500
500 MSL	ALANA (DF) (FO) (RNP 1.00)		3100

NOTES, (CONT.):

CHART NOTE: CIRCLING NA FOR CATS C, D, AND E N OF RWY 8L-26R.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT BOOKE ON V15 WESTBOUND.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT GECKO ON V4 SOUTHWEST BOUND.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT ALANA ON V21 SOUTHBOUND.

QUALITY
24
CHECKED

CITY AND STATE HONOLULU, HI	ELEVATION: 13 TDZE: 10 AIRPORT NAME: DANIEL K. INOUE INTL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 8R, ORIG-A, 04/27/2017	SUP:
				AMDT: ORIG
				DATED: 08/30/2007

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION		RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33		Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.												
TERMINAL ROUTES										MISSED APPROACH						
FROM		TO		COURSE AND DISTANCE				ALTITUDE		LNAV: FALOS						
KEOLA		GECKO (TF) (FB) (RNP 2.00)		110.96 / 11.95				5000		CLIMBING RIGHT TURN TO 3000 DIRECT ALANA AND HOLD.						
JULLE		LUYEV (TF) (FB) (RNP 2.00)		268.73 / 23.58				5000								
GECKO (IAF)		RCHEW (TF) (FB) (RNP 1.00)		074.81 / 13.09				2500								
LUYEV (IAF)		RCHEW (TF) (FB) (RNP 1.00)		325.01 / 11.91				2500								
RCHEW (IF)		PERLY (TF) (FB) (RNP 1.00)		041.96 / 6.00				1500								
(SEE FORM 8260-10)										ADDITIONAL FLIGHT DATA: HOLD S, RT, 351.00 INBOUND. FAS OBST: 208 SHIP 211657N/1575816W CHART CIRCLING ICON. PERLY TO RW04R: 3.00/55.						
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)																
2. PROFILE STARTS AT RCHEW																
3. FAC: 041.99 FAF: PERLY DIST FAF TO MAP: 3.51 THLD: 4.51																
4. MIN. ALT: RCHEW 2500, PERLY 1500																
5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____																
6. MIN GS INCPT: _____ GS ALT AT: _____ OM: _____ MM: _____ IM: _____																
7. GS ANGLE: _____ TCH: 34:1 IS CLEAR																
8. MSA FROM: FALOS 5300										MAG VAR: 11E			EPOCH YEAR: 1990			
MINIMUMS																
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT								ALTERNATE: N A		STANDARD @						
CATEGORY =====>		A		B		C		D		E						
		DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LNAV MDA		460	3/4	451	460	3/4	451	460	7/8	451	460	7/8	451	460	7/8	451
CIRCLING		640	1 1/4	627	760	1 1/4	747	760	2 1/4	747	1400	3	1387		NA	
NOTES: CHART NOTE: CIRCLING RWY 22R NA AT NIGHT. CHART NOTE: DME/DME RNP-0.3 NA. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT GECKO ON V4 WESTBOUND AND ARRIVALS AT KEOLA ON V12 WESTBOUND. (CONTINUED ON PAGE 2)																
CITY AND STATE HONOLULU, HI		ELEVATION: 13 TDZE: 9 AIRPORT NAME: DANIEL K. INOUE INTL		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) Y RWY 4R, AMDT 2B, 04/27/2017						SUP: AMDT: 2A DATED 05/29/2014				

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

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

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

TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
PERLY (FAF)	FALOS (MAP) (TF) (FO) (RNP 0.30)	041.99 / 3.51	
FALOS (MAP)	413 MSL (CA)	041.99	
413 MSL	ALANA (DF) (FO) (RNP 1.00)		3000

NOTES, (CONT.):

CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).

CHART NOTE: CIRCLING NA FOR CATS A AND B NW OF RWYS 8L AND 22R.

CHART NOTE: CIRCLING NA FOR CATS C AND D N OF RWY 8L-26R.

CHART NOTE: FOR INOPERATIVE ALS, INCREASE CAT E VISIBILITY TO 1 3/8 SM.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT JULLE ON V16-21 EASTBOUND AND V20 SOUTHEAST BOUND

QUALITY
24
CHECKED

CITY AND STATE

HONOLULU, HI

ELEVATION: 13

TDZE: 9

AIRPORT NAME:

DANIEL K. INOUE INTL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) Y RWY 4R, AMDT 2B, 04/27/2017

SUP:

AMDT: 2A

DATED: 05/29/2014

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION		RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33		Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.													
TERMINAL ROUTES										MISSED APPROACH							
FROM		TO		COURSE AND DISTANCE		ALTITUDE		LNAV: RW08L									
HNL VORTAC		EKJAY (TF) (FO) (RNP 2.00)		262.57 / 16.25		3600		CLIMBING RIGHT TURN TO 3600 DIRECT GECKO AND HOLD.									
BOOKE (IAF)		EKJAY (NOPT) (TF) (FB) (RNP 1.00)		111.63 / 15.29		3600											
GECKO (IAF)		EKJAY (NOPT) (TF) (FB) (RNP 1.00)		021.37 / 9.40		3600		ADDITIONAL FLIGHT DATA: HOLD S, RT, 021.37 INBOUND. CHART FAS OBST: 208 SHIP 211933N/1575805W CHART VDP AT 1.15 NM TO RW08L. JUNGL TO RW08L: 3.00/55.71. CHART: CIRCLING ICON.									
EKJAY (IF/IAF)		JUNGL (TF) (FB) (RNP 1.00)		078.91 / 5.98		3100											
JUNGL (FAF)		CAPVI/5.92 NM TO RW08L (TF) (FB) (RNP 0.30)		078.93 / 3.61													
(SEE FORM 8260-10)																	
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)																	
2. HOLD W EKJAY, RT, 078.91 INBOUND, 3600 FT. IN LIEU OF PT (IAF)																	
3. FAC: 078.93 FAF: JUNGL DIST FAF TO MAP: 9.53 THLD: 9.53																	
4. MIN. ALT: EKJAY 3600, JUNGL 3100, CAPVI/5.92 NM TO RW08L 1940																	
5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____																	
6. MIN GS INCPT: _____ GS ALT AT: _____ OM: _____ MM: _____ IM: _____																	
7. GS ANGLE: _____ TCH: 34:1 IS CLEAR																	
8. MSA FROM: RW08L 5300																	
MAG VAR: 11E EPOCH YEAR: 1990																	
MINIMUMS																	
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT										ALTERNATE: N A		STANDARD @					
CATEGORY =====>		A		B		C		D		E							
		DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	
LNAV MDA		460	1/2	447	460	1/2	447	460	7/8	447	460	7/8	447	460	7/8	447	
CIRCLING		640	1	627	760	1	747	760	2 1/4	747	1400	3	1387	1940	3	1927	
NOTES: CHART NOTE: DME/DME RNP-0.3 NA. CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}). CHART NOTE: CIRCLING NA FOR CATS A AND B NW OF RWYS 8L AND 22R. CHART NOTE: CIRCLING NA FOR CATS C, D, AND E N OF RUNWAY 8L-26R. (CONTINUED ON PAGE 2)																	
CITY AND STATE HONOLULU, HI		ELEVATION: 13 TDZE: 13 AIRPORT NAME: DANIEL K. INOUE INTL		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) Y RWY 8L, AMDT 2, 04/27/2017						SUP: AMDT: 1 DATED 08/30/2007					

QUALITY
18
CHECKED

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

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

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

TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
CAPVI/5.92 NM TO RW08L	RW08L (MAP) (TF) (FO) (RNP 0.30)	078.93 / 5.92	
RW08L (MAP)	413 MSL (CA)	078.93	
413 MSL	GECKO (DF) (FO) (RNP 1.00)		3600

NOTES, (CONT.):

CHART NOTE: FOR INOPERATIVE ALS, INCREASE CAT E VISIBILITY TO 1 3/8 SM.

CHART NOTE: CIRCLING RWY 22R NA AT NIGHT.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT GECKO ON V16 NORTHWESTBOUND.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON HNL VORTAC AIRWAY RADIALS 173 CW 353.

CITY AND STATE

HONOLULU, HI

ELEVATION: 13

TDZE: 13

AIRPORT NAME:

DANIEL K. INOUE INTL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) Y RWY 8L, AMDT 2, 04/27/2017

SUP:

AMDT:

1

DATED:

08/30/2007

QUALITY
18
CHECKED

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION						RNAV (RNP) - STANDARD, INSTRUMENT APPROACH PROCEDURE, TITLE 14 CFR PART 97.33						Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.											
TERMINAL ROUTES												MISSED APPROACH											
FROM			TO			COURSE AND DISTANCE			ALTITUDE			RNP: DA CLIMB TO 3000 ON TRACK 259.01 TO KABTE, LEFT TURN TO LAYIG, THEN TRACK 132.93 TO ALANA AND HOLD. MISSED APPROACH REQUIRES MINIMUM CLIMB OF 234 FEET PER NM TO 300. ADDITIONAL FLIGHT DATA: HOLD S, RT, 351.00 INBOUND. FAS OBST: 150 SHIP 211824N/1575342W APPROACH TYPE QUALIFIER 1: F APPROACH TYPE QUALIFIER 2: S CHART IN PLANVIEW MAXIMUM ALTITUDE AT SAKKI 10000 ROUTE TYPE: A, R #TCH: 85.00 MSL (DO NOT CHART) DISTANCE TO THLD FROM 250 HAT: 0.55 NM.											
SAKKI (IAF)			SECIL (TF) (FB) (RNP 1.00)			304.14 / 22.82			3000														
SECIL (IF)			KUHIO (TF) (FB) (RNP 1.00)			304.19 / 4.48			2000														
KUHIO (FAF)			*IBICU (TF) (FB)			316.03 / 2.59																	
IBICU			*NALII (RF) (FB)			(2.00 NM RADISU CCW CFPJK)/1.99																	
NALII			*RW26L MAP) (TF) (FO)			259.02 / 1.33																	
(SEE FORM 8260-10)																							
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. PROFILE STARTS AT SECIL 3. FAC: _____ * _____ FAF: _____ DIST FAF TO MAP: _____ THLD: _____ 4. MIN. ALT: SECIL 3000 5. DIST TO THLD FROM OM: 5.91 MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 2000 GS ALT AT: KUHIO 2000, IBICU 1154, NALLI 512 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 75.0 # 34:1 IS CLEAR 8. MSA FROM: RW26L 5300																		MAG VAR: 11E 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								
AUTHORIZATION REQUIRED																							
RNP 0.15 DA	260	1/2	250	260	1/2	250	260	1/2	250	260	1/2	250											
NOTES: CHART NOTE: RF AND GPS REQUIRED. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW 15C (58F) OR ABOVE 53C (128F). CHART NOTE: FOR INOPERATIVE ALS INCREASE RNP 0.15 ALL VISIBILITIES TO 1 SM. CHART PLANVIEW NOTE AT SAKKI: PROCEDURE NA FOR ARRIVALS ON V16-21 EAST BOUND. CHART NOTE: MISSED APPROACH REQUIRES A MINIMUM CLIMB OF 234 FEET PER NM TO 300.																							
CITY AND STATE HONOLULU, HI				ELEVATION: 13 TDZE: 10 AIRPORT NAME: DANIEL K. INOUEY INTL				FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (RNP) RWY 26L, ORIG-D, 04/27/2017				SUP: _____ AMDT: 4 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.

TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
RW26L (MAP)	KABTE (TF) (RNP 1.00)	259.01 / 2.0	
KABTE	LAYIG (RF) (RNP 1.00)	(4.92 NM RADIUS CCW (CFRRC)) / 10.82	
LAYIG	ALANA (TF) (FO) (RNP 1.00)	132.93 / 7.45	3000

CITY AND STATE

HONOLULU, HI

ELEVATION: 13	TDZE: 10
AIRPORT NAME:	
DANIEL K. INOUE INTL	

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (RNP) RWY 26L, ORIG-D, 04/27/2017

SUP:	
AMDT:	ORIG-C
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.					
TERMINAL ROUTES												MISSED APPROACH					
FROM		TO		COURSE AND DISTANCE				ALTITUDE		RNP: DA CLIMB TO 580 THEN CLIMBING RIGHT TURN TO 3000 DIRECT ALANA AND HOLD. ADDITIONAL FLIGHT DATA: HOLD S, RT, 351.00 INBOUND. ROUTE TYPE: A, H ROUTE TYPE QUALIFIER 1: F ROUTE TYPE QUALIFIER 2: S # TCH 63.4 MSL (DO NOT CHART) DIST THLD FROM 257 HATH: 0.63 NM							
REEEF (IAF)		AKOKE (TF) (FB) (RNP 1.00)		196.95 / 6.49				5000									
AKOKE		WORUB (RF) (FB) (RNP 1.00)		(2.80 NM RADIUS CW (CFPPX))/5.63				4000									
WORUB		ZITBO (RF) (FB) (RNP 1.00)		(2.80 NM RADIUS CW (CFPPX))/4.40				2500									
ZITBO		DEBRY (TF) (RNP 1.00)		041.99 / 2.00				2000									
DEBRY (IF)		PERLY (TF) (FB) (RNP 1.00)		042.00 / 3.05				1500									
(SEE FORM 8260-10)																	
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. PROFILE STARTS AT DEBRY 3. FAC: <u>041.99</u> FAF: _____ DIST FAF TO MAP: _____ THLD: _____ 4. MIN. ALT: DEBRY 2000, PERLY 1500 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: <u>1500</u> GS ALT AT: PERLY 1500 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: <u>3.00</u> TCH: <u>55.4</u> # <u>34:1</u> IS CLEAR 8. MSA FROM: RW04R 5300																	
												MAG VAR: 11E EPOCH YEAR: 1990					
MINIMUMS																	
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT										ALTERNATE: N A		STANDARD					
CATEGORY =====>		A		B		C		D		E							
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA		
AUTHORIZATION REQUIRED																	
RNP 0.30 DA	266	1/2	257	287	1/2	278	321	1/2	312	575	1 1/2	566					
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW 16C (61F) OR ABOVE 54C (130F). CHART NOTE: GPS REQUIRED. CHART SPEED ICON IN PLANVIEW AT AKOKE : MAX 200 KIAS. CHART PLANVIEW NOTE ADJACENT TO REEEF IAF: RF REQUIRED. (CONTINUED ON PAGE 2)																	
CITY AND STATE HONOLULU, HI		ELEVATION: 13 TDZE: 9 AIRPORT NAME: DANIEL K. INOUE INTL				FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (RNP) Z RWY 4R, AMDT 1B, 04/27/2017				SUP: AMDT: 1A DATED 05/29/2014					



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
PERLY (FAF)	RW04R (MAP) (TF) (FO) (RNP 0.30)	041.99 / 4.51	
RW04R (MAP)	580 MSL	041.99	580
580 MSL	ALANA (DF) (FO) (RNP 1.00)		3000

NOTES, (CONT.):

CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).

CHART NOTE: FOR INOPERATIVE ALS, INCREASE RNP 0.30 CAT A VISIBILITY TO 3/4 SM; INCREASE CAT B/C VISIBILITY TO 7/8 SM; INCREASE CAT D VISIBILITY TO 1 7/8 SM.

QUALITY
24
CHECKED

CITY AND STATE HONOLULU, HI	ELEVATION: 13	TDZE: 9	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (RNP) Z RWY 4R, AMDT 1B, 04/27/2017	SUP:
	AIRPORT NAME: DANIEL K. INOUE INTL				AMDT: 1A
					DATED: 05/29/2014

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					
REEEF (IAF)			XUSLY (TF) (FB) (RNP 1.00)			249.53 / 7.12			5000			CLIMB TO 420 THEN CLIMBING RIGHT TURN TO 3000 DIRECT ALANA AND HOLD.					
XUSLY			YUGUR (RF) (FB) (RNP 1.00)			(2.73 NM RADIUS CW (CFNRN))/4.28			3700								
YUGUR			JEMUD (RF) (FB) (RNP 1.00)			(2.73 NM RADIUS CW (CFNRN))/4.75			2300			ADDITIONAL FLIGHT DATA: HOLD S, RT, 351.00 INBOUND. CHART FAS OBST: 117 POLE 211952N/1575719W DISTANCE TO THLD FROM 332 HAT: 0.87 NM. ROUTE TYPE: A, H ROUTE TYPE QUALIFIER: 2: S ROUTE TYPE QUALIFIER: 1: F # TCH 67.3 MSL (DO NOT CHART).					
MAKOA (IAF)			JEMUD (TF) (FB) (RNP 1.00)			078.93 / 4.09			2300								
JEMUD (IF)			ZIMIK (TF) (FB) (RNP 1.00)			078.98 / 2.20			1600								
(SEE FORM 8260-10)																	
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)												MAG VAR: 11E EPOCH YEAR: 1990					
2. PROFILE STARTS AT JEMUD																	
3. FAC: 078.96 FAF: _____ DIST FAF TO MAP: _____ THLD: _____																	
4. MIN. ALT: JEMUD 2300, ZIMIK 1600																	
5. DIST TO THLD FROM OM: 4.81 MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____																	
6. MIN GS INCPT: 1600 GS ALT AT: ZIMIK 1600 OM: _____ MM: _____ IM: _____																	
7. GS ANGLE: 3.00 TCH: 55.7 # 34:1 IS CLEAR																	
8. MSA FROM: RW08L 5300																	
MINIMUMS																	
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT						ALTERNATE: N A			STANDARD								
CATEGORY =====>		A		B		C			D			E					
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA		
AUTHORIZATION REQUIRED																	
RNP 0.30 DA	345	5/8	332	345	5/8	332	345	5/8	332	345	5/8	332					
NOTES: CHART NOTE: GPS REQUIRED. CHART SPEED ICON IN PLANVIEW AT XUSLY : MAX 210 KIAS. CHART PLANVIEW NOTE ADJACENT TO REEEF: RF REQUIRED. CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}). (CONTINUED ON PAGE 2)																	
CITY AND STATE HONOLULU, HI			ELEVATION: 13 TDZE: 13 AIRPORT NAME: DANIEL K. INOUEY INTL			FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (RNP) Z RWY 8L, AMDT 2, 04/27/2017					SUP: AMDT: 1A DATED 05/29/2014				



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
ZIMIK (FAF)	RW08L (MAP) (TF) (FO) (RNP 0.30)	078.96 / 4.81	
RW08L (MAP)	420 MSL	078.96	420
420 MSL	ALANA (DF) (FO) (RNP 1.00)		3000

NOTES, (CONT.):

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW 16C (61F) OR ABOVE 54C (130F).

QUALITY
18
CHECKER

CITY AND STATE HONOLULU, HI	ELEVATION: 13	TDZE: 13	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (RNP) Z RWY 8L, AMDT 2, 04/27/2017	SUP:
	AIRPORT NAME:				AMDT: 1A
	DANIEL K. INOUE INTL				DATED: 05/29/2014

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: 3.90 NM AFTER DANIE INT/HNL 4.46 DME OR AT OBGUE/HNL 0.56 DME FIX								
HNL VORTAC			DANIE INT/HNL 4.46 DME			198.00 / 4.46			4000		CLIMBING RIGHT TURN TO 3000 ON HNL VORTAC R-171 TO ALANA INT/HNL 13.94 DME AND HOLD.								
WUKUL/HNL 14.00 DME CCW (IAF)			KEOKI INT/HNL 9.50 DME			018.00 / 4.50 (HNL R-198)			3000										
ALANA INT/HNL 13.94 DME (IAF)			KEOKI INT/HNL 9.50 DME			283.00 / 6.40 (HNL) & 018.00 / 3.50 (HNL R-198)			3000										
KEOKI INT/HNL 9.50 DME (IF)			DANIE INT/HNL 4.46 DME			018.00 / 5.04 (HNL R-198)			1500										
										ADDITIONAL FLIGHT DATA: HOLD S, RT, 351.00 INBOUND. FAS OBST: 208 SHIPS 211600N/1575800W CHART VDP AT 1.19 DME DISTANCE VDP TO THLD 1.57 NM. CHART HNL R-258 AT WUKUL. CHART CIRCLING ICON.									
1. PT <u>L</u> SIDE OF COURSE <u>198.00</u> OUTBOUND <u>3000</u> FT WITHIN <u>10</u> MILES OF <u>DANIE</u> (IAF)																			
2.																			
3. FAC <u>018.00</u> FAF <u>DANIE INT/HNL 4.46 DME</u> DIST FAF TO MAP <u>3.90</u> THLD <u>4.84</u>																			
4. MIN. ALT <u>DANIE 1500</u>																			
8. MSA FROM: <u>HNL VORTAC 360-180 4400, 180-270 4000, 270-360 5300</u>										MAG VAR: <u>11E</u> EPOCH YEAR: <u>1990</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-04R	460	1	451	460	1	451	460	1 1/4	451	460	1 1/2	451							
CIRCLING	640	1	627	760	1	747	760	2 1/4	747	1400	3	1387							
NOTES:																			
CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY.										@ CAT C 800-2 1/4, CAT D 1400-3									
CHART NOTE: CIRCLING RWY 22R NA AT NIGHT.																			
CHART NOTE: CIRCLING NA FOR CATS A AND B NW OF RWYS 8L AND 22R.																			
CHART NOTE: CIRCLING NA FOR CATS C AND D N OF RWY 8L-26R.																			
(CONTINUED ON PAGE 2)																			
CITY AND STATE HONOLULU, HI				ELEVATION: 13 TDZE: 9 AIRPORT NAME: DANIEL K. INOUE INTL				FACILITY IDENTIFIER: HNL		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: VOR OR TACAN RWY 4R, ORIG-C, 04/27/2017				SUP AMDT DATE		ORIG-B 12/20/2007			



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.

NOTES, (CONT.):

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT ALANA ON V16 SOUTHEAST BOUND.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT HNL VORTAC ON AIRWAY RADIALS 171 CW 258.

QUALITY
24
CHECKED

CITY AND STATE

HONOLULU, HI

ELEVATION: 13

TDZE: 9

AIRPORT NAME:

DANIEL K. INOUE INTL

FACILITY
IDENTIFIER:

HNL

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

VOR OR TACAN RWY 4R, ORIG-C, 04/27/2017

SUP:

AMDT: ORIG-B

DATED: 12/20/2007

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: HNL VORTAC								
CKH VORTAC (IAF)			LEHUA INT/HNL 10.00 DME (NOPT)			220.00 / 7.50			3000		CLIMBING LEFT TURN TO 3000 ON HNL R-171 TO ALANA INT/HNL 13.94 DME AND HOLD. ADDITIONAL FLIGHT DATA: HOLD S, RT, 351.00 INBOUND. FAS OBST: 208 SHIP 211452N/1575208W FAC CROSSES MIDPOINT OF RWY 8L-26R. CHART CIRCLING ICON.								
HAUNA INT/HNL 17.70 DME (IAF)			LEHUA INT/HNL 10.00 DME (NOPT)			305.00 / 7.70 (HNL R-125)			3000										
LEHUA INT/HNL 10.00 DME (IF)			DYDRA INT/HNL 5.00 DME			305.00 / 5.00 (HNL R-125)			1500										
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)										MAG VAR: 11E EPOCH YEAR:1990									
2. HOLD SE LEHUA, RT, 305.00 INBOUND, 3000 FT. IN LIEU OF PT (IAF) _____																			
3. FAC 305.00 FAF DYDRA INT/HNL 5.00 DME _____ DIST FAF TO MAP _____ THLD _____																			
4. MIN. ALT LEHUA 3000, DYDRA 1500																			
8. MSA FROM: HNL VORTAC 360-180 4400, 180-270 4000, 270-360 5300																			
MINIMUMS																			
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT						ALTERNATE: N A				STANDARD @									
CATEGORY =====>		A		B		C		D		E									
		MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA			
CIRCLING		640	1	627	760	1	747	760	2 1/4	747	1400	3	1387						
NOTES:																			
CHART NOTE: CIRCLING RWY 22R NA AT NIGHT. @ CAT C 800-2 1/4, CAT D 1400-3																			
CHART NOTE: CIRCLING NA FOR CATS A AND B NW OR RWYS 8L AND 22R.																			
CHART NOTE: CIRCLING NA FOR CATS C AND D N OF RWY 8L-26R.																			
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT HAUNA ON V8 EASTBOUND.																			
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT CKH VORTAC AIRWAY RADIAL 272.																			
CITY AND STATE HONOLULU, HI		ELEVATION: 13 AIRPORT NAME: DANIEL K. INOUE INTL		TDZE:		FACILITY IDENTIFIER: HNL		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: VOR OR TACAN-A, AMDT 1B, 04/27/2017				SUP VOR OR TACAN OR GPS-A AMDT 1A DATE 08/30/2007							



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: MAVGD/HNL 0.80 DME						
HNL VORTAC		SUSRY/HNL 5.00 DME			217.00 / 5.00			4000		CLIMBING RIGHT TURN TO 3000 ON HNL R-171 TO ALANA INT/HNL 13.94 DME AND HOLD. ADDITIONAL FLIGHT DATA: HOLD S, RT, 351.00 INBOUND. FAS OBST: 208 SHIP 211508N/1575948W CHART HNL R-171 AT ALANA. FAC CROSSES MIDPOINT OF RWY 8R-26L. CHART CIRCLING ICON. CHART PLANVIEW NOTE: DME REQUIRED.						
ALANA INT/HNL 13.94 DME CW (IAF)		SUPPO/HNL 14.00 DME (NOPT) (FB)			13.94 DME ARC			3000								
SUPPO/HNL 14.00 DME (IF)		SUSRY/HNL 5.00 DME			037.00 / 9.00			1500								
1. PT <u> L </u> SIDE OF COURSE <u> 217.00 </u> OUTBOUND <u> 3000 </u> FT WITHIN <u> 10 </u> MILES OF <u> SUSRY </u> (IAF) 2. _____ 3. FAC <u> 037.00 </u> FAF <u> SUSRY/HNL 5.00 DME </u> DIST FAF TO MAP _____ THLD _____ 4. MIN. ALT <u> SUSRY 1500 </u> 8. MSA FROM: <u> HNL VORTAC 360-180 4400, 180-270 4000, 270-360 5300 </u>										MAG VAR: 11E		EPOCH YEAR: 1990				
MINIMUMS																
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT								ALTERNATE: N A		STANDARD @						
CATEGORY =====>		A			B			C			D			E		
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	
CIRCLING	640	1	627	760	1	747	760	2 1/4	747	1400	3	1387				
NOTES: CHART NOTE: CIRCLING RWY 22R NA AT NIGHT. @ CAT C 800-2 1/4, CAT D 1400-3 CHART NOTE: DME REQUIRED. CHART NOTE: CIRCLING NA FOR CATS A AND B NW OF RWYS 8L AND 22R. CHART NOTE: CIRCLING NA FOR CATS C AND D N OR RWY 8L-26R. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS HNL VORTAC ON V12-15 EASTBOUND.																
CITY AND STATE HONOLULU, HI		ELEVATION: 13 AIRPORT NAME: DANIEL K. INOUE INTL		TDZE:		FACILITY IDENTIFIER: HNL		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: VOR OR TACAN-B, AMDT 2B, 04/27/2017				SUP VOR/DME OR TACAN OR GPS-B				
												AMDT 2A				
												DATE 08/30/2007				

QUALITY
 24
 CHECKED

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.



CITY AND STATE
HONOLULU, HI

ELEVATION: 13 TDZE:
AIRPORT NAME:
DANIEL K. INOUE INTL

FACILITY
IDENTIFIER:
HNL

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
VOR OR TACAN-B, AMDT 2B, 04/27/2017

SUP: VOR/DME OR
TACAN OR GPS-B
AMDT: 2A
DATED: 08/30/2007

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION VOR STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.23										Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT , HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.																									
TERMINAL ROUTES										MISSED APPROACH																									
FROM		TO		COURSE AND DISTANCE				ALTITUDE																											
										ADDITIONAL FLIGHT DATA:																									
1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)																																			
2. ____																																			
3. FAC ____ FAF ____ DIST FAF TO MAP ____ THLD ____																																			
4. MIN. ALT ____																																			
8. MSA FROM:										MAG VAR: EPOCH YEAR:																									
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT																				ALTERNATE: N A															
CATEGORY =====>																																			
		MDA	VIS			MDA	VIS			MDA	VIS			MDA	VIS			MDA	VIS																
NOTES:																																			
PROCEDURE CANCELED EFFECTIVE 27 APRIL 2017																																			
CITY AND STATE GRAYSLAKE, IL				ELEVATION: 788 AIRPORT NAME: CAMPBELL				TDZE:				FACILITY IDENTIFIER: OBK				PROCEDURE NO./AMDТ NO./EFFECTIVE DATE: VOR-A, ORIG-B, 03/11/2010				SUP 4 AMDТ ORIG-A DATE 06/15/2000															

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION VOR STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.23										Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT , HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.									
TERMINAL ROUTES										MISSED APPROACH									
FROM			TO			COURSE AND DISTANCE				ALTITUDE									
										ADDITIONAL FLIGHT DATA:									
1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)																			
2. ____																			
3. FAC ____ FAF ____ DIST FAF TO MAP ____ THLD ____																			
4. MIN. ALT ____																			
8. MSA FROM:										MAG VAR: EPOCH YEAR:									
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT										ALTERNATE: N A									
CATEGORY =====>		MDA		VIS		MDA		VIS		MDA		VIS		MDA		VIS			
NOTES:																			
PROCEDURE CANCELED EFFECTIVE 27 APRIL 2017																			
CITY AND STATE GREENWOOD/WONDER LAKE, IL				ELEVATION: 875 TDZE: AIRPORT NAME: GALT FIELD				FACILITY IDENTIFIER: OBK				PROCEDURE NO./AMD'T NO./EFFECTIVE DATE: VOR-A, AMDT 10, 06/15/2000				SUP AMD'T DATE			
																9A 05/20/99			

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are 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
16
CHECKED

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)
TITLE 14 CFR PART 97.37**

Bearings, headings, courses, tracks and radials are magnetic. Elevations 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.

<u>CITY, STATE</u>	<u>AIRPORT</u>	<u>EFFECTIVE DATE</u>	<u>AMDT NO</u>
LOWELL, IN	LOWELL	10/8/1982	ORIG

TAKEOFF MINIMUMS:

Procedure Canceled Effective 27 APRIL 2017

TEXTUAL DEPARTURE PROCEDURES:

VISUAL CLIMB OVER AIRPORT:

TAKEOFF OBSTACLE NOTES:

CONTROLLING OBSTACLES:

REMARKS:

FLIGHT INSPECTED BY:

OFFICE SYMBOL:

DATE:

DEVELOPED BY:

THOMAS L. KIRKPATRICK

THOMAS L KIRKPATRICK II
Digitally signed by THOMAS L KIRKPATRICK II
Date: 2017.01.10 12:49:44 -06'00'

OFFICE SYMBOL:

AJV-5423

DATE:

01/10/2017

APPROVED BY:

JULIE MORGAN

Digitally signed by
DANIEL D OLSON
Jan 21, 2017

OFFICE SYMBOL:

AJV-5420

DATE:

REQUIRED EFFECTIVE DATE:

ROUTINE

COORDINATED WITH:

<u>A4A</u>	<u>ALPA</u>	<u>AOPA</u>	<u>APA</u>	<u>HAI</u>	<u>NBAA</u>
☐	☐	☒	☐	☐	☒

OTHER:

ZAU ARTCC, AMGR

CHANGES - REASONS:

RAPT DETERMINED AIRPORT DOES NOT MEET STANDARDS FOR INSTRUMENT PROCEDURES.

QUALITY
11
CHECKED

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION VOR OR GPS 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 =====>																			
		MDA	VIS			MDA	VIS			MDA	VIS			MDA	VIS				
NOTES:																			
PROCEDURE CANCELED EFFECTIVE 27 APRIL 2017																			
QUALITY 11 CHECKED																			
CITY AND STATE LOWELL, IN		ELEVATION: 675 AIRPORT NAME: LOWELL		TDZE:		FACILITY IDENTIFIER: EON		PROCEDURE NO./AMD'T NO./EFFECTIVE DATE: VOR OR GPS-A, ORIG-A, 02/22/1993						SUP AMD'T NONE DATE					

RNAV - STANDARD US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION						INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33										Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.									
TERMINAL ROUTES																MISSED APPROACH									
FROM				TO				COURSE AND DISTANCE				ALTITUDE		LPV: DA LNAV/VNAV: DA LNAV: RW17 CLIMB TO 5000 DIRECT JEMOR AND HOLD. ADDITIONAL FLIGHT DATA: HOLD S, RT, 353.04 INBOUND. CHART FAS OBST: 2517 POLE 375920N/0995320W CHART DODGE CITY RGNL ASOS DISTANCE TO THLD FROM 300 HAT: 0.83 NM. WAAS CHANNEL # 42640 REFERENCE PATH ID: W17A CHART CIRCLING ICON. LTP HAE: 724.9 M											
OFAYS (IF/IAF)				HOGAS (TF) (FB) (RNP 1.00)				173.04 / 6.60				4000													
HOGAS (FAF)				GLEDSD/1.50 NM TO RW17 (TF) (FB) (RNP 0.30)				173.04 / 3.20																	
GLEDSD/1.50 NM TO RW17				RW17 (MAP) (TF) (FO) (RNP 0.30)				173.04 / 1.50																	
RW17 (MAP)				2767 MSL (CA)				173.04				5000													
2767 MSL				JEMOR (DF) (FO) (RNP 1.00)																					
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD N OFAYS, LT, 173.04 INBOUND, 5000 FT. IN LIEU OF PT (IAF) 3. FAC: 173.04 FAF: HOGAS DIST FAF TO MAP: 4.70 THLD: 4.70 4. MIN. ALT: OFAYS 5000, HOGAS 4000, GLEDSD/1.50 NM TO RW17 2980* 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 4000 GS ALT AT: HOGAS 4000 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 40.0 34:1 IS CLEAR 8. MSA FROM: _____																MAG VAR: 8E 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										
LPV DA	2767	1	300	2767	1	300	2767	1	300		NA														
LNAV/VNAV DA	2767	1	300	2767	1	300	2767	1	300		NA														
LNAV MDA	2820	1	353	2820	1	353	2820	1	353		NA														
CIRCLING																									
	2900	1	433	2920	1	453	2920	1 1/2	453		NA														
NOTES: CHART NOTE: BARO-VNAV NA. CHART NOTE: DME/DME RNP-0.3 NA. *LNAV ONLY CHART NOTE: USE DODGE CITY RGNL ALTIMETER SETTING.																									
CITY AND STATE JETMORE, KS				ELEVATION: 2467 TDZE: 2467 AIRPORT NAME: JETMORE MUNI				FACILITY IDENTIFIER: RNAV				PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 17, ORIG 27 APRIL 2017				SUP:									
																AMDT: NONE									
																DATED									



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

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

TAA

	FROM	TO	ALT
1.	083/30 CW 263/30 (NOPT)	OFAYS (IF/IAF) (FB)	5000
2.	263/30 CW 083/30	OFAYS (IF/IAF) (FO)	5000

QUALITY
16
CHECKED

CITY AND STATE JETMORE, KS	ELEVATION: 2467 TDZE: 2467 AIRPORT NAME: JETMORE MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 17, ORIG 27 APRIL 2017	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	K79
RUNWAY	RW17
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W17A
LTP/FTP LATITUDE	375924.8130N
LTP/FTP LONGITUDE	0995339.1125W
LTP/FTP ELLIPSOIDAL HEIGHT	+07249
FPAP LATITUDE	375755.6285N
FPAP LONGITUDE	0995341.1575W
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	1472
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER

D5B742B6

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+07508
FPAP ORTHOMETRIC HEIGHT	+07508

QUALITY
16
CHECKED

CITY AND STATE

JETMORE, KS

ELEVATION: 2467

TDZE: 2467

AIRPORT NAME:

JETMORE MUNI

 FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 17, ORIG

27 APRIL 2017

SUP:

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. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.														
TERMINAL ROUTES											MISSED APPROACH									
FROM		TO			COURSE AND DISTANCE				ALTITUDE		LPV: DA LNAV/VNAV: DA LNAV: RW35 CLIMB TO 5000 DIRECT OFAYS AND HOLD. ADDITIONAL FLIGHT DATA: HOLD N, LT, 173.04 INBOUND. CHART FAS OBST: 2506 TREE 375839N/0995333W CHART DODGE CITY RGNL ASOS. DISTANCE TO THLD FROM 300 HAT: 0.82 NM. WAAS CHANNEL # 86840 REFERENCE PATH ID: W35A CHART CIRCLING ICON. LTP HAE: 725.9 M									
JEMOR (IF/IAF)		TOXIC (TF) (FB) (RNP 1.00)			353.04 / 6.60				4000											
TOXIC (FAF)		SLIPE/1.50 NM TO RW35 (TF) (FB) (RNP 0.30)			353.04 / 3.19															
SLIPE/1.50 NM TO RW35		RW35 (MAP) (TF) (FO) (RNP 0.30)			353.04 / 1.50															
RW35 (MAP)		2767 MSL (CA)			353.04															
2767 MSL		OFAYS (DF) (FO) (RNP 1.00)							5000											
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD S JEMOR, RT, 353.04 INBOUND, 5000 FT. IN LIEU OF PT (IAF) 3. FAC: 353.04 FAF: TOXIC DIST FAF TO MAP: 4.69 THLD: 4.69 4. MIN. ALT: JEMOR 5000, TOXIC 4000, SLIPE/1.50 NM TO RW35 2980* 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 4000 GS ALT AT: TOXIC 4000 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 40.0 34:1 IS CLEAR 8. MSA FROM: _____																	MAG VAR: 8E		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					
LPV DA	2767	1	300	2767	1	300	2767	1	300		NA									
LNAV/VNAV DA	2767	1	300	2767	1	300	2767	1	300		NA									
LNAV MDA	2820	1	353	2820	1	353	2820	1	353		NA									
CIRCLING	2900	1	433	2920	1	453	2920	1 1/2	453		NA									
NOTES: CHART NOTE: BARO-VNAV NA. CHART NOTE: DME/DME RNP-0.3 NA. *LNAV ONLY CHART NOTE: USE DODGE CITY RGNL ALTIMETER SETTING.																				
CITY AND STATE JETMORE, KS		ELEVATION: 2467 TDZE: 2467 AIRPORT NAME: JETMORE MUNI			FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 35, ORIG 27 APRIL 2017					SUP:								
												AMDT: NONE								
												DATED								



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

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

TAA

	FROM	TO	ALT
1.	263/30 CW 083/30 (NOPT)	JEMOR (IF/IAF) (FB)	5000
2.	083/30 CW 263/30	JEMOR (IF/IAF) (FO)	5000

QUALITY
16
CHECKED

CITY AND STATE JETMORE, KS	ELEVATION: 2467 TDZE: 2467 AIRPORT NAME: JETMORE MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 35, ORIG 27 APRIL 2017	SUP:
				AMDT: NONE
				DATED:

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

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

FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	K79
RUNWAY	RW35
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W35A
LTP/FTP LATITUDE	375843.2535N
LTP/FTP LONGITUDE	0995340.0585W
LTP/FTP ELLIPSOIDAL HEIGHT	+07259
FPAP LATITUDE	380012.4380N
FPAP LONGITUDE	0995338.0125W
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	1472
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
 <u>CRC REMAINDER</u>	 760B3ADE

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+07519
FPAP ORTHOMETRIC HEIGHT	+07519

QUALITY
16
CHECKED

CITY AND STATE JETMORE, KS	ELEVATION: 2467 AIRPORT NAME: JETMORE MUNI	TDZE: 2467 JETMORE MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 35, ORIG 27 APRIL 2017	SUP:
					AMDT: NONE
					DATED:

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)
TITLE 14 CFR PART 97.37**

Bearings, headings, courses, tracks and radials are magnetic. Elevations 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.

<u>CITY, STATE</u>	<u>AIRPORT</u>	<u>EFFECTIVE DATE</u>	<u>AMDT NO</u>
JETMORE, KS	JETMORE MUNI	27 APRIL 2017	ORIG

TAKEOFF MINIMUMS:
RWY 17, 35: STANDARD

TEXTUAL DEPARTURE PROCEDURES:

VISUAL CLIMB OVER AIRPORT:

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 17: ELEC SYS, LT SUPPORT STRUCTURE BEGINNING 8 FT FROM DER, 38 FT LEFT OF CENTERLINE, UP TO 3 FT AGL/2468 FT MSL.
ELEC SYS, LT SUPPORT STRUCTURE BEGINNING 10 FT FROM DER, 38 FT RIGHT OF CENTERLINE, UP TO 3 FT AGL/2468 FT MSL.
TREES BEGINNING 394 FT FROM DER, 524 FT LEFT OF CENTERLINE, UP TO 2506 FT MSL.
NOTE: RWY 35: ELEC SYS, LT SUPPORT STRUCTURE BEGINNING 10 FT FROM DER, 39 FT LEFT OF CENTERLINE, UP TO 2 FT AGL/2465 FT MSL.
ROAD BEGINNING 103 FT FROM DER, 170 FT RIGHT OF CENTERLINE, UP TO 2478 FT MSL.
TREES BEGINNING 372 FT FROM DER, 294 FT RIGHT OF CENTERLINE, UP TO 2508 FT MSL.

CONTROLLING OBSTACLES:

REMARKS:

FLIGHT INSPECTED BY:

JOEL LAPLANTE

Digitally signed by

BEV L BORDY

Feb 06, 2017

OFFICE SYMBOL:

FICO

DATE:

02/02/2017

DEVELOPED BY:

BEV BORDY (CHRISTINE BAYSE)

Digitally signed by

BEV L BORDY

Feb 06, 2017

OFFICE SYMBOL:

AJV-5433

DATE:

11/02/2016

APPROVED BY:

LONNIE EVERHART

Digitally signed by

BEV L BORDY

Feb 06, 2017

OFFICE SYMBOL:

AJV-5430

DATE:

REQUIRED EFFECTIVE DATE:

EFFECTIVE CONCURRENT WITH AIRSPACE DOCKET 16-ACE-5.

COORDINATED WITH:

A4A

ALPA

AOPA

APA

HAI

NBAA



OTHER:

APRT MGR, ZKC, CENTRAL FPT

CHANGES - REASONS:



U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION VOR OR GPS 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 =====>		MDA		VIS		MDA		VIS		MDA		VIS		MDA		VIS					
NOTES:																					
PROCEDURE CANCELED EFFECTIVE 27 APRIL 2017																					
CITY AND STATE GRAND LEDGE, MI				ELEVATION: 842 AIRPORT NAME: ABRAMS MUNI				TDZE:				FACILITY IDENTIFIER: LAN				PROCEDURE NO./AMD'T NO./EFFECTIVE DATE: VOR OR GPS-A, AMDT 5A, 03/31/2016				SUP AMD'T DATE	
																				QUALITY 4 CHECKED 5 09/01/2005	

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION VOR STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.23										Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT , HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.											
TERMINAL ROUTES										MISSED APPROACH											
FROM		TO		COURSE AND DISTANCE				ALTITUDE		ADDITIONAL FLIGHT DATA:											
1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)										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 =====>																					
		MDA	VIS			MDA	VIS			MDA	VIS			MDA	VIS						
NOTES:																					
PROCEDURE CANCELED EFFECTIVE 27 APRIL 2017																					
CITY AND STATE LANSING, MI		ELEVATION: 861 AIRPORT NAME: CAPITAL REGION INTL		TDZE: 858		FACILITY IDENTIFIER: LAN		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: VOR RWY 6, AMDT 25, 07/29/2010				SUP VOR OR GPS RWY 6 2400 03/15/2007									

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: 5.52 NM AFTER SEYER LOM									
KERMI INT/MSL VORTAC 32.83 DME			SEYER LOM			308.65 / 28.42			2400			CLIMB TO 1000 THEN CLIMBING RIGHT TURN TO 2400 DIRECT UU LOM AND HOLD. ALTERNATE MA (DO NOT CHART): CLIMB TO 1500 THEN CLIMBING LEFT TURN TO 3000 ON HEADING 142 AND ON MSL VORTAC R-272 TO KERMI INT/MSL VORTAC 32.83 DME AND HOLD. ADDITIONAL FLIGHT DATA: HOLD N, RT, 175.55 INBOUND. CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD W KERMI INT/MSL VORTAC 32.83 DME, RT, 091.76 INBOUND. FAS OBST: 760 AAO 345932N/0883631W CHART COLUMBUS 4 MOA. CHART CIRCLING ICON. CHART (CFFSP) AT 350454.33N/0883735.11W									
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)													MAG VAR: 2W EPOCH YEAR: 2010								
2. HOLD N SEYER LOM, RT, 175.55 INBOUND, 2400 FT. IN LIEU OF PT (IAF)																					
3. FAC: 175.55 FAF: SEYER LOM DIST FAF TO MAP: 5.52 THLD: 5.52																					
4. MIN. ALT: SEYER LOM 2400																					
5. DIST TO THLD FROM OM: 5.52 MM: - IM: - 150 HAT: - 100 HAT: - GS ANT: 837																					
6. MIN GS INCPT: 2400 GS ALT AT: - OM: 2235 MM: - IM: -																					
7. GS ANGLE: 3.00 TCH: 46.0																					
8. MSA FROM: UU LOM 2400																					
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 18	614	1/2	200	614	1/2	200	614	1/2	200	614	1/2	200									
S-LOC 18	1020	1/2	606	1020	1/2	606	1020	1 3/8	606	1020	1 3/8	606									
CIRCLING	1020	1	595	1020	1	595	1080	1 3/4	655	1160	2 1/4	735									
NOTES: CHART NOTE: ADF REQUIRED. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE SELMER ALTIMETER SETTING AND INCREASE S-ILS 18 DA TO 682 AND ALL MDAS 80 FEET AND INCREASE S-LOC 18 CAT C/D VISIBILITY TO 1 1/2 SM, CIRCLING CAT C TO 2 SM, CAT D TO 2 3/4 SM. FOR INOPERATIVE ALS WHEN USING SELMER ALTIMETER (CONTINUED ON PAGE 2)																					
CITY AND STATE CORINTH, MS			ELEVATION: 425 TDZE: 414 AIRPORT NAME: ROSCOE TURNER				FACILITY IDENTIFIER: I-UUR		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 18, AMDT 3 27 APRIL 2017					SUP: AMDT: 2 DATED 02/14/2008							

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

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

NOTES, (CONT.):
SETTING, INCREASE S-ILS 18 ALL CATS VISIBILITY TO 7/8 SM.
CHART NOTE: AUTOPILOT COUPLED APPROACH NA BELOW 1040.
CHART PLANVIEW NOTE: ADF REQUIRED.



CITY AND STATE CORINTH, MS	ELEVATION: 425	TDZE: 414	FACILITY IDENTIFIER: I-UUR	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 18, AMDT 3 27 APRIL 2017	SUP:
	AIRPORT NAME: ROSCOE TURNER				AMDT: 2
					DATED: 02/14/2008

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 =====>																								
		MDA		VIS				MDA		VIS				MDA		VIS								
NOTES:																								
PROCEDURE CANCELED EFFECTIVE 27 APRIL 2017																								
CITY AND STATE ELIZABETH CITY, NC					ELEVATION: 11 TDZE: 10 AIRPORT NAME: ELIZABETH CITY CG AIR STATION/RGNL					FACILITY IDENTIFIER: ECG					PROCEDURE NO./AMDT NO./EFFECTIVE DATE: VOR/DME RWY 1, AMDT 12, 07/24/2014					SUP AMDT 11C DATE 01/18/2007				

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: RW24 CLIMB TO 6900 THEN CLIMBING LEFT TURN TO 9900 DIRECT HZN VORTAC AND HOLD, CONTINUE CLIMB-IN-HOLD TO 9900. *MISSED APPROACH REQUIRES MINIMUM CLIMB OF 315 FEET PER NM TO 6900. ADDITIONAL FLIGHT DATA: FAS OBST: 4817 AAO 392519N/1190911W 4912 AAO 392715N/1190720W DISTANCE TO THLD FROM 356 HAT: 1.06 NM. WAAS CHANNEL # 65740 REFERENCE PATH ID: W24A CHART CIRCLING ICON. CHART FALLON NAS (VAN VOORHIS FLD) ATIS. LTP HAE: 1260.3 M							
HZN VORTAC (IF/IAF)		ZEKEM (TF) (FB) (RNP 1.00)		215.47 / 3.54			7000									
ZEKEM		ZUTZA (TF) (FB) (RNP 1.00)		221.75 / 3.63			6200									
ZUTZA (FAF)		RW24 (MAP) (TF) (FO) (RNP 0.30)		236.18 / 6.11												
RW24 (MAP)		6900 MSL		236.18			6900									
6900 MSL		HZN VORTAC (DF) (FO) (RNP 1.00)					9900									
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD NE HZN VORTAC, RT, 215.47 INBOUND, 8000 FT. IN LIEU OF PT (IAF) 3. FAC: <u>236.18</u> FAF: <u>ZUTZA</u> DIST FAF TO MAP: <u>6.11</u> THLD: <u>6.11</u> 4. MIN. ALT: <u>ZEKEM 7000, ZUTZA 6200</u> 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: <u>6200</u> GS ALT AT: <u>ZUTZA 6200</u> OM: _____ MM: _____ IM: _____ 7. GS ANGLE: <u>3.00</u> TCH: <u>40.0</u> 34:1 IS CLEAR 8. MSA FROM: <u>RW24 10200</u>											MAG VAR: 13E EPOCH YEAR: 2020					
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*	4593	1 1/4	356	4593	1 1/4	356	4593	1 1/4	356		NA					
LPV DA	5007	3	770	5007	3	770	5007	3	770		NA					
LNAV/VNAV DA	5209	4	972	5209	4	972	5209	4	972		NA					
LNAV MDA	5280	1 1/4	1043	5280	1 1/2	1043	5280	3	1043		NA					
CIRCLING	5280	1 1/4	1015	5620	1 1/2	1355	6040	3	1775		NA					
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -23C (-9F) OR ABOVE 54C (130F). CHART NOTE: DME/DME RNP-0.3 NA. CHART PLANVIEW NOTE: NOPT FOR ARRIVAL ON HZN VORTAC AIRWAY RADIAL R-011. (CONTINUED ON PAGE 2)																
CITY AND STATE		ELEVATION: 4265 TDZE: 4237			FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:					SUP:				
SILVER SPRINGS, NV		AIRPORT NAME: SILVER SPRINGS					RNAV (GPS) RWY 24, ORIG 27 APRIL 2017					AMDT: NONE				
												DATED				

QUALITY
 22
 CHECKED

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

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

NOTES, (CONT.):

CHART NOTE: USE FALLON NAS (VAN VOORHIS FLD) ALTIMETER SETTING; WHEN NOT RECEIVED, USE RENO/TAHOE INTL ALTIMETER SETTING.

CITY AND STATE

SILVER SPRINGS, NV

ELEVATION: 4265

TDZE: 4237

AIRPORT NAME:

SILVER SPRINGS

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 24, ORIG

27 APRIL 2017

SUP:

AMDT:

DATED:

QUALITY
22
CHECKED

**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	KSPZ
RUNWAY	RW24
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W24A
LTP/FTP LATITUDE	392421.5320N
LTP/FTP LONGITUDE	1191428.6080W
LTP/FTP ELLIPSOIDAL HEIGHT	+12603
FPAP LATITUDE	392349.7055N
FPAP LONGITUDE	1191615.9835W
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	0920
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
 <u>CRC REMAINDER</u>	 1FA600D7

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K2
LTP ORTHOMETRIC HEIGHT	+12846
FPAP ORTHOMETRIC HEIGHT	+12846

CITY AND STATE

SILVER SPRINGS, NV

ELEVATION: 4265

TDZE: 4237

AIRPORT NAME:

SILVER SPRINGS

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 24, ORIG

27 APRIL 2017

SUP:

AMDT:

DATED:

 QUALITY
22
CHECKED

NONE

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)
TITLE 14 CFR PART 97.37**

Bearings, headings, courses, tracks and radials are magnetic. Elevations and altitudes are in feet, MSL. Altitudes are minimum altitudes unless otherwise indicated.
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<u>CITY, STATE</u>	<u>AIRPORT</u>	<u>EFFECTIVE DATE</u>	<u>AMDT NO</u>
SILVER SPRINGS, NV	SILVER SPRINGS	27 APRIL 2017	ORIG

TAKEOFF MINIMUMS:

RWY 6: STANDARD.

RWY 24: 2800-3 FOR VCOA.

TEXTUAL DEPARTURE PROCEDURES:

RWY 6: CLIMB HEADING 056.08 TO INTERCEPT HZN R-220 TO 8000. CONTINUE CLIMB IN HZN VORTAC HOLDING PATTERN (HOLD NE, RT, 211.47 INBOUND) TO CROSS HZN VORTAC AT OR ABOVE MEA FOR ROUTE OF FLIGHT.

VISUAL CLIMB OVER AIRPORT:

RWY 24: OBTAIN ATC APPROVAL FOR VCOA WHEN REQUESTING IFR CLEARANCE. CLIMB IN VISUAL CONDITIONS TO CROSS SILVER SPRINGS AIRPORT AT OR ABOVE 6900, THEN PROCEED ON HZN VORTAC R-220 TO 8000 TO HZN VORTAC.

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 6: WINDSOCK AND SIGN BEGINNING 29 FT FROM DER, 204 FT LEFT OF CENTERLINE, UP TO 23 FT AGL/4235 FT MSL.

NOTE: RWY 24: TERRAIN 52 FT FROM DER, 495 FT RIGHT OF CENTERLINE, 4267 FT MSL. POLE 2258 FT FROM DER, 938 FT RIGHT OF CENTERLINE, 33 FT AGL/4324 FT MSL. POLE 2277 FT FROM DER, 883 FT RIGHT OF CENTERLINE, 38 FT AGL/4328 FT MSL.

CONTROLLING OBSTACLES:

RWY 24 (VCOA): 6565 FT MSL AAO 392837.96N/1191650.88W.

OBSTACLES MANDATING ODP ROUTE DEVELOPMENT: RWY 6: 6073 FT MSL AAO 392725.22N/1191623.13W, 7474 FT MSL AAO 392952.43N/1192028.93W.

REMARKS:

RWY 24: AIRPORT REQUESTS VCOA ONLY FOR RWY 24.

ATC WILL ENSURE DECONFLICTION FROM AIRCRAFT REQUIRING CIH AT HZN VORTAC AND CHURCHILL MOA.

FLIGHT INSPECTED BY: *Digitally signed by*
TONY BAMSEY **JOHNNIE BAKER**
Feb 15, 2017

OFFICE SYMBOL: **DATE:**
FICO 02/10/2017

DEVELOPED BY: *Digitally signed by*
STEVEN NELSON **STEVEN NELSON**
Dec 22, 2016

OFFICE SYMBOL: **DATE:**
AJV-5423 11/08/2016

APPROVED BY: *Digitally signed by*
TONY LAWSON **JOHNNIE BAKER**
Feb 15, 2017

OFFICE SYMBOL: **DATE:**
AJV-5420

REQUIRED EFFECTIVE DATE:

COORDINATED WITH:

<u>A4A</u>	<u>ALPA</u>	<u>AOPA</u>	<u>APA</u>	<u>HAI</u>	<u>NBAA</u>
☐	☒	☒	☐	☐	☒

OTHER:

ZOA ARTCC, NFL APP CON, AMGR.

CHANGES - REASONS:

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)
TITLE 14 CFR PART 97.37**

Bearings, headings, courses, tracks and radials are magnetic. Elevations 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
DAYTON, OH	JAMES M COX DAYTON INTL	04/27/2017	4

TAKEOFF MINIMUMS:

RWY 6L, 6R, 24L, 24R, 36: STANDARD

RWY 18: 300-1 OR STANDARD WITH A MINIMUM CLIMB OF 305 FEET PER NM TO 1300.

TEXTUAL DEPARTURE PROCEDURES:

VISUAL CLIMB OVER AIRPORT:

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 6R, TOWER 3128 FT FROM DER, 1114 FT RIGHT OF CENTERLINE, 140 FT AGL/1101 FT MSL.

NOTE: RWY 18, TREES BEGINNING 1033 FT FROM DER, 77 FT RIGHT OF CENTERLINE, UP TO 1048 FT MSL. TREE 1047 FT FROM DER, 38 FT LEFT OF CENTERLINE, 1039 FT MSL. TREE 1049 FT FROM DER, 326 FT LEFT OF CENTERLINE, 1040 FT MSL. TREE 1050 FT FROM DER, 437 FT LEFT OF CENTERLINE, 1041 FT MSL. TREES BEGINNING 1051 FT FROM DER, 192 FT LEFT OF CENTERLINE, UP TO 1047 FT MSL. WIND INDICATOR ON BLDG, STEEPLE, POLE, ANT ON BLDG, TREE BEGINNING 1141 FT FROM DER, 195 FT LEFT OF CENTERLINE, UP TO 1049 FT MSL. TREES BEGINNING 1378 FT FROM DER, 325 FT LEFT OF CENTERLINE, UP TO 1056 FT MSL. TREES BEGINNING 1618 FT FROM DER, 244 FT LEFT OF CENTERLINE, UP TO 1060 FT MSL. TREE 1631 FT FROM DER, 558 FT RIGHT OF CENTERLINE, 1054 FT MSL. TREE 1711 FT FROM DER, 185 FT LEFT OF CENTERLINE, 1066 FT MSL. TREES BEGINNING 1785 FT FROM DER, 311 FT LEFT OF CENTERLINE, UP TO 1072 FT MSL. TREES BEGINNING 1825 FT FROM DER, 210 FT LEFT OF CENTERLINE, UP TO 74 FT AGL/1079 FT MSL. TREE 1832 FT FROM DER, 563 FT RIGHT OF CENTERLINE, 1060 FT MSL. TREES BEGINNING 2013 FT FROM DER, 139 FT RIGHT OF CENTERLINE, UP TO 1072 FT MSL. TREES BEGINNING 2322 FT FROM DER, 958 FT RIGHT OF CENTERLINE, UP TO 1073 FT MSL. TREE 2378 FT FROM DER, 916 FT LEFT OF CENTERLINE, 1089 FT MSL. TREES BEGINNING 2379 FT FROM DER, 141 FT LEFT OF CENTERLINE, UP TO 96 FT AGL/1095 FT MSL. TREE 2574 FT FROM DER, 1075 FT RIGHT OF CENTERLINE, 1094 FT MSL. TREE 2578 FT FROM DER, 1098 FT RIGHT OF CENTERLINE, 89 FT AGL/1096 FT MSL. TREES BEGINNING 2923 FT FROM DER, 412 FT LEFT OF CENTERLINE, UP TO 1098 FT MSL. TANK 4227 FT FROM DER, 1469 FT LEFT OF CENTERLINE, 184 FT AGL/1168 FT MSL.

NOTE: RWY 24L, VEHICLES ON ROAD 200 FT FROM DER, CROSSING RUNWAY CENTERLINE, UP TO 15 FT AGL/1021 FT MSL. TREE 992 FT FROM DER, 522 FT LEFT OF CENTERLINE, 1049 FT MSL. TREE 1139 FT FROM DER, 740 FT LEFT OF CENTERLINE, 1056 FT MSL. TREES BEGINNING 1722 FT FROM DER, 527 FT LEFT OF CENTERLINE, UP TO 1061 FT MSL.

NOTE: RWY 36, AIRFIELD LIGHT BEGINNING 5 FT FROM DER, 4 FT RIGHT OF CENTERLINE, UP TO 2 FT AGL/992 FT MSL. TREE 1947 FT FROM DER, 939 FT LEFT OF CENTERLINE, 1040 FT MSL.

CONTROLLING OBSTACLES:

RWY 18: 1168 FT MSL TANK 395256.97N/0841220.32W (CG/CTA/CEILING/VISIBILITY).

REMARKS:

FLIGHT INSPECTED BY:

PENDING

OFFICE SYMBOL:

DATE:

DEVELOPED BY:

DUSTIN DAVIDSON

DUSTIN RYAN DAVIDSON
Digitally signed by DUSTIN RYAN DAVIDSON
Date: 2017.01.19 14:37:53 -06'00'

OFFICE SYMBOL:

AJV-5422

DATE:

01/19/2017

APPROVED BY:

JULIE MORGAN

*Digitally signed by
STEVEN A VARGAS*

Feb 03, 2017

OFFICE SYMBOL:

AJV-5420

DATE:

REQUIRED EFFECTIVE DATE:

04/27/2017

COORDINATED WITH:

A4A	ALPA	AOPA	APA	HAI	NBAA
☒	☒	☒	☒	☐	☒

QUALITY
5
CHECKED

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)
TITLE 14 CFR PART 97.37**

Bearings, headings, courses, tracks and radials are magnetic. Elevations and altitudes are in feet, MSL. Altitudes are minimum altitudes unless otherwise indicated.
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<u>CITY, STATE</u>	<u>AIRPORT</u>	<u>EFFECTIVE DATE</u>	<u>AMDT NO</u>
DAYTON, OH	JAMES M COX DAYTON INTL	04/27/2017	4

OTHER:

ZID, DAY APP CON, AMGR

CHANGES - REASONS:

CHANGES:

1. INCREASED RWY 18 MINIMUM CLIMB GRADIENT FROM 290 FT PER NM TO 305 FT PER NM.
2. UPDATED RWY 18 CONTROLLING OBSTACLE FROM 1163 TANK (395257.00N/0841221.00W) TO 1168 TANK (395256.97N/0841220.32W).
3. UPDATED TAKEOFF OBSTACLE NOTES.

REASONS:

- 1-2. NEW OBSTACLE SURVEY SINCE LAST PROCEDURE AMENDMENT.
3. MATCH 8260-15A FORMS FOR AIRPORT.



U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION LOC STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.25								Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.							
TERMINAL ROUTES										MISSED APPROACH					
FROM		TO		COURSE AND DISTANCE				ALTITUDE		MAP: 7.10 NM AFTER LUTZZ INT/I-UAL 8.09 DME OR AT I-UAL 0.99 DME CLIMB TO 900 THEN CLIMBING LEFT TURN TO 4000 ON HEADING 050 AND BTG R-160 TO GLARA INT/BTG 28.20 DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 4000. ALTERNATE MA (DO NOT CHART): CLIMB TO 900 THEN CLIMBING RIGHT TURN TO 3100 TO UBG VOR/DME AND HOLD.					
UBG VOR/DME		LUTZZ INT/I-UAL 8.09 DME		062.56 / 9.80				4000		ADDITIONAL FLIGHT DATA: HOLD S, LT, 340.00 INBOUND. CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD S UBG VOR/DME, RT, 003.00 INBOUND. CHART FAS OBST: 311 TREE 451547N/1224604W CHART VDP AT 1.91 DME DISTANCE VDP TO THLD 0.92 NM. CHART IN PLANVIEW: UBG VOR/DME. CHART CIRCLING ICON.					
BTG VORTAC (IAF)		MOKIY INT/I-UAL 14.10 DME (NOPT)		178.41 / 17.63				3100							
MOKIY INT/I-UAL 14.10 DME (IF)		LUTZZ INT/I-UAL 8.09 DME		172.14 / 6.01 (I-UAL)				2600							
1. PT <u> R </u> SIDE OF COURSE <u> 352.14 </u> OUTBOUND <u> 3100 </u> FT WITHIN <u> 10 </u> MILES OF <u> LUTZZ </u> (IAF) 2. _____ 3. FAC <u> 172.14 </u> FAF <u> LUTZZ INT/I-UAL 8.09 DME </u> DIST FAF TO MAP <u> 7.10 </u> THLD <u> 7.10 </u> 4. MIN. ALT <u> LUTZZ 2600, FIDOV INT/I-UAL 3.59 DME 1000 </u> 8. MSA FROM: <u> UBG VOR/DME 350-080 3100, 080-170 3600, 170-350 4800 </u>										MAG VAR: 15E		EPOCH YEAR: 2020			
MINIMUMS															
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT								ALTERNATE: N A		STANDARD @					
CATEGORY =====>		A		B		C		D		E					
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA
S-17	1000	3/4	800	1000	1	800	1000	2	800	1000	2	800			
CIRCLING	1000	1	800	1000	1 1/4	800	1000	2 1/2	800	1000	2 1/2	800			
FIDOV FIX MINIMUMS															
S-17	580	3/4	380	580	3/4	380	580	1	380	580	1	380			
CIRCLING	640	1	440	660	1	460	660	1 1/2	460	940	2 1/4	740			
NOTES: CHART NOTE: RWY 17 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}). CHART NOTE: FIDOV FIX MINIMUMS: INOPERATIVE TABLE DOES NOT APPLY TO CATS C/D. CHART NOTE: FOR INOPERATIVE ALS, INCREASE S-17 CATS C/D VISIBILITY TO 2 1/2 SM.															
CITY AND STATE AURORA, OR		ELEVATION: 200 AIRPORT NAME: AURORA STATE		TDZE: 200		FACILITY IDENTIFIER: I-UAL		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: LOC RWY 17, AMDT 2 27 APRIL 2017				SUP			
												AMDT 1B			
												DATE 04/03/2014			

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

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

QUALITY
9
CHECKED

CITY AND STATE

AURORA, OR

ELEVATION: 200

TDZE: 200

AIRPORT NAME:

AURORA STATE

FACILITY
IDENTIFIER:

I-UAO

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

LOC RWY 17, AMDT 2

27 APRIL 2017

SUP:

AMDT: 1B

DATED: 04/03/2014

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33						Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.										
TERMINAL ROUTES											MISSED APPROACH					
FROM		TO			COURSE AND DISTANCE			ALTITUDE		LPV: DA LNAV/VNAV: DA LNAV: RW17 CLIMB TO 3900 DIRECT DUBMY AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3900. ADDITIONAL FLIGHT DATA: HOLD S, RT, 352.12 INBOUND. CHART FAS OBST: 311 TREE 451547N/1224604W DISTANCE TO THLD FROM 272 HAT: 0.73 NM. CHART VDP AT 0.92 NM TO RW17* *LNAV ONLY. WAAS CHANNEL # 70308 REFERENCE PATH ID: W17A CHART CIRCLING ICON. LTP HAE: 37.8 M						
UBG VOR/DME		MOKIY (TF) (FO) (RNP 2.00)			040.99 / 12.63			4000								
MOKIY (IF/IAF)		LUTZZ (TF) (FB) (RNP 1.00)			172.15 / 6.01			2500								
LUTZZ (FAF)		FIDOV/2.60 NM TO RW17 (TF) (FB) (RNP 0.30)			172.15 / 4.50											
FIDOV/2.60 NM TO RW17		RW17 (MAP) (TF) (FO) (RNP 0.30)			172.15 / 2.60											
RW17 (MAP)		472 MSL			172.15			3900								
472 MSL		DUBMY (DF) (FO) (RNP 1.00)														
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD N MOKIY, LT, 172.15 INBOUND, 4000 FT. IN LIEU OF PT (IAF) 3. FAC: 172.15 FAF: LUTZZ DIST FAF TO MAP: 7.10 THLD: 7.10 4. MIN. ALT: MOKIY 4000, LUTZZ 2500, FIDOV/2.60 NM TO RW17 1060* 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 2500 GS ALT AT: LUTZZ 2500 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 40.0 34:1 IS NOT CLEAR 8. MSA FROM: RW17 6200											MAG VAR: 15E		EPOCH YEAR: 2020			
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	511	7/8	311	511	7/8	311	511	7/8	311	511	7/8	311				
LNAV/VNAV DA	472	3/4	272	472	3/4	272	472	3/4	272	472	3/4	272				
LNAV MDA	580	3/4	380	580	3/4	380	580	1	380	580	1	380				
CIRCLING	640	1	440	660	1	460	660	1 1/2	460	940	2 1/4	740				
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -6C (22F) OR ABOVE 54C (130F). CHART NOTE: RWY 17 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. CHART NOTE: DME/DME RNP-0.3 NA. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON UBG VOR/DME AIRWAY RADIALS 334 CW 111. (CONTINUED ON PAGE 2)																
CITY AND STATE		ELEVATION: 200 TDZE: 200			FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:					SUP:				
AURORA, OR		AIRPORT NAME:					RNAV (GPS) RWY 17, AMDT 1					AMDT: ORIG-D				
		AURORA STATE					27 APRIL 2017					DATED 05/01/2014				



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 PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).

CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO LNAV CATS C/D.

CHART NOTE: FOR INOPERATIVE ALS, INCREASE LPV ALL CATS VISIBILITY TO 1 SM AND INCREASE LNAV/VNAV ALL CATS VISIBILITY TO 7/8 SM.



CITY AND STATE AURORA, OR	ELEVATION: 200 AIRPORT NAME: AURORA STATE	TDZE: 200 RNAV	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 17, AMDT 1 27 APRIL 2017	SUP:
					AMDT: ORIG-D
					DATED: 05/01/2014

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

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

FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KUAO
RUNWAY	RW17
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W17A
LTP/FTP LATITUDE	451514.1665N
LTP/FTP LONGITUDE	1224607.8280W
LTP/FTP ELLIPSOIDAL HEIGHT	+00378
FPAP LATITUDE	451345.7710N
FPAP LONGITUDE	1224623.4985W
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
 <u>CRC REMAINDER</u>	 9A20C72C

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K1
LTP ORTHOMETRIC HEIGHT	+00608
FPAP ORTHOMETRIC HEIGHT	+00608

QUALITY
20
CHECKED

CITY AND STATE AURORA, OR	ELEVATION: 200 AIRPORT NAME: AURORA STATE	TDZE: 200 RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 17, AMDT 1 27 APRIL 2017	SUP:
				AMDT: ORIG-D
				DATED: 05/01/2014

RNAV - STANDARD US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION						INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33										Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.					
TERMINAL ROUTES												MISSED APPROACH									
FROM		TO			COURSE AND DISTANCE			ALTITUDE			LPV: DA LNAV/VNAV: DA LNAV: RW35 CLIMB TO 2500 DIRECT LUTZZ AND HOLD. ADDITIONAL FLIGHT DATA: HOLD S, RT, 352.15 INBOUND. CHART FAS OBST: 325 TOWER 451310N/1224548W DISTANCE TO THLD FROM 253 HAT: 0.68 NM. CHART VDP AT 0.96 NM TO RW35* *LNAV ONLY. WAAS CHANNEL # 77508 REFERENCE PATH ID: W35A CHART CIRCLING ICON. LTP HAE: 36.8 M										
UBG VOR/DME		DUBMY (TF) (FO) (RNP 2.00)			144.34 / 20.53			3700													
EMADE (IAF)		DUBMY (NOPT) (TF) (FB) (RNP 1.00)			020.43 / 7.85			3700													
DUBMY (IF/IAF)		HITAK (TF) (FB) (RNP 1.00)			352.12 / 4.50			2500													
HITAK		CIGRU (TF) (FB) (RNP 1.00)			352.12 / 3.44			1700													
CIGRU (FAF)		TAZZE/2.00 NM TO RW35 (TF) (FB) (RNP 0.30)			352.13 / 2.60																
(SEE FORM 8260-10)																					
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD S DUBMY, RT, 352.12 INBOUND, 3700 FT. IN LIEU OF PT (IAF) 3. FAC: 352.13 FAF: CIGRU DIST FAF TO MAP: 4.60 THLD: 4.60 4. MIN. ALT: DUBMY 3700, HITAK 2500, CIGRU 1700, TAZZE/2.00 NM TO RW35 860* 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 1700 GS ALT AT: CIGRU 1700 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 40.0 34:1 IS NOT CLEAR 8. MSA FROM: RW35 6200																					
												MAG VAR: 15E EPOCH YEAR: 2020									
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	452	7/8	253	452	7/8	253	452	7/8	253	452	7/8	253									
LNAV/VNAV DA	480	1	281	480	1	281	480	1	281	480	1	281									
LNAV MDA	580	1	381	580	1	381	580	1 1/8	381	580	1 1/8	381									
CIRCLING	640	1	440	660	1	460	660	1 1/2	460	940	2 1/4	740									
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -6C (22F) OR ABOVE 54C (130F). CHART NOTE: RWY 35 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. CHART NOTE: DME/DME RNP-0.3 NA. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT EMADE ON V23 SOUTHWEST BOUND. (CONTINUED ON PAGE 2)																					
CITY AND STATE		ELEVATION: 200 TDZE: 199			FACILITY IDENTIFIER: RNAV			PROCEDURE NO./AMDT NO./EFFECTIVE DATE:						SUP:							
AURORA, OR		AIRPORT NAME:			AURORA STATE			RNAV (GPS) RWY 35, AMDT 1						AMDT: ORIG-E							
								27 APRIL 2017						DATED 04/03/2014							



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

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

TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
TAZZE/2.00 NM TO RW35	RW35 (MAP) (TF) (FO) (RNP 0.30)	352.13 / 2.00	
RW35 (MAP)	452 MSL	352.13	
452 MSL	LUTZZ (DF) (FO) (RNP 1.00)		2500

NOTES, (CONT.):

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON UBG VOR/DME AIRWAY RADIALS 085 CW 204.

CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).

QUALITY
20
CHECKED

CITY AND STATE

AURORA, OR

ELEVATION: 200

TDZE: 199

AIRPORT NAME:

AURORA STATE

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 35, AMDT 1

27 APRIL 2017

SUP:

AMDT: ORIG-E

DATED: 04/03/2014

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

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

FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KUAO
RUNWAY	RW35
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W35A
LTP/FTP LATITUDE	451425.1480N
LTP/FTP LONGITUDE	1224616.5150W
LTP/FTP ELLIPSOIDAL HEIGHT	+00368
FPAP LATITUDE	451553.5435N
FPAP LONGITUDE	1224600.8355W
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
 <u>CRC REMAINDER</u>	 BE43C38C

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K1
LTP ORTHOMETRIC HEIGHT	+00598
FPAP ORTHOMETRIC HEIGHT	+00598

QUALITY
20
CHECKED

CITY AND STATE AURORA, OR	ELEVATION: 200 AIRPORT NAME: AURORA STATE	TDZE: 199 RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 35, AMDT 1 27 APRIL 2017	SUP:
				AMDT: ORIG-E
				DATED: 04/03/2014

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION		RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.													
TERMINAL ROUTES										MISSED APPROACH									
FROM		TO		COURSE AND DISTANCE				ALTITUDE		ADDITIONAL FLIGHT DATA:									
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)										MAG VAR: _____ EPOCH YEAR: _____									
2. _____																			
3. FAC: _____ FAF: _____ DIST FAF TO MAP: _____ THLD: _____																			
4. MIN. ALT: _____																			
5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____																			
6. MIN GS INCPT: _____ GS ALT AT: _____ OM: _____ MM: _____ IM: _____																			
7. GS ANGLE: _____ TCH: _____																			
8. MSA FROM: _____																			
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT										ALTERNATE: N A									
CATEGORY =====>																			
		DH/MDA	VIS		DH/MDA	VIS		DH/MDA	VIS		DH/MDA	VIS		DH/MDA	VIS				
NOTES:																			
PROCEDURE CANCELED EFFECTIVE 27 APRIL 2017																			
CITY AND STATE AURORA, OR		ELEVATION: 200 TDZE:		AIRPORT NAME: AURORA STATE		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS)-B, ORIG-B, 04/03/2014				SUP: AMDT: ORIG-A DATED 05/08/2013							

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: 5.79 NM AFTER LOTKE INT/I-SLE 6.91 DME OR AT I-SLE 1.12 DME CLIMB TO 4000 ON I-SLE LOCALIZER NW COURSE TO ARTTY INT/I-SLE 5.59 DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 4000. ALTERNATE MA (DO NOT CHART): CLIMB TO 800 THEN CLIMBING RIGHT TURN TO 3000 DIRECT SL NDB AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3000. (ADF REQUIRED). ADDITIONAL FLIGHT DATA: HOLD NW, RT, 133.08 INBOUND. CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD SE SL NDB, LT, 313.09 INBOUND. FAS OBST: 770 AAO 445119N/1225641W CHART VDP AT 3.50 DME* DISTANCE VDP TO THLD 2.39 NM. *LOC ONLY. CHART IN PLANVIEW: SL NDB. CHART CIRCLING ICON								
UBG VOR/DME		LOTKE INT/I-SLE 6.91 DME		155.21 / 32.11		3800										
CVO VOR/DME		LOTKE INT/I-SLE 6.91 DME		021.06 / 24.76		3500										
ARTTY INT/I-SLE 5.59 DME		LOTKE INT/I-SLE 6.91 DME		133.08 / 12.51 (I-SLE)		3300										
JAIME INT/I-SLE 34.60 DME (IAF)		GLORR INT/I-SLE 18.54 DME (NOPT)		313.09 / 16.07 (I-SLE)		5600										
GLORR INT/I-SLE 18.54 DME (IF/IAF)		SCIOS INT/I-SLE 11.26 DME (NOPT)		313.09 / 7.28 (I-SLE)		3400										
SCIOS INT/I-SLE 11.26 DME		LOTKE INT/I-SLE 6.91 DME		313.09 / 4.35 (I-SLE)		2100										
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD SE LOTKE, RT, 313.09 INBOUND, 2400 FT. IN LIEU OF PT (IAF) 3. FAC: 313.09 FAF: LOTKE INT/I-SLE 6.91 DME DIST FAF TO MAP: 5.79 THLD: 5.79 4. MIN. ALT: LOTKE 2100 5. DIST TO THLD FROM OM: _____ - _____ MM: _____ - _____ IM: _____ 150 HAT: _____ - _____ 100 HAT: _____ - _____ GS ANT: 867 6. MIN GS INCPT: 2100 GS ALT AT: LOTKE 2100 OM: _____ - _____ MM: _____ - _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 41.7 8. MSA FROM: SL NDB 020-140 6300, 140-290 4800, 290-020 3100										MAG VAR: 17E		EPOCH YEAR: 2005				
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 31 %		414	2400	200	414	2400	200	414	2400	200	414	2400	200			
S-LOC 31		1020	2400	806	1020	4000	806	1020	1 7/8	806	1020	1 7/8	806			
CIRCLING		1020	1	806	1020	1 1/4	806	1020	2 1/2	806	1260	3	1046			
NOTES: CHART NOTE: % RVR 1800 AUTHORIZED WITH THE USE OF FD OR AP OR HUD TO DA. CHART NOTE: RWY 34 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE MC MINNVILLE ALTIMETER SETTING: INCREASE DA TO 463 FT, AND ALL MDA 60 FT; INCREASE S-LOC 31 CATS C/D VISIBILITY TO 2 SM AND (CONTINUED ON PAGE 2)																
CITY AND STATE SALEM, OR		ELEVATION: 214 TDZE: 214 AIRPORT NAME: MCNARY FLD		FACILITY IDENTIFIER: I-SLE		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC Z RWY 31, AMDT 31 27 APRIL 2017						SUP: AMDT: 30 DATED 04/30/2015				



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.):

CIRCLING CAT A VISIBILITY TO 1 1/4 SM.

CHART NOTE: VDP NA WHEN USING MC MINNVILLE ALTIMETER SETTING.

CHART NOTE: FOR INOPERATIVE ALS, INCREASE S-LOC 31 CAT C/D VISIBILITY TO 2 1/2 SM.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT JAIME ON V536 EASTBOUND.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT GLORR ON V448 SOUTHBOUND.

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

QUALITY
23
CHECKED

CITY AND STATE

SALEM, OR

ELEVATION: 214

TDZE: 214

AIRPORT NAME:

MCNARY FLD

FACILITY
IDENTIFIER:

I-SLE

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

ILS OR LOC Z RWY 31, AMDT 31

27 APRIL 2017

SUP:

AMDT: 30

DATED: 04/30/2015

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION LOC STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.25										Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.									
TERMINAL ROUTES										MISSED APPROACH									
FROM			TO			COURSE AND DISTANCE			ALTITUDE		MAP: WIPIR/I-SLE 0.60 DME								
CVO VOR/DME			ARTTY/I-SLE 5.59 DME			359.24 / 31.45			4000		CLIMB TO 2400 ON I-SLE LOCALIZER SE COURSE (133) TO LOTKE INT/I-SLE 6.91 DME AND HOLD.								
UBG VOR/DME (IAF)			MCCOY INT/I-SLE 11.69 DME (NOPT)			183.19 / 17.44			3100										
MCCOY INT/I-SLE 11.69 DME (IF)			ARTTY/I-SLE 5.59 DME			133.08 / 6.09 (I-SLE)			2200										
										ADDITIONAL FLIGHT DATA: HOLD SE, RT, 313.09 INBOUND. CHART FAS OBST: 338 BLDG 445619N/1230150W ARTTY TO RW13: 3.20/50. CHART CIRCLING ICON. CHART IN PLANVIEW: UBG 17.44 DME AT MCCOY. CHART IN PLANVIEW: CVO 31.5 DME AT ARTTY.									
1. PT <u>L</u> SIDE OF COURSE <u>313.08</u> OUTBOUND <u>3000</u> FT WITHIN <u>10</u> MILES OF <u>ARTTY</u> (IAF)																			
2.																			
3. FAC <u>133.08</u> FAF <u>ARTTY/I-SLE 5.59 DME</u> DIST FAF TO MAP <u></u> THLD <u>5.76</u>																			
4. MIN. ALT <u>ARTTY 2200, JUVRO/I-SLE 1.70 DME 860</u>																			
8. MSA FROM: <u>SL NDB 020-140 6300, 140-290 4800, 290-020 3100</u>										MAG VAR: 17E EPOCH YEAR: 2005									
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-13		600	3/4	396	600	3/4	396	600	1	396	600	1	396						
CIRCLING		900	1	686	940	1	726	1000	2 1/4	786	1260	3	1046						
NOTES:																			
CHART PROFILE NOTE: DISREGARD GS INDICATIONS.										@ NA WHEN LOCAL WEATHER NOT AVAILABLE.									
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE MC MINNVILLE ALTIMETER SETTING:										@ CAT C 800-2 1/4, CAT D 1100-3									
INCREASE ALL MDA 60 FEET; INCREASE S-13 CAT C/D VISIBILITY TO 1 1/8 SM AND CIRCLING CAT C																			
VISIBILITY TO 2 1/2 SM.																			
(CONTINUED ON PAGE 2)																			
CITY AND STATE		ELEVATION: 214			TDZE: 204			FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP LOC/DME BC RWY					
SALEM, OR								I-SLE		LOC BC RWY 13, AMDT 9				13					
		MCNARY FLD								27 APRIL 2017				AMDT 8A					
														DATE 06/25/2015					



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

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

NOTES, (CONT.):

CHART NOTE: FOR INOPERATIVE ALS, INCREASE S-13 CAT C AND D VISIBILITY TO 1 1/8 SM.

CHART NOTE: FOR INOPERATIVE ALS WHEN USING MC MINNVILLE ALTIMETER SETTING, INCREASE S-13 CAT D VISIBILITY TO 1 3/8 SM.

CHART NOTE: RWY 13 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL AT UBG VOR/DME ON V182 NORTHEAST BOUND.

CHART PLANVIEW NOTE ADJACENT TO CVO VOR/DME: RADAR REQUIRED.

CHART NOTE: DME REQUIRED.

CHART NOTE: RWY 34 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.

QUALITY
23
CHECKED

CITY AND STATE

SALEM, OR

ELEVATION: 214

TDZE: 204

AIRPORT NAME:

MCNARY FLD

FACILITY
IDENTIFIER:

I-SLE

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

LOC BC RWY 13, AMDT 9

27 APRIL 2017

SUP: LOC/DME BC RWY
13

AMDT: 8A

DATED: 06/25/2015

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: I-SLE 1.12 DME							
UBG VOR/DME		SL NDB/I-SLE 4.97 DME			156.81 / 30.37			3800		CLIMB TO 4000 ON I-SLE LOCALIZER NW COURSE TO ARTTY INT/I-SLE 5.59 DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 4000. ALTERNATE MA (DO NOT CHART): CLIMB TO 800 THEN CLIMBING RIGHT TURN TO 3000 DIRECT (SEE FORM 8260-10)							
GNNET/BTG 40.08 DME		SL NDB/I-SLE 4.97 DME			179.20 / 16.06			3200									
CVO VOR/DME		SL NDB/I-SLE 4.97 DME			016.98 / 25.51			3800									
ARTTY INT/I-SLE 5.59 DME		SL NDB/I-SLE 4.97 DME			133.10 / 10.56			3300									
JAIME INT/I-SLE 34.60 DME (IAF)		GLORR INT/I-SLE 18.54 DME (NOPT)			313.09 / 16.07 (I-SLE)			5600		ADDITIONAL FLIGHT DATA: HOLD NW, RT, 133.08 INBOUND. CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD SE SL NDB, LT, 313.09 INBOUND. CHART FAS OBST: 505 TREE 445219N/1225746W CHART VDP AT 2.49 DME DISTANCE VDP TO THLD 1.37 NM. CHART CIRCLING ICON. SL NDB TO RW31: 3.50/55.							
GLORR INT/I-SLE 18.54 DME (IF/IAF)		SCIOS INT/I-SLE 11.26 DME (NOPT)			313.09 / 7.28 (I-SLE)			3500									
SCIOS INT/I-SLE 11.26 DME		SL NDB/I-SLE 4.97 DME			313.09 / 6.29 (I-SLE)			1700									
1. PT <u> R </u> SIDE OF COURSE <u> 133.09 </u> OUTBOUND <u> 3000 </u> FT WITHIN <u> 10 </u> MILES OF <u> SL NDB </u> (IAF) 2. _____ 3. FAC <u> 313.09 </u> FAF <u> SL NDB/I-SLE 4.97 DME </u> DIST FAF TO MAP _____ THLD <u> 3.85 </u> 4. MIN. ALT <u> HINER/I-SLE 8.97 DME 2400, SL NDB 1700, ZEGNA/I-SLE 3.22 DME 1020* </u> 8. MSA FROM: <u> SL NDB 020-140 6300, 140-290 4800, 290-020 3100 </u>														MAG VAR: 17E		EPOCH YEAR: 2005	
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-LOC 31	780	2400	566	780	2400	566	780	1 1/4	566	780	1 1/4	566					
CIRCLING	900	1	686	940	1	726	1000	2 1/4	786	1260	3	1046					
NOTES:																	
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE MC MINNVILLE ALTIMETER SETTING: INCREASE ALL MDA 60 FEET; INCREASE S-LOC 31 CAT C AND D VISIBILITY TO 1 3/8 SM, CIRCLING CAT C VISIBILITY TO 2 1/2 SM. *1080 WHEN USING MC MINNVILLE ALTIMETER SETTING. (CONTINUED ON PAGE 2)										@ NA WHEN LOCAL WEATHER NOT AVAILABLE. @ CAT C 800-2 1/4, CAT D 1100-3							
CITY AND STATE SALEM, OR		ELEVATION: 214 AIRPORT NAME: MCNARY FLD		TDZE: 214		FACILITY IDENTIFIER: I-SLE		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: LOC Y RWY 31, AMDT 4 27 APRIL 2017				SUP					
												AMDT 3					
												DATE 04/30/2015					



**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.

MISSED APPROACH INSTRUCTIONS, (CONT.):

SL NDB AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3000. (ADF REQUIRED).

NOTES, (CONT.):

CHART NOTE: FOR INOPERATIVE ALS, INCREASE S-LOC 31 CATS C AND D VISIBILITY TO 1 5/8 SM.

CHART NOTE: FOR INOPERATIVE ALS WHEN USING MC MINNVILLE ALTIMETER SETTING, INCREASE S- LOC 31 CATS C AND D VISIBILITY TO 1 3/4 SM.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT JAIME ON V536 EASTBOUND AND ARRIVALS AT GLORR ON V448 SOUTHBOUND.

CHART NOTE: VDP NA WHEN USING MC MINNVILLE ALTIMETER SETTING.

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

CHART NOTE: DME REQUIRED.

CHART NOTE: RWY 34 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.

QUALITY
23
CHECKED

CITY AND STATE

SALEM, OR

ELEVATION: 214

TDZE: 214

AIRPORT NAME:

MCNARY FLD

FACILITY
IDENTIFIER:

I-SLE

PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:

LOC Y RWY 31, AMDT 4

27 APRIL 2017

SUP:

AMDT: 3

DATED: 04/30/2015

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)
TITLE 14 CFR PART 97.37**

Bearings, headings, courses, tracks and radials are magnetic. Elevations 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.

<u>CITY, STATE</u>	<u>AIRPORT</u>	<u>EFFECTIVE DATE</u>	<u>AMDT NO</u>
SALEM, OR	MCNARY FLD	27 APRIL 2017	9

TAKEOFF MINIMUMS:
RWY 31, 34 STANDARD.

RWY 13, STANDARD WITH MINIMUM CLIMB OF 260 FT PER NM TO 1100, OR 1500-2 1/2 FOR VCOA.

RWY 16, STANDARD WITH MINIMUM CLIMB OF 570 FT PER NM TO 1100 OR 400-2 1/2 WITH MINIMUM CLIMB OF 260 FT PER NM TO 1100 OR 1500-2 1/2 FOR VCOA.

TEXTUAL DEPARTURE PROCEDURES:

RWY 13: CLIMB DIRECT TURNO NDB (ADF REQUIRED). WESTBOUND AIRCRAFT, PROCEED ON COURSE. EASTBOUND AIRCRAFT CONTINUE CLIMB IN HOLDING (HOLD SE, LEFT TURNS, 313 INBOUND) TO CROSS TURNO NDB/INT AT OR ABOVE 2500 FT BEFORE PROCEEDING ON COURSE. WHEN EXECUTING VCOA, NOTIFY ATC PRIOR TO DEPARTURE.

RWY 16: CLIMBING LEFT TURN DIRECT TURNO NDB (ADF REQUIRED). WESTBOUND AIRCRAFT, PROCEED ON COURSE. EASTBOUND AIRCRAFT CONTINUE CLIMB IN HOLDING (HOLD SE, LEFT TURNS, 313 INBOUND) TO CROSS TURNO NDB/INT AT OR ABOVE 2500 FT BEFORE PROCEEDING ON COURSE. WHEN EXECUTING VCOA, NOTIFY ATC PRIOR TO DEPARTURE.

RWY 31, 34: CLIMBING RIGHT TURN DIRECT TURNO NDB (ADF REQUIRED). WESTBOUND AIRCRAFT, PROCEED ON COURSE. EASTBOUND AIRCRAFT CONTINUE CLIMB IN HOLDING (HOLD SE, LEFT TURNS, 313 INBOUND) TO CROSS TURNO NDB/INT AT OR ABOVE 2500 FT BEFORE PROCEEDING ON COURSE.

VISUAL CLIMB OVER AIRPORT:

RWY 13, 16: OBTAIN ATC APPROVAL FOR VCOA WHEN REQUESTING IFR CLEARANCE. CLIMB IN VISUAL CONDITIONS, CROSS MCNARY FIELD AIRPORT AT OR ABOVE 1600 BEFORE PROCEEDING ON COURSE.

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 13, TREE 1515 FT FROM DER, 737 FT LEFT OF CENTERLINE, 262 FT MSL. TREE 3712 FT FROM DER, 952 FT RIGHT OF CENTERLINE, 315 FT MSL. TREES BEGINNING 3831 FT FROM DER, 1104 FT RIGHT OF CENTERLINE, UP TO 339 FT MSL. TREE 4163 FT FROM DER, 590 FT LEFT OF CENTERLINE, 320 FT MSL. TREE 5077 FT FROM DER, 1442 FT RIGHT OF CENTERLINE, 372 FT MSL. TREE 1.9 NM FROM DER, 3300 FT RIGHT OF CENTERLINE, 514 FT MSL.

NOTE: RWY 16, TREE, POLES AND TOWER BEGINNING 554 FT FROM DER, 66 FT RIGHT OF CENTERLINE, UP TO 279 FT MSL. TREE 1202 FT FROM DER, 302 FT LEFT OF CENTERLINE, 252 FT MSL. BLDG 1202 FT FROM DER, 66 FT LEFT OF CENTERLINE, 39 FT AGL/255 FT MSL. TREE 1819 FT FROM DER, 780 FT LEFT OF CENTERLINE, 305 FT MSL. TREE 1950 FT FROM DER, 358 FT RIGHT OF CENTERLINE, 285 FT MSL. TREES BEGINNING 3042 FT FROM DER, 216 FT RIGHT OF CENTERLINE, UP TO 426 FT MSL. TREES BEGINNING 4527 FT FROM DER, 273 FT LEFT OF CENTERLINE, UP TO 424 FT MSL. TREES BEGINNING 5227 FT FROM DER, 369 FT RIGHT OF CENTERLINE, UP TO 480 FT MSL. TREE, T-L TWR, AND POLE BEGINNING 1.0 NM FROM DER, 219 FT LEFT OF CENTERLINE, UP TO 495 FT MSL. TREES BEGINNING 1.2 NM FROM DER, 541 FT LEFT OF CENTERLINE, UP TO 534 FT MSL. TREE 1.3 NM FROM DER, 200 FT RIGHT OF CENTERLINE, 569 FT MSL. TREE 1.9 NM FROM DER, 2677 FT RIGHT OF CENTERLINE, 562 FT MSL.

NOTE: RWY 31, TREES BEGINNING 1220 FT FROM DER, 480 FT LEFT OF CENTERLINE, UP TO 247 FT MSL. TREE 1709 FT FROM DER, 749 FT LEFT OF CENTERLINE, 251 FT MSL. TREE 2045 FT FROM DER, 802 FT LEFT OF CENTERLINE, 268 FT MSL. TREE 2988 FT FROM DER, 277 FT RIGHT OF CENTERLINE, 270 FT MSL.

NOTE: RWY 34, VEHICLE ON ROAD 469 FT FROM DER, 252 FT RIGHT OF CENTERLINE, 208 FT MSL. TREES BEGINNING 1691 FT FROM DER, 229 FT RIGHT OF CENTERLINE, UP TO 265 FT MSL. TREES BEGINNING 3112 FT FROM DER, 340 FT RIGHT OF CENTERLINE, UP TO 282 FT MSL. TREE 3238 FT FROM DER, 330 FT LEFT OF CENTERLINE, 288 FT MSL.

CONTROLLING OBSTACLES:

RWY 13: 4530 FT MSL AAO 443809.00N/1223422.28W (CTA), 793 FT MSL TREE 445119.28N/1225836.10W (CG), 839 FT MSL TREE 445059.45N/1225834.82W (CG/CTA).

RWY 16: 4530 FT MSL AAO 443809.00N/1223422.28W (CTA), 426 FT MSL TREE 445337.28N/1230025.84W (CG), 569 FT MSL TREE 445243.73N/1230017.24W (CIG), 562 FT MSL TREE 445207.84N/1230052.33W (VIS), 793 FT MSL TREE 445119.28N/1225836.10W (CG), 839 FT MSL TREE 445059.45N/1225834.82W (CG/CTA).

RWY 31, 34: 4530 FT MSL AAO 443809.00N/1223422.28W (CTA).

VCOA: 700 FT MSL TOWER 445435.25N/1230329.81W (VCA), 4530 FT MSL AAO 443809.00N/1223422.28W (CTA).

OBSTACLE MANDATING ROUTE DEVELOPMENT: RWY 13, 16, 31, 34 - 5081 FT MSL AAO 445813.17N/1221838.65W.

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)
TITLE 14 CFR PART 97.37**

Bearings, headings, courses, tracks and radials are magnetic. Elevations 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.

<u>CITY, STATE</u>	<u>AIRPORT</u>	<u>EFFECTIVE DATE</u>	<u>AMDT NO</u>
SALEM, OR	MCNARY FLD	27 APRIL 2017	9

REMARKS:

FLIGHT INSPECTED BY: *Digitally signed by*
CHARLES D CUNNINGHAM **BEV L BORDY**
Feb 07, 2017

OFFICE SYMBOL: **DATE:**
FICO 02/02/2017

DEVELOPED BY: *Digitally signed by*
SYLVAN DRAKES **SYLVAN DRAKES**
Aug 31, 2016

OFFICE SYMBOL: **DATE:**
AJV-5433 07/27/2016

APPROVED BY: *Digitally signed by*
LONNIE EVERHART **BEV L BORDY**
Feb 07, 2017

OFFICE SYMBOL: **DATE:**
AJV-5430

REQUIRED EFFECTIVE DATE:

ROUTINE

COORDINATED WITH:

<u>A4A</u>	<u>ALPA</u>	<u>AOPA</u>	<u>APA</u>	<u>HAI</u>	<u>NBAA</u>
☐	☒	☒	☐	☐	☒

OTHER:

ZSE, SLE ATCT, AMGR

CHANGES - REASONS:

1. RE-CHARACTERIZED TURNO FROM TURNO LOM TO TURNO NDB (SL) - TURNO OM BEING REMOVED TO LEAVE A STAND ALONE NDB.
2. PERMANENT NOTAMS FDC 2/0203 (TAKEOFF OBSTACLE NOTES) CANCELLED DUE TO THIS AMENDMENT.
3. RAISED VCOA CLIMB-TO ALTITUDE FROM 1500 TO 1600, AND CEILING FROM 1400 TO 1500.
4. UPDATED/ADDED TAKEOFF OBSTACLE NOTES.

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 =====>																			
		MDA	VIS			MDA	VIS			MDA	VIS			MDA	VIS				
NOTES:																			
PROCEDURE CANCELED EFFECTIVE 27 APRIL 2017																			
CITY AND STATE CAMDEN, TN				ELEVATION: 468 TDZE: 468 AIRPORT NAME: BENTON COUNTY				FACILITY IDENTIFIER: JKS		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: VOR/DME RWY 4, AMDT 4A, 02/06/2014						SUP AMDT DATE		12 4 08/27/2009	

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)										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 =====>																				
		MDA	VIS			MDA	VIS			MDA	VIS			MDA	VIS					
NOTES:																				
PROCEDURE CANCELED EFFECTIVE 27 APRIL 2017																				
CITY AND STATE SAVANNAH, TN			ELEVATION: 473 AIRPORT NAME: SAVANNAH-HARDIN COUNTY			TDZE: 467			FACILITY IDENTIFIER: JKS			PROCEDURE NO./AMDT NO./EFFECTIVE DATE: VOR/DME RWY 19, AMDT 5C, 11/06/1997					SUP AMDT DATE		QUALITY 4 5B CHECKED 2/24/1993	

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 =====>																			
		MDA	VIS			MDA	VIS			MDA	VIS			MDA	VIS				
NOTES:																			
PROCEDURE CANCELED EFFECTIVE 27 APRIL 2017																			
CITY AND STATE SELMER, TN				ELEVATION: 610 TDZE: AIRPORT NAME: ROBERT SIBLEY				FACILITY IDENTIFIER: JKS				PROCEDURE NO./AMD'T NO./EFFECTIVE DATE: VOR/DME-A, ORIG, 10/12/1995				SUP AMD'T DATE			
																QUALITY 12 CHECKED			
																NONE			

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 =====>																			
		MDA	VIS			MDA	VIS			MDA	VIS			MDA	VIS				
NOTES:																			
PROCEDURE CANCELED EFFECTIVE 27 APRIL 2017																			
CITY AND STATE PAMPA, TX		ELEVATION: 3245 AIRPORT NAME: PERRY LEFORS FIELD		TDZE: 3244		FACILITY IDENTIFIER: PPA		PROCEDURE NO./AMD'T NO./EFFECTIVE DATE: NDB RWY 17, AMDT 5A, 04/02/2015				SUP AMD'T 5 DATE 01/10/2013							

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION LOC STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.25							Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.								
TERMINAL ROUTES										MISSED APPROACH					
FROM		TO			COURSE AND DISTANCE			ALTITUDE		MAP: I-AVC 0.88 DME					
RDU VORTAC		WUKMU/I-AVC 11.82 DME (NOPT)			047.49 / 51.93			3000		CLIMB TO 900 THEN CLIMBING LEFT TURN TO 3000 ON HEADING 310 AND SBV VORTAC R-086 TO HARVY INT/SBV 26.52 DME AND HOLD. ALTERNATE MA (DO NOT CHART): CLIMB TO 1100 THEN CLIMBING RIGHT TURN TO 5000 ON HEADING 127 AND TYI (SEE FORM 8260-10) ADDITIONAL FLIGHT DATA: HOLD E, LT, 265.59 INBOUND. CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD S DUFFI/TYI VORTAC 22.73 DME, RT, 354.22 INBOUND. CHART FAS OBST: 491 TREE 364006N/0780301W CHART VDP AT 1.95 DME DISTANCE VDP TO THLD 1.07 NM. CHART IN PLANVIEW: DUFFI/TYI VORTAC 22.73 DME. CHART CIRCLING ICON. BRERR TO RW01: 3.02/40. CHART PLANVIEW NOTE: DME REQUIRED.					
TYI VORTAC		WUKMU/I-AVC 11.82 DME (NOPT)			337.24 / 35.40			3000							
WUKMU/I-AVC 11.82 DME (IF/IAF)		BRERR/I-AVC 5.82 DME			006.60 / 6.00 (I-AVC)			2000							
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)										MAG VAR: 9W EPOCH YEAR: 2000					
2. HOLD S WUKMU, RT, 006.60 INBOUND, 3000 FT. IN LIEU OF PT (IAF) _____															
3. FAC 006.60 FAF BRERR/I-AVC 5.82 DME _____ DIST FAF TO MAP _____ THLD 4.93															
4. MIN. ALT WUKMU 3000, BRERR 2000, MACBE/I-AVC 3.18 DME 1140															
8. MSA FROM: KAVC 2500															
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-01	760	1	343	760	1	343	760	1	343	760	1	343			
CIRCLING	860	1	419	900	1	459	1060	1 3/4	619	1060	2	619			
NOTES:															
CHART NOTE: DME REQUIRED. @ NA WHEN AVC FBO CLOSED.															
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON RDU VORTAC AIRWAY RADIALS 351 CW 063.															
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON TYI VORTAC AIRWAY RADIALS 354 CW 024.															
CHART NOTE: RWY 1 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.															
CITY AND STATE		ELEVATION: 441 TDZE: 417		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP					
SOUTH HILL, VA		AIRPORT NAME:		I-AVC		LOC RWY 1, AMDT 1				AMDT ORIG-D					
		MECKLENBURG-BRUNSWICK RGNL				27 APRIL 2017				DATE 04/28/2016					

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

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

MISSED APPROACH INSTRUCTIONS, (CONT.):

VORTAC R-354 TO DUFFI/TYI VORTAC 22.73 DME AND HOLD. (DME REQUIRED.).



CITY AND STATE

SOUTH HILL, VA

ELEVATION: 441

TDZE: 417

AIRPORT NAME:

MECKLENBURG-BRUNSWICK RGNL

FACILITY
IDENTIFIER:

I-AVC

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

LOC RWY 1, AMDT 1

27 APRIL 2017

SUP:

AMDT: ORIG-D

DATED: 04/28/2016

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

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

CITY AND STATE

SOUTH HILL, VA

ELEVATION: 441

TDZE: 417

AIRPORT NAME:

MECKLENBURG-BRUNSWICK RGNL

FACILITY
IDENTIFIER:

I-AVC

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

LOC RWY 1, AMDT 1

27 APRIL 2017

SUP:

AMDT: ORIG-D

DATED: 04/28/2016

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33						Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.										
TERMINAL ROUTES											MISSED APPROACH					
FROM		TO			COURSE AND DISTANCE			ALTITUDE		LPV: DA LNAV/VNAV: DA LNAV: RW01 CLIMB TO 900 THEN CLIMBING RIGHT TURN TO 3000 DIRECT BIDKY AND HOLD. ADDITIONAL FLIGHT DATA: HOLD E, RT, 276.68 INBOUND. CHART FAS OBST: 492 TREE 364110N/0780257W DISTANCE TO THLD FROM 275 HAT: 0.83 NM. CHART VDP AT 1.07 NM TO RW01* *LNAV ONLY. WAAS CHANNEL # 63118 REFERENCE PATH ID: W01A CHART CIRCLING ICON. CHART R-6602 A/B/C LTP HAE: 82.1 M						
BIDKY (IAF)		WUKMU (NOPT) (TF) (FB) (RNP 1.00)			276.68 / 6.30			3000								
YEKUC (IAF)		WUKMU (NOPT) (TF) (FB) (RNP 1.00)			096.53 / 6.30			3000								
WUKMU (IF/IAF)		BRERR (TF) (FB) (RNP 1.00)			006.61 / 6.00			2000								
BRERR (FAF)		MACBE/2.30 NM TO RW01 (TF) (FB) (RNP 0.30)			006.60 / 2.63											
MACBE/2.30 NM TO RW01 (SEE FORM 8260-10)		RW01 (MAP) (TF) (FO) (RNP 0.30)			006.60 / 2.30											
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD S WUKMU, RT, 006.61 INBOUND, 3000 FT. IN LIEU OF PT (IAF) 3. FAC: 006.60 FAF: BRERR DIST FAF TO MAP: 4.93 THLD: 4.93 4. MIN. ALT: WUKMU 3000, BRERR 2000, MACBE/2.30 NM TO RW01 1160* 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 2000 GS ALT AT: BRERR 2000 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 51.0 34:1 IS NOT CLEAR 8. MSA FROM: _____											MAG VAR: 9W		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	714	1	297	714	1	297	714	1	297	714	1	297				
LNAV/VNAV DA	692	1	275	692	1	275	692	1	275	692	1	275				
LNAV MDA	760	1	343	760	1	343	760	1	343	760	1	343				
CIRCLING	860	1	419	900	1	459	1060	1 3/4	619	1060	2	619				
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 PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}). CHART NOTE: RWY 1 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. CHART NOTE: FOR INOPERATIVE ALS, INCREASE LPV ALL VISIBILITY TO 1 1/8 SM.																
CITY AND STATE			ELEVATION: 441 TDZE: 417			FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:					SUP:			
SOUTH HILL, VA			AIRPORT NAME:					RNAV (GPS) RWY 1, AMDT 1					AMDT: ORIG-C			
			MECKLENBURG-BRUNSWICK RGNL					27 APRIL 2017					DATED 04/28/2016			



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
RW01 (MAP)	900 MSL	006.60	

900 MSL	BIDKY (DF) (FO) (RNP 1.00)		3000
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TAA

	FROM	TO	ALT
1.	277/30 CW 097/30 (NOPT)	WUKMU (IF/IAF) (FB)	3000
2.	097/30 CW 187/30	YEKUC (IAF) (FB)	3000
3.	187/30 CW 277/30	BIDKY (IAF) (FB)	3000

QUALITY
9
CHECKED

CITY AND STATE
SOUTH HILL, VA

ELEVATION: 441 TDZE: 417
AIRPORT NAME:
MECKLENBURG-BRUNSWICK RGNL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 1, AMDT 1
27 APRIL 2017

SUP:
AMDT: ORIG-C
DATED: 04/28/2016

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.

QUALITY
9
CHECKED

CITY AND STATE
SOUTH HILL, VA

ELEVATION: 441 TDZE: 417
AIRPORT NAME:
MECKLENBURG-BRUNSWICK RGNL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 1, AMDT 1
27 APRIL 2017

SUP:
AMDT: ORIG-C
DATED: 04/28/2016

**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	KAVC
RUNWAY	RW01
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W01A
LTP/FTP LATITUDE	364053.1290N
LTP/FTP LONGITUDE	0780314.7965W
LTP/FTP ELLIPSOIDAL HEIGHT	+00821
FPAP LATITUDE	364222.2695N
FPAP LONGITUDE	0780319.4370W
THRESHOLD CROSSING HEIGHT (TCH)	00051.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1224
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
 <u>CRC REMAINDER</u>	 1A4B805A

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+01151
FPAP ORTHOMETRIC HEIGHT	+01151

QUALITY
9
CHECKED

CITY AND STATE SOUTH HILL, VA	ELEVATION: 441 AIRPORT NAME: MECKLENBURG-BRUNSWICK RGNL	TDZE: 417 RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 1, AMDT 1 27 APRIL 2017	SUP:
				AMDT: ORIG-C
				DATED: 04/28/2016

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: RW19									
USHEE (IAF)		YACNE (NOPT) (TF) (FB) (RNP 1.00)		276.67 / 6.30		3000		CLIMB TO 900 THEN CLIMBING LEFT TURN TO 3000 DIRECT USHEE AND HOLD.									
PAYEN (IAF)		YACNE (NOPT) (TF) (FB) (RNP 1.00)		096.52 / 6.30		3000											
YACNE (IF/IAF)		WUSKE (TF) (FB) (RNP 1.00)		186.59 / 6.00		2000		ADDITIONAL FLIGHT DATA: HOLD E, LT, 276.67 INBOUND. CHART FAS OBST: 510 TREE 364225N/0780306W CHART R-6602 A/B/C. DISTANCE TO THLD FROM 250 HAT: 0.66 NM. CHART VDP AT 0.87 NM TO RW19* *LNAV ONLY. WAAS CHANNEL # 93718 REFERENCE PATH ID: W19A CHART CIRCLING ICON. LTP HAE: 101.7 M									
WUSKE (FAF)		OVOBE/2.20 NM TO RW19 (TF) (FB) (RNP 0.30)		186.60 / 2.57													
OVOBE/2.20 NM TO RW19 (SEE FORM 8260-10)		RW19 (MAP) (TF) (FO) (RNP 0.30)		186.60 / 2.20													
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)										MAG VAR: 9W EPOCH YEAR: 2000							
2. HOLD N YACNE, RT, 186.59 INBOUND, 3000 FT. IN LIEU OF PT (IAF)																	
3. FAC: 186.60 FAF: WUSKE DIST FAF TO MAP: 4.77 THLD: 4.77																	
4. MIN. ALT: YACNE 3000, WUSKE 2000, OVOBE/2.20 NM TO RW19 1180*																	
5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____																	
6. MIN GS INCPT: 2000 GS ALT AT: WUSKE 2000 OM: _____ MM: _____ IM: _____																	
7. GS ANGLE: 3.00 TCH: 40.0 34:1 IS NOT CLEAR																	
8. MSA FROM: _____																	
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	691	1	250	691	1	250	691	1	250	691	1	250					
LNAV/VNAV DA	710	1	269	710	1	269	710	1	269	710	1	269					
LNAV MDA	760	1	319	760	1	319	760	1	319	760	1	319					
CIRCLING																	
	860	1	419	900	1	459	1060	1 3/4	619	1060	2	619					
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (54F) OR ABOVE 5C (130F). CHART NOTE: DME/DME RNP-0.3 NA. *LNAV ONLY CHART NOTE: RWY 19 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.																	
CITY AND STATE SOUTH HILL, VA		ELEVATION: 441 TDZE: 441 AIRPORT NAME: MECKLENBURG-BRUNSWICK RGNL		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 19, AMDT 1 27 APRIL 2017						SUP: AMDT: ORIG-C DATED 04/28/2016					



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
RW19 (MAP)	900 MSL	186.60	

900 MSL	USHEE (DF) (FO) (RNP 1.00)		3000
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TAA

	FROM	TO	ALT
1.	097/30 CW 277/30 (NOPT)	YACNE (IF/IAF) (FB)	3000
2.	277/30 CW 007/30	USHEE (IAF) (FB)	3000
3.	007/30 CW 097/30	PAYEN (IAF) (FB)	3000

QUALITY
9
CHECKED

CITY AND STATE
SOUTH HILL, VA

ELEVATION: 441 TDZE: 441
AIRPORT NAME:
MECKLENBURG-BRUNSWICK RGNL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 19, AMDT 1
27 APRIL 2017

SUP:
AMDT: ORIG-C
DATED: 04/28/2016

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 SOUTH HILL, VA	ELEVATION: 441	TDZE: 441	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 19, AMDT 1 27 APRIL 2017	SUP:
	AIRPORT NAME: MECKLENBURG-BRUNSWICK RGNL				AMDT: ORIG-C
					DATED: 04/28/2016

**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	KAVC
RUNWAY	RW19
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W19A
LTP/FTP LATITUDE	364142.5385N
LTP/FTP LONGITUDE	0780317.3680W
LTP/FTP ELLIPSOIDAL HEIGHT	+01017
FPAP LATITUDE	364013.3985N
FPAP LONGITUDE	0780312.7295W
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
 <u>CRC REMAINDER</u>	 1055C2D1

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+01345
FPAP ORTHOMETRIC HEIGHT	+01345

QUALITY
9
CHECKED

CITY AND STATE SOUTH HILL, VA	ELEVATION: 441 AIRPORT NAME: MECKLENBURG-BRUNSWICK RGNL	TDZE: 441 RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 19, AMDT 1 27 APRIL 2017	SUP:
				AMDT: ORIG-C
				DATED: 04/28/2016

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION VOR STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.23										Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT , HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.									
TERMINAL ROUTES										MISSED APPROACH									
FROM		TO		COURSE AND DISTANCE				ALTITUDE											
										ADDITIONAL FLIGHT DATA:									
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)																			
2. _____																			
3. FAC _____ FAF _____ DIST FAF TO MAP _____ THLD _____																			
4. MIN. ALT _____																			
8. MSA FROM: _____										MAG VAR: _____ EPOCH YEAR: _____									
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT										ALTERNATE: N A									
CATEGORY =====>																			
		MDA	VIS			MDA	VIS			MDA	VIS			MDA	VIS				
NOTES:																			
PROCEDURE CANCELED EFFECTIVE 27 APRIL 2017																			
CITY AND STATE KENOSHA, WI				ELEVATION: 743 TDZE: 732 AIRPORT NAME: KENOSHA RGNL				FACILITY IDENTIFIER: ENW				PROCEDURE NO./AMD'T NO./EFFECTIVE DATE: VOR RWY 25R, AMDT 1, 08/27/2009				SUP VOR OR GPS RWY 24R AMD'T ORIG-B DATE 12/03/1998			

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

10

QUANTITY

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 2800 DIRECT WVEGA AND HOLD. ADDITIONAL FLIGHT DATA: HOLD E, RT, 274.66 INBOUND. CHART FAS OBST: 1069 TREE 441947N/0890340W DISTANCE TO THLD FROM 250 HAT: 0.66 NM. CHART VDP AT 1.57 NM TO RW10* *LNAV ONLY. WAAS CHANNEL # 63120 REFERENCE PATH ID: W10A CHART CIRCLING ICON. LTP HAE: 219.7 M									
COMTS		BRUNR (TF) (FO) (RNP 2.00)		246.44 / 29.49				2800											
LIMME		BRUNR (TF) (FO) (RNP 2.00)		300.92 / 29.25				2800											
HAMTN		JOMOR (TF) (FB) (RNP 2.00)		005.65 / 28.06				2800											
JOMOR (IAF)		BRUNR (NOPT) (TF) (FB) (RNP 1.00)		004.21 / 12.00				2800											
RROBB (IAF)		BRUNR (NOPT) (TF) (FB) (RNP 1.00)		146.67 / 14.29				2800											
(SEE FORM 8260-10)																			
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD W BRUNR, RT, 094.22 INBOUND, 2800 FT. IN LIEU OF PT (IAF) 3. FAC: 094.35 FAF: WPACA DIST FAF TO MAP: 5.71 THLD: 5.71 4. MIN. ALT: BRUNR 2800, WPACA 2700, GWIZZ/2.10 NM TO RW10 1540* 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 2700 GS ALT AT: WPACA 2700 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 40.0 34:1 IS CLEAR 8. MSA FROM: RW10 2800																MAG VAR: 1W		EPOCH YEAR: 1995	
MINIMUMS																			
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT								ALTERNATE: N A		STANDARD									
CATEGORY =====>		A		B		C		D		E									
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA				
LPV DA	1090	7/8	250	1090	7/8	250	1090	7/8	250	1090	7/8	250							
LNAV/VNAV DA	1384	1 7/8	544	1384	1 7/8	544	1384	1 7/8	544	1384	1 7/8	544							
LNAV MDA	1380	1	540	1380	1	540	1380	1 7/8	540	1380	1 7/8	540							
CIRCLING	1380	1	540	1420	1	580	1420	1 1/2	580	1500	2	660							
NOTES: CHART NOTE: CIRCLING TO RWY 28 NA AT NIGHT. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C (4F) OR ABOVE 54C (130F). CHART NOTE: DME/DME RNP-0.3 NA. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT COMTS ON V55 EASTBOUND. (CONTINUED ON PAGE 2)																			
CITY AND STATE		ELEVATION: 840 TDZE: 840		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:									
WAUPACA, WI		AIRPORT NAME: WAUPACA MUNI				RNAV (GPS) RWY 10, AMDT 2				AMDT: 1A									
						27 APRIL 2017				DATED 04/02/2015									

QUALITY
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US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

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

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

TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
BRUNR (IF/IAF)	WPACA (TF) (FB) (RNP 1.00)	094.22 / 7.69	2700
WPACA (FAF)	GWIZZ/2.10 NM TO RW10 (TF) (FB) (RNP 0.30)	094.35 / 3.61	
GWIZZ/2.10 NM TO RW10	RW10 (MAP) (TF) (FO) (RNP 0.30)	094.35 / 2.10	
RW10 (MAP)	1090 MSL	094.35	
1090 MSL	WWEGA (DF) (FO) (RNP 1.00)		2800

NOTES, (CONT.):

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT LIMME ON V63 SOUTHEAST BOUND.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT HAMTN ON V177 SOUTHBOUND.

CITY AND STATE

WAUPACA, WI

ELEVATION: 840

TDZE: 840

AIRPORT NAME:

WAUPACA MUNI

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 10, AMDT 2

27 APRIL 2017

SUP:

AMDT: 1A

DATED: 04/02/2015

QUALITY
10
CHECKED

**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	KPCZ
RUNWAY	RW10
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W10A
LTP/FTP LATITUDE	442000.1155N
LTP/FTP LONGITUDE	0890158.4150W
LTP/FTP ELLIPSOIDAL HEIGHT	+02197
FPAP LATITUDE	441954.7535N
FPAP LONGITUDE	0885954.5030W
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	1168
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER

C112A7EA

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+02560
FPAP ORTHOMETRIC HEIGHT	+02560

CITY AND STATE

WAUPACA, WI

ELEVATION: 840

TDZE: 840

AIRPORT NAME:

WAUPACA MUNI

 FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 10, AMDT 2

27 APRIL 2017

SUP:

AMDT:

DATED:

 QUALITY
10
CHECKED

1A

04/02/2015

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: RW28 LNAV: RW28 CLIMB TO 2800 DIRECT BRUNR AND HOLD. ADDITIONAL FLIGHT DATA: HOLD W, RT, 094.22 INBOUND. CHART FAS OBST: 1040 TOWER 441906N/0885502W FAS OBST: 1009 AAO 441915N/0885518W CHART VDP AT 1.36 NM TO RW28. WAAS CHANNEL # 42621 REFERENCE PATH ID: W28A CHART CIRCLING ICON. FNDRY TO RW28: 3.00/40. LTP HAE: 209 M										
BIPID	WWEGA (TF) (FO) (RNP 2.00)			159.77 / 14.88			2800												
BECKY (IAF)	WWEGA (NOPT) (TF) (FB) (RNP 1.00)			203.61 / 15.15			2800												
OSH VORTAC (IAF)	WWEGA (NOPT) (TF) (FB) (RNP 1.00)			339.98 / 21.19			2800												
WWEGA (IF/IAF)	FNDRY (TF) (FB) (RNP 1.00)			274.66 / 6.29			2700												
FNDRY (FAF)	RW28 (MAP) (TF) (FO) (RNP 0.30)			274.55 / 5.82															
(SEE FORM 8260-10)																			
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD E WWEGA, RT, 274.66 INBOUND, 2800 FT. IN LIEU OF PT (IAF) 3. FAC: 274.55 FAF: FNDRY DIST FAF TO MAP: 5.82 THLD: 5.82 4. MIN. ALT: WWEGA 2800, FNDRY 2700 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: RW28 2800																MAG VAR: 1W		EPOCH YEAR: 1995	
MINIMUMS																			
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT							ALTERNATE: N A		STANDARD										
CATEGORY ==>	A			B			C			D			E						
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA				
LP MDA	1260	1	433	1260	1	433	1260	1 3/8	433	1260	1 3/8	433							
LNAV MDA	1340	1	513	1340	1	513	1340	1 3/8	513	1340	1 3/8	513							
CIRCLING	1380	1	540	1420	1	580	1420	1 1/2	580	1500	2	660							
NOTES: CHART NOTE: RWY 28 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. CHART NOTE: DME/DME RNP-0.3 NA. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON OSH VORTAC AIRWAY RADIALS 307 CW 023.																			
CITY AND STATE		ELEVATION: 840 TDZE: 827		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:									
WAUPACA, WI		AIRPORT NAME:		WAUPACA MUNI		RNAV (GPS) RWY 28, AMDT 2				AMDT: 1A									
						27 APRIL 2017				DATED 04/02/2015									

 QUALITY
10
CHECKED

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

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

TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
RW28 (MAP)	1240 MSL	274.55	
1240 MSL	BRUNR (DF) (FO) (RNP 1.00)		2800

CITY AND STATE
WAUPACA, WI

ELEVATION: 840 TDZE: 827
AIRPORT NAME:
WAUPACA MUNI

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 28, AMDT 2
27 APRIL 2017

SUP: 10
AMDT: 1A
DATED: 04/02/2015

QUALITY
10
CHECKED

**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	KPCZ
RUNWAY	RW28
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W28A
LTP/FTP LATITUDE	441957.0300N
LTP/FTP LONGITUDE	0890047.0055W
LTP/FTP ELLIPSOIDAL HEIGHT	+02090
FPAP LATITUDE	442002.3765N
FPAP LONGITUDE	0890250.9200W
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	1168
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	0.0

<u>CRC REMAINDER</u>	9DAAB12F
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ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+02454
FPAP ORTHOMETRIC HEIGHT	+02454

CITY AND STATE

WAUPACA, WI

ELEVATION: 840

TDZE: 827

AIRPORT NAME:

WAUPACA MUNI

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 28, AMDT 2

27 APRIL 2017

SUP:

AMDT:

DATED:

 QUALITY
10
CHECKED

1A

04/02/2015