

U.S. Department
of Transportation

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

**Federal Aviation
Administration**

Transmittal Letter 16-10

March 25, 2016

**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.**

[4910-13]

DEPARTMENT OF TRANSPORTATION

Federal Aviation Administration

14 CFR Part 97

[Docket No. [31069](#); Amdt. No. [3689](#)]

**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 MARCH 25, 2016

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 28 APRIL 2016

Birmingham, AL, Birmingham-Shuttlesworth Intl, ILS OR LOC/DME RWY 24, Amdt 3
 Birmingham, AL, Birmingham-Shuttlesworth Intl, RNAV (GPS) Y RWY 24, Amdt 3
 Birmingham, AL, Birmingham-Shuttlesworth Intl, RNAV (RNP) Z RWY 24, Amdt 1
 Patterson, LA, Harry P Williams Memorial, NDB RWY 6, Amdt 11B, CANCELED
 Glens Falls, NY, Floyd Bennett Memorial, ILS OR LOC RWY 1, Amdt 5
 Coshocton, OH, Richard Downing, GPS RWY 22, Orig-A, CANCELED
 Coshocton, OH, Richard Downing, RNAV (GPS) RWY 22, Orig
 Coshocton, OH, Richard Downing, VOR-A, Amdt 10

Effective 26 MAY 2016

South Naknek, AK, South Naknek NR 2, RNAV (GPS) RWY 13, Orig
 South Naknek, AK, South Naknek NR 2, RNAV (GPS) RWY 31, Orig
 South Naknek, AK, South Naknek NR 2, Takeoff Minimums and Obstacle DP, Orig
 Selma, AL, Craig field, NDB RWY 33, Amdt 5, CANCELED
 Cottonwood, AZ, Cottonwood, RNAV (GPS) RWY 32, Orig
 Cottonwood, AZ, Cottonwood, Takeoff Minimums and Obstacle DP, Orig
 Burbank, CA, Bob Hope, GPS-A, Orig-B, CANCELED
 Burbank, CA, Bob Hope, ILS Y OR LOC Y RWY 8, Amdt 5
 Burbank, CA, Bob Hope, ILS Z OR LOC Z RWY 8, Amdt 38
 Burbank, CA, Bob Hope, RNAV (GPS)-A, Orig
 Burbank, CA, Bob Hope, RNAV (GPS) Z RWY 8, Amdt 1
 Burbank, CA, Bob Hope, RNAV (RNP) Y RWY 8, Amdt 1
 Burbank, CA, Bob Hope, RNAV (RNP) Z RWY 8, Amdt 1A, CANCELED
 Burbank, CA, Bob Hope, VOR RWY 8, Amdt 12
 Boise, ID, Boise Air Terminal/Gowen Fld, GOWEN TWO, Graphic DP
 Indian Head, MD, Maryland, RNAV (GPS) RWY 2, Amdt 1
 Bay St Louis, MS, Stennis Intl, ILS Y OR LOC Y RWY 18, Orig
 Bay St Louis, MS, Stennis Intl, ILS Z OR LOC Z RWY 18, Amdt 2
 Bay St Louis, MS, Stennis Intl, NDB RWY 18, Amdt 2
 Bay St Louis, MS, Stennis Intl, RNAV (GPS) RWY 18, Amdt 2
 Bay St Louis, MS, Stennis Intl, RNAV (GPS) RWY 36, Amdt 3
 Cambridge, NE, Cambridge Muni, NDB RWY 15, Amdt 4
 Cambridge, NE, Cambridge Muni, RNAV (GPS) RWY 15, Amdt 1
 Cambridge, NE, Cambridge Muni, RNAV (GPS) RWY 33, Amdt 1
 Cambridge, NE, Cambridge Muni, Takeoff Minimums and Obstacle DP, Orig
 Bennington, VT, William H Morse State, RNAV (GPS) RWY 13, Orig-D

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION							ILS - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.29									Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.					
TERMINAL ROUTES												MISSED APPROACH									
FROM			TO			COURSE AND DISTANCE			ALTITUDE			ILS: DA LOC: I-ROE 1.94 DME FIX									
TDG VOR/DME			SPATT INT/I-ROE 14.06 DME			282.99 / 25.93			3300			CLIMB TO 1300 THEN CLIMBING RIGHT TURN TO 3000 DIRECT VUZ VORTAC AND HOLD (TACAN AIRCRAFT CONTINUE VIA VUZ VORTAC R-333 TO SIPSY/VUZ 14.81 DME AND HOLD NW, RT, 152.79 INBOUND), OR AS DIRECTED BY ATC. ALTERNATE MA: CLIMB TO 1500 THEN CLIMBING RIGHT TURN TO (SEE FORM 8260-10) ADDITIONAL FLIGHT DATA: HOLD NE, RT, 226.00 INBOUND. CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD NE SPATT INT/I-ROE 14.06 DME, RT, 238.48 INBOUND. FAS OBST: 939 TREE 333544N/0864242W CHART VDP AT 3.48 DME* DISTANCE VDP TO THLD 1.54 MILES. *LOC ONLY. CHART IN PLANVIEW ONLY TDG 25.93 DME AT SPATT.									
VUZ VORTAC			SPATT INT/I-ROE 14.06 DME			084.83 / 17.89			3300												
SPATT INT/I-ROE 14.06 DME (IF/IAF)			HUKEV/I-ROE 9.80 DME			238.48 / 4.26 (I-ROE)			2700												
HUKEV/I-ROE 9.80 DME			LOWGA/I-ROE 6.67 DME			238.48 / 3.13 (I-ROE)			2200												
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)												MAG VAR: 3W EPOCH YEAR: 2010									
2. HOLD NE SPATT, RT, 238.48 INBOUND, 3300 FT. IN LIEU OF PT (IAF)																					
3. FAC: 238.48 FAF: LOWGA/I-ROE 6.67 DME DIST FAF TO MAP: _____ THLD: 4.73																					
4. MIN. ALT: HUKEV 2700, LOWGA 2200, CUXOB/I-ROE 5.24 DME 1740*																					
5. DIST TO THLD FROM OM: _____ - _____ MM: _____ - _____ IM: _____ 150 HAT: _____ - _____ 100 HAT: _____ - _____ GS ANT: 1234																					
6. MIN GS INCPT: 2200 GS ALT AT: LOWGA 2200 OM: _____ - _____ MM: _____ - _____ IM: _____																					
7. GS ANGLE: 3.00 TCH: 52.7																					
8. MSA FROM: VUZ VORTAC 3700																					
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 24	840	1800	200	840	1800	200	840	1800	200	840	1800	200	840	1800	200						
S-LOC 24	1200	2400	560	1200	2400	560	1200	6000	560	1200	6000	560	1200	6000	560						
NOTES: CHART PLANVIEW NOTE: NOPT FOR ARRIVAL AT SPATT INT ON V209 SOUTHWEST BOUND. CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}). CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON VUZ VORTAC AIRWAY RADIALS 046 CW 175. CHART NOTE: FOR INOPERATIVE MALSR, INCREASE CAT E VISIBILITY TO 1 5/8 MILE.																					
CITY AND STATE BIRMINGHAM, AL			ELEVATION: 650 TDZE: 640 AIRPORT NAME: BIRMINGHAM-SHUTTLESWORTH INTL				FACILITY IDENTIFIER: I-ROE		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC/DME RWY 24, AMDT 3 28 APRIL 2016					SUP: 4 AMDT: 2 DATED 10/22/2009							

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

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

MISSSED APPROACH INSTRUCTIONS, (CONT.):

3300 ON HEADING 058 AND ON TDG VOR/DME R-283 TO SPATT INT/I-ROE 14.06 DME AND HOLD.

CITY AND STATE

BIRMINGHAM, AL

ELEVATION: 650	TDZE: 640
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ELEVATION: 650 TDZE: 640

AIRPORT NAME:

BIRMINGHAM-SHUTTLESWORTH INTL

FACILITY IDENTIFIER:
I-ROE

I-ROE

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

ILS OR LOC/DME RWY 24, AMDT 3
28 APRIL 2016

20 APRIL 2010

SUP:	4
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AMDT: **CHECKED**

DATED: 10/22/2009

DATED: 10/22/2009

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION ILS STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.29												Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.		
ARINC SUMMARY - KBHM 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
TDG	010	TDG	IF	FB										V
TDG	020	SPATT	TF	FO								AA 03300		EY
TDG	030	SPATT	HF	FO		238.5			R			AA 03300		E A
TDG	040	HUKEV	CF	FB		238.5	IROE					AA 02700		EE
VUZ	010	VUZ	IF	FB										V
VUZ	020	SPATT	TF	FO								AA 03300		EY
VUZ	030	SPATT	HF	FO		238.5			R			AA 03300		E A
VUZ	040	HUKEV	CF	FB		238.5	IROE					AA 02700		EE
	010	HUKEV	IF	FB			IROE					AA 02700 GI 02200		E I
	020	LOWGA	CF	FB		238.0	IROE	3.00		VUZ		GI 02200 GS 02200		E F
	030	RW24	CF	FO		238.0	IROE	3.00				AT 00693		GY M
	040		CA	FB		238.5						AA 01300		M
	050	VUZ	DF	FO								AA 03000		VY
	060	VUZ	HM	FO		226.0			R			AA 03000		VE
POINTS														
POINT NAME			LATITUDE			LONGITUDE								
TDG			N333430.55			W0860233.67								
VUZ			N334012.48			W0865359.41								
IROE (DME)			N333313.97			W0864629.28								
HUKEV			N333845.38			W0863647.13								
LOWGA			N333658.88			W0863952.38								
SPATT			N334110.08			W0863234.77								
IROE (LOC)			N333311.16			W0864628.14								
RUNWAYS														
RUNWAY		THRESHOLD LATITUDE		THRESHOLD LONGITUDE		THRESHOLD ELEVATION		PROCEDURE TCH						
RW24		N333417.77		W0864432.49		00640		52.7						

QUALITY
12
CHECKED

CITY AND STATE BIRMINGHAM, AL	ELEVATION: 650 TDZE: 640 AIRPORT NAME: BIRMINGHAM-SHUTTLESWORTH INTL	FACILITY IDENTIFIER: I-ROE	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: ILS OR LOC/DME RWY 24, AMDT 3 28 APRIL 2016	SUP: AMDT: 2 DATED: 10/22/2009
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U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

LOC STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.25

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

ARINC SUMMARY - KBHM

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
TDG	010	TDG	IF	FB										V
TDG	020	SPATT	TF	FO								AA 03300		EY
TDG	030	SPATT	HF	FO		238.5			R			AA 03300		E A
TDG	040	HUKEV	CF	FB		238.5	IROE					AA 02700		EE
VUZ	010	VUZ	IF	FB										V
VUZ	020	SPATT	TF	FO								AA 03300		EY
VUZ	030	SPATT	HF	FO		238.5			R			AA 03300		E A
VUZ	040	HUKEV	CF	FB		238.5	IROE					AA 02700		EE
	010	HUKEV	IF	FB			IROE					AA 02700		E I
	020	LOWGA	CF	FB		238.0	IROE			VUZ		AA 02200		E F
	021	CUXOB	CF	FB		238.0	IROE	3.01				AA 01740		E S
	030	RW24	CF	FO		238.0	IROE	3.01				AT 00693		GY M
	040		CA	FB		238.5						AA 01300		M
	050	VUZ	DF	FO								AA 03000		VY
	060	VUZ	HM	FO		226.0			R			AA 03000		VE

POINTS

POINT NAME	LATITUDE	LONGITUDE
TDG	N333430.55	W0860233.67
VUZ	N334012.48	W0865359.41
IROE (DME)	N333313.97	W0864629.28
CUXOB	N333610.14	W0864117.17
HUKEV	N333845.38	W0863647.13
LOWGA	N333658.88	W0863952.38
SPATT	N334110.08	W0863234.77
IROE (LOC)	N333311.16	W0864628.14

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW24	N333417.77	W0864432.49	00640	52.7

QUALITY
12
CHECKED

CITY AND STATE
BIRMINGHAM, AL

ELEVATION: **650** TDZE: **640**
AIRPORT NAME:
BIRMINGHAM-SHUTTLESWORTH INTL

FACILITY
IDENTIFIER:
I-ROE

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
ILS OR LOC/DME RWY 24, AMDT 3
28 APRIL 2016

SUP:
AMDT: **2**
DATED: **10/22/2009**

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION							RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33									Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.					
TERMINAL ROUTES												MISSED APPROACH									
FROM			TO			COURSE AND DISTANCE			ALTITUDE			LPV: DA LNAV/VNAV: DA LNAV: RW24									
TDG VOR/DME			EZRUB (FB)			287.99 / 19.93			3300			CLIMB TO 1300 THEN CLIMBING RIGHT TURN TO 3000 DIRECT CAPUN AND HOLD.									
VUZ VORTAC			SPATT (FO)			089.83 / 17.89			3300												
EZRUB (IAF)			SPATT (NOPT) (FB)			287.77 / 6.00			3300												
SPATT (IF/IAF)			HUKEV (FB)			238.58 / 4.26			2700												
HUKEV			LOWGA (FB)			238.51 / 3.13			2200												
LOWGA (FAF)			CUXOB/3.30 NM TO RW24 (FB)			238.52 / 1.43						ADDITIONAL FLIGHT DATA: HOLD N, RT, 176.10 INBOUND. CHART FAS OBST: 1006 TREE 333527N/0864127W DISTANCE TO THLD FROM 200 HAT: 0.46 NM. CHART VDP AT 1.85 MILES TO RW24* *LNAV ONLY. WAAS CHANNEL # 53605 REFERENCE PATH ID: W24A LTP HAE: 166.1 M									
(SEE FORM 8260-10)																					
1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)																					
2. HOLD NE SPATT, RT, 238.58 INBOUND, 3300 FT. IN LIEU OF PT (IAF)																					
3. FAC: 238.52 FAF: LOWGA DIST FAF TO MAP: 4.73 THLD: 4.73																					
4. MIN. ALT: SPATT 3300, HUKEV 2700, LOWGA 2200, CUXOB/3.30 NM TO RW24 1740*																					
5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:																					
6. MIN GS INCPT: 2200 GS ALT AT: LOWGA 2200 OM: MM: IM:																					
7. GS ANGLE: 3.00 TCH: 52.7 34:1 IS CLEAR																					
8. MSA FROM: RW24 3100												MAG VAR: 3W			EPOCH YEAR: 2010						
MINIMUMS																					
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT							ALTERNATE: N A		STANDARD @												
CATEGORY ==>		A			B			C			D			E							
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA						
LPV DA	840	2400	200	840	2400	200	840	2400	200	840	2400	200	840	2400	200						
LNAV/VNAV DA	1194	1 3/8	554	1194	1 3/8	554	1194	1 3/8	554	1194	1 3/8	554	1194	1 3/8	554						
LNAV MDA	1300	2400	660	1300	2400	660	1300	1 3/8	660	1300	1 3/8	660	1300	1 3/8	660						
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -8C (18F) OR ABOVE 54C (130F). @ NA WHEN LOCAL WEATHER NOT AVAILABLE. CHART NOTE: DME/DME RNP-0.3 NA. *LNAV ONLY CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}). (CONTINUED ON PAGE 2)																					
CITY AND STATE BIRMINGHAM, AL			ELEVATION: 650 TDZE: 640 AIRPORT NAME: BIRMINGHAM-SHUTTLESWORTH INTL				FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) Y RWY 24, AMDT 3 28 APRIL 2016					SUP: AMDT: DATED 09/23/2010							

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

FROM	TO	COURSE AND DISTANCE	ALTITUDE
CUXOB/3.30 NM TO RW24	RW24 (MAP) (FO)	238.52 / 3.30	
RW24 (MAP)	1300 MSL	238.52	1300
1300 MSL	CAPUN (FO)		3000

CHART PLANVIEW NOTE: NOPT FOR ARRIVAL AT SPATT ON V209 SOUTHWEST BOUND.

SUP:	
AMDT:	2A
DATED:	09/23/2010

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

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FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KBHM
RUNWAY	RW24
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	Y
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W24A
LTP/FTP LATITUDE	333417.7745N
LTP/FTP LONGITUDE	0864432.4880W
LTP/FTP ELLIPSOIDAL HEIGHT	+01661
FPAP LATITUDE	333317.2055N
FPAP LONGITUDE	0864617.6470W
THRESHOLD CROSSING HEIGHT (TCH)	00052.7
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0000
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
 <u>CRC REMAINDER</u>	 8031C57D

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+01952
FPAP ORTHOMETRIC HEIGHT	+01952

CITY AND STATE

BIRMINGHAM, AL

ELEVATION: 650

TDZE: 640

AIRPORT NAME:

BIRMINGHAM-SHUTTLESWORTH INTL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) Y RWY 24, AMDT 3

28 APRIL 2016

SUP:

AMDT:

DATED:

 QUALITY
4
CHECKED

2A

09/23/2010

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 - KBHM																
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		
TDG	010	TDG	IF	FB										V		
TDG	020	EZRUB	TF	FB	2.0	288.0						AA 03300		E A		
TDG	030	SPATT	TF	FB	1.0	287.8						AA 03300		EE B		
VUZ	010	VUZ	IF	FB										V		
VUZ	020	SPATT	TF	FO	2.0	089.8						AA 03300		EY		
VUZ	030	SPATT	HF	FO		238.6			R			AA 03300		EE A		
	010	SPATT	IF	FB								AA 03300		E I		
	011	HUKEV	TF	FB	1.0	238.6						AA 02700		E		
	020	LOWGA	TF	FB	1.0	238.5				RW24		AA 02200		E F		
	021	CUXOB	TF	FB	0.3	238.5		3.00				AA 01740 GS 01744		E S		
	030	RW24	TF	FO	0.3	238.5		3.00				AT 00693		GY M		
	040		CA	FB		238.5						AA 01300		M		
	050	CAPUN	DF	FO					R			AA 03000		EY		
	060	CAPUN	HM	FO		176.1			R			AA 03000		EE		
POINTS																
POINT NAME					LATITUDE	LONGITUDE										
TDG					N333430.55	W0860233.67										
VUZ					N334012.48	W0865359.41										
CAPUN					N334708.38	W0865415.97										
CUXOB					N333610.14	W0864117.17										
EZRUB					N333938.30	W0862537.61										
HUKEV					N333845.38	W0863647.13										
LOWGA					N333658.88	W0863952.38										
SPATT					N334110.08	W0863234.77										
RUNWAYS																
RUNWAY					THRESHOLD LATITUDE					THRESHOLD LONGITUDE					THRESHOLD ELEVATION	PROCEDURE TCH
RW24					N333417.77					W0864432.49					00640	52.7

CITY AND STATE BIRMINGHAM, AL	ELEVATION: 650 TDZE: 640 AIRPORT NAME: BIRMINGHAM-SHUTTLESWORTH INTL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) Y RWY 24, AMDT 3 28 APRIL 2016	SUP: AMDT: 2A DATED: 09/23/2010
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US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION						RNAV (RNP) - STANDARD, INSTRUMENT APPROACH PROCEDURE, TITLE 14 CFR PART 97.33						Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.					
TERMINAL ROUTES												MISSED APPROACH					
FROM		TO		COURSE AND DISTANCE				ALTITUDE		RNP: DA							
LDK VORTAC		JAVJA (TF) (FB) (RNP 1.00)		060.84 / 7.00				9000		CLIMB TO 3000 ON TRACK 238.49 TO YACUR, RIGHT TURN TO WADEG THEN TRACK 066.79 TO VUZ VORTAC AND HOLD.							
JAVJA (IAF)		ISOJO (TF) (FB) (RNP 1.00)		061.37 / 12.20				6000									
ISOJO		HESGA (TF) (FB) (RNP 1.00)		060.73 / 19.14				4000									
HESGA		LISRE (TF) (FB) (RNP 0.50)		056.26 / 9.20				3000									
WENDO		MREKK (TF) (FB) (RNP 1.00)		235.89 / 10.10				6000									
(SEE FORM 8260-10)										ADDITIONAL FLIGHT DATA: HOLD NE, RT, 229.00 INBOUND. CHART FAS OBST: 897 TOWER 333508N/0864341W CHART FAS OBST: 915 TOWER 333513N/0864414W DISTANCE TO THLD FROM 497 HAT: 1.39 NM. ROUTE TYPE: A, H ROUTE TYPE QUALIFIER 1: F ROUTE TYPE QUALIFIER 2: S #TCH 693.1 MSL (DO NOT CHART)							
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)												MAG VAR: 3W EPOCH YEAR: 2010					
2. PROFILE STARTS AT LOWGA																	
3. FAC: 238.52 FAF: _____ DIST FAF TO MAP: _____ THLD: _____																	
4. MIN. ALT: LOWGA 2200																	
5. DIST TO THLD FROM OM: 4.73 MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____																	
6. MIN GS INCPT: 2200 GS ALT AT: LOWGA 2200 OM: _____ MM: _____ IM: _____																	
7. GS ANGLE: 3.00 TCH: 52.7																	
8. MSA FROM: RW24 3100																	
MINIMUMS																	
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT						ALTERNATE: N A		STANDARD @									
CATEGORY ==>		A		B		C		D		E							
DH/MDA		VIS		HAT/HAA		DH/MDA		VIS		HAT/HAA		DH/MDA		VIS		HAT/HAA	
AUTHORIZATION REQUIRED																	
RNP 0.15 DA		1137		1 1/4		497		1137		1 1/4		497					
RNP 0.30 DA		1243		1 5/8		603		1243		1 5/8		603					
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -8C (18F) OR ABOVE 54C (130F). @ NA WHEN LOCAL WEATHER NOT AVAILABLE. CHART NOTE: RF REQUIRED. CHART NOTE: GPS REQUIRED. CHART PLANVIEW NOTE AT ERIGE : MAX 180 KIAS. (CONTINUED ON PAGE 2)																	
CITY AND STATE BIRMINGHAM, AL		ELEVATION: 650 TDZE: 640 AIRPORT NAME: BIRMINGHAM-SHUTTLESWORTH INTL				FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (RNP) Z RWY 24, AMDT 1 28 APRIL 2016						SUP: AMDT: ORIG-A DATED 07/28/2011			

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	
MREKK (IAF)	SPATT (TF) (FB) (RNP 1.00)		235.80 / 6.71	4000	
KYLEE	WEDEB (TF) (FB) (RNP 1.00)		337.46 / 12.09	6000	
WEDEB (IAF)	MOKEE (TF) (FB) (RNP 1.00)		337.62 / 12.00	3600	
VUZ VORTAC (IAF)	LISRE (TF) (FB) (RNP 0.50)		084.51 / 7.99	3000	
LISRE (IF)	ERIGE (TF) (FB) (RNP 0.30)		084.65 / 2.06	2500	
ERIGE	LOWGA (RF) (FB) (RNP 0.30)		(2.59 NM RADIUS CW (CFNXP))/6.95	2200	
SPATT (IF)	HUKEV (TF) (FB) (RNP 0.30)		238.58 / 4.26	2700	
HUKEV	LOWGA (TF) (FB) (RNP 0.30)		238.52 / 3.13	2200	
MOKEE (IF)	NOCIM (TF) (FB) (RNP 0.30)		352.08 / 3.99	2400	
NOCIM	LOWGA (RF) (FB) (RNP 0.30)		(2.50 NM RADIUS CCW (CFPVF))/4.95	2200	
LOWGA (FAF)	RW24 (MAP) (TF) (FO)		238.52 / 4.73		
RW24 (MAP)	YACUR (TF) (FB) (RNP1.00)		238.49 / 8.20		
YACUR	WADEG (RF) (FB) (RNP1.00)		(5.00 NM RADIUS CW (CFLRS)) / 16.45		
WADEG	VUZ VORTAC (TF) (FO) (RNP1.00)		066.79 / 4.16	3000	
NOTES, (CONT.): CHART PLANVIEW NOTE AT NOCIM : MAX 180 KIAS. CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE} TCH {FEET}). CHART PLANVIEW NOTE AT VUZ VORTAC, LDK VORTAC, WENDO, KYLEE: (RNP 0.30). CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON VUZ VORTAC AIRWAY RADIALS 046 CW 137. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON LDK VORTAC AIRWAY RADIALS 049 CW 092. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT KYLEE ON V159-521 SOUTHEAST BOUND. CHART NOTE: FOR INOPERATIVE MALSR, INCREASE RNP 0.15 ALL CATS VISIBILITY TO 1 5/8 MILE.					
CITY AND STATE BIRMINGHAM, AL	ELEVATION: 650 AIRPORT NAME: BIRMINGHAM-SHUTTLESWORTH INTL	TDZE: 640	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (RNP) Z RWY 24, AMDT 1 28 APRIL 2016	SUP: 4 AMDT: ~~ORIGINAL~~ DATED: 07/28/2011

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

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CHART NOTE: FOR INOPERATIVE MALSR, INCREASE RNP 0.30 ALL CATS VISIBILITY TO 2 MILE.
CHART PROFILE NOTE: SEE PLANVIEW FOR MULTIPLE IF LOCATIONS.

CITY AND STATE
BIRMINGHAM, AL

ELEVATION: 650	TDZE: 640
AIRPORT NAME:	
BIRMINGHAM-SHUTTLESWORTH INTL	

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (RNP) Z RWY 24, AMDT 1
28 APRIL 2016

SUP:	4
AMDT:	ORIGINAL
DATED:	07/28/2011

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (RNP) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.33

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ARINC SUMMARY - KBHM

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
KYLEE	010	KYLEE	IF	FB										E
KYLEE	020	WEDEB	TF	FB	1.0							AA 06000		E A
KYLEE	030	MOKEE	TF	FB	1.0							AA 03600		E B
KYLEE	040	NOCIM	TF	FB	0.3							AA 02400	AB 180	E
KYLEE	050	LOWGA	RF	FB	0.3				L	CFPVF	02.50	AA 02200		EE
LDK	010	LDK	IF	FB										V
LDK	020	JAVJA	TF	FB	1.0							AA 09000		E A
LDK	030	ISOJO	TF	FB	1.0							AA 06000		E
LDK	040	HESGA	TF	FB	1.0							AA 04000		E
LDK	050	LISRE	TF	FB	0.5							AA 03000		E B
LDK	060	ERIGE	TF	FB	0.3							AA 02500	AB 180	E
LDK	070	LOWGA	RF	FB	0.3				R	CFNXP	02.59	AA 02200		EE
VUZ	010	VUZ	IF	FB										V A
VUZ	020	LISRE	TF	FB	0.5							AA 03000		E B
VUZ	030	ERIGE	TF	FB	0.3							AA 02500	AB 180	E
VUZ	040	LOWGA	RF	FB	0.3				R	CFNXP	02.59	AA 02200		EE
WENDO	010	WENDO	IF	FB										E
WENDO	020	MREKK	TF	FB	1.0							AA 06000		E A
WENDO	030	SPATT	TF	FB	1.0							AA 04000		E B
WENDO	040	HUKEV	TF	FB	0.3							AA 02700		E
WENDO	050	LOWGA	TF	FB	0.3							AA 02200		EE
	020	LOWGA	IF	FB						RW24		AA 02200		E F
	030	RW24	TF	FO	0.3			3.00				AT 00693		GY M
	040	YACUR	TF	FB	1.0									E M
	050	WADEG	RF	FB	1.0				R	CFLRS	05.00			E
	060	VUZ	TF	FO	1.0							AA 03000		VY
	070	VUZ	HM	FO		229.0			R			AA 03000		VE

POINTS

POINT NAME	LATITUDE	LONGITUDE
LDK	N331531.90	W0873212.80
VUZ	N334012.48	W0865359.41
KYLEE	N330941.04	W0862157.72
WENDO	N335120.43	W0861631.27
CFLRS	N333352.36	W0865549.25
CFNXP	N333907.08	W0864137.66

QUALITY
28
CHECKED

CITY AND STATE BIRMINGHAM, AL	ELEVATION: 650 TDZE: 640 AIRPORT NAME: BIRMINGHAM-SHUTTLESWORTH INTL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (RNP) Z RWY 24, AMDT 1 28 APRIL 2016	SUP:
				AMDT: ORIG-A
				DATED: 07/28/2011

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION RNAV (RNP) 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.																																																																																																					
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QUALITY

28

CHECKED

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 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			
NOTES:																			
PROCEDURE CANCELED EFFECTIVE 28 APRIL 2016																			
CITY AND STATE PATTERSON, LA				ELEVATION: 9 AIRPORT NAME: HARRY P WILLIAMS MEMORIAL				TDZE: 9		FACILITY IDENTIFIER: PTN		PROCEDURE NO./AMDТ NO./EFFECTIVE DATE: NDB RWY 6, AMDT 11B, 08/21/2014				SUP AMDT 11A DATE 10/18/2012			



US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION							ILS - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.29										Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.									
TERMINAL ROUTES														MISSED APPROACH												
FROM				TO				COURSE AND DISTANCE				ALTITUDE		ILS: DA LOC: 4.83 MILES AFTER GF LOM												
CAM VOR/DME (IAF)				ALDEN INT/CAM 12.88 DME (NOPT)				313.17 / 12.88 (GF LBRG-183)				3200		CLIMB TO 900 THEN CLIMBING RIGHT TURN TO 2100 DIRECT GANSE LOM AND HOLD; OR AS DIRECTED BY ATC. ALTERNATE MA: CLIMB TO 900 THEN CLIMBING RIGHT TURN TO 4500 DIRECT CAM VOR/DME AND HOLD. ADDITIONAL FLIGHT DATA: CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD N CAM VOR/DME, RT, 196.00 INBOUND. FAS OBST: 500 AAO 431652N/0733701W. CHART IN PLANVIEW: CAM VOR/DME. CHART CIRCLING ICON.												
ALDEN INT/CAM 12.88 DME (IF)				GANSE LOM				012.43 / 9.39 (I-GFL)				2000														
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)																										
2. HOLD S GANSE LOM, RT, 012.43 INBOUND, 2000 FT. IN LIEU OF PT (IAF)																										
3. FAC: 012.43 FAF: GANSE LOM DIST FAF TO MAP: 4.83 THLD: 4.83																										
4. MIN. ALT: GANSE LOM 2000																										
5. DIST TO THLD FROM OM: 4.83 MM: - IM: - 150 HAT: - 100 HAT: - GS ANT: 976																										
6. MIN GS INCPT: 2000 GS ALT AT: - OM: 1935 MM: - IM: -																										
7. GS ANGLE: 3.00 TCH: 53.3																										
8. MSA FROM: GF LOM 045-225 5100, 225-315 4100, 315-045 4500																										
MAG VAR: 14W EPOCH YEAR: 1980																										
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 01	524	1/2	200	524	1/2	200	524	1/2	200	524	1/2	200														
S-LOC 01	760	1/2	436	760	1/2	436	760	3/4	436	760	3/4	436														
CIRCLING	840	1	512	860	1	532	940	1 3/4	612	1420	3	1092														
NOTES: CHART NOTE: NIGHT LANDING: RWY 12, 30 NA. CHART NOTE: ADF REQUIRED. CHART PLANVIEW NOTE: ADF REQUIRED. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED USE ALBANY ALTIMETER SETTING AND INCREASE (CONTINUED ON PAGE 2)																										
CITY AND STATE GLENS FALLS, NY				ELEVATION: 328 TDZE: 324 AIRPORT NAME: FLOYD BENNETT MEMORIAL				FACILITY IDENTIFIER: I-GFL		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 1, AMDT 5 28 APRIL 2016						SUP: AMDT: 4A DATED 12/10/2015										



**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.

NOTES, (CONT.):

ALL DA 91 FEET AND ALL MDA 100 FEET; INCREASE S-LOC 01 CATS C/D VISIBILITY TO 1 AND CIRCLING CAT C VISIBILITY TO 2.

CHART NOTE: FOR INOPERATIVE MALSR WHEN USING ALBANY ALTIMETER SETTING, INCREASE S-ILS 01 ALL CATS VISIBILITY TO 7/8.

CHART NOTE: CIRCLING NA FOR CAT D NW OF RWY 12 AND 19.

QUALITY
7
CHECKED

CITY AND STATE

GLENS FALLS, NY

ELEVATION: 328**TDZE: 324**

AIRPORT NAME:

FLOYD BENNETT MEMORIAL

FACILITY
IDENTIFIER:
I-GFL

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

ILS OR LOC RWY 1, AMDT 5

28 APRIL 2016

SUP:

AMDT: **4A**DATED: **12/10/2015**

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.29

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

ARINC SUMMARY - KGFL

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
CAM	010	CAM	FC	FB		313.2	CAM					AA 03200		V A
CAM	020	ALDEN	CF	FB		313.2	IGFL					AA 03200		EE B
GF	010	GF	HF	FO		012.4	CAM		R			AA 02000		NE A
	010	ALDEN	IF	FB			IGFL					AA 03200 GI 02000		E I
	020	GANSE	CF	FB		012.0	IGFL	3.00		GF		GI 02000 GS 01935		E F
	030	RW01	CF	FO		012.0	IGFL	3.00				AT 00375		GY M
	040		CA	FB		012.4						AA 00900		M
	050	GF	DF	FO					R			AA 02100		NY
	060	GF	HM	FO		012.4			R			AA 02100		NE

POINTS

POINT NAME	LATITUDE	LONGITUDE
CAM	N425939.44	W0732038.47
ALDEN	N430555.17	W0733559.34
GANSE	N431518.46	W0733620.37
IGFL (LOC)	N432109.26	W0733633.53
GF	N431518.05	W0733618.40

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW01	N432008.41	W0733631.24	00322	53.3

QUALITY
15
CHECKED

CITY AND STATE
GLENS FALLS, NY

ELEVATION: 328 TDZE: 324
AIRPORT NAME:
FLOYD BENNETT MEMORIAL

FACILITY
IDENTIFIER:
I-GFL

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
ILS OR LOC RWY 1, AMDT 5
28 APRIL 2016

SUP:
AMDT: 4A
DATED: 12/10/2015

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

LOC STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.25

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

ARINC SUMMARY - KGFL

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
CAM	010	CAM	FC	FB		313.2	CAM					AA 03200		V A
CAM	020	ALDEN	CF	FB		313.2	IGFL					AA 03200		EE B
GF	010	GF	HF	FO		012.4	CAM		R			AA 02000		NE A
	010	ALDEN	IF	FB			IGFL					AA 03200		E I
	020	GANSE	CF	FB		012.0	IGFL			GF		AA 02000		E F
	030	RW01	CF	FO		012.0	IGFL	3.17				AT 00375		GY M
	040		CA	FB		012.4						AA 00900		M
	050	GF	DF	FO					R			AA 02100		NY
	060	GF	HM	FO		012.4			R			AA 02100		NE

POINTS

POINT NAME	LATITUDE	LONGITUDE
CAM	N425939.44	W0732038.47
ALDEN	N430555.17	W0733559.34
GANSE	N431518.46	W0733620.37
IGFL (LOC)	N432109.26	W0733633.53
GF	N431518.05	W0733618.40

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW01	N432008.41	W0733631.24	00322	53.3

QUALITY
15
CHECKED

CITY AND STATE
GLENS FALLS, NY

ELEVATION: 328 TDZE: 324
AIRPORT NAME:
FLOYD BENNETT MEMORIAL

FACILITY
IDENTIFIER:
I-GFL

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
ILS OR LOC RWY 1, AMDT 5
28 APRIL 2016

SUP:
AMDT: 4A
DATED: 12/10/2015

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION GPS STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICE - 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 _____																			
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 28 APRIL 2016																			
CITY AND STATE COSHOCTON, OH		ELEVATION: 979 TDZE: 979 AIRPORT NAME: RICHARD DOWNING				FACILITY IDENTIFIER: GPS		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: GPS RWY 22, ORIG-A, 08/26/2010						SUP AMDT ORIG DATE 07/18/1997					

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: RW22 LNAV: RW22 CLIMB TO 1400 THEN CLIMBING RIGHT TURN TO 3400 DIRECT BEDDE AND HOLD. ADDITIONAL FLIGHT DATA: CHART FAS OBST: 1110 TREE 401834N/0815037W CHART FAS OBST: 1044 TREE 401859N/0815054W CHART: 1120 POLE 402111N/0814851W CHART VDP AT 0.93 MILES TO RW22 WAAS CHANNEL # 42838 REFERENCE PATH ID: W22A IRACU TO RW22: 3.00/45. CHART CIRCLING ICON. LTP HAE: 264.9 M										
BEDDE (IF/IAF)				IRACU (FB)			224.45 / 6.00				2400												
IRACU (FAF)				BPANE/2.60 NM TO RW22 (FB)			224.40 / 1.72																
BPANE/2.60 NM TO RW22				RW22 (MAP) (FO)			224.40 / 2.60																
RW22 (MAP)				1400 MSL			224.40				1400												
1400 MSL				BEDDE (FO)							3400												
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)														MAG VAR: 7W EPOCH YEAR: 2000									
2. HOLD NE BEDDE, RT, 224.45 INBOUND, 3400 FT. IN LIEU OF PT (IAF)																							
3. FAC: 224.40 FAF: IRACU DIST FAF TO MAP: 4.32 THLD: 4.32																							
4. MIN. ALT: BEDDE 3400, IRACU 2400, BPANE/2.60 NM TO RW22 1840																							
5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____																							
6. MIN GS INCPT: _____ GS ALT AT: _____ OM: _____ MM: _____ IM: _____																							
7. GS ANGLE: _____ TCH: 34:1 IS CLEAR																							
8. MSA FROM: _____																							
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	321	1300	1	321	1300	1	321	1300	1	321											
LNAV MDA	1360	1	381	1360	1	381	1360	1 1/8	381	1360	1 1/8	381											
CIRCLING	1440	1	461	1500	1	521	1780	2 1/4	801	1780	2 1/2	801											
NOTES: CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: VDP NA WHEN USING ZANESVILLE ALTIMETER SETTING. CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}). CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ZANESVILLE ALTIMETER SETTING AND (CONTINUED ON PAGE 2)																							
CITY AND STATE COSHOCTON, OH				ELEVATION: 979 TDZE: 979 AIRPORT NAME: RICHARD DOWNING				FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 22, ORIG 28 APRIL 2016					SUP: AMDT: NONE DATED								

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

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NOTES, (CONT.):

INCREASE ALL MDA 80 FEET, INCREASE LP AND LNAV CAT C/D VISIBILITY 1/4 MILE, AND CIRCLING CAT C/D VISIBILITY 1/2 MILE.

TAA

	FROM	TO	ALT
1.	134/30 CW 314/30 (NOPT)	BEDDE (IF/IAF) (FB)	3400
2.	314/30 CW 134/30	BEDDE (IAF) (FO)	3400

QUALITY
25
CHECKED

CITY AND STATE COSHOCOTON, OH	ELEVATION: 979 AIRPORT NAME: RICHARD DOWNING	TDZE: 979	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 22, ORIG 28 APRIL 2016	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	I40
RUNWAY	RW22
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W22A
LTP/FTP LATITUDE	401856.2190N
LTP/FTP LONGITUDE	0815049.0650W
LTP/FTP ELLIPSOIDAL HEIGHT	+02649
FPAP LATITUDE	401745.3425N
FPAP LONGITUDE	0815159.7275W
THRESHOLD CROSSING HEIGHT (TCH)	00045.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1224
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	0.0
 <u>CRC REMAINDER</u>	 8564F7CF

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+02983
FPAP ORTHOMETRIC HEIGHT	+02983

QUALITY
25
CHECKED

CITY AND STATE COSHOCTON, OH	ELEVATION: 979 AIRPORT NAME: RICHARD DOWNING	TDZE: 979 RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 22, ORIG 28 APRIL 2016	SUP:
				AMDT: NONE
				DATED:

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 - I40 ROUTES <table style="width:100%; border-collapse: collapse; font-family: monospace; font-size: small;"> <thead> <tr> <th style="text-align: left;">TRANSITION</th> <th style="text-align: left;">WPT SEQ</th> <th style="text-align: left;">WPT NAME</th> <th style="text-align: left;">LEG TYPE</th> <th style="text-align: left;">FB/FO</th> <th style="text-align: left;">RNP</th> <th style="text-align: left;">MAG CRS</th> <th style="text-align: left;">REC NAV</th> <th style="text-align: left;">ANGLE</th> <th style="text-align: left;">TURN DIR</th> <th style="text-align: left;">CENTER FIX</th> <th style="text-align: left;">TURN RADIUS</th> <th style="text-align: left;">ALTITUDE DESCRIPTION & VALUE</th> <th style="text-align: left;">SPEED LIMIT DESCRIPTION & VALUE</th> <th style="text-align: left;">WPT DESCRIPTION CODE</th> </tr> </thead> <tbody> <tr><td>BEDDE</td><td>010</td><td>BEDDE</td><td>HF</td><td>FO</td><td></td><td>224.5</td><td></td><td></td><td>R</td><td></td><td></td><td>AA 03400</td><td></td><td>EE A</td></tr> <tr><td></td><td>010</td><td>BEDDE</td><td>IF</td><td>FB</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>AA 03400</td><td></td><td>E I</td></tr> <tr><td></td><td>020</td><td>IRACU</td><td>TF</td><td>FB</td><td>1.0</td><td>224.5</td><td></td><td></td><td></td><td></td><td></td><td>AA 02400</td><td></td><td>E F</td></tr> <tr><td></td><td>021</td><td>BPANE</td><td>TF</td><td>FB</td><td>0.3</td><td>224.4</td><td></td><td>3.00</td><td></td><td></td><td></td><td>AA 01840 GS 01852</td><td></td><td>E S</td></tr> <tr><td></td><td>030</td><td>RW22</td><td>TF</td><td>FO</td><td>0.3</td><td>224.4</td><td></td><td>3.00</td><td></td><td></td><td></td><td>AT 01024</td><td></td><td>GY M</td></tr> <tr><td></td><td>040</td><td></td><td>CA</td><td>FB</td><td></td><td>224.4</td><td></td><td></td><td></td><td></td><td></td><td>AA 01400</td><td></td><td>M</td></tr> <tr><td></td><td>050</td><td>BEDDE</td><td>DF</td><td>FO</td><td></td><td></td><td></td><td></td><td>R</td><td></td><td></td><td>AA 03400</td><td></td><td>EY</td></tr> <tr><td></td><td>060</td><td>BEDDE</td><td>HM</td><td>FO</td><td></td><td>224.5</td><td></td><td></td><td>R</td><td></td><td></td><td>AA 03400</td><td></td><td>EE</td></tr> </tbody> </table> POINTS <table style="width:100%; border-collapse: collapse; font-family: monospace; font-size: small;"> <thead> <tr> <th style="text-align: left;">POINT NAME</th> <th style="text-align: left;">LATITUDE</th> <th style="text-align: left;">LONGITUDE</th> </tr> </thead> <tbody> <tr><td>BEDDE</td><td>N402708.53</td><td>W0814236.76</td></tr> <tr><td>BPANE</td><td>N402100.28</td><td>W0814845.25</td></tr> <tr><td>IRACU</td><td>N402222.43</td><td>W0814723.17</td></tr> </tbody> </table> RUNWAYS <table style="width:100%; border-collapse: collapse; font-family: monospace; font-size: small;"> <thead> <tr> <th style="text-align: left;">RUNWAY</th> <th style="text-align: left;">THRESHOLD LATITUDE</th> <th style="text-align: left;">THRESHOLD LONGITUDE</th> <th style="text-align: left;">THRESHOLD ELEVATION</th> <th style="text-align: left;">PROCEDURE TCH</th> </tr> </thead> <tbody> <tr><td>RW22</td><td>N401856.22</td><td>W0815049.07</td><td>00979</td><td>45</td></tr> </tbody> </table>														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	BEDDE	010	BEDDE	HF	FO		224.5			R			AA 03400		EE A		010	BEDDE	IF	FB								AA 03400		E I		020	IRACU	TF	FB	1.0	224.5						AA 02400		E F		021	BPANE	TF	FB	0.3	224.4		3.00				AA 01840 GS 01852		E S		030	RW22	TF	FO	0.3	224.4		3.00				AT 01024		GY M		040		CA	FB		224.4						AA 01400		M		050	BEDDE	DF	FO					R			AA 03400		EY		060	BEDDE	HM	FO		224.5			R			AA 03400		EE	POINT NAME	LATITUDE	LONGITUDE	BEDDE	N402708.53	W0814236.76	BPANE	N402100.28	W0814845.25	IRACU	N402222.43	W0814723.17	RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH	RW22	N401856.22	W0815049.07	00979	45
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																																																																																																																																																												
BEDDE	010	BEDDE	HF	FO		224.5			R			AA 03400		EE A																																																																																																																																																												
	010	BEDDE	IF	FB								AA 03400		E I																																																																																																																																																												
	020	IRACU	TF	FB	1.0	224.5						AA 02400		E F																																																																																																																																																												
	021	BPANE	TF	FB	0.3	224.4		3.00				AA 01840 GS 01852		E S																																																																																																																																																												
	030	RW22	TF	FO	0.3	224.4		3.00				AT 01024		GY M																																																																																																																																																												
	040		CA	FB		224.4						AA 01400		M																																																																																																																																																												
	050	BEDDE	DF	FO					R			AA 03400		EY																																																																																																																																																												
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POINT NAME	LATITUDE	LONGITUDE																																																																																																																																																																								
BEDDE	N402708.53	W0814236.76																																																																																																																																																																								
BPANE	N402100.28	W0814845.25																																																																																																																																																																								
IRACU	N402222.43	W0814723.17																																																																																																																																																																								
RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH																																																																																																																																																																						
RW22	N401856.22	W0815049.07	00979	45																																																																																																																																																																						
CITY AND STATE COSHOCTON, OH				ELEVATION: 979 TDZE: 979 AIRPORT NAME: RICHARD DOWNING				FACILITY IDENTIFIER: RNAV		PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 22, ORIG 28 APRIL 2016				SUP: AMDT: NONE DATED:																																																																																																																																																												

QUALITY
 25
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U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION VOR STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.23										Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.									
TERMINAL ROUTES										MISSED APPROACH									
FROM			TO			COURSE AND DISTANCE			ALTITUDE		MAP: 4.87 MILES AFTER CYCLO INT/ZZV 17.00 DME OR AT MABEF/ZZV 21.87 DME FIX								
ZZV VOR/DME (IAF)			HODOK INT/ZZV 11.00 DME			010.76 / 11.00			2700		CLIMB TO 2700 THEN LEFT TURN ON HEADING 140 AND ON ZZV VOR/DME R-011 TO CYCLO INT/ZZV 17.00 DME AND HOLD.								
HODOK INT/ZZV 11.00 DME (IF)			CYCLO INT/ZZV 17.00 DME			010.76 / 6.00 (ZZV R-011)			2700										
										ADDITIONAL FLIGHT DATA: HOLD S, RT, 010.76 INBOUND. CHART FAS OBST: 1462 ANT 401610N/0814908W CHART CIRCLING ICON. FAC CROSSES MIDPOINT OF RWY 4-22.									
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)										MAG VAR: 6W EPOCH YEAR: 1990									
2. PROFILE STARTS AT ZZV VOR/DME																			
3. FAC 010.76 FAF CYCLO INT/ZZV 17.00 DME DIST FAF TO MAP 4.87 THLD																			
4. MIN. ALT ZZV VOR/DME 2700, HODOK 2700, CYCLO 2700																			
8. MSA FROM: ZZV VOR/DME 2700																			
MINIMUMS																			
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT										ALTERNATE: N A		X							
CATEGORY =====>		A			B			C			D			E					
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA				
CIRCLING	1720	1	741	1720	1	741	1780	2 1/4	801	1780	2 1/2	801							
NOTES:																			
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT ZZV VOR/DME ON V133 SOUTHBOUND. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ZANESVILLE ALTIMETER SETTING AND INCREASE ALL MDA 80 FEET, AND INCREASE CIRCLING CAT C/D VISIBILITY 1/2 MILE.																			
CITY AND STATE COSHOCTON, OH		ELEVATION: 979 AIRPORT NAME: RICHARD DOWNING		TDZE:		FACILITY IDENTIFIER: ZZV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: VOR-A, AMDT 10 28 APRIL 2016				SUP VOR OR GPS-A							
												AMDT 9A							
												DATE 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		LP: RW13 LNAV: RW13						
OCITA (IAF)		HIPUM (NOPT) (FB)			215.90 / 8.00			3000		CLIMB TO 700 THEN CLIMBING RIGHT TURN TO 3200 DIRECT TIKGU AND HOLD.						
TIKGU (IAF)		HIPUM (NOPT) (FB)			035.57 / 8.00			3000								
HIPUM (IF/IAF)		ZESIL (FB)			125.74 / 8.00			1800								
ZESIL (FAF)		RW13 (MAP) (FO)			125.88 / 5.05											
RW13 (MAP)		700 MSL			125.88			700		ADDITIONAL FLIGHT DATA: HOLD SW, RT, 035.57 INBOUND. FAS OBST: 240 AAO 584503N/1570348W FAS OBST: 227 AAO 584427N/1570518W WAAS CHANNEL # 42937 REFERENCE PATH ID: W13A ZESIL TO RW13: 3.00/35. CHART CIRCLING ICON LTP HAE: 60.8 M						
700 MSL		TIKGU (FO)						3200								
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)										MAG VAR: 13E EPOCH YEAR: 2020						
2. HOLD NW HIPUM, RT, 125.74 INBOUND, 3000 FT. IN LIEU OF PT (IAF)																
3. FAC: 125.88 FAF: ZESIL DIST FAF TO MAP: 5.05 THLD: 5.05																
4. MIN. ALT: HIPUM 3000, ZESIL 1800																
5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____																
6. MIN GS INCPT: _____ GS ALT AT: _____ OM: _____ MM: _____ IM: _____																
7. GS ANGLE: _____ TCH: 34:1 IS NOT CLEAR																
8. MSA FROM: _____																
MINIMUMS																
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT							ALTERNATE: N A		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	480	1	320	480	1	320		NA			NA					
LNAV MDA	500	1	340	500	1	340		NA			NA					
CIRCLING	560	1	398	620	1	458		NA			NA					
NOTES: CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE KING SALMON ALTIMETER SETTING AND INCREASE ALL MDA 40 FEET. CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1SM NOT AUTHORIZED.																
# NA WHEN LOCAL WEATHER NOT AVAILABLE																
(SEE FORM 8260-10)																
CITY AND STATE SOUTH NAKNEK, AK			ELEVATION: 162 TDZE: 160 AIRPORT NAME: SOUTH NAKNEK NR 2			FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 13, ORIG 26 MAY 2016				SUP: AMDT: NONE DATED				

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

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NOTES, (CONT.):

CHART NOTE: PROCEDURE NA AT NIGHT.

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

TAA

	FROM	TO	ALT
1.	036/30 CW 216/30 (NOPT)	HIPUM (IAF) (FB)	3000
2.	216/30 CW 306/30	216/26 CW 306/26	3900
3.	216/26 CW 306/26 (NOPT)	OCITA (IAF) (FB)	3000
4.	306/30 CW 036/30 (NOPT)	TIKGU (IAF) (FB)	3000

CITY AND STATE

SOUTH NAKNEK, AK

ELEVATION: 162

TDZE: 160

AIRPORT NAME:

SOUTH NAKNEK NR 2

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 13, ORIG

26 MAY 2016

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	PFWS
RUNWAY	RW13
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W13A
LTP/FTP LATITUDE	584214.7370N
LTP/FTP LONGITUDE	1570027.9535W
LTP/FTP ELLIPSOIDAL HEIGHT	+00608
FPAP LATITUDE	584107.6700N
FPAP LONGITUDE	1565835.8900W
THRESHOLD CROSSING HEIGHT (TCH)	00035.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1744
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	0.0

<u>CRC REMAINDER</u>	DF65A1DA
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ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	PA
LTP ORTHOMETRIC HEIGHT	+00477
FPAP ORTHOMETRIC HEIGHT	+00477

CITY AND STATE

SOUTH NAKNEK, AK

ELEVATION: 162

TDZE: 160

AIRPORT NAME:

SOUTH NAKNEK NR 2

 FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 13, ORIG

26 MAY 2016

SUP:

AMDT:

DATED:

 QUALITY
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NONE

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 - PFWS ROUTES <table style="width:100%; border-collapse: collapse; font-family: monospace; font-size: small;"> <thead> <tr> <th style="text-align: left;">TRANSITION</th> <th style="text-align: left;">WPT SEQ</th> <th style="text-align: left;">WPT NAME</th> <th style="text-align: left;">LEG TYPE</th> <th style="text-align: left;">FB/FO</th> <th style="text-align: left;">RNP</th> <th style="text-align: left;">MAG CRS</th> <th style="text-align: left;">REC NAV</th> <th style="text-align: left;">ANGLE</th> <th style="text-align: left;">TURN DIR</th> <th style="text-align: left;">CENTER FIX</th> <th style="text-align: left;">TURN RADIUS</th> <th style="text-align: left;">ALTITUDE DESCRIPTION & VALUE</th> <th style="text-align: left;">SPEED LIMIT DESCRIPTION & VALUE</th> <th style="text-align: left;">WPT DESCRIPTION CODE</th> </tr> </thead> <tbody> <tr><td>HIPUM</td><td>010</td><td>HIPUM</td><td>HF</td><td>FO</td><td></td><td>125.7</td><td></td><td></td><td>R</td><td></td><td></td><td>AA 03000</td><td></td><td>EE A</td></tr> <tr><td>OCITA</td><td>010</td><td>OCITA</td><td>IF</td><td>FB</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>E A</td></tr> <tr><td>OCITA</td><td>020</td><td>HIPUM</td><td>TF</td><td>FB</td><td>1.0</td><td>215.9</td><td></td><td></td><td></td><td></td><td></td><td>AA 03000</td><td></td><td>EE B</td></tr> <tr><td>TIKGU</td><td>010</td><td>TIKGU</td><td>IF</td><td>FB</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>E A</td></tr> <tr><td>TIKGU</td><td>020</td><td>HIPUM</td><td>TF</td><td>FB</td><td>1.0</td><td>035.6</td><td></td><td></td><td></td><td></td><td></td><td>AA 03000</td><td></td><td>EE B</td></tr> <tr><td></td><td>010</td><td>HIPUM</td><td>IF</td><td>FB</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>AA 03000</td><td></td><td>E I</td></tr> <tr><td></td><td>020</td><td>ZESIL</td><td>TF</td><td>FB</td><td>0.5</td><td>125.7</td><td></td><td></td><td></td><td></td><td></td><td>AA 01800</td><td></td><td>E F</td></tr> <tr><td></td><td>030</td><td>RW13</td><td>TF</td><td>FO</td><td>0.3</td><td>125.9</td><td></td><td>3.00</td><td></td><td></td><td></td><td>AT 00192</td><td></td><td>GY M</td></tr> <tr><td></td><td>040</td><td></td><td>CA</td><td>FB</td><td></td><td>125.9</td><td></td><td></td><td></td><td></td><td></td><td>AA 00700</td><td></td><td>M</td></tr> <tr><td></td><td>050</td><td>TIKGU</td><td>DF</td><td>FO</td><td></td><td></td><td></td><td></td><td>R</td><td></td><td></td><td>AA 03200</td><td></td><td>EY</td></tr> <tr><td></td><td>060</td><td>TIKGU</td><td>HM</td><td>FO</td><td></td><td>035.6</td><td></td><td></td><td>R</td><td></td><td></td><td>AA 03200</td><td></td><td>EE</td></tr> </tbody> </table> POINTS <table style="width:100%; border-collapse: collapse; font-family: monospace; font-size: small;"> <thead> <tr> <th style="text-align: left;">POINT NAME</th> <th style="text-align: left;">LATITUDE</th> <th style="text-align: left;">LONGITUDE</th> </tr> </thead> <tbody> <tr><td>HIPUM</td><td>N585202.96</td><td>W1571657.98</td></tr> <tr><td>OCITA</td><td>N585718.24</td><td>W1570521.34</td></tr> <tr><td>TIKGU</td><td>N584646.63</td><td>W1572831.11</td></tr> <tr><td>ZESIL</td><td>N584602.64</td><td>W1570650.01</td></tr> </tbody> </table> RUNWAYS <table style="width:100%; border-collapse: collapse; font-family: monospace; font-size: small;"> <thead> <tr> <th style="text-align: left;">RUNWAY</th> <th style="text-align: left;">THRESHOLD LATITUDE</th> <th style="text-align: left;">THRESHOLD LONGITUDE</th> <th style="text-align: left;">THRESHOLD ELEVATION</th> <th style="text-align: left;">PROCEDURE TCH</th> </tr> </thead> <tbody> <tr><td>RW13</td><td>N584214.74</td><td>W1570027.95</td><td>00157</td><td>35</td></tr> </tbody> </table>															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	HIPUM	010	HIPUM	HF	FO		125.7			R			AA 03000		EE A	OCITA	010	OCITA	IF	FB										E A	OCITA	020	HIPUM	TF	FB	1.0	215.9						AA 03000		EE B	TIKGU	010	TIKGU	IF	FB										E A	TIKGU	020	HIPUM	TF	FB	1.0	035.6						AA 03000		EE B		010	HIPUM	IF	FB								AA 03000		E I		020	ZESIL	TF	FB	0.5	125.7						AA 01800		E F		030	RW13	TF	FO	0.3	125.9		3.00				AT 00192		GY M		040		CA	FB		125.9						AA 00700		M		050	TIKGU	DF	FO					R			AA 03200		EY		060	TIKGU	HM	FO		035.6			R			AA 03200		EE	POINT NAME	LATITUDE	LONGITUDE	HIPUM	N585202.96	W1571657.98	OCITA	N585718.24	W1570521.34	TIKGU	N584646.63	W1572831.11	ZESIL	N584602.64	W1570650.01	RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH	RW13	N584214.74	W1570027.95	00157	35
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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: RW31 CLIMB TO 700 THEN CLIMBING LEFT TURN TO 3200 DIRECT TIKGU AND HOLD. ADDITIONAL FLIGHT DATA: HOLD SW, RT, 035.57 INBOUND. FAS OBST: 447 AAO 583915N/1565530W DISTANCE TO THLD FROM 250 HAT: 0.68 NM. CHART VDP AT 1.61 MILES TO RW31* *LNAV ONLY. WAAS CHANNEL # 87137 REFERENCE PATH ID: W31B CHART CIRCLING ICON LTP HAE: 61.7 M						
ZEROM (IAF)		JIVEM (NOPT) (FB)		036.04 / 8.00			3000								
WOMLI (IAF)		JIVEM (NOPT) (FB)		216.37 / 8.00			3000								
JIVEM (IF/IAF)		KRAIT (FB)		306.20 / 8.00			1800								
KRAIT (FAF)		RW31 (MAP) (FO)		306.06 / 5.04											
RW31 (MAP)		700 MSL		306.06			700								
700 MSL		TIKGU (FO)					3200								
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD SE JIVEM, RT, 306.20 INBOUND, 3000 FT. IN LIEU OF PT (IAF) 3. FAC: 306.06 FAF: KRAIT DIST FAF TO MAP: 5.04 THLD: 5.04 4. MIN. ALT: JIVEM 3000, KRAIT 1800 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 1800 GS ALT AT: KRAIT 1800 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 35.0 34:1 IS CLEAR 8. MSA FROM: _____										MAG VAR: 13E		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	410	1	250	410	1	250		NA			NA				
LNAV/VNAV DA	410	1	250	410	1	250		NA			NA				
LNAV MDA	700	1	540	700	1	540		NA			NA				
CIRCLING	700	1	538	700	1	538		NA			NA				
NOTES: CHART NOTE: BARO-VNAV NA WHEN USING KING SALMON ALTIMETER SETTING. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -21C (-5F) OR ABOVE 54C (130F). CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE KING SALMON ALTIMETER SETTING AND (SEE FORM 8260-10)															
CITY AND STATE SOUTH NAKNEK, AK		ELEVATION: 162 TDZE: 160 AIRPORT NAME: SOUTH NAKNEK NR 2		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 31, ORIG 26 MAY 2016				SUP:		@ NA WHEN LOCAL WEATHER NOT AVAILABLE QUALITY 22 CHECKED			
										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.

NOTES, (CONT.):

INCREASE ALL DA/MDA 40 FEET.

CHART NOTE: DME/DME RNP-0.3 NA.

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

CHART NOTE: VDP NA WHEN USING KING SALMON ALTIMETER SETTING.

CHART NOTE: NIGHT LANDING: RWY 5,13, NA.

TAA

	FROM	TO	ALT
1.	216/30 CW 267/30 (NOPT)	216/14 CW 267/14	5200
2.	267/30 CW 297/30 (NOPT)	267/14 CW 297/14	5800
3.	297/30 CW 036/30 (NOPT)	297/14 CW 036/14	5400
4.	216/14 CW 036/14	JIVEM (IAF) (FB)	3000
5.	036/30 CW 126/30	ZEROM (IAF) (FB)	3000
6.	126/30 CW 216/30 (NOPT)	126/16 CW 216/16	4400
7.	126/16 CW 216/16	WOMLI (IAF) (FB)	3500

CITY AND STATE

SOUTH NAKNEK, AK

ELEVATION: 162

TDZE: 160

AIRPORT NAME:

SOUTH NAKNEK NR 2

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 31, ORIG

26 MAY 2016

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	PFWS
RUNWAY	RW31
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W31B
LTP/FTP LATITUDE	584154.2650N
LTP/FTP LONGITUDE	1565953.7210W
LTP/FTP ELLIPSOIDAL HEIGHT	+00617
FPAP LATITUDE	584301.3025N
FPAP LONGITUDE	1570145.8840W
THRESHOLD CROSSING HEIGHT (TCH)	00035.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1912
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
 <u>CRC REMAINDER</u>	 3A452467

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	PA
LTP ORTHOMETRIC HEIGHT	+00486
FPAP ORTHOMETRIC HEIGHT	+00486

CITY AND STATE

SOUTH NAKNEK, AK

ELEVATION: 162

TDZE: 160

AIRPORT NAME:

SOUTH NAKNEK NR 2

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 31, ORIG

26 MAY 2016

SUP:

AMDT:

DATED:

QUALITY
22
CHECKED

NONE

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION												Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.		
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE														
FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.33														
ARINC SUMMARY - PFWS														
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
JIVEM	010	JIVEM	HF	FO		306.2			R			AA 03000		EE A
WOMLI	010	WOMLI	IF	FB										E A
WOMLI	020	JIVEM	TF	FB	1.0	216.4						AA 03000		EE B
ZEROM	010	ZEROM	IF	FB										E A
ZEROM	020	JIVEM	TF	FB	1.0	036.0						AA 03000		EE B
	010	JIVEM	IF	FB								AA 03000		E I
	020	KRAIT	TF	FB	0.5	306.2						AA 01800		E F
	030	RW31	TF	FO	0.3	306.1		3.00				AT 00195		GY M
	040		CA	FB		306.1						AA 00700		M
	050	TIKGU	DF	FO					L			AA 03200		EY
	060	TIKGU	HM	FO		035.6			R			AA 03200		EE
POINTS														
POINT NAME			LATITUDE			LONGITUDE								
JIVEM			N583204.36			W1564333.80								
KRAIT			N583806.47			W1565333.82								
TIKGU			N584646.63			W1572831.11								
WOMLI			N583716.71			W1563158.89								
ZEROM			N582650.97			W1565505.28								
RUNWAYS														
RUNWAY		THRESHOLD LATITUDE		THRESHOLD LONGITUDE		THRESHOLD ELEVATION		PROCEDURE TCH						
RW31		N584154.27		W1565953.72		00160		35						

QUALITY
22
CHECKED

CITY AND STATE SOUTH NAKNEK, AK	ELEVATION: 162	TDZE: 160	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME: SOUTH NAKNEK NR 2		RNAV	RNAV (GPS) RWY 31, ORIG 26 MAY 2016	AMDT: NONE
					DATED:

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.
SOUTH NAKNEK, AK	SOUTH NAKNEK NR 2	26 MAY 2016	ORIG

TAKEOFF MINIMUMS:

RWY 5, 23: NA
RWY 13, 31: STANDARD

TEXTUAL DEPARTURE PROCEDURES:

VISUAL CLIMB OVER AIRPORT:

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 13, TREES BEGINNING 930 FT FROM DER, 268 FT LEFT OF CENTERLINE, UP TO 15 FT AGL/186 FT MSL. BUSHES BEGINNING 240 FT FROM DER, 61 FT LEFT OF CENTERLINE, UP TO 13 FT AGL/186 FT MSL. BUSH 246 FT FROM DER, 18 FT RIGHT OF CENTERLINE, 13 FT AGL/162 FT MSL.
NOTE: RWY 31, TREES BEGINNING 29 FT FROM DER, 143 FT LEFT OF CENTERLINE, UP TO 15 FT AGL/174 FT MSL. POLES BEGINNING 204 FT FROM DER, 359 FT RIGHT OF CENTERLINE, UP TO 43 FT AGL/177 FT MSL. CATENARY 217 FT FROM DER, 451 FT RIGHT OF CENTERLINE, 35 FT AGL/170 FT MSL. TREES BEGINNING 210 FT FROM DER, 111 FT RIGHT OF CENTERLINE, UP TO 34 FT AGL/172 FT MSL. VEHICLES ON ROAD 211 FT FROM DER, 233 FT RIGHT OF CENTERLINE, 15 FT AGL/167 FT MSL.

CONTROLLING OBSTACLES:

QUALITY
22
CHECKED

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.
SOUTH NAKNEK, AK	SOUTH NAKNEK NR 2	26 MAY 2016	ORIG

REMARKS:

FLIGHT INSPECTED BY:

CHRISTOPHER D FORMAN

FICO

Digitally signed by

ALLAN WILL

Jan 12, 2016

8/03/2015

REQUIRED EFFECTIVE DATE:

CONCURRENT

DEVELOPED BY:

TRACEY STILES

Digitally signed by

TRACEY STILES

AJV-543

4/6/2015

Apr 07, 2015

APPROVED BY:

Digitally signed by

JILL OLSON

ALLAN WILL

AJV-543

Jan 12, 2016

COORDINATED WITH:

ALPA, AOPA, NBAA, ZAN, AIRPORT MANAGER

CHANGES:

1. ORIGINAL

REASONS:

PER FPT/ATC REQUEST; AIRPORT GOING FROM VFR TO IFR.
EFFECTIVE CONCURRENT WITH: AIRSPACE DOCKET 12-AAL-15.

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 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)										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 26 MAY 2016																			
CITY AND STATE SELMA, AL				ELEVATION: 166 THRE: 165 AIRPORT NAME: CRAIG FIELD				FACILITY IDENTIFIER: SE				PROCEDURE NO./AMDT NO./EFFECTIVE DATE: NDB RWY 33, AMDT 5, 11/13/2014				SUP AMDT DATE			
																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.												
TERMINAL ROUTES										MISSED APPROACH						
FROM		TO		COURSE AND DISTANCE				ALTITUDE		LNAV: RW32 CLIMBING RIGHT TURN TO 10000 DIRECT MINGY AND HOLD, CONTINUE CLIMB-IN-HOLD TO 10000. ADDITIONAL FLIGHT DATA: HOLD S, RT, 344.98 INBOUND. CHART FAS OBST: 3914 TREE 344212N/1120200W CHART TUZIGOOT NATIONAL MONUMENT 344615N/1120134W CHART CIRCLING ICON NINTE TO RW32: 3.60/40						
DRK VORTAC		COTSA (FO)		099.69 / 31.22				9100								
OATES		COTSA (FO)		192.09 / 22.99				9100								
FERER (IAF)		COTSA (NOPT) (FB)		334.83 / 19.72				8500								
COTSA (IF/IAF)		WEKIG (FB)		314.62 / 4.67				7100								
WEKIG		NINTE (FB)		314.58 / 2.33				6400								
NINTE (FAF)		UPEJI/3.00 NM TO RW32 (FB)		324.61 / 4.32												
(SEE FORM 8260-10)																
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD SE COTSA, RT, 314.62 INBOUND, 8500 FT. IN LIEU OF PT (IAF) 3. FAC: 324.61 FAF: NINTE DIST FAF TO MAP: 7.32 THLD: 7.32 4. MIN. ALT: COTSA 8500, WEKIG 7100, NINTE 6400, UPEJI/3.00 NM TO RW32 4740 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: RW32 9700																
										MAG VAR: 11E EPOCH YEAR: 2015						
MINIMUMS																
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT										ALTERNATE: N A X						
CATEGORY ==>		A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	
LNAV MDA	4260	1	700	4260	1	700	4260	2	700		NA					
CIRCLING	4260	1	700	4260	1	700	4260	2	700		NA					
NOTES: CHART NOTE: CIRCLING NA SW OF RWY 14-32. CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: PROCEDURE NA AT NIGHT. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. (CONTINUED ON PAGE 2)																
CITY AND STATE		ELEVATION: 3560 TDZE: 3560				FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:				
COTTONWOOD, AZ		AIRPORT NAME: COTTONWOOD						RNAV (GPS) RWY 32, ORIG 26 MAY 2016				AMDT: NONE				
												DATED:				

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

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TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
UPEJI/3.00 NM TO RW32	RW32 (MAP) (FO)	324.61 / 3.00	
RW32 (MAP)	3960 MSL	324.61	
3960 MSL	MINGY (FO)		10000

NOTES, (CONT.):

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT FERER ON V567 SOUTHWEST BOUND.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON DRK VORTAC AIRWAY RADIALS 127 CW 168.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE SEDONA ALTIMETER SETTING AND INCREASE ALL MDA 200 FEET, INCREASE LNAV AND CIRCLING CAT A/B VISIBILITY 1/4 MILE, LNAV CAT C VISIBILITY 1/2 MILE, CIRCLING CAT C VISIBILITY 3/4 MILE.

CITY AND STATE
COTTONWOOD, AZ

ELEVATION: 3560 TDZE: 3560
AIRPORT NAME:
COTTONWOOD

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 32, ORIG
26 MAY 2016

SUP:
AMDT: NONE
DATED:

QUALITY
23
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.
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ARINC SUMMARY - P52

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
DRK	010	DRK	IF	FB										V
DRK	020	COTSA	TF	FO	2.0	099.7						AA 09100		EY
DRK	030	COTSA	HF	FO		314.6			R			AA 08500		EE A
FERER	010	FERER	IF	FB										E A
FERER	020	COTSA	TF	FB	1.0	334.8						AA 08500		EE B
OATES	010	OATES	IF	FB										E
OATES	020	COTSA	TF	FO	2.0	192.1						AA 09100		EY
OATES	030	COTSA	HF	FO		314.6			R			AA 08500		EE A
	010	COTSA	IF	FB								AA 08500		E I
	011	WEKIG	TF	FB	1.0	314.6						AA 07100		E
	020	NINTE	TF	FB	1.0	314.6				RW32		AA 06400		E F
	021	UPEJI	TF	FB	0.3	324.6		3.60				AA 04740 GS 04747		E S
	030	RW32	TF	FO	0.3	324.6		3.60				AT 03600		GY M
	040		CA	FB		324.6						AA 03960		M
	050	MINGY	DF	FO					R			AA 10000		EY
	060	MINGY	HM	FO		345.0			R			AA 10000		EE

POINTS

POINT NAME	LATITUDE	LONGITUDE
DRK	N344209.20	W1122849.24
COTSA	N343101.20	W1115328.42
FERER	N341152.43	W1114738.10
MINGY	N343258.05	W1114459.42
NINTE	N343648.30	W1115815.80
OATES	N345212.52	W1114233.76
UPEJI	N344044.88	W1120025.71
WEKIG	N343452.79	W1115640.07

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW32	N344329.05	W1120155.96	03560	40

CITY AND STATE COTTONWOOD, AZ	ELEVATION: 3560 TDZE: 3560 AIRPORT NAME: COTTONWOOD	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 32, ORIG 26 MAY 2016	SUP: QUALITY 23 CHECKED
				AMDT: NONE
				DATED:

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

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City, State	Airport	Effective Date	Amdt. No.
COTTONWOOD, AZ	COTTONWOOD	26 MAY 2016	ORIG

TAKEOFF MINIMUMS:

TEXTUAL DEPARTURE PROCEDURES:

USE MINGY DEPARTURE

VISUAL CLIMB OVER AIRPORT:

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.
COTTONWOOD, AZ	COTTONWOOD	26 MAY 2016	ORIG

REMARKS:

FLIGHT INSPECTED BY:

Digitally signed by

GARY J VEER **ALLAN WILL** FICO 02/25/2016
Mar 03, 2016

REQUIRED EFFECTIVE DATE:

CONCURRENT WITH AIRSPACE
DOCKET 12-AWP-11.

DEVELOPED BY:

Digitally signed by

HERMAN ROGERS AJV-5433 **HERMAN C ROGERS** 11/23/2015
Nov 23, 2015

APPROVED BY:

Digitally signed by

LONNIE EVERHART **ALLAN WILL** AJV-5430
Mar 03, 2016

COORDINATED WITH:

AOPA, NBAA, ALPA, PHX TRACON, ZAB, AMGR

CHANGES:

REASONS:



U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION										Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT , HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.									
GPS STANDARD INSTRUMENT APPROACH PROCEDURE																			
FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.33																			
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 26 MAY 2016																			
CITY AND STATE		ELEVATION: 775		TDZE:		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP							
BURBANK, CA		AIRPORT NAME:				GPS		GPS-A, ORIG-B, 07/24/2014				AMDT ORIG-A							
		BOB HOPE										DATE 11/26/13							



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: 5.41 MILES AFTER BUDDIE OM/INT CLIMB TO 1800 THEN CLIMBING RIGHT TURN TO 4600 ON HEADING 210 AND VTU VOR/DME R-086 TO VTU VOR/DME AND HOLD, OR AS DIRECTED BY ATC. ALTERNATE MA: CLIMB TO 1800 THEN CLIMBING RIGHT TURN TO 4000 ON HEADING 210 AND SMO VOR/DME R-311 TO SILEX INT/VNY 6.12 DME AND HOLD. ADDITIONAL FLIGHT DATA: HOLD NW, LT, 130.63 INBOUND. CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD SW SILEX INT/VNY 6.12 DME, RT, 062.37 INBOUND. CHART FAS OBST: 901 TREE 341234N/1182750W CHART CIRCLING ICON. CHART VAN NUYS AIRPORT CHART MANDATORY 3000* AT BUDDIE OM. CHART IN PLANVIEW AND PROFILE VIEW: (CFBXN) AT 341153.12N/1182256.63W					
LAX VORTAC		SILEX INT/VNY 6.12 DME		315.89 / 18.38				4600							
SMO VOR/DME		SILEX INT/VNY 6.12 DME		311.01 / 13.79				4400							
VNY VOR/DME		SILEX INT/VNY 6.12 DME		242.37 / 6.12				4400							
FIM VORTAC (IAF)		TOAKS INT/VTU 14.47 DME (NOPT)		136.00 / 10.54 (VNY LR-257)				4400							
VTU VOR/DME (IAF)		TOAKS INT/VTU 14.47 DME (NOPT)		053.65 / 14.47 (VNY LR-248)				4600							
TOAKS INT/VTU 14.47 DME (IAF)		SILEX INT/VNY 6.12 DME (NOPT)		078.93 / 8.31 (I-BUR)				3700							
SILEX INT/VNY 6.12 DME (IF/IAF)		BUDDIE OM/INT		078.93 / 6.00 (I-BUR)				3000*							
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD W SILEX, RT, 078.93 INBOUND, 4000 FT. IN LIEU OF PT (IAF) 3. FAC: 078.93 FAF: BUDDIE OM/INT DIST FAF TO MAP: 5.41 THLD: 6.07 4. MIN. ALT: SILEX 3700, BUDDIE OM 3000* 5. DIST TO THLD FROM OM: 6.07 MM: - IM: - 150 HAT: - 100 HAT: - GS ANT: 1226 6. MIN GS INCPT: 3000 GS ALT AT: - OM: 2753 MM: - IM: - 7. GS ANGLE: 3.00 TCH: 60.0 8. MSA FROM: VNY VOR/DME 005-095 9300, 095-185 4400, 185-275 4700, 275-005 7300										MAG VAR: 12E		EPOCH YEAR: 2020			
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 08	1555	2 1/2	828	1555	2 1/2	828	1555	2 1/2	828	1555	2 1/2	828			
S-LOC 08	1620	5000	893	1620	5000	893	1620	2	893	1620	2	893			
CIRCLING	1620	1 1/4	842	1640	1 1/4	862	2240	3	1462	2320	3	1542			
NOTES: CHART NOTE: AUTOPILOT COUPLED APPROACH NA BELOW 1027. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW RVR 5000 NOT AUTHORIZED. *LOC ONLY CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON FIM VORTAC AIRWAY RADIALS 087 CW 148. (CONTINUED ON PAGE 2)															
CITY AND STATE		ELEVATION: 778 TDZE: 727		FACILITY IDENTIFIER: I-BUR		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:						SUP: LOC Y RWY 8			
BURBANK, CA		AIRPORT NAME:		BOB HOPE		ILS Y OR LOC Y RWY 8, AMDT 5 26 MAY 2016						AMDT: 4A			
												DATED 07/24/2014			



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

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

NOTES, (CONT.):

CHART NOTE: LOCALIZER UNUSABLE WITHIN 0.5 NM TO THLD.

CHART NOTE: NIGHT LANDING: RWY 26 NA.

CHART NOTE: NIGHT LANDING: RWY 8, 33 OPERATIONAL VGSI REQUIRED. REMAIN ON OR ABOVE VGSI GLIDEPATH UNTIL THRESHOLD.

CHART NOTE: CIRCLING NA FOR CATS A/B/C NE OF RWY 15 AND 26.

CHART NOTE: CIRCLING NA FOR CAT D EAST OF RWY 15-33.

CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT (VGSI ANGLE {angle}/TCH {feet}).

CHART NOTE: FOR INOPERATIVE MALSR, INCREASE S-ILS 8 ALL CATS VISIBILITY TO 3 MILES AND S-LOC 8

CATS A/B VISIBILITY TO RVR 6000.

QUALITY
6
CHECKED

CITY AND STATE

BURBANK, CA

ELEVATION: 778

TDZE: 727

AIRPORT NAME:

BOB HOPE

FACILITY
IDENTIFIER:

I-BUR

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

ILS Y OR LOC Y RWY 8, AMDT 5

26 MAY 2016

SUP: LOC Y RWY 8

AMDT: 4A

DATED: 07/24/2014

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.29

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

ARINC SUMMARY - KBUR

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
FIM	010	FIM	IF	FB										V A
FIM	020	TOAKS	TF	FB								AA 04400		E
FIM	030	SILEX	CF	FB		078.9	IBUR					AA 03700		EE B
LAX	010	LAX	IF	FB										V
LAX	020	SILEX	TF	FO								AA 04600		EY
LAX	030	SILEX	HF	FO		078.9	IBUR		R			AA 04000		EE A
SMO	010	SMO	IF	FB										V
SMO	020	SILEX	TF	FO								AA 04400		EY
SMO	030	SILEX	HF	FO		078.9	IBUR		R			AA 04000		EE A
TOAKS	010	TOAKS	IF	FB										E A
TOAKS	020	SILEX	CF	FB		078.9	IBUR					AA 03700		EE B
VNY	010	VNY	IF	FB										V
VNY	020	SILEX	TF	FO								AA 04400		EY
VNY	030	SILEX	HF	FO		078.9	IBUR		R			AA 04000		EE A
VTU	010	VTU	IF	FB										V A
VTU	020	TOAKS	TF	FB								AA 04600		E
VTU	030	SILEX	CF	FB		078.9	IBUR					AA 03700		EE B
	010	SILEX	IF	FB			IBUR					AA 03700 GI 03000		E I
	020	BUDDE	CF	FB		079.0	IBUR	3.00		VNY		GI 03000 GS 02753		E F
	030	RW08	CF	FO		079.0	IBUR	3.00				AT 00787		GY M
	040		CA	FB		078.9						AA 01800		M
	050		VI	FB		210.0			R					
	060	VTU	CF	FO		266.0	VTU					AA 04600		VY
	070	VTU	HM	FO		130.6			L			AA 04600		VE

POINTS

POINT NAME	LATITUDE	LONGITUDE
FIM	N342124.10	W1185252.65
LAX	N335559.33	W1182555.24
SMO	N340036.88	W1182724.18
VNY	N341324.46	W1182930.02
VTU	N340654.21	W1190258.17
SILEX	N341203.81	W1183641.89
TOAKS	N341209.92	W1184643.03
BUDDE	N341158.18	W1182927.93
IBUR (LOC)	N341152.64	W1182220.92

QUALITY
15
CHECKED

CITY AND STATE

BURBANK, CA

ELEVATION: 778

TDZE: 727

AIRPORT NAME:

BOB HOPE

FACILITY
IDENTIFIER:

I-BUR

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:

ILS Y OR LOC Y RWY 8, AMDT 5

26 MAY 2016

SUP:

LOC Y RWY 8

AMDT:

4A

DATED:

07/24/2014

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.29

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RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW08	N341152.48	W1182208.91	00727	60

QUALITY
15
CHECKED

CITY AND STATE
BURBANK, CA

ELEVATION: 778 TDZE: 727
AIRPORT NAME:
BOB HOPE

FACILITY
IDENTIFIER:
I-BUR

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
ILS Y OR LOC Y RWY 8, AMDT 5
26 MAY 2016

SUP: LOC Y RWY 8
AMDT: 4A
DATED: 07/24/2014

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

LOC STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.25

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

ARINC SUMMARY - KBUR

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
FIM	010	FIM	IF	FB										V A
FIM	020	TOAKS	TF	FB								AA 04400		E
FIM	030	SILEX	CF	FB		078.9	IBUR					AA 03700		EE B
LAX	010	LAX	IF	FB										V
LAX	020	SILEX	TF	FO								AA 04600		EY
LAX	030	SILEX	HF	FO		078.9	IBUR		R			AA 04000		EE A
SMO	010	SMO	IF	FB										V
SMO	020	SILEX	TF	FO								AA 04400		EY
SMO	030	SILEX	HF	FO		078.9	IBUR		R			AA 04000		EE A
TOAKS	010	TOAKS	IF	FB										E A
TOAKS	020	SILEX	CF	FB		078.9	IBUR					AA 03700		EE B
VNY	010	VNY	IF	FB										V
VNY	020	SILEX	TF	FO								AA 04400		EY
VNY	030	SILEX	HF	FO		078.9	IBUR		R			AA 04000		EE A
VTU	010	VTU	IF	FB										V A
VTU	020	TOAKS	TF	FB								AA 04600		E
VTU	030	SILEX	CF	FB		078.9	IBUR					AA 03700		EE B
	010	SILEX	IF	FB			IBUR					AA 03700		E I
	020	BUDDE	CF	FB		079.0	IBUR			VNY		AT 03000		E F
	030	CFBXN	CF	FO		079.0	IBUR	3.44				AT 01028		EY M
	040		CA	FB		078.9						AA 01800		M
	050		VI	FB		210.0			R					
	060	VTU	CF	FO		266.0	VTU					AA 04600		VY
	070	VTU	HM	FO		130.6			L			AA 04600		VE

POINTS

POINT NAME	LATITUDE	LONGITUDE
FIM	N342124.10	W1185252.65
LAX	N335559.33	W1182555.24
SMO	N340036.88	W1182724.18
VNY	N341324.46	W1182930.02
VTU	N340654.21	W1190258.17
SILEX	N341203.81	W1183641.89
TOAKS	N341209.92	W1184643.03
BUDDE	N341158.18	W1182927.93
CFBXN	N341153.12	W1182256.63

QUALITY
15
CHECKED

CITY AND STATE

BURBANK, CA

ELEVATION: 778

TDZE: 727

AIRPORT NAME:

BOB HOPE

FACILITY
IDENTIFIER:

I-BUR

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:

ILS Y OR LOC Y RWY 8, AMDT 5

26 MAY 2016

SUP:

LOC Y RWY 8

AMDT:

4A

DATED:

7/24/2014

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.	
LOC STANDARD INSTRUMENT APPROACH PROCEDURE					
FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.25					
IBUR (LOC)		N341152.64	W1182220.92		
RUNWAYS					
RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH	
RW08	N341152.48	W1182208.91	00727	60	
CITY AND STATE BURBANK, CA		ELEVATION: 778 AIRPORT NAME: BOB HOPE	TDZE: 727 FACILITY IDENTIFIER: I-BUR	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: ILS Y OR LOC Y RWY 8, AMDT 5 26 MAY 2016	
				SUP: LOC Y RWY 8	
				AMDT: 4A	
				DATED: 7/24/2014	



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: 5.41 MILES AFTER BUDDIE OM/INT									
LAX VORTAC			SILEX INT/VNY 6.12 DME			315.89 / 18.38			4600			CLIMB TO 1300 THEN CLIMBING RIGHT TURN TO 4600 ON HEADING 210 AND VTU VOR/DME R-086 TO VTU VOR/DME AND HOLD. MISSED APPROACH REQUIRES MINIMUM CLIMB OF 340 FEET PER NM TO 2520 (IF UNABLE TO MEET CLIMB GRADIENT, SEE ILS Y OR LOC Y RWY 8), OR AS DIRECTED BY ATC. (SEE FORM 8260-10)									
SMO VOR/DME			SILEX INT/VNY 6.12 DME			311.01 / 13.79			4400												
VNY VOR/DME			SILEX INT/VNY 6.12 DME			242.37 / 6.12			4400												
FIM VORTAC (IAF)			TOAKS INT/VTU 14.47 DME (NOPT)			136.00 / 10.54 (VNY LR-257)			4400												
VTU VOR/DME (IAF)			TOAKS INT/VTU 14.47 DME (NOPT)			053.65 / 14.47 (VNY LR-248)			4600			ADDITIONAL FLIGHT DATA: HOLD NW, LT, 130.63 INBOUND. CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD SW SILEX INT/VNY 6.12 DME, RT, 062.37 INBOUND. CHART FAS OBST: 901 TREE 341234N/1182750W CHART MANDATORY 3000* AT BUDDIE OM. CHART CIRCLING ICON. CHART: VAN NUYS AIRPORT (KVNY) CHART IN PLANVIEW AND PROFILE VIEW: (CFBXN) AT 341153.12N/1182256.63W									
TOAKS INT/VTU 14.47 DME (IAF)			SILEX INT/VNY 6.12 DME (NOPT)			078.93 / 8.31 (I-BUR)			3700												
SILEX INT/VNY 6.12 DME (IF/IAF)			BUDDIE OM/INT			078.93 / 6.00 (I-BUR)			3000*												
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)																					
2. HOLD W SILEX, RT, 078.93 INBOUND, 4000 FT. IN LIEU OF PT (IAF)																					
3. FAC: 078.93 FAF: BUDDIE OM/INT DIST FAF TO MAP: 5.41 THLD: 6.07																					
4. MIN. ALT: SILEX 3700, BUDDIE OM 3000*																					
5. DIST TO THLD FROM OM: - MM: - IM: - 150 HAT: - 100 HAT: - GS ANT: 1226																					
6. MIN GS INCPT: 3000 GS ALT AT: - OM: 2753 MM: - IM: -																					
7. GS ANGLE: 3.00 TCH: 60.0																					
8. MSA FROM: VNY VOR/DME 005-095 9300, 095-185 4400, 185-275 4700, 275-005 7300																					
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 08	1007	5000	280	1007	5000	280	1007	5000	280	1007	5000	280									
S-LOC 08	1160	5000	433	1160	5000	433	1160	5000	433	1160	5000	433									
CIRCLING	1240	1	462	1640	1 1/4	862	2240	3	1462	2320	3	1542									
NOTES: CHART NOTE: AUTOPILOT COUPLED APPROACH NA BELOW 1027. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW RVR 5000 NOT AUTHORIZED. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON FIM VORTAC AIRWAY RADIALS 087 CW 148. *LOC ONLY (CONTINUED ON PAGE 2)																					
CITY AND STATE BURBANK, CA		ELEVATION: 778 TDZE: 727 AIRPORT NAME: BOB HOPE			FACILITY IDENTIFIER: I-BUR		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS Z OR LOC Z RWY 8, AMDT 38 26 MAY 2016						SUP: ILS OR LOC Z RWY 8 AMDT: 37A DATED 07/24/2014								

#@ NA WHEN TOWER CLOSED.
CAT B 900-2, CAT C 1500-3, CAT D 1600-3
@ CAT B 900-2, CAT C 1500-3, CAT D 1600-3



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

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MISSED APPROACH INSTRUCTIONS, (CONT.):

ALTERNATE MA: CLIMB TO 1300 THEN CLIMBING RIGHT TURN TO 4000 ON HEADING 210 AND SMO VOR/DME R-311 TO SILEX INT/VNY 6.12 DME AND HOLD. MISSED APPROACH REQUIRES MINIMUM CLIMB OF 340 FEET PER NM TO 2520 (IF UNABLE TO MEET CLIMB GRADIENT, SEE ILS Y OR LOC Y RWY 8).

NOTES, (CONT.):

CHART NOTE: LOCALIZER UNUSABLE WITHIN 0.5 NM TO THLD.

CHART NOTE: NIGHT LANDING: RWY 26 NA.

CHART NOTE: NIGHT LANDING: RWY 8, 33 OPERATIONAL VGSI REQUIRED. REMAIN ON OR ABOVE VGSI GLIDEPATH UNTIL THRESHOLD.

CHART NOTE: CIRCLING NA FOR CATS A/B/C NE OF RWY 15 AND 26.

CHART NOTE: CIRCLING NA FOR CAT D EAST OF RWY 15-33.

CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT (VGSI ANGLE {angle}/TCH {feet}).

CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO S-ILS 8 ALL CATS AND S-LOC 8 CATS A/B.

CHART NOTE: FOR INOPERATIVE MALSR, INCREASE S-LOC 8 CATS C/D VISIBILITY TO 1 1/4 MILE.

QUALITY
6
CHECKED

CITY AND STATE

BURBANK, CA

ELEVATION: 778

TDZE: 727

AIRPORT NAME:

BOB HOPE

FACILITY
IDENTIFIER:

I-BUR

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

ILS Z OR LOC Z RWY 8, AMDT 38

26 MAY 2016

SUP: ILS OR LOC Z RWY
8

AMDT: 37A

DATED: 07/24/2014

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.29

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

ARINC SUMMARY - KBUR

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
FIM	010	FIM	IF	FB										V A
FIM	020	TOAKS	TF	FB								AA 04400		E
FIM	030	SILEX	CF	FB		078.9	IBUR					AA 03700		EE B
LAX	010	LAX	IF	FB										V
LAX	020	SILEX	TF	FO								AA 04600		EY
LAX	030	SILEX	HF	FO		078.9	IBUR		R			AA 04000		EE A
SMO	010	SMO	IF	FB										V
SMO	020	SILEX	TF	FO								AA 04400		EY
SMO	030	SILEX	HF	FO		078.9	IBUR		R			AA 04000		EE A
TOAKS	010	TOAKS	IF	FB										E A
TOAKS	020	SILEX	CF	FB		078.9	IBUR					AA 03700		EE B
VNY	010	VNY	IF	FB										V
VNY	020	SILEX	TF	FO								AA 04400		EY
VNY	030	SILEX	HF	FO		078.9	IBUR		R			AA 04000		EE A
VTU	010	VTU	IF	FB										V A
VTU	020	TOAKS	TF	FB								AA 04600		E
VTU	030	SILEX	CF	FB		078.9	IBUR					AA 03700		EE B
	010	SILEX	IF	FB			IBUR					AA 03700 GI 03000		E I
	020	BUDDE	CF	FB		079.0	IBUR	3.00		VNY		GI 03000 GS 02753		E F
	030	RW08	CF	FO		079.0	IBUR	3.00				AT 00787		GY M
	040		CA	FB		078.9						AA 01300		M
	050		VI	FB		210.0			R					
	060	VTU	CF	FO		266.0	VTU					AA 04600		VY
	070	VTU	HM	FO		130.6			L			AA 04600		VE

POINTS

POINT NAME	LATITUDE	LONGITUDE
FIM	N342124.10	W1185252.65
LAX	N335559.33	W1182555.24
SMO	N340036.88	W1182724.18
VNY	N341324.46	W1182930.02
VTU	N340654.21	W1190258.17
SILEX	N341203.81	W1183641.89
TOAKS	N341209.92	W1184643.03
BUDDE	N341158.18	W1182927.93
IBUR (LOC)	N341152.64	W1182220.92

QUALITY
15
CHECKED

CITY AND STATE

BURBANK, CA

ELEVATION: 778

TDZE: 727

AIRPORT NAME:

BOB HOPE

FACILITY
IDENTIFIER:

I-BUR

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:

ILS Z OR LOC Z RWY 8, AMDT 38

26 MAY 2016

SUP: ILS OR LOC Z RWY 8

AMDT: 37A

DATED: 07/24/2014

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.29

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

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW08	N341152.48	W1182208.91	00727	60.0

QUALITY
15
CHECKED

CITY AND STATE
BURBANK, CA

ELEVATION: 778 TDZE: 727
AIRPORT NAME:
BOB HOPE

FACILITY
IDENTIFIER:
I-BUR

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
ILS Z OR LOC Z RWY 8, AMDT 38
26 MAY 2016

SUP: ILS OR LOC Z RWY 8
AMDT: 37A
DATED: 07/24/2014

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

LOC STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.25

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

ARINC SUMMARY - KBUR

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
FIM	010	FIM	IF	FB										V A
FIM	020	TOAKS	TF	FB								AA 04400		E
FIM	030	SILEX	CF	FB		078.9	IBUR					AA 03700		EE B
LAX	010	LAX	IF	FB										V
LAX	020	SILEX	TF	FO								AA 04600		EY
LAX	030	SILEX	HF	FO		078.9	IBUR		R			AA 04000		EE A
SMO	010	SMO	IF	FB										V
SMO	020	SILEX	TF	FO								AA 04400		EY
SMO	030	SILEX	HF	FO		078.9	IBUR		R			AA 04000		EE A
TOAKS	010	TOAKS	IF	FB										E A
TOAKS	020	SILEX	CF	FB		078.9	IBUR					AA 03700		EE B
VNY	010	VNY	IF	FB										V
VNY	020	SILEX	TF	FO								AA 04400		EY
VNY	030	SILEX	HF	FO		078.9	IBUR		R			AA 04000		EE A
VTU	010	VTU	IF	FB										V A
VTU	020	TOAKS	TF	FB								AA 04600		E
VTU	030	SILEX	CF	FB		078.9	IBUR					AA 03700		EE B
	010	SILEX	IF	FB			IBUR					AA 03700		E I
	020	BUDDE	CF	FB		079.0	IBUR			VNY		AT 03000		E F
	030	CFBXN	CF	FO		079.0	IBUR	3.44				AT 01028		EY M
	040		CA	FB		078.9						AA 01300		M
	050		VI	FB		210.0			R					
	060	VTU	CF	FO		266.0	VTU					AA 04600		VY
	070	VTU	HM	FO		130.6			L			AA 04600		VE

POINTS

POINT NAME	LATITUDE	LONGITUDE
FIM	N342124.10	W1185252.65
LAX	N335559.33	W1182555.24
SMO	N340036.88	W1182724.18
VNY	N341324.46	W1182930.02
VTU	N340654.21	W1190258.17
SILEX	N341203.81	W1183641.89
TOAKS	N341209.92	W1184643.03
BUDDE	N341158.18	W1182927.93
CFBXN	N341153.12	W1182256.63

QUALITY
15
CHECKED

CITY AND STATE

BURBANK, CA

ELEVATION: 778

TDZE: 727

AIRPORT NAME:

BOB HOPE

FACILITY
IDENTIFIER:

I-BUR

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:

ILS Z OR LOC Z RWY 8, AMDT 38

26 MAY 2016

SUP: ILS OR LOC Z RWY 8

AMDT: 37A

DATED: 07/24/2014

FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.25

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		MAP: IGAXY							
VAZCU (IAF)		CEZKA (FB)		101.82 / 5.02				5200		CLIMBING RIGHT TURN TO 4600 DIRECT COTSI AND ON TRACK 263.33 TO VTU VOR/DME AND HOLD.							
SAUGS (IAF)		CEZKA (FB)		210.41 / 8.39				5200									
CEZKA (IF)		SUMXY (FB)		124.09 / 8.00				4100									
SUMXY (FAF)		IGAXY (MAP) (FO)		124.09 / 7.43													
IGAXY (MAP)		1178 MSL		124.09						ADDITIONAL FLIGHT DATA: HOLD NW, LT, 130.63 INBOUND. CHART FAS OBST: 1183 STACK 341440N/1182334W CHART: 1534 TOWER 341703N/1182822W CHART CIRCLING ICON.							
1178 MSL		COTSI (FB)															
COTSI		VTU VOR/DME (FO)		263.33 / 29.41				4600									
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)																	
2. PROFILE STARTS AT CEZKA																	
3. FAC: 124.09 FAF: SUMXY DIST FAF TO MAP: 7.43 THLD: _____																	
4. MIN. ALT: CEZKA 5200, SUMXY 4100																	
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: IGAXY 10100																	
MAG VAR: 12E EPOCH YEAR: 2020																	
MINIMUMS																	
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT										ALTERNATE: N A		@					
CATEGORY =====>		A		B		C		D		E							
		DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	
CIRCLING		1640	1 1/4	862	1640	1 1/4	862	2240	3	1462	2320	3	1542				
NOTES: CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: CIRCLING NA FOR CATS A/B/C NE OF RWY 15 AND 26. CHART NOTE: CIRCLING NA FOR CAT D E OF RWY 15-33. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. (CONTINUED ON PAGE 2)																	
CITY AND STATE BURBANK, CA		ELEVATION: 778 AIRPORT NAME: BOB HOPE		TDZE:		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS)-A, ORIG 26 MAY 2016						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.

NOTES, (CONT.):

CHART NOTE: NIGHT LANDING: RWY 26 NA.

CHART NOTE: NIGHT LANDING: RWY 8, 33 OPERATIONAL VGSI REQUIRED. REMAIN ON OR ABOVE VGSI GLIDEPATH UNTIL THRESHOLD.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT SAUGS ON V459 NORTHWEST BOUND, V165 NORTHBOUND, AND V386 NORTHEAST BOUND.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT VAZCU ON V23 NORTHWEST BOUND AND V386 SOUTHWEST BOUND.

QUALITY
14
CHECKED

CITY AND STATE BURBANK, CA	ELEVATION: 778 AIRPORT NAME: BOB HOPE	TDZE:	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS)-A, ORIG 26 MAY 2016	SUP:
					AMDT: NONE
					DATED:

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 - KBUR

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
SAUGS	010	SAUGS	IF	FB										E A
SAUGS	020	CEZKA	TF	FB	1.0	210.4						AA 05200		EE B
VAZCU	010	VAZCU	IF	FB										E A
VAZCU	020	CEZKA	TF	FB	1.0	101.8						AA 05200		EE B
	010	CEZKA	IF	FB								AA 05200		E I
	020	SUMXY	TF	FB	1.0	124.1				IGAXY		AA 04100		E F
	030	IGAXY	TF	FO	0.3	124.1		0.00				AT 02320		EY M
	040	CA	FB			124.1						AA 01178		M
	050	COTSI	DF	FB					R					E
	060	VTU	TF	FO	1.0	263.3						AA 04600		VY
	070	VTU	HM	FO		130.6			L			AA 04600		VE

POINTS

POINT NAME	LATITUDE	LONGITUDE
VTU	N340654.21	W1190258.17
CEZKA	N342335.04	W1183454.20
COTSI	N340415.10	W1182742.37
IGAXY	N341226.74	W1182159.76
SAUGS	N342947.69	W1182803.80
SUMXY	N341748.47	W1182812.37
VAZCU	N342537.04	W1184027.26

QUALITY
14
CHECKED

CITY AND STATE BURBANK, CA	ELEVATION: 778	TDZE:	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS)-A, ORIG 26 MAY 2016	SUP:
	AIRPORT NAME: BOB HOPE				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: HIMEN LNAV: HIMEN CLIMBING RIGHT TURN TO 4600 DIRECT COTSI AND ON TRACK 263.33 TO VTU VOR/DME AND HOLD. ADDITIONAL FLIGHT DATA: HOLD NW, LT, 130.63 INBOUND. CHART FAS OBST: 894 T-L TWR 341208N/1182323W CHART FAS OBST: 901 TREE 341234N/1182750W WAAS CHANNEL # 53638 REFERENCE PATH ID: W08A BUBNE TO RW08: 3.00/60. CHART CIRCLING ICON. CHART VAN NUYS AIRPORT (KVNY) LTP HAE: 187.3 M							
FIM VORTAC (IAF)		TOAKS (FB)		139.00 / 10.54				4600									
VTU VOR/DME (IAF)		TOAKS (FB)		056.65 / 14.47				4600									
TOAKS		SILEX (FB)		078.65 / 8.31				4100									
SILEX (IF/IAF)		BUBNE (FB)		078.87 / 5.12				3000									
BUBNE (FAF)		HIMEN (MAP) (FO)		078.85 / 5.65													
HIMEN (MAP)		1178 MSL		078.85						MAG VAR: 12E EPOCH YEAR: 2020							
1178 MSL		COTSI (FB)															
COTSI		VTU VOR/DME (FO)		263.33 / 29.41				4600									
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD W SILEX, RT, 078.87 INBOUND, 4100 FT. IN LIEU OF PT (IAF) 3. FAC: 078.85 FAF: BUBNE DIST FAF TO MAP: 5.65 THLD: 6.95 4. MIN. ALT: SILEX 4100, BUBNE 3000 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: HIMEN 9500																	
MINIMUMS																	
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT										ALTERNATE: N A						@	
CATEGORY =====>		A			B			C			D			E			
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA		
LP MDA	1540	6000	813	1540	6000	813	1540	1 7/8	813	1540	1 7/8	813					
LNAV MDA	1640	6000	913	1640	6000	913	1640	2	913	1640	2	913					
CIRCLING	1640	1 1/2	862	1640	1 1/2	862	2240	3	1462	2320	3	1542					
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/B/C NE OF RWY 15 AND 26. CHART NOTE: CIRCLING NA FOR CAT D E OF RWY 15-33. (CONTINUED ON PAGE 2)																	
CITY AND STATE		ELEVATION: 778 TDZE: 727		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP: RNAV (GPS) X RWY 8							
BURBANK, CA		AIRPORT NAME: BOB HOPE				RNAV (GPS) Z RWY 8, AMDT 1				AMDT: ORIG-E							
						26 MAY 2016				DATED 07/24/2014							



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 NOTE: HELICOPTER VISIBILITY REDUCTION BELOW RVR 5000 NOT AUTHORIZED.

CHART NOTE: NIGHT LANDING: RWY 26 NA.

CHART NOTE: NIGHT LANDING: RWY 8, 33 OPERATIONAL VGSI REQUIRED. REMAIN ON OR ABOVE VGSI GLIDEPATH UNTIL THRESHOLD.

CHART NOTE: FOR INOPERATIVE MALSR, INCREASE LP CAT A/B VISIBILITY TO 1 1/2 MILE, AND CAT C/D VISIBILITY TO 2 1/2 MILE.

CHART NOTE: FOR INOPERATIVE MALSR, INCREASE LNAV CAT A/B VISIBILITY TO 1 1/2 MILE.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON FIM VORTAC AIRWAY RADIALS 053 CW 195.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON VTU VOR/DME AIRWAY RADIALS 015 CW 129.

QUALITY
14
CHECKED

CITY AND STATE

BURBANK, CA

ELEVATION: 778

TDZE: 727

AIRPORT NAME:

BOB HOPE

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) Z RWY 8, AMDT 1
26 MAY 2016

SUP: RNAV (GPS) X RWY
8

AMDT: ORIG-E

DATED: 07/24/2014

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.



CITY AND STATE BURBANK, CA	ELEVATION: 778 TDZE: 727 AIRPORT NAME: BOB HOPE	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) Z RWY 8, AMDT 1 26 MAY 2016	SUP: RNAV (GPS) X RWY 8
				AMDT: ORIG-E
				DATED: 07/24/2014

**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	KBUR
RUNWAY	RW08
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	Z
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W08A
LTP/FTP LATITUDE	341152.4795N
LTP/FTP LONGITUDE	1182208.9140W
LTP/FTP ELLIPSOIDAL HEIGHT	+01873
FPAP LATITUDE	341151.0210N
FPAP LONGITUDE	1182021.5105W
THRESHOLD CROSSING HEIGHT (TCH)	00060.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0984
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	0.0

CRC REMAINDER

7D1D2112

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K2
LTP ORTHOMETRIC HEIGHT	+02217
FPAP ORTHOMETRIC HEIGHT	+02217

QUALITY
14
CHECKED

CITY AND STATE

BURBANK, CA

ELEVATION: 778

TDZE: 727

AIRPORT NAME:

BOB HOPE

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) Z RWY 8, AMDT 1

26 MAY 2016

SUP: RNAV (GPS) X RWY
8

AMDT: ORIG-E

DATED: 07/24/2014

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 - KBUR

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
FIM	010	FIM	IF	FB										V A
FIM	020	TOAKS	TF	FB	1.0	139.0						AA 04600		E
FIM	030	SILEX	TF	FB	1.0	078.7						AA 04100		EE B
SILEX	010	SILEX	HF	FO		078.9			R			AA 04100		EE A
VTU	010	VTU	IF	FB										V A
VTU	020	TOAKS	TF	FB	1.0	056.7						AA 04600		E
VTU	030	SILEX	TF	FB	1.0	078.7						AA 04100		EE B
	010	SILEX	IF	FB								AA 04100		E I
	020	BUBNE	TF	FB	1.0	078.9				HIMEN		AA 03000		E F
	030	HIMEN	TF	FO	0.3	078.9		3.00				AT 01201		EY M
	040		CA	FB		078.9						AA 01178		M
	050	COTSI	DF	FB					R					E
	060	VTU	TF	FO	1.0	263.3						AA 04600		VY
	070	VTU	HM	FO		130.6			L			AA 04600		VE

POINTS

POINT NAME	LATITUDE	LONGITUDE
FIM	N342124.10	W1185252.65
VTU	N340654.21	W1190258.17
BUBNE	N341158.97	W1183031.43
COTSI	N340415.10	W1182742.37
HIMEN	N341153.74	W1182342.94
SILEX	N341203.81	W1183641.89
TOAKS	N341209.92	W1184643.03

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW08	N341152.48	W1182208.91	00727	60

QUALITY
14
CHECKED

CITY AND STATE BURBANK, CA	ELEVATION: 778 TDZE: 727		FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) Z RWY 8, AMDT 1 26 MAY 2016	SUP: RNAV (GPS) X RWY
	AIRPORT NAME: BOB HOPE				8
					AMDT: ORIG-E
					DATED: 07/24/2014

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION							RNAV (RNP) - STANDARD, INSTRUMENT APPROACH PROCEDURE, TITLE 14 CFR PART 97.33									Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.					
TERMINAL ROUTES												MISSED APPROACH									
FROM			TO			COURSE AND DISTANCE			ALTITUDE			RNP: DA									
PUCCK (IAF)			UMBER (TF) (FB) (RNP 1.00)			213.25 / 5.85			7000			CLIMB TO 1200 THEN CLIMBING RIGHT TURN TO 4600 DIRECT COTSI AND ON TRACK 263.33 TO VTU VOR/DME.									
UMBER			WEDUG (TF) (FB) (RNP 1.00)			186.34 / 9.27			5500												
WEDUG			NIBYI (TF) (FB) (RNP 1.00)			164.34 / 2.95			5200												
NIBYI			ZEMEP (TF) (FB) (RNP 1.00)			164.35 / 2.50			4000												
ZEMEP			HIMVI (RF) (FB) (RNP 1.00)			(2.74 NM RADIUS CCW (CFCDJ))/2.78			3000			ADDITIONAL FLIGHT DATA: HOLD NW, LT, 130.63 INBOUND. DISTANCE TO THLD FROM 326 HAT: 0.83 NM. ROUTE TYPE: A, H ROUTE TYPE QUALIFIER1: F ROUTE TYPE QUALIFIER2: S #TCH 787.4 MSL (DO NOT CHART) CHART MANDATORY 8000 AT PUCCK. CHART MINIMUM 7000 AT FIM VORTAC.									
(SEE FORM 8260-10)																					
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)																					
2. PROFILE STARTS AT YEBUN																					
3. FAC: 078.86 FAF: _____ DIST FAF TO MAP: _____ THLD: _____																					
4. MIN. ALT: YEBUN 3000, WESKI 2700																					
5. DIST TO THLD FROM OM: 6.01 MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____																					
6. MIN GS INCPT: 2700 GS ALT AT: WESKI 2700 OM: _____ MM: _____ IM: _____																					
7. GS ANGLE: 3.00 TCH: 60.0# 34:1 IS NOT CLEAR																					
8. MSA FROM: RW08 9900																					
												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						
AUTHORIZATION REQUIRED																					
RNP 0.20 DA*	1053	5000	326	1053	5000	326	1053	5000	326	1053	5000	326									
RNP 0.30 DA**	1149	5000	422	1149	5000	422	1149	5000	422	1149	5000	422									
RNP 0.30 DA	1435	2	708	1435	2	708	1435	2	708	1435	2	708									
NOTES: CHART NOTE: *MISSED APPROACH REQUIRES MINIMUM CLIMB OF 325 FEET PER NM TO 2400. CHART NOTE: **MISSED APPROACH REQUIRES MINIMUM CLIMB OF 303 FEET PER NM TO 2400. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW 2C (36F) OR ABOVE 54C (130F). CHART PLANVIEW NOTE ADJACENT TO PUCKK (IAF) AND FIM VORTAC (IAF): RF REQUIRED. (CONTINUED ON PAGE 2)																					
CITY AND STATE BURBANK, CA				ELEVATION: 778 TDZE: 727 AIRPORT NAME: BOB HOPE				FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (RNP) Y RWY 8, AMDT 1 26 MAY 2016						SUP: AMDT: ORIG-A DATED 07/24/2014					



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

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet 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
FIM VORTAC (IAF)	ULOXY (TF) (FB) (RNP 1.00)	105.96 / 15.30	4400
ULOXY	HIMVI (TF) (FB) (RNP 1.00)	106.10 / 4.00	3000
HIMVI	YEBUN (RF) (FB) (RNP 1.00)	(2.74 NM RADIUS CCW (CFCDJ))/1.31	3000
TOAKS (IAF)	SILEX (TF) (FB) (RNP 1.00)	078.65 / 8.31	4000
SILEX	YEBUN (TF) (FB) (RNP 1.00)	078.88 / 4.88	3000
YEBUN (IF)	WESKI (TF) (FB) (RNP 1.00)	078.84 / 1.18	2700
WESKI (FAF)	RW08 (MAP) (TF) (FO)	078.86 / 6.01	
RW08 (MAP)	1200 MSL (CA)	078.86	1200
1200 MSL	COTSI (DF) (FB)		
COTSI	VTU VOR/DME (TF) (FO) (RNP 1.00)	263.33 / 29.41	4600

NOTES, (CONT.):

CHART NOTE: GPS REQUIRED.

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

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON FIM VORTAC AIRWAY RADIALS 053 CW 148.

CHART NOTE: FOR INOPERATIVE MALSR, INCREASE RNP 0.30 ALL CATS VISIBILITY TO 1 3/8 MILE.**

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

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

CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO RNP 0.20* ALL CATS.

CHART NOTE: NIGHT LANDING: RWY 8 OPERATIONAL VGSI REQUIRED. REMAIN

ON OR ABOVE VGSI GLIDEPATH UNTIL THRESHOLD.

QUALITY
14
CHECKED

CITY AND STATE BURBANK, CA	ELEVATION: 778	TDZE: 727	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (RNP) Y RWY 8, AMDT 1 26 MAY 2016	SUP:	
	AIRPORT NAME:				AMDT:	ORIG-A
	BOB HOPE				DATED:	07/24/2014

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (RNP) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.33

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ARINC SUMMARY - KBUR

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
FIM	010	FIM	IF	FB								AA 07000		V A
FIM	020	ULOXY	TF	FB	1.0							AA 04400	AB 210	E
FIM	030	HIMVI	TF	FB	1.0							AA 03000		E
FIM	040	YEBUN	RF	FB	1.0				L	CFCDJ	02.74	AA 03000		E B
FIM	050	WESKI	TF	FB	1.0							AA 02700		EE
PUCCK	010	PUCCK	IF	FB								AT 08000		E A
PUCCK	020	UMBER	TF	FB	1.0							AA 07000		E
PUCCK	030	WEDUG	TF	FB	1.0							AA 05500	AB 210	E
PUCCK	040	NIBYI	TF	FB	1.0							AA 05200		E
PUCCK	050	ZEMEP	TF	FB	1.0							AA 04000		E
PUCCK	060	HIMVI	RF	FB	1.0				L	CFCDJ	02.74	AA 03000		E
PUCCK	070	YEBUN	RF	FB	1.0				L	CFCDJ	02.74	AA 03000		E B
PUCCK	080	WESKI	TF	FB	1.0							AA 02700		EE
TOAKS	010	TOAKS	IF	FB										E A
TOAKS	020	SILEX	TF	FB	1.0							AA 04000		E
TOAKS	030	YEBUN	TF	FB	1.0							AA 03000		E B
TOAKS	040	WESKI	TF	FB	1.0							AA 02700		EE
	020	WESKI	IF	FB						RW08		AA 02700		E F
	030	RW08	TF	FO	0.3			3.00				AT 00787		GY M
	040		CA	FB		078.9						AA 01200		M
	050	COTSI	DF	FB					R					E
	060	VTU	TF	FO	1.0							AA 04600		VY
	070	VTU	HM	FO		130.6			L			AA 04600		VE

POINTS

POINT NAME	LATITUDE	LONGITUDE
FIM	N342124.10	W1185252.65
VTU	N340654.21	W1190258.17
PUCCK	N343257.00	W1182556.00
SILEX	N341203.81	W1183641.89
TOAKS	N341209.92	W1184643.03
UMBER	N342849.23	W1183057.69
CFCDJ	N341443.85	W1183046.07
COTSI	N340415.10	W1182742.37
HIMVI	N341218.64	W1183219.59
NIBYI	N341703.34	W1183415.49

QUALITY
15
CHECKED

CITY AND STATE BURBANK, CA	ELEVATION: 778 TDZE: 727	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (RNP) Y RWY 8, AMDT 1 26 MAY 2016	SUP:
	AIRPORT NAME: BOB HOPE			AMDT: ORIG-A
				DATED: 07/24/2014

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION RNAV (RNP) STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.33				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.																																																	
<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">ULOXY</td> <td style="width: 20%;">N341411.96</td> <td style="width: 20%;">W1183634.88</td> <td style="width: 20%;"></td> <td style="width: 20%;"></td> <td style="width: 20%;"></td> </tr> <tr> <td>WEDUG</td> <td>N342000.15</td> <td>W1183429.12</td> <td></td> <td></td> <td></td> </tr> <tr> <td>WESKI</td> <td>N341158.13</td> <td>W1182923.30</td> <td></td> <td></td> <td></td> </tr> <tr> <td>YEBUN</td> <td>N341159.18</td> <td>W1183048.98</td> <td></td> <td></td> <td></td> </tr> <tr> <td>ZEMEP</td> <td>N341433.41</td> <td>W1183403.97</td> <td></td> <td></td> <td></td> </tr> <tr> <td colspan="6" style="padding-top: 20px;">RUNWAYS</td> </tr> <tr> <td style="text-align: left;">RUNWAY</td> <td style="text-align: center;">THRESHOLD LATITUDE</td> <td style="text-align: center;">THRESHOLD LONGITUDE</td> <td style="text-align: center;">THRESHOLD ELEVATION</td> <td colspan="2" style="text-align: center;">PROCEDURE TCH</td> </tr> <tr> <td style="text-align: left;">RW08</td> <td style="text-align: center;">N341152.48</td> <td style="text-align: center;">W1182208.91</td> <td style="text-align: center;">00727</td> <td colspan="2" style="text-align: center;">60.0</td> </tr> </table>						ULOXY	N341411.96	W1183634.88				WEDUG	N342000.15	W1183429.12				WESKI	N341158.13	W1182923.30				YEBUN	N341159.18	W1183048.98				ZEMEP	N341433.41	W1183403.97				RUNWAYS						RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH		RW08	N341152.48	W1182208.91	00727	60.0	
ULOXY	N341411.96	W1183634.88																																																			
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CITY AND STATE BURBANK, CA		ELEVATION: 778 TDZE: 727 AIRPORT NAME: BOB HOPE		FACILITY IDENTIFIER: RNAV																																																	
PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (RNP) Y RWY 8, AMDT 1 26 MAY 2016				SUP: AMDT: ORIG-A DATED: 07/24/2014																																																	

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION		RNAV (RNP) - STANDARD, INSTRUMENT APPROACH PROCEDURE, TITLE 14 CFR PART 97.33				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet 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				DH/MDA	
NOTES:															
PROCEDURE CANCELED EFFECTIVE 26 MAY 2016															
CITY AND STATE BURBANK, CA		ELEVATION: 778 TDZE: 727 AIRPORT NAME: BOB HOPE				FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (RNP) Z RWY 8, AMDT 1A, 07/24/2014						SUP: AMDT: 1 DATED 08/25/2011	



U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION VOR STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.23								Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.									
TERMINAL ROUTES										MISSED APPROACH							
FROM		TO		COURSE AND DISTANCE				ALTITUDE		MAP: 5.50 MILES AFTER VNY VOR/DME OR AT UNCLIA/VNY 5.50 DME FIX CLIMBING RIGHT TURN TO 4600 ON HEADING 210 AND VTU VOR/DME R-086 TO VTU VOR/DME AND HOLD, OR AS DIRECTED BY ATC. ALTERNATE MA: CLIMBING RIGHT TURN TO 4000 DIRECT VNY VOR/DME THEN ON VNY R-242 TO SILEX INT/VNY 6.12 DME AND HOLD SW, RT, 062.37 INBOUND. ADDITIONAL FLIGHT DATA: HOLD NW, LT, 130.63 INBOUND. CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD SW SILEX INT/VNY 6.12 DME, RT, 062.37 INBOUND. CHART FAS OBST: 986 BLDG 341310N/1182658W CHART IN PLANVIEW: SILEX INT/VNY 6.12 DME. VNY VOR/DME TO RW8: 3.46/60. CHART CIRCLING ICON. CHART VAN NUYS AIRPORT (KVNY)							
LAX VORTAC		SUANA INT/VNY 11.40 DME		305.45 / 22.56				5100									
SMO VOR/DME		SUANA INT/VNY 11.40 DME		299.20 / 18.32				5100									
VNY VOR/DME		SUANA INT/VNY 11.40 DME		255.00 / 11.40				4600									
FIM VORTAC (IAF)		SUANA INT/VNY 11.40 DME (NOPT)		120.00 / 11.30				4400									
GINNA INT/VNY 16.94 DME (IAF)		SUANA INT/VNY 11.40 DME (NOPT)		075.00 / 5.54 (VNY R-255)				4400		ADDITIONAL FLIGHT DATA: HOLD NW, LT, 130.63 INBOUND. CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD SW SILEX INT/VNY 6.12 DME, RT, 062.37 INBOUND. CHART FAS OBST: 986 BLDG 341310N/1182658W CHART IN PLANVIEW: SILEX INT/VNY 6.12 DME. VNY VOR/DME TO RW8: 3.46/60. CHART CIRCLING ICON. CHART VAN NUYS AIRPORT (KVNY)							
VTU VOR/DME (IAF)		SUANA INT/VNY 11.40 DME (NOPT)		053.31 / 17.60				4600									
(SEE FORM 8260-10)																	
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD W SUANA, RT, 075.00 INBOUND, 4400 FT. IN LIEU OF PT (IAF) 3. FAC 089.06 FAF VNY VOR/DME _____ DIST FAF TO MAP 5.50 THLD 6.29 4. MIN. ALT SUANA 4400, CANOG 3700, VNY VOR/DME 3100 8. MSA FROM: VNY VOR/DME 005-095 9300, 095-185 4400, 185-275 4700, 275-005 7300														MAG VAR: 15E		EPOCH YEAR: 1975	
MINIMUMS																	
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT								ALTERNATE: N A		@							
CATEGORY =====>		A		B		C		D		E							
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA		
S-08	1600	5500	873	1600	6000	873	1600	2 1/2	873	1600	2 1/2	873					
CIRCLING	1600	1 1/4	822	1640	1 1/4	862	2240	3	1462	2320	3	1542					
NOTES:																	
CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON FIM VORTAC AIRWAY RADIALS 087 CW 148. CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT (VGSI ANGLE {angle}/TCH {feet}). (CONTINUED ON PAGE 2)																	
CITY AND STATE BURBANK, CA		ELEVATION: 778 AIRPORT NAME: BOB HOPE		TDZE: 727		FACILITY IDENTIFIER: VNY		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: VOR RWY 8, AMDT 12 26 MAY 2016				SUP					
												AMDT 11B					
												DATE 07/24/2014					

**VOR STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - - TITLE 14 CFR PART 97.23**

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TERMINAL ROUTES, (CONT.):

<u>FROM</u>	<u>TO</u>	<u>COURSE AND DISTANCE</u>	<u>ALTITUDE</u>
SUANA INT/VNY 11.40 DME (IF/IAF)	CANOG INT/VNY 5.10 DME	075.00 / 6.30 (VNY R-255)	3700
CANOG INT/VNY 5.10 DME	VNY VOR/DME	075.00 / 5.10	3100

NOTES, (CONT.):

CHART NOTE: CIRCLING NA FOR CATS A/B/C NE OF RWY 15 AND 26.

CHART NOTE: CIRCLING NA FOR CAT D EAST OF RWY 15-33.

CHART NOTE: NIGHT LANDING: RWY 26 NA.

CHART NOTE: NIGHT LANDING: RWY 8, 33 OPERATIONAL VGSI REQUIRED. REMAIN ON OR ABOVE VGSI GLIDEPATH UNTIL THRESHOLD.

QUALITY
6
CHECKED

CITY AND STATE

BURBANK, CA

ELEVATION: 778

TDZE: 727

AIRPORT NAME:

BOB HOPE

FACILITY
IDENTIFIER:

VNY

PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:

VOR RWY 8, AMDT 12

26 MAY 2016

SUP:

AMDT: 11B

DATED: 07/24/2014

U.S. DEPARTMENT of TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION
GRAPHIC DEPARTURE PROCEDURE (DP)

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Distances are in nautical miles. Visibilities are in statute miles or feet RVR unless otherwise indicated. Graphic depictions attached.

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
GOWEN	TWO	GOWEN2.GOWEN	ONE	11 FEB 10	26 MAY 2016

TYPE: OBSTACLE

DP ROUTE DESCRIPTION:

TAKEOFF RWY 10L/R: CLIMB HEADING 100.13 TO 3600 THEN CLIMBING RIGHT TURN HEADING 260.00, THENCE...

TAKEOFF RWY 28L/R: CLIMBING LEFT TURN HEADING 170.00, THENCE...

INTERCEPT AND CLIMB ON BOI R-216 OUTBOUND TO CROSS FIMGU INT/BOI 11.00 DME FIX AT OR ABOVE 5300 THEN ON BOI R-216 TO CROSS BOI VORTAC AT OR ABOVE MEA/MCA FOR ASSIGNED ROUTE OF FLIGHT.

VCOA RWY 10L/R: OBTAIN ATC APPROVAL FOR VCOA WHEN REQUESTING IFR CLEARANCE. CLIMB IN VISUAL CONDITIONS TO CROSS BOISE AIR TERMINAL/GOWEN FIELD AIRPORT AT OR ABOVE BOI VORTAC MEA/MCA BEFORE PROCEEDING ON ASSIGNED ROUTE OF FLIGHT.

TRANSITION ROUTES (GRAPHIC DEPICTION ONLY):

Transition Name	Transition Computer Codes	From FIX/NAVAID	To FIX/NAVAID	Course	Distance	MEA	MOCA	Crossing Altitudes/Fixes

PROCEDURAL DATA NOTES/TAKEOFF MINIMUMS:

NOTE: ADF OR DME REQUIRED.

TAKEOFF MINIMUMS: RWY 28L/R STANDARD. RWY 10L STANDARD WITH A MINIMUM CLIMB OF 208 FT PER NM TO 4300 OR 5500-3 FOR CLIMB IN VISUAL CONDITIONS.
RWY 10R STANDARD WITH MINIMUM CLIMB OF 205 FT PER NM TO 4300 OR 5500-3 FOR CLIMB IN VISUAL CONDITIONS.

TAKEOFF OBSTACLES NOTES:

NOTE: RWY 10L: DME ANTENNA 5 FT FROM DER, 415 FT RIGHT OF CENTERLINE, 16 FT AGL/2880 FT MSL. LIGHT ON BLDG 271 FT FROM DER, 567 FT LEFT OF CENTERLINE, 15 FT AGL/2888 FT MSL. EQUIPMENT ON ROAD 462 FT FROM DER, 444 FT LEFT OF CENTERLINE, 11FT AGL/2886 FT MSL.

NOTE: RWY 28L: TREE 2048 FT FROM DER, 510 FT LEFT OF CENTERLINE, 100 FT AGL/2909 FT MSL.

NOTE: RWY 28R: ANEMOMETER 452 FT FROM DER, 306 FT LEFT OF CENTERLINE, 11 FT AGL/2842 FT MSL.

NOTE: RWY 10R: VEHICLES ON TAXIWAY BEGINNING AT DER, 455 FT RIGHT OF CENTERLINE, 10 FT AGL/2864 FT MSL.

CONTROLLING OBSTACLES:

RWY 10L/R: 3519 FT MSL AAO 433036.74N/1160944.53W, 3879 FT MSL AAO 433008.96N/1160436.61W.
VCOA: 3985 FT MSL AAO 433628.85N/1160732.09W.

LOST COMMUNICATIONS PROCEDURES:



U.S. DEPARTMENT of TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION
GRAPHIC DEPARTURE PROCEDURE (DP)

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DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
GOWEN	TWO	GOWEN2.GOWEN	ONE	11 FEB 10	26 MAY 2016

ADDITIONAL FLIGHT DATA:

CHART R-3203.

AIRPORTS SERVED:

BOISE AIR TERMINAL/GOWEN FLD

BOISE, ID

COMMUNICATIONS:

ATIS, CLNC DEL, GND CON, BOI ATCT, BOI DEP CON 126.9/351.85 (279° - 097°), 119.6/269.4 (098° – 278°)

FIXES AND/OR NAVAIDS:



U.S. DEPARTMENT of TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION
GRAPHIC DEPARTURE PROCEDURE (DP)

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. Graphic depictions attached.

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
GOWEN	TWO	GOWEN2.GOWEN	ONE	11 FEB 10	26 MAY 2016

REMARKS:

ADDED CLOSE-IN OBSTACLES AND .46E CRITERIA UPDATES.

FLIGHT INSPECTED BY:

JOEL F HAWKLEY

FICO

Digitally signed by

ALLAN WILL

3/01/2016

REQUIRED EFFECTIVE DATE:

ROUTINE

DEVELOPED BY:

Digitally signed by

RALPH DUMAR

Mar 03, 2016

RALPH DUMAR

AJV-5432

12/21/2015

Feb 04, 2016

APPROVED BY:

Digitally signed by

ALLAN WILL

LONNIE EVERHART

AJV-5430

Mar 03, 2016

COORDINATED WITH:

ZLC, BOI ATCT, BOI DEP CON, AMGR

CHANGES:

1. REMOVED ALL INSTANCES OF 'VIA' FROM DP ROUTE DESCRIPTION.
2. DP ROUTE DESCRIPTION: SPLIT INITIAL CLIMB OUTS FOR ALL FOUR RUNWAYS AND COMMON ROUTE.
3. UPDATED VCOA DESCRIPTION: ADDED 'OBTAIN ATC APPROVAL...' NOTE AND 'BOI VORTAC' TO CLARIFY MEA/MCA.
4. UPDATED CLOSE-IN OBSTACLES FOR RWYS 10R AND 28L.
5. UPDATED AGL/MSL VALUES FOR RWY 10L CLOSE-IN OBSTACLES.

REASONS:

- 1-3. PER 8260.46E.
4. PER NOTAM 5/4628. ADDITIONAL TREE FOUND IN RWY 28L ICA.
5. IAW NEW OBSTACLE DATA.

QUALITY
3
CHECKED

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION				RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.							
TERMINAL ROUTES										MISSED APPROACH					
FROM		TO		COURSE AND DISTANCE			ALTITUDE		LP: RW02 LNAV: RW02						
WHINO		AWFUL (FO)		287.19 / 19.40			2000		CLIMBING RIGHT TURN TO 2000 DIRECT AWFUL AND HOLD.						
SABBI (IAF)		AWFUL (NOPT) (FB)		023.98 / 4.54			2000								
AWFUL (IF/IAF)		CALPU (FB)		033.63 / 3.50			1800		ADDITIONAL FLIGHT DATA: CHART FAS OBST: 279 TREE 383515N/0770431W CHART FAS OBST: 289 TREE 383522N/0770445W WAAS CHANNEL # 78036 REFERENCE PATH ID: W02A CHART R-6611A CHART CIRCLING ICON. LTP HAE: 15 M						
CALPU (FAF)		BOLME/1.60 NM TO RW02 (FB)		013.64 / 3.44											
BOLME/1.60 NM TO RW02		RW02 (MAP) (FO)		013.64 / 1.60											
RW02 (MAP)		575 MSL		013.64											
575 MSL		AWFUL (FO)					2000								
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)										MAG VAR: 9W EPOCH YEAR: 1985					
2. HOLD SW AWFUL, LT, 033.63 INBOUND, 2000 FT. IN LIEU OF PT (IAF)															
3. FAC: 013.64 FAF: CALPU DIST FAF TO MAP: 5.04 THLD: 5.04															
4. MIN. ALT: AWFUL 2000, CALPU 1800, BOLME/1.60 NM TO RW02 700															
5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____															
6. MIN GS INCPT: _____ GS ALT AT: _____ OM: _____ MM: _____ IM: _____															
7. GS ANGLE: _____ TCH: 34:1 IS NOT CLEAR															
8. MSA FROM: RW02 2200															
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	600	1	437	600	1	437		NA			NA				
LNAV MDA	620	1	457	620	1	457		NA			NA				
CIRCLING	700	1	525	700	1	525		NA			NA				
NOTES: CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: NIGHT LANDING: RWY 20 NA. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. CHART NOTE: USE RONALD REAGAN WASHINGTON NATIONAL ALTIMETER SETTING; WHEN NOT RECEIVED, USE (CONTINUED ON PAGE 2)															
CITY AND STATE INDIAN HEAD, MD		ELEVATION: 175 TDZE: 163 AIRPORT NAME: MARYLAND				FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 2, AMDT 1 26 MAY 2016				SUP: AMDT: ORIG DATED 07/24/2014			



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

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NOTES, (CONT.):
STAFFORD RGNL.
CHART PROFILE NOTE: VISUAL SEGMENT-OBSTACLES.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT SABBI ON V376 SOUTHBOUND.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT WHINO ON V20-33 SOUTHBOUND.

QUALITY
25
CHECKED

CITY AND STATE INDIAN HEAD, MD	ELEVATION: 175 TDZE: 163 AIRPORT NAME: MARYLAND	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 2, AMDT 1 26 MAY 2016	SUP:
				AMDT: ORIG
				DATED: 07/24/2014

**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	2W5
RUNWAY	RW02
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W02A
LTP/FTP LATITUDE	383530.9500N
LTP/FTP LONGITUDE	0770422.7600W
LTP/FTP ELLIPSOIDAL HEIGHT	+00150
FPAP LATITUDE	383659.8460N
FPAP LONGITUDE	0770413.5440W
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	1608
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	0.0

CRC REMAINDER

DE9039FB

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+00476
FPAP ORTHOMETRIC HEIGHT	+00476

QUALITY
25
CHECKED

CITY AND STATE INDIAN HEAD, MD	ELEVATION: 175 AIRPORT NAME: MARYLAND	TDZE: 163 TDZE: 163	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 2, AMDT 1 26 MAY 2016	SUP:
					AMDT: ORIG
					DATED: 07/24/2014

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 - 2W5

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
SABBI	010	SABBI	IF	FB										E A
SABBI	020	AWFUL	TF	FB	1.0	024.0						AA 02000		EE B
WHINO	010	WHINO	IF	FB										E
WHINO	020	AWFUL	TF	FO	2.0	287.2						AA 02000		EY
WHINO	030	AWFUL	HF	FO		033.6			L			AA 02000		EE A
	010	AWFUL	IF	FB								AA 02000		E I
	020	CALPU	TF	FB	1.0	033.6				RW02		AA 01800		E F
	021	BOLME	TF	FB	0.3	013.6		3.00				AA 00700 GS 00706		E S
	030	RW02	TF	FO	0.3	013.6		3.00				AT 00196		GY M
	040		CA	FB		013.6						AA 00575		M
	050	AWFUL	DF	FO					R			AA 02000		EY
	060	AWFUL	HM	FO		033.6			L			AA 02000		EE

POINTS

POINT NAME	LATITUDE	LONGITUDE
AWFUL	N382718.35	W0770645.49
BOLME	N383355.17	W0770432.68
CALPU	N383029.44	W0770453.97
SABBI	N382254.79	W0770815.15
WHINO	N382434.95	W0764218.67

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW02	N383530.95	W0770422.76	00156	40

QUALITY
25
CHECKED

CITY AND STATE INDIAN HEAD, MD	ELEVATION: 175 TDZE: 163	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 2, AMDT 1 26 MAY 2016	SUP:
	AIRPORT NAME: MARYLAND	RNAV		AMDT: ORIG
				DATED: 07/24/2014

ILS - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.29						Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.										
TERMINAL ROUTES											MISSED APPROACH					
FROM		TO		COURSE AND DISTANCE				ALTITUDE		ILS: DA LOC: 4.30 MILES AFTER HANCO NDB/INT/RADAR CLIMB TO 700 THEN CLIMBING LEFT TURN TO 2000 ON HEADING 360 AND ON GPT VORTAC R-298 TO STENN AND HOLD, OR AS DIRECTED BY ATC. ALTERNATE MA: CLIMB TO 700 THEN CLIMBING LEFT TURN TO 1800 ON PCU VOR/DME R-133 TO CLERY INT AND HOLD. WHEN AUTHORIZED BY ATC CONTINUE CLIMB-IN-HOLD TO 5000. ADDITIONAL FLIGHT DATA: CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD NE CLERY INT, RT, 245.00 INBOUND. CHART FAS OBST: 139 TREE 302424N/0892727W 309 AAO 302644N/0892639W CHART R-4403A. CHART R-4403B. CHART R-4403C. CHART R-4403E. CHART R-4403F. CHART IN PLANVIEW: CLERY INT. CHART CIRCLING ICON. CHART PCU VOR/DME R-110 AT HANCO NDB.						
STENN (IF/IAF)		HANCO NDB/INT/RADAR		182.16 / 8.64 (I-HSA)				1500								
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD N STENN, RT, 182.16 INBOUND, 2000 FT. IN LIEU OF PT (IAF) 3. FAC: 182.16 FAF: HANCO NDB/INT/RADAR DIST FAF TO MAP: 4.30 THLD: 4.30 4. MIN. ALT: HANCO NDB 1500, WUDGU INT 520* 5. DIST TO THLD FROM OM: - MM: - IM: - 150 HAT: - 100 HAT: - GS ANT: 1068 6. MIN GS INCPT: 1500 GS ALT AT: HANCO NDB 1460 OM: - MM: - IM: - 7. GS ANGLE: 3.00 TCH: 56.2 8. MSA FROM:											MAG VAR: 2W 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 18	223	1/2	200	223	1/2	200	223	1/2	200	223	1/2	200	223	1/2	200	
S-LOC 18	520	1/2	497	520	1/2	497	520	1	497	520	1	497	520	1	497	
CIRCLING	520	1	497	520	1	497	520	1 1/2	497	820	2 1/2	797	820	2 3/4	797	
WUDGU FIX MINIMUMS (DUAL VOR RECEIVERS REQUIRED)																
S-LOC 18	400	1/2	377	400	1/2	377	400	5/8	377	400	5/8	377	400	5/8	377	
CIRCLING	480	1	457	480	1	457	520	1 1/2	497	820	2 1/2	797	820	2 3/4	797	
NOTES: CHART NOTE: CIRCLING NA FOR CAT E W OF RWY 18-36. CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}). *LOC ONLY CHART PLANVIEW NOTE: GPS REQUIRED. (CONTINUED ON PAGE 2)																
CITY AND STATE		ELEVATION: 23 TDZE: 23		FACILITY IDENTIFIER: I-HSA		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:						
BAY ST LOUIS, MS		AIRPORT NAME: STENNIS INTL				ILS Y OR LOC Y RWY 18, ORIG, 05/26/2016				AMDT: NONE						



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

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NOTES, (CONT.):
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE GULFPORT ALTIMETER SETTING: INCREASE DA TO 270 FT; INCREASE ALL MDA 60 FT AND S-LOC 18 CATS C/D/E VISIBILITY 1/8 MILE, CIRCLING CAT C VISIBILITY 1/8 MILE AND CATS D/E VISIBILITY 1/4 MILE. WUDGU FIX MINIMUMS: INCREASE S-LOC 18 CATS C/D/E VISIBILITY 1/8 MILE, AND CIRCLING CATS D/E VISIBILITY 1/4 MILE.
CHART NOTE: FOR INOPERATIVE MALSR, INCREASE S-ILS 18 CAT E VISIBILITY TO 3/4 MILE, AND S-LOC 18 CATS C/D/E VISIBILITY TO 1 3/8 MILE. WUDGU FIX MINIMUMS: INCREASE S-LOC 18 CATS C/D/E VISIBILITY TO 1 MILE.
CHART NOTE: FOR INOPERATIVE MALSR WHEN USING GULFPORT ALTIMETER SETTING, INCREASE S-ILS 18 CAT E VISIBILITY TO 3/4 MILE AND S-LOC 18 CAT E VISIBILITY TO 1 5/8 MILE. WUDGU FIX MINIMUMS: INCREASE S-LOC 18 CAT E VISIBILITY TO 1 1/4 MILE.
*580 WHEN USING GULFPORT ALTIMETER SETTING

TAA	FROM	TO	ALT
1.	092/30 CW 272/30 (NOPT)	092/18 CW 272/18	2800
2.	092/18 CW 272/18	STENN (IAF) (FB)	2000
3.	272/30 CW 092/30	STENN (IF/IAF) (FO)	2000



CITY AND STATE BAY ST LOUIS, MS	ELEVATION: 23 AIRPORT NAME: STENNIS INTL	TDZE: 23	FACILITY IDENTIFIER: I-HSA	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: ILS Y OR LOC Y RWY 18, ORIG, 05/26/2016	SUP:
					AMDT: NONE
					DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.29

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ARINC SUMMARY - KHSA

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
STENN	010	STENN	HF	FO		182.2	IHSA		R			AA 02000		EE A
	010	STENN	IF	FB			IHSA					AA 02000 GI 01500		E I
	020	HANCO	CF	FB		182.0	IHSA	3.00				GI 01500 GS 01460		E F
	030	RW18	CF	FO		182.0	IHSA	3.00				AT 00079		GY M
	040		CA	FB		182.2						AA 00700		M
	050		VI	FB		360.0			L					
	060	STENN	CF	FO		298.1	GPT					AA 02000		EY
	070	STENN	HM	FO		182.2			R			AA 02000		EE

POINTS

POINT NAME	LATITUDE	LONGITUDE
GPT	N302424.60	W0890436.40
STENN	N303544.26	W0892713.96
HANCO	N302704.81	W0892715.64
IHSA (LOC)	N302111.61	W0892716.78

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW18	N302246.15	W0892716.47	00023	56

QUALITY
15
CHECKED

CITY AND STATE
BAY ST LOUIS, MS

ELEVATION: 23 TDZE: 23
AIRPORT NAME:
STENNIS INTL

FACILITY
IDENTIFIER:
I-HSA

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
ILS Y OR LOC Y RWY 18, ORIG, 05/26/2016

SUP:
AMDT: NONE
DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION LOC STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.25												Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.																																																																																																																																																																																				
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CITY AND STATE BAY ST LOUIS, MS					ELEVATION: 23 TDZE: 23 AIRPORT NAME: STENNIS INTL					FACILITY IDENTIFIER: I-HSA		PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: ILS Y OR LOC Y RWY 18, ORIG, 05/26/2016			SUP: AMDT: NONE DATED:																																																																																																																																																																																	



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: 4.30 MILES AFTER HANCO NDB/INT/RADAR CLIMB TO 700 THEN CLIMBING LEFT TURN TO 2000 ON HEADING 360 AND ON GPT VORTAC R-298 TO STENN INT AND HOLD, OR AS DIRECTED BY ATC. ALTERNATE MA: CLIMB TO 700 THEN CLIMBING LEFT TURN TO 1800 ON PCU VOR/DME R-133 TO CLERY INT AND HOLD. WHEN AUTHORIZED BY ATC CONTINUE CLIMB-IN-HOLD TO 5000. ADDITIONAL FLIGHT DATA: CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD NE CLERY INT, RT, 245.00 INBOUND. CHART FAS OBST: 139 TREE 302424N/0892727W 309 AAO 302644N/0892639W CHART R-4403A. CHART R-4403B. CHART R-4403C. CHART R-4403E. CHART R-4403F. CHART CIRCLING ICON. CHART PCU VOR/DME R-110 AT HANCO NDB.					
CLERY INT		HANCO NDB/INT/RADAR		355.15 / 10.58				2000							
HANCO NDB/INT/RADAR		STENN INT		000.56 / 8.64				2000							
GPT VORTAC		STENN INT		298.13 / 22.58 (GPT R-298)				2000							
STENN INT (IF/IAF)		HANCO NDB/INT/RADAR		182.16 / 8.64 (I-HSA)				1500							
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD N STENN, RT, 182.16 INBOUND, 2000 FT. IN LIEU OF PT (IAF) 3. FAC: 182.16 FAF: HANCO NDB/INT/RADAR DIST FAF TO MAP: 4.30 THLD: 4.30 4. MIN. ALT: HANCO NDB 1500, WUDGU INT 520* 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: 1068 6. MIN GS INCPT: 1500 GS ALT AT: HANCO NDB 1460 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 56.2 8. MSA FROM: HANCO NDB 2800										MAG VAR: 2W		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 18	223	1/2	200	223	1/2	200	223	1/2	200	223	1/2	200	223	1/2	200
S-LOC 18	520	1/2	497	520	1/2	497	520	1	497	520	1	497	520	1	497
CIRCLING	520	1	497	520	1	497	520	1 1/2	497	820	2 1/2	797	820	2 3/4	797
WUDGU FIX MINIMUMS (DUAL VOR RECEIVERS REQUIRED)															
S-LOC 18	400	1/2	377												
CIRCLING	480	1	457	480	1	457	520	1 1/2	497	820	2 1/2	797	820	2 3/4	797
NOTES: CHART NOTE: CIRCLING NA FOR CAT E W OF RWY 18-36. CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}). *LOC ONLY CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE GULFPORT ALTIMETER SETTING: INCREASE DA (CONTINUED ON PAGE 2)															
CITY AND STATE		ELEVATION: 23 TDZE: 23		AIRPORT NAME:		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP: ILS OR LOC RWY 18			
BAY ST LOUIS, MS				STENNIS INTL		I-HSA		ILS Z OR LOC Z RWY 18, AMDT 2, 05/26/2016				AMDT: 1A			
												DATED 09/18/2014			



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

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NOTES, (CONT.):
TO 270 FT; INCREASE ALL MDA 60 FT AND S-LOC 18 CATS C/D/E VISIBILITY 1/8 MILE, CIRCLING CAT C VISIBILITY 1/8 MILE AND CATS D/E VISIBILITY 1/4 MILE. WUDGU FIX MINIMUMS: INCREASE S-LOC 18 CATS C/D/E VISIBILITY 1/8 MILE, AND CIRCLING CATS D/E VISIBILITY 1/4 MILE.
CHART NOTE: FOR INOPERATIVE MALSR, INCREASE S-ILS 18 CAT E VISIBILITY TO 3/4 MILE, AND S-LOC 18 CATS C/D/E VISIBILITY TO 1 3/8 MILE. WUDGU FIX MINIMUMS: INCREASE S-LOC 18 CATS C/D/E VISIBILITY TO 1 MILE.
CHART NOTE: FOR INOPERATIVE MALSR WHEN USING GULFPORT ALTIMETER SETTING, INCREASE S-ILS 18 CAT E VISIBILITY TO 3/4 MILE AND S-LOC 18 CAT E VISIBILITY TO 1 5/8 MILE. WUDGU FIX MINIMUMS: INCREASE S-LOC 18 CAT E VISIBILITY TO 1 1/4 MILE.
*580 WHEN USING GULFPORT ALTIMETER SETTING.



CITY AND STATE BAY ST LOUIS, MS	ELEVATION: 23 TDZE: 23 AIRPORT NAME: STENNIS INTL	FACILITY IDENTIFIER: I-HSA	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: ILS Z OR LOC Z RWY 18, AMDT 2, 05/26/2016	SUP: ILS OR LOC RWY 18
				AMDT: 1A
				DATED: 09/18/2014

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

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QUALITY
24
CHECKED

CITY AND STATE BAY ST LOUIS, MS	ELEVATION: 23 AIRPORT NAME: STENNIS INTL	TDZE: 23	FACILITY IDENTIFIER: I-HSA	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS Z OR LOC Z RWY 18, AMDT 2, 05/26/2016	SUP: ILS OR LOC RWY 18
					AMDT: 1A
					DATED: 09/18/2014

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.29

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ARINC SUMMARY - KHSA

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
CLERY	010	CLERY	IF	FB										E
CLERY	020	HANCO	TF	FB								AA 02000		E
CLERY	030	STENN	TF	FO								AA 02000		EY
CLERY	040	STENN	HF	FO		182.2	IHSA		R			AA 02000		EE A
GPT	010	GPT	IF	FB										V
GPT	020	STENN	TF	FO								AA 02000		EY
GPT	030	STENN	HF	FO		182.2	IHSA		R			AA 02000		EE A
	010	STENN	IF	FB			IHSA					AA 02000 GI 01500		E I
	020	HANCO	CF	FB		182.0	IHSA	3.00		HS		GI 01500 GS 01460		E F
	030	RW18	CF	FO		182.0	IHSA	3.00				AT 00079		GY M
	040		CA	FB		182.2						AA 00700		M
	050		VI	FB		360.0			L					
	060	STENN	CF	FO		298.1	GPT					AA 02000		EY
	070	STENN	HM	FO		182.2			R			AA 02000		EE

POINTS

POINT NAME	LATITUDE	LONGITUDE
GPT	N302424.60	W0890436.40
CLERY	N301632.86	W0892552.21
STENN	N303544.26	W0892713.96
HANCO	N302704.81	W0892715.64
IHSA (LOC)	N302111.61	W0892716.78
HS	N302704.82	W0892719.85

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW18	N302246.15	W0892716.47	00023	56

QUALITY
15
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CITY AND STATE
BAY ST LOUIS, MS

ELEVATION: **23** TDZE: **23**
AIRPORT NAME:
STENNIS INTL

FACILITY
IDENTIFIER:
I-HSA

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
ILS Z OR LOC Z RWY 18, AMDT 2, 05/26/2016

SUP: **ILS OR LOC RWY 18**

AMDT: **1A**

DATED: **09/18/2014**

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION LOC STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.25												Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.		
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GPT	020	STENN	TF	FO								AA 02000		EY
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	010	STENN	IF	FB			IHSA					AA 02000		E I
	020	HANCO	CF	FB		182.0	IHSA			HS		AA 01500		E F
	021	WUDGU	CF	FB		182.0	IHSA	3.12				AA 00520		E S
	030	RW18	CF	FO		182.0	IHSA	3.12				AT 00079		GY M
	040		CA	FB		182.2						AA 00700		M
	050		VI	FB		360.0			L					
	060	STENN	CF	FO		298.1	GPT					AA 02000		EY
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IHSA (LOC)			N302111.61			W0892716.78								
HS			N302704.82			W0892719.85								
RUNWAYS														
RUNWAY		THRESHOLD LATITUDE		THRESHOLD LONGITUDE		THRESHOLD ELEVATION		PROCEDURE TCH						
RW18		N302246.15		W0892716.47		00023		56.2						

QUALITY
15
CHECKED

CITY AND STATE BAY ST LOUIS, MS	ELEVATION: 23 AIRPORT NAME: STENNIS INTL	TDZE: 23	FACILITY IDENTIFIER: I-HSA	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: ILS Z OR LOC Z RWY 18, AMDT 2, 05/26/2016	SUP: ILS OR LOC RWY 18
					AMDT: 1A
					DATED: 09/18/2014

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: 4.30 MILES AFTER HS NDB						
PCU VOR/DME		HS NDB			109.69 / 15.70			1800		CLIMBING LEFT TURN TO 1800 DIRECT HSA NDB AND HOLD.						
CAESA INT		HS NDB			219.44 / 12.20			1800								
GPT VORTAC		HS NDB			275.82 / 19.83			1800								
CLERY INT		HS NDB			355.14 / 10.58			1800								
										ADDITIONAL FLIGHT DATA: HOLD N, RT, 181.35 INBOUND. CHART FAS OBST: 290 TOWER 302546N/0892546W CHART R-4403A. CHART R-4403B. CHART R-4403C. CHART R-4403E. CHART R-4403F. HS NDB TO RW18: 3.12/53.0. CHART CIRCLING ICON.						
1. PT L SIDE OF COURSE 001.35 OUTBOUND 1800 FT WITHIN 15 MILES OF HS NDB (IAF)										MAG VAR: 2W EPOCH YEAR: 2020						
2.																
3. FAC 181.35 FAF HS NDB DIST FAF TO MAP 4.30 THLD																
4. MIN. ALT HS NDB 1500																
8. MSA FROM: HS NDB 2800																
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-18		600	3/4	577	600	3/4	577	600	1 1/4	577	600	1 1/4	577	600	1 1/4	577
CIRCLING		600	1	577	600	1	577	600	1 5/8	577	820	2 1/2	797	820	2 3/4	797
NOTES: CHART NOTE: PROCEDURE NA WHEN R4403B AND R4403E ARE ACTIVE. CHART NOTE: CIRCLING NA FOR CAT E W OF RWY 18-36. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED USE GULFPORT ALTIMETER SETTING AND INCREASE ALL MDAS 60 FEET AND INCREASE S-18 CAT C/D/E AND CIRCLING CAT C VISIBILITY 1/8 MILE AND CIRCLING (CONTINUED ON PAGE 2)																
CITY AND STATE BAY ST LOUIS, MS		ELEVATION: 23 TDZE: 23 AIRPORT NAME: STENNIS INTL			FACILITY IDENTIFIER: HSA		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: NDB RWY 18, AMDT 2, 05/26/2016					SUP AMDT 1A DATE 08/30/2007				



**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.):

CAT D/E VISIBILITY 1/4 MILE.

CHART NOTE: FOR INOPERATIVE MALSR, INCREASE CAT C/D/E VISIBILITY TO 1 5/8 MILE.

CHART NOTE: FOR INOPERATIVE MALSR WHEN USING GULFPORT ALTIMETER, INCREASE CAT C/D/E VISIBILITY TO 1 3/4 MILE.

QUALITY
24
CHECKED

CITY AND STATE

BAY ST LOUIS, MS

ELEVATION: 23

TDZE: 23

AIRPORT NAME:

STENNIS INTL

FACILITY
IDENTIFIER:

HSA

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

NDB RWY 18, AMDT 2, 05/26/2016

SUP:

AMDT: 1A

DATED: 08/30/2007

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: RW18 CLIMB TO 1400, THEN CLIMBING LEFT TURN TO 2000 DIRECT STENN AND HOLD. ADDITIONAL FLIGHT DATA: HOLD N, RT, 182.16 INBOUND. CHART FAS OBST: 139 TREE 302424N/0892727W 309 AAO 302644N/0892639W CHART R-4403A. CHART R-4403B. CHART R-4403C. CHART R-4403E. CHART R-4403F. DISTANCE TO THLD FROM 200 HAT: 0.45 NM. CHART VDP AT 1.01 MILES TO RW18* *LNAV ONLY. WAAS CHANNEL # 58224 REFERENCE PATH ID: W18A CHART CIRCLING ICON. LTP HAE: -20.5 M					
STENN (IF/IAF)		AYUDU (FB)		182.16 / 8.48				1500							
AYUDU (FAF)		WUDGU/1.80 NM TO RW18 (FB)		182.16 / 2.66											
WUDGU/1.80 NM TO RW18		RW18 (MAP) (FO)		182.16 / 1.80											
RW18 (MAP)		1400 MSL		182.16				1400							
1400 MSL		STENN (FO)						2000							
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD N STENN, RT, 182.16 INBOUND, 2000 FT. IN LIEU OF PT (IAF) 3. FAC: 182.16 FAF: AYUDU DIST FAF TO MAP: 4.46 THLD: 4.46 4. MIN. ALT: AYUDU 1500, WUDGU/1.80 NM TO RW18 640* 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 1500 GS ALT AT: AYUDU 1500 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 56.2 34:1 IS CLEAR 8. MSA FROM: _____										MAG VAR: 2W 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	223	1/2	200	223	1/2	200	223	1/2	200	223	1/2	200	223	1/2	200
LNAV/VNAV DA	326	1/2	303	326	1/2	303	326	1/2	303	326	1/2	303	326	1/2	303
LNAV MDA	400	1/2	377	400	1/2	377	400	5/8	377	400	5/8	377	400	5/8	377
CIRCLING	480	1	457	480	1	457	520	1 1/2	497	820	2 1/2	797	820	2 3/4	797
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 54C (130F). CHART NOTE: CIRCLING NA FOR CAT E W OF RWY 18-36. CHART NOTE: BARO-VNAV AND VDP NA WHEN USING GULFPORT ALTIMETER SETTING. CHART NOTE: DME/DME RNP-0.3 NA. (CONTINUED ON PAGE 2)															
CITY AND STATE		ELEVATION: 23 TDZE: 23		AIRPORT NAME:		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:			
BAY ST LOUIS, MS				STENNIS INTL		RNAV		RNAV (GPS) RWY 18, AMDT 2, 05/26/2016				AMDT: 1A			
												DATED 09/18/2014			



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

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

NOTES, (CONT.):

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

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USED GULFPORT ALTIMETER SETTING: INCREASE

LPV DA TO 247 FT; INCREASE LNAV/VNAV DA TO 373 FT; INCREASE ALL MDA 60 FT AND LNAV CATS C/D/E

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

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

CHART NOTE: FOR INOPERATIVE MALSR WHEN USING GULFPORT ALTIMETER SETTING, INCREASE LNAV CAT E VISIBILITY TO 1 1/4 MILE.

TAA

	<u>FROM</u>	<u>TO</u>	<u>ALT</u>
1.	092/30 CW 272/30 (NOPT)	092/18 CW 272/18	2800
2.	092/18 CW 272/18	STENN (IAF) (FB)	2000
3.	272/30 CW 092/30	STENN (IF/IAF) (FO)	2000

QUALITY
24
CHECKED

CITY AND STATE

BAY ST LOUIS, MS

ELEVATION: 23

TDZE: 23

AIRPORT NAME:

STENNIS INTL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 18, AMDT 2, 05/26/2016

SUP:

AMDT: 1A

DATED: 09/18/2014

**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	KHSA
RUNWAY	RW18
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W18A
LTP/FTP LATITUDE	302246.1495N
LTP/FTP LONGITUDE	0892716.4745W
LTP/FTP ELLIPSOIDAL HEIGHT	-00205
FPAP LATITUDE	302116.8405N
FPAP LONGITUDE	0892716.7620W
THRESHOLD CROSSING HEIGHT (TCH)	00056.2
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0160
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
 <u>CRC REMAINDER</u>	 C2753F55

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+00070
FPAP ORTHOMETRIC HEIGHT	+00070

QUALITY
24
CHECKED

CITY AND STATE BAY ST LOUIS, MS	ELEVATION: 23 TDZE: 23 AIRPORT NAME: STENNIS INTL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 18, AMDT 2, 05/26/2016	SUP:
				AMDT: 1A
				DATED: 09/18/2014

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 - KHSA

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
STENN	010	STENN	HF	FO		182.2			R			AA 02000		EE A
	010	STENN	IF	FB								AA 02000		E I
	020	AYUDU	TF	FB	1.0	182.2						AA 01500		E F
	021	WUDGU	TF	FB	0.3	182.2		3.00				AA 00640 GS 00652		E S
	030	RW18	TF	FO	0.3	182.2		3.00				AT 00079		GY M
	040		CA	FB		182.2						AA 01400		M
	050	STENN	DF	FO					L			AA 02000		EY
	060	STENN	HM	FO		182.2			R			AA 02000		EE

POINTS

POINT NAME	LATITUDE	LONGITUDE
AYUDU	N302714.50	W0892715.61
STENN	N303544.26	W0892713.96
WUDGU	N302434.40	W0892716.12

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW18	N302246.15	W0892716.47	00023	56.2

QUALITY
12
CHECKED

CITY AND STATE BAY ST LOUIS, MS	ELEVATION: 23 TDZE: 23	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 18, AMDT 2, 05/26/2016	SUP:
	AIRPORT NAME: STENNIS INTL			AMDT: 1A
				DATED: 09/18/2014

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: RW36 CLIMB TO 2000 DIRECT STENN AND HOLD. ADDITIONAL FLIGHT DATA: HOLD N, RT, 182.16 INBOUND. CHART 114 TREE 302127N/0892648W. DISTANCE TO THLD FROM 270 HAT: 0.68 NM. CHART VDP AT 0.98 MILES TO RW36* *LNAV ONLY. WAAS CHANNEL # 63109 REFERENCE PATH ID: W36A CHART CIRCLING ICON. CHART: R-4403A. CHART: A-381 CHART R-4403B. CHART R-4403C. CHART R-4403E. CHART R-4403F. LTP HAE: -23.5 M					
HAWGS (IF/IAF)		PORKK (FB)			002.16 / 6.70				1500							
PORKK (FAF)		RIBDE/1.50 NM TO RW36 (FB)			002.16 / 3.00											
RIBDE/1.50 NM TO RW36		RW36 (MAP) (FO)			002.16 / 1.50											
RW36 (MAP)		285 MSL			002.16				2000							
285 MSL		STENN INT (FO)														
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD S HAWGS, RT, 002.16 INBOUND, 2000 FT. IN LIEU OF PT (IAF) 3. FAC: 002.16 FAF: PORKK DIST FAF TO MAP: 4.50 THLD: 4.50 4. MIN. ALT: HAWGS 2000, PORKK 1500, RIBDE/1.50 NM TO RW36 540* 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 1500 GS ALT AT: PORKK 1500 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 55.1 34:1 IS NOT CLEAR 8. MSA FROM: _____																
											MAG VAR: 2W 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	285	7/8	270	285	7/8	270	285	7/8	270	285	7/8	270	285	7/8	270	
LNAV/VNAV DA	297	7/8	282	297	7/8	282	297	7/8	282	297	7/8	282	297	7/8	282	
LNAV MDA	380	1	365	380	1	365	380	1	365	380	1	365	380	1	365	
CIRCLING	480	1	457	480	1	457	520	1 1/2	497	820	2 1/2	797	820	2 3/4	797	
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 54C (130F). CHART NOTE: CIRCLING NA FOR CAT E W OF RWY 18-36. CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. (CONTINUED ON PAGE 2)																
CITY AND STATE BAY ST LOUIS, MS		ELEVATION: 23 TDZE: 15 AIRPORT NAME: STENNIS INTL			FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 36, AMDT 3, 05/26/2016					SUP:				
												AMDT: 2A				
												DATED 09/18/2014				

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

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NOTES, (CONT.):

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

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

LPV DA TO 332 FEET AND LNAV/VNAV DA TO 344 FEET AND ALL MDA 60 FEET; INCREASE LPV AND LNAV/VNAV

ALL CATS VISIBILITY 1/8 MILE AND LNAV CATS C/D/E AND CIRCLING CATS D/E VISIBILITY 1/4 MILE.

TAA

	<u>FROM</u>	<u>TO</u>	<u>ALT</u>
1.	272/30 CW 029/30 (NOPT)	HAWGS (IF/IAF) (FB)	2000
2.	029/30 CW 092/30 (NOPT)	029/23 CW 089/23	2100
	029/23 CW 092/23	HAWGS (IF/IAF) (FB)	2000
3.	092/30 CW 272/30	HAWGS (IAF) (FO)	2000

QUALITY
24
CHECKED

CITY AND STATE

BAY ST LOUIS, MS

ELEVATION: 23

TDZE: 15

AIRPORT NAME:

STENNIS INTL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 36, AMDT 3, 05/26/2016

SUP:

AMDT: 2A

DATED: 09/18/2014

**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	KHSA
RUNWAY	RW36
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W36A
LTP/FTP LATITUDE	302122.0450N
LTP/FTP LONGITUDE	0892716.7440W
LTP/FTP ELLIPSOIDAL HEIGHT	-00235
FPAP LATITUDE	302251.3545N
FPAP LONGITUDE	0892716.4585W
THRESHOLD CROSSING HEIGHT (TCH)	00055.1
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0160
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
 <u>CRC REMAINDER</u>	 7F8B7292

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+00039
FPAP ORTHOMETRIC HEIGHT	+00039

QUALITY
24
CHECKED

CITY AND STATE BAY ST LOUIS, MS	ELEVATION: 23 AIRPORT NAME: STENNIS INTL	TDZE: 15 RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 36, AMDT 3, 05/26/2016	SUP:
				AMDT: 2A
				DATED: 09/18/2014

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 - KHSA

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
HAWGS	010	HAWGS	HF	FO		002.2			R			AA 02000		EE A
	010	HAWGS	IF	FB								AA 02000		E I
	020	PORKK	TF	FB	1.0	002.2						AA 01500		E F
	021	RIBDE	TF	FB	0.3	002.2		3.00				AA 00540 GS 00546		E S
	030	RW36	TF	FO	0.3	002.2		3.00				AT 00068		GY M
	040		CA	FB		002.2						AA 00285		M
	050	STENN	DF	FO								AA 02000		EY
	060	STENN	HM	FO		182.2			R			AA 02000		EE

POINTS

POINT NAME	LATITUDE	LONGITUDE
HAWGS	N301008.46	W0892718.90
PORKK	N301651.60	W0892717.61
RIBDE	N301951.84	W0892717.03
STENN	N303544.26	W0892713.96

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW36	N302122.05	W0892716.74	00013	55.1

QUALITY
24
CHECKED

CITY AND STATE BAY ST LOUIS, MS	ELEVATION: 23 TDZE: 15	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 36, AMDT 3 5/26/2016	SUP:
	AIRPORT NAME: STENNIS INTL			AMDT: 2A
				DATED: 09/18/2014

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: CSB NDB							
MCK VOR/DME			CSB NDB			065.14 / 20.94				4300		CLIMB TO 4300 THEN RIGHT TURN DIRECT CSB NDB AND HOLD.							
										ADDITIONAL FLIGHT DATA: HOLD NW, RT, 143.22 INBOUND. WIRRA TO RW15: 3.19/40. CHART CIRCLING ICON. FAC CROSSES RWY C/L EXTENDED 3000 FT FROM THLD.									
1. PT <u>L</u> SIDE OF COURSE <u>323.22</u> OUTBOUND <u>4300</u> FT WITHIN <u>10</u> MILES OF <u>CSB NDB</u> (IAF)																			
2.																			
3. FAC <u>143.22</u> FAF										DIST FAF TO MAP THLD									
4. MIN. ALT <u>WIRRA INT 3280*</u>																			
8. MSA FROM: <u>CSB NDB 4900</u>										MAG VAR: 5E EPOCH YEAR: 2020									
MINIMUMS																			
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT										ALTERNATE: N A X									
CATEGORY =====>		A			B			C			D			E					
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA				
S-15	3280	1	866	3280	1 1/4	866	3280	2 1/2	866		NA								
CIRCLING	3280	1 1/4	866	3280	1 1/4	866	3280	2 1/2	866		NA								
WIRRA FIX MINIMUMS																			
S-15	3000	1	586	3000	1	586	3000	1 3/4	586		NA								
CIRCLING	3000	1	586	3120	1	706	3120	2	706		NA								
NOTES:																			
CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}). *3300 WHEN USING LEXINGTON ALTIMETER SETTING. CHART NOTE: USE MC COOK ALTIMETER SETTING WHEN NOT RECEIVED, USE LEXINGTON ALTIMETER SETTING AND INCREASE ALL MDA 20 FEET, INCREASE S-15 CAT A VISIBILITY 1/4 MILE.																			
CITY AND STATE CAMBRIDGE, NE				ELEVATION: 2414 TDZE: 2414 AIRPORT NAME: CAMBRIDGE MUNI			FACILITY IDENTIFIER: CSB		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: NDB RWY 15, AMDT 4 26 MAY 2016				SUP NDB RWY 14						
													AMDT 3B						
													DATE 07/10/2003						

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: RW15 CLIMB TO 4500 DIRECT YOBRO AND HOLD. ADDITIONAL FLIGHT DATA: HOLD SE, RT, 329.97 INBOUND. CHART FAS OBST: 2452 T-L TWR 401857N/1001004W DISTANCE TO THLD FROM 322 HAT: 0.89 NM. WAAS CHANNEL # 45938 REFERENCE PATH ID: W15A CHART CIRCLING ICON. LTP HAE: 711.2 M							
PANGE (IF/IAF)		KIPEY (FB)		149.83 / 6.00			4000									
KIPEY (FAF)		JITOM/1.80 NM TO RW15 (FB)		149.87 / 3.06												
JITOM/1.80 NM TO RW15		RW15 (MAP) (FO)		149.87 / 1.80												
RW15 (MAP)		2736 MSL		149.87												
2736 MSL		YOBRO (FO)					4500									
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD NW PANGE, RT, 149.83 INBOUND, 4900 FT. IN LIEU OF PT (IAF) 3. FAC: 149.87 FAF: KIPEY DIST FAF TO MAP: 4.86 THLD: 4.86 4. MIN. ALT: PANGE 4900, KIPEY 4000, JITOM/1.80 NM TO RW15 3020* 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 4000 GS ALT AT: KIPEY 4000 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 40.0 34:1 IS CLEAR 8. MSA FROM: _____											MAG VAR: 5E		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	2736	1 1/8	322	2736	1 1/8	322	2736	1 1/8	322		NA					
LNAV/VNAV DA	2736	1 1/8	322	2736	1 1/8	322	2736	1 1/8	322		NA					
LNAV MDA	2780	1	366	2780	1	366	2780	1	366		NA					
CIRCLING	2920	1	506	3120	1	706	3120	2	706		NA					
NOTES: CHART NOTE: BARO-VNAV NA. CHART NOTE: DME/DME RNP-0.3 NA. *LNAV ONLY CHART NOTE: USE MC COOK ALTIMETER SETTING WHEN NOT RECEIVED, USE LEXINGTON ALTIMETER SETTING AND INCREASE LPV AND LNAV/VNAV DA TO 2743, INCREASE ALL MDA 20 FEET.																
CITY AND STATE CAMBRIDGE, NE		ELEVATION: 2414 TDZE: 2414 AIRPORT NAME: CAMBRIDGE MUNI			FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 15, AMDT 1 26 MAY 2016					SUP: RNAV (GPS) RWY 14				
												AMDT: ORIG				
												DATED 07/10/2003				



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

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

TAA

	FROM	TO	ALT
1.	060/30 CW 240/30 (NOPT)	PANGE (IF/IAF) (FB)	4900
2.	240/30 CW 060/30	PANGE (IAF) (FO)	4900

QUALITY
6
CHECKED

CITY AND STATE
CAMBRIDGE, NE

ELEVATION: 2414 TDZE: 2414
AIRPORT NAME:
CAMBRIDGE MUNI

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 15, AMDT 1
26 MAY 2016

SUP: RNAV (GPS) RWY 14
AMDT: ORIG
DATED: 07/10/2003

**RNAV (GPS) 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	KCSB
RUNWAY	RW15
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W15A
LTP/FTP LATITUDE	401842.0300N
LTP/FTP LONGITUDE	1000954.6800W
LTP/FTP ELLIPSOIDAL HEIGHT	+07113
FPAP LATITUDE	401721.2835N
FPAP LONGITUDE	1000905.2885W
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	1504
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
 <u>CRC REMAINDER</u>	 A3F9890C

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+07356
FPAP ORTHOMETRIC HEIGHT	+07356

QUALITY
6
CHECKED

CITY AND STATE

CAMBRIDGE, NE

ELEVATION: 2414

TDZE: 2414

AIRPORT NAME:

CAMBRIDGE MUNI

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 15, AMDT 1

26 MAY 2016

SUP: RNAV (GPS) RWY 14

AMDT: ORIG

DATED: 07/10/2003

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 - KCSB

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
PANGE	010	PANGE	HF	FO		149.8			R			AA 04900		EE A
	010	PANGE	IF	FB								AA 04900		E I
	020	KIPEY	TF	FB	1.0	149.8						AA 04000		E F
	021	JITOM	TF	FB	0.3	149.9		3.00				AA 03020 GS 03027		E S
	030	RW15	TF	FO	0.3	149.9		3.00				AT 02453		GY M
	040		CA	FB		149.9						AA 02736		M
	050	YOBRO	DF	FO								AA 04500		EY
	060	YOBRO	HM	FO		330.0			R			AA 04500		EE

POINTS

POINT NAME	LATITUDE	LONGITUDE
JITOM	N402019.90	W1001054.59
KIPEY	N402306.04	W1001236.42
PANGE	N402832.14	W1001556.76
YOBRO	N400755.37	W1000320.07

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW15	N401842.03	W1000954.68	02413	40

QUALITY
6
CHECKED

CITY AND STATE CAMBRIDGE, NE	ELEVATION: 2414 TDZE: 2414	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 15, AMDT 1 26 MAY 2016	SUP: RNAV (GPS) RWY 14
	AIRPORT NAME: CAMBRIDGE MUNI	RNAV		AMDT: ORIG
				DATED: 07/10/2003

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION		RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33		Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.											
TERMINAL ROUTES										MISSED APPROACH					
FROM		TO		COURSE AND DISTANCE				ALTITUDE		LPV: DA LNAV/VNAV: DA LNAV: RW33					
YOBRO (IF)		WURTC (FB)		329.97 / 6.00				4100		CLIMB TO 4900 DIRECT PANGE AND HOLD.					
WURTC (FAF)		NUVOE/1.70 NM TO RW33 (FB)		329.93 / 3.52											
NUVOE/1.70 NM TO RW33		RW33 (MAP) (FO)		329.93 / 1.70											
RW33 (MAP)		2736 MSL		329.93											
2736 MSL		PANGE (FO)						4900		ADDITIONAL FLIGHT DATA: HOLD NW, RT, 149.83 INBOUND. CHART FAS OBST: 2448 TOWER 401814N/1000932W DISTANCE TO THLD FROM 322 HAT: 0.93 NM. WAAS CHANNEL # 97738 REFERENCE PATH ID: W33A CHART CIRCLING ICON. LTP HAE: 706 M					
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)															
2. HOLD SE YOBRO, RT, 329.97 INBOUND, 4500 FT. IN LIEU OF PT (IAF)															
3. FAC: 329.93 FAF: WURTC DIST FAF TO MAP: 5.22 THLD: 5.22															
4. MIN. ALT: YOBRO 4500, WURTC 4100, NUVOE/1.70 NM TO RW33 2980*															
5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____															
6. MIN GS INCPT: 4100 GS ALT AT: WURTC 4100 OM: _____ MM: _____ IM: _____															
7. GS ANGLE: 3.00 TCH: 40.0 34:1 IS NOT CLEAR															
8. MSA FROM: _____															
MAG VAR: 5E 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	2736	1 1/8	322	2736	1 1/8	322	2736	1 1/8	322		NA				
LNAV/VNAV DA	2736	1 1/8	322	2736	1 1/8	322	2736	1 1/8	322		NA				
LNAV MDA	2780	1	366	2780	1	366	2780	1	366		NA				
CIRCLING															
	2920	1	506	3120	1	706	3120	2	706		NA				
NOTES: CHART NOTE: BARO-VNAV NA. CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. *LNAV ONLY (CONTINUED ON PAGE 2)															
CITY AND STATE CAMBRIDGE, NE		ELEVATION: 2414 TDZE: 2414 AIRPORT NAME: CAMBRIDGE MUNI		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 33, AMDT 1 26 MAY 2016						SUP: RNAV (GPS) RWY 32 AMDT: ORIG DATED 07/10/2003			

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD

INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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

NOTES, (CONT.):

CHART NOTE: USE MC COOK ALTIMETER SETTING WHEN NOT RECEIVED, USE LEXINGTON ALTIMETER SETTING AND INCREASE ALL LPV AND LNAV/VNAV DA TO 2743, INCREASE ALL MDA 20 FEET AND CIRCLING CAT C VISIBILITY 1/8 MILE.

TAA	FROM	TO	ALT
1.	240/30 CW 060/30 (NOPT)	YOBRO (IF/IAF) (FB)	4500
2.	060/30 CW 240/30	YOBRO (IAF) (FO)	4500



CITY AND STATE CAMBRIDGE, NE	ELEVATION: 2414 TDZE: 2414 AIRPORT NAME: CAMBRIDGE MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 33, AMDT 1 26 MAY 2016	SUP: RNAV (GPS) RWY 32
				AMDT: ORIG
				DATED: 07/10/2003

**RNAV (GPS) 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	KCSB
RUNWAY	RW33
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W33A
LTP/FTP LATITUDE	401805.3600N
LTP/FTP LONGITUDE	1000932.2400W
LTP/FTP ELLIPSOIDAL HEIGHT	+07069
FPAP LATITUDE	401926.1005N
FPAP LONGITUDE	1001021.6570W
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	1504
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
 <u>CRC REMAINDER</u>	 15C9FE11

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+07312
FPAP ORTHOMETRIC HEIGHT	+07312

QUALITY
6
CHECKED

CITY AND STATE CAMBRIDGE, NE	ELEVATION: 2414 AIRPORT NAME: CAMBRIDGE MUNI	TDZE: 2414 RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 33, AMDT 1 26 MAY 2016	SUP: RNAV (GPS) RWY 32
				AMDT: ORIG
				DATED: 07/10/2003

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.33

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ARINC SUMMARY - KCSB

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
YOBRO	010	YOBRO	HF	FO		330.0			R			AA 04500		EE A
	010	YOBRO	IF	FB								AA 04500		E I
	020	WURTC	TF	FB	1.0	330.0						AA 04100		E F
	021	NUVOE	TF	FB	0.3	329.9		3.00				AA 02980 GS 02980		E S
	030	RW33	TF	FO	0.3	329.9		3.00				AT 02439		GY M
	040		CA	FB		329.9						AA 02736		M
	050	PANGE	DF	FO								AA 04900		EY
	060	PANGE	HM	FO		149.8			R			AA 04900		EE

POINTS

POINT NAME	LATITUDE	LONGITUDE
NUVOE	N401632.92	W1000835.71
PANGE	N402832.14	W1001556.76
WURTC	N401321.75	W1000638.95
YOBRO	N400755.37	W1000320.07

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW33	N401805.36	W1000932.24	02399	40

QUALITY
6
CHECKED

CITY AND STATE CAMBRIDGE, NE	ELEVATION: 2414 TDZE: 2414 AIRPORT NAME: CAMBRIDGE MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 33, AMDT 1 26 MAY 2016	SUP: RNAV (GPS) RWY 32
				AMDT: ORIG
				DATED: 07/10/2003

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.
CAMBRIDGE, NE	CAMBRIDGE MUNI	26 MAY 2016	ORIG

TAKEOFF MINIMUMS:

RWY 15, 33 STANDARD.

TEXTUAL DEPARTURE PROCEDURES:

VISUAL CLIMB OVER AIRPORT:

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 15: POLE 444 FT FROM DER, 362 FT RIGHT OF CENTERLINE, 30 FT AGL/2419 FT MSL. TREE 837 FT FROM DER, 35 RIGHT OF CENTERLINE, 42 FT AGL/2422 FT MSL.

NOTE: RWY 33: FENCE BEGINNING 70 FT FROM DER, 292 FT RIGHT OF CENTERLINE, UP TO 7 FT AGL/2428 FT MSL. TERRAIN BEGINNING 187 FT FROM DER, 449 FT RIGHT OF CENTERLINE, UP TO 2429 FT MSL.

CONTROLLING OBSTACLES:



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

Bearings, headings, courses, tracks and radials are magnetic. Elevation and altitudes are in feet MSL. Altitudes are minimum altitudes unless otherwise indicated.
Ceilings are in feet above airport elevation. Distances are in nautical miles. Visibilities are in statute miles or feet RVR unless otherwise indicated.

City, State	Airport	Effective Date	Amdt. No.
CAMBRIDGE, NE	CAMBRIDGE MUNI	26 MAY 2016	ORIG

REMARKS:

FLIGHT INSPECTED BY:

PAUL AMSTRONG *Digitally signed by*
JACOB POWERS
Mar 15, 2016

3/3/2016

REQUIRED EFFECTIVE DATE:

DEVELOPED BY:

THOMAS L. KIRKPATRICK

AJV-5422

12/30/2015

Digitally signed by
THOMAS L KIRKPATRICK
Dec 30, 2015

APPROVED BY:

GEORGE GONZALEZ *Digitally signed by*
JACOB POWERS
Mar 15, 2016

AJV-5420

COORDINATED WITH:

ATA, ALPA, AOPA, NBAA, AMGR, ZDV

CHANGES:

ORIGINAL

REASONS:

QUALITY
6
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		LNAV: RW13						
GADYE (IAF)		FAXIB (NOPT) (FB)		222.22 / 5.00			4000		CLIMBING LEFT TURN TO 4000 DIRECT FAXIB AND HOLD.						
JOTOV (IAF)		FAXIB (NOPT) (FB)		042.14 / 5.00			4000								
FAXIB (IF/IAF)		CIBTA (FB)		132.18 / 10.00			2400								
CIBTA (FAF)		RW13 (MAP) (FO)		132.31 / 4.85											
RW13 (MAP)		1227 MSL		132.31					ADDITIONAL FLIGHT DATA: CHART FAS OBST: 1334 TREE 425329N/0731557W						
1227 MSL		FAXIB (FO)					4000								
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)										MAG VAR: 14W EPOCH YEAR: 1980					
2. HOLD NW FAXIB, RT, 132.18 INBOUND, 4000 FT. IN LIEU OF PT (IAF)															
3. FAC: 132.31 FAF: CIBTA DIST FAF TO MAP: 4.85 THLD: 4.85															
4. MIN. ALT: FAXIB 4000, CIBTA 2400															
5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____															
6. MIN GS INCPT: _____ GS ALT AT: _____ OM: _____ MM: _____ IM: _____															
7. GS ANGLE: _____ TCH: 34:1 IS NOT CLEAR															
8. MSA FROM: _____															
MINIMUMS															
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE: N A		X									
CATEGORY ==>>>		A		B		C		D		E					
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LNAV MDA	2280	1 1/4	1461	2280	1 1/2	1461	2280	3	1461		NA				
CIRCLING	2280	1 1/4	1453	2280	1 1/2	1453	2280	3	1453		NA				
NOTES: CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. CHART NOTE: PROCEDURE NA AT NIGHT. CHART NOTE: CIRCLING NA SW OF RWY 13/31. (CONTINUED ON PAGE 2)															
CITY AND STATE BENNINGTON, VT		ELEVATION: 827 TDZE: 819 AIRPORT NAME: WILLIAM H MORSE STATE		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 13, ORIG-D 26 MAY 2016				SUP: 4 AMDT: 9 DATED 10/17/2013					

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

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NOTES, (CONT.):

CHART PROFILE NOTE: VISUAL SEGMENT - OBSTACLES.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED USE NORTH ADAMS, MA ALTIMETER SETTING AND INCREASE ALL MDA 60 FEET.

TAA	FROM	TO	ALT
1.	042/30 CW 222/30 (NOPT)	042/15 CW 222/15	4400
2.	042/15 CW 222/15	FAXIB (IF/IAF) (FB)	4000
3.	222/30 CW 312/30	222/8 CW 312/8	5500
4.	222/8 CW 312/8	GADYE (IAF) (FB)	4000
5.	312/30 CW 042/30	312/10 CW 042/10	4900
6.	312/10 CW 042/10	JOTOV (IAF) (FB)	4000

CITY AND STATE
BENNINGTON, VT

ELEVATION: 827 TDZE: 819
AIRPORT NAME:
WILLIAM H MORSE STATE

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 13, ORIG-D
26 MAY 2016

SUP: 4
AMDT: CHECKED
DATED: 10/17/2013

QUALITY

ORIG-C

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.																																																																																																																																																																									
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CITY AND STATE BENNINGTON, VT ELEVATION: 827 TDZE: 819 AIRPORT NAME: WILLIAM H MORSE STATE FACILITY IDENTIFIER: RNAV PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 13, ORIG-D 26 MAY 2016 SUP: QUALITY 4 AMDT: ORIG-C 4 DATED: 10/17/2013 CHECKED																																																																																																																																																																																				

[4910-13]

DEPARTMENT OF TRANSPORTATION

Federal Aviation Administration

14 CFR Part 97

[Docket No. [31070](#); Amdt. No. [3690](#)]

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

AGENCY: Federal Aviation Administration (FAA), DOT.

ACTION: Final rule.

SUMMARY: This rule amends, suspends, or removes Standard Instrument Approach Procedures (SIAPs) and associated Takeoff Minimums and Obstacle Departure Procedures for operations at certain airports. These regulatory actions are needed because of the adoption of new or revised criteria, or because of changes occurring in the National Airspace System, such as the commissioning of new navigational facilities, adding new obstacles, or changing air traffic requirements. These changes are designed to provide for the 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 matter 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 online 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 Procedures Division, 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, Code of Federal Regulations, Part 97 (14 CFR part 97) by amending the referenced SIAPs. The complete regulatory description of each SIAP is listed on the appropriate FAA Form 8260, as modified by the National Flight Data Center (NFDC)/Permanent Notice to Airmen (P-NOTAM), and is incorporated by reference under 5 U.S.C. 552(a), 1 CFR part 51, and 14 CFR §97.20. The large number of SIAPs, their complex nature, and the need for a special format make their verbatim publication in the **Federal Register** expensive and impractical. Further, airmen do not use the regulatory text of the SIAPs, but refer to their graphic depiction on charts printed by publishers of aeronautical materials. Thus, the advantages of incorporation by reference are realized and publication of the complete description of each SIAP contained on FAA form documents is unnecessary.

This amendment provides the affected CFR sections, and specifies the SIAPs and 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 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 and Takeoff Minimums and ODP as amended in the transmittal. For safety and timeliness of change considerations, this amendment incorporates only specific changes contained for each SIAP and Takeoff Minimums and ODP as modified by FDC permanent NOTAMs.

The SIAPs and Takeoff Minimums and ODPs, as modified by FDC permanent NOTAM, and contained in this amendment are based on the criteria contained in the U.S. Standard for Terminal Instrument Procedures (TERPS). In developing these changes to SIAPs and Takeoff Minimums and ODPs, the TERPS criteria were applied only to specific conditions existing at the affected

airports. All SIAP amendments in this rule have been previously issued by the FAA in a FDC NOTAM as an emergency action of immediate flight safety relating directly to published aeronautical charts.

The circumstances that created the need for these SIAP and Takeoff Minimums and ODP amendments require making them effective in less than 30 days.

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 these 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 MARCH 25, 2016

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 amending Standard Instrument Approach Procedures and Takeoff Minimums and ODPs, 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:

By amending: §97.23 VOR, VOR/DME, VOR or TACAN, and VOR/DME or TACAN; §97.25 LOC, LOC/DME, LDA, LDA/DME, SDF, SDF/DME; §97.27 NDB, NDB/DME; §97.29 ILS, ILS/DME, MLS, MLS/DME, MLS/RNAV; §97.31 RADAR SIAPs; §97.33 RNAV SIAPs; and §97.35 COPTER SIAPs, Identified as follows:

.....EFFECTIVE UPON PUBLICATION

AIRAC DATE	STATE	CITY	AIRPORT	FDC NUMBER	FDC DATE	SUBJECT
28-Apr-16	WA	Spokane	Spokane Intl	5/3564	02/29/16	This NOTAM, published in TL 16-09, is hereby rescinded in its entirety.
28-Apr-16	SC	Darlington	Darlington County Jetport	6/2449	03/07/16	This NOTAM, published in TL 16-09, is hereby rescinded in its entirety.
28-Apr-16	NE	Minden	Pioneer Village Field	6/2710	02/22/16	This NOTAM, published in TL 16-09, is hereby rescinded in its entirety.
AIRAC DATE	STATE	CITY	AIRPORT	FDC NUMBER	FDC DATE	SUBJECT
28-Apr-16	MI	Menominee	Menominee-Marquette Twin County	5/0762	03/14/16	RNAV (GPS) RWY 21, Orig
28-Apr-16	MI	Menominee	Menominee-Marquette Twin County	5/0763	03/14/16	VOR-A, Amdt 3
28-Apr-16	NC	Charlotte	Charlotte/Douglas Intl	5/6564	03/09/16	RNAV (GPS) Y RWY 18C, Amdt 3B
28-Apr-16	IN	Richmond	Richmond Muni	5/7969	03/09/16	ILS OR LOC RWY 24, Amdt 1
28-Apr-16	IN	Richmond	Richmond Muni	5/7971	03/09/16	RNAV (GPS) RWY 6, Orig
28-Apr-16	IN	Richmond	Richmond Muni	5/7972	03/09/16	RNAV (GPS) RWY 24, Orig
28-Apr-16	IN	Richmond	Richmond Muni	5/7977	03/09/16	VOR RWY 6, Amdt 12
28-Apr-16	IN	Richmond	Richmond Muni	5/7982	03/09/16	VOR RWY 24, Amdt 13
28-Apr-16	MO	Fulton	Elton Hensley Memorial	5/9540	03/10/16	RNAV (GPS) RWY 24, Amdt 1
28-Apr-16	MO	Fulton	Elton Hensley Memorial	5/9541	03/10/16	RNAV (GPS) RWY 6, Amdt 1
28-Apr-16	MO	Fulton	Elton Hensley Memorial	5/9542	03/10/16	VOR-A, Amdt 4
28-Apr-16	MO	Fulton	Elton Hensley Memorial	5/9543	03/10/16	RNAV (GPS) RWY 18, Orig
28-Apr-16	PA	Lehighton	Jake Arner Memorial	6/0164	03/14/16	RNAV (GPS) RWY 26, Amdt 1B
28-Apr-16	PA	Lehighton	Jake Arner Memorial	6/0165	03/14/16	RNAV (GPS) RWY 8, Amdt 1B
28-Apr-16	AZ	Window Rock	Window Rock	6/0461	03/14/16	RNAV (GPS) RWY 2, Amdt 1A
28-Apr-16	AZ	Window Rock	Window Rock	6/0462	03/14/16	VOR/DME-A, Orig-C
28-Apr-16	AZ	Window Rock	Window Rock	6/0463	03/14/16	RNAV (GPS)-B, Orig-B
28-Apr-16	NY	Poughkeepsie	Dutchess County	6/0499	03/17/16	ILS OR LOC RWY 6, Amdt 6B

28-Apr-16	NY	Poughkeepsie	Dutchess County	6/0500	03/17/16	RNAV (GPS) RWY 6, Orig-C
28-Apr-16	NY	Poughkeepsie	Dutchess County	6/0501	03/17/16	RNAV (GPS) RWY 24, Orig-C
28-Apr-16	NY	Poughkeepsie	Dutchess County	6/0502	03/17/16	VOR/DME RWY 24, Amdt 4D
28-Apr-16	NY	Poughkeepsie	Dutchess County	6/0503	03/17/16	VOR-A, Amdt 11C
28-Apr-16	AZ	Grand Canyon	Grand Canyon National Park	6/0507	03/14/16	ILS OR LOC/DME RWY 3, Orig-B
28-Apr-16	AZ	Grand Canyon	Grand Canyon National Park	6/0508	03/14/16	VOR RWY 3, Amdt 5A
28-Apr-16	NM	Santa Teresa	Dona Ana County At Santa Teresa	6/1721	03/10/16	Takeoff Minimums and (Obstacle) DP, Orig
28-Apr-16	TN	Portland	Portland Muni	6/1908	03/14/16	RNAV (GPS) RWY 19, Orig
28-Apr-16	TN	Portland	Portland Muni	6/1910	03/14/16	RNAV (GPS) RWY 1, Orig
28-Apr-16	IN	Greencastle	Putnam County Rgnl	6/2287	03/10/16	VOR/DME-A, Amdt 6
28-Apr-16	IN	Greencastle	Putnam County Rgnl	6/2288	03/10/16	RNAV (GPS) RWY 18, Amdt 1
28-Apr-16	IN	Greencastle	Putnam County Rgnl	6/2289	03/10/16	RNAV (GPS) RWY 36, Amdt 1A
28-Apr-16	NE	Cozad	Cozad Muni	6/2707	03/10/16	RNAV (GPS) RWY 13, Amdt 1
28-Apr-16	NE	Cozad	Cozad Muni	6/2708	03/10/16	RNAV (GPS) RWY 31, Amdt 1
28-Apr-16	NE	Cozad	Cozad Muni	6/2712	03/10/16	VOR RWY 13, Amdt 2
28-Apr-16	KS	Emporia	Emporia Muni	6/2726	03/09/16	RNAV (GPS) RWY 1, Orig
28-Apr-16	KS	Emporia	Emporia Muni	6/2727	03/09/16	RNAV (GPS) RWY 19, Orig
28-Apr-16	WI	Sturgeon Bay	Door County Cherryland	6/3138	03/14/16	RNAV (GPS) RWY 28, Orig
28-Apr-16	WI	Sturgeon Bay	Door County Cherryland	6/3142	03/14/16	RNAV (GPS) RWY 20, Amdt 1
28-Apr-16	WI	Sturgeon Bay	Door County Cherryland	6/3144	03/14/16	RNAV (GPS) RWY 10, Orig
28-Apr-16	WI	Sturgeon Bay	Door County Cherryland	6/3146	03/14/16	RNAV (GPS) RWY 2, Amdt 1A
28-Apr-16	NY	Potsdam	Potsdam Muni/Damon Fld/	6/3300	03/14/16	NDB RWY 24, Amdt 5A
28-Apr-16	NY	Potsdam	Potsdam Muni/Damon Fld/	6/3301	03/14/16	RNAV (GPS) RWY 24, Orig
28-Apr-16	NC	Charlotte	Charlotte/Douglas Intl	6/3420	03/09/16	ILS OR LOC RWY 5, Amdt 38
28-Apr-16	NC	Charlotte	Charlotte/Douglas Intl	6/3421	03/09/16	ILS OR LOC RWY 18C, Amdt 10C
28-Apr-16	NC	Charlotte	Charlotte/Douglas Intl	6/3422	03/09/16	ILS OR LOC RWY 23, Amdt 3B

28-Apr-16	NC	Charlotte	Charlotte/Douglas Intl	6/3423	03/09/16	ILS OR LOC RWY 36C, Amdt 16B
28-Apr-16	NC	Charlotte	Charlotte/Douglas Intl	6/3424	03/09/16	RNAV (GPS) Y RWY 5, Amdt 3
28-Apr-16	NC	Charlotte	Charlotte/Douglas Intl	6/3425	03/09/16	RNAV (GPS) Y RWY 23, Amdt 1
28-Apr-16	NC	Charlotte	Charlotte/Douglas Intl	6/3426	03/09/16	RNAV (GPS) Y RWY 36C, Amdt 3B
28-Apr-16	MN	Minneapolis	Minneapolis-St Paul Intl/Wold-Chamberlain	6/3719	03/14/16	ILS V RWY 30R (Converging), Amdt 3A
28-Apr-16	KS	Emporia	Emporia Muni	6/3792	03/09/16	VOR-A, Amdt 14
28-Apr-16	OR	Medford	Rogue Valley Intl - Medford	6/3825	03/10/16	Takeoff Minimums and (Obstacle) DP, Amdt 10
28-Apr-16	OH	Wooster	Wayne County	6/4046	03/10/16	VOR RWY 28, Orig-C
28-Apr-16	OH	Wooster	Wayne County	6/4048	03/10/16	RNAV (GPS) RWY 28, Orig
28-Apr-16	TX	Marshall	Harrison County	6/4051	03/14/16	RNAV (GPS) RWY 33, Orig-A
28-Apr-16	TX	Marshall	Harrison County	6/4052	03/14/16	RNAV (GPS) RWY 15, Orig-A
28-Apr-16	TX	Marshall	Harrison County	6/4053	03/14/16	VOR/DME-A, Amdt 4D
28-Apr-16	MT	Dillon	Dillon	6/4502	03/09/16	VOR-A, Amdt 8
28-Apr-16	MT	Dillon	Dillon	6/4503	03/09/16	VOR/DME-B, Amdt 2
28-Apr-16	MT	Dillon	Dillon	6/4506	03/09/16	RNAV (GPS) RWY 17, Amdt 1A
28-Apr-16	GA	Columbus	Columbus	6/4743	03/14/16	RNAV (GPS) RWY 13, Orig-A
28-Apr-16	GA	Columbus	Columbus	6/4744	03/14/16	ILS OR LOC RWY 6, Amdt 25B
28-Apr-16	GA	Columbus	Columbus	6/4749	03/14/16	RNAV (GPS) RWY 24, Orig-A
28-Apr-16	NY	Syracuse	Syracuse Hancock Intl	6/4922	03/14/16	TACAN RWY 33, Orig-A
28-Apr-16	NY	Syracuse	Syracuse Hancock Intl	6/4923	03/14/16	ILS OR LOC RWY 10, Amdt 13
28-Apr-16	NY	Syracuse	Syracuse Hancock Intl	6/4924	03/14/16	VOR RWY 15, Amdt 23A
28-Apr-16	NY	Syracuse	Syracuse Hancock Intl	6/4925	03/14/16	ILS OR LOC RWY 28, ILS RWY 28 (SA CAT I), ILS RWY 28 (CAT II), Amdt 34A
28-Apr-16	VT	Bennington	William H Morse State	6/4995	03/14/16	VOR RWY 13, Amdt 1A
28-Apr-16	SC	Darlington	Darlington County Jetport	6/5046	03/14/16	NDB RWY 23, Amdt 1
28-Apr-16	LA	Houma	Houma-Terrebonne	6/5719	03/14/16	ILS OR LOC RWY 18, Amdt 4
28-Apr-16	ND	Grand Forks	Grand Forks Intl	6/5851	03/14/16	ILS OR LOC RWY 35L, Amdt 12
28-Apr-16	ND	Grand Forks	Grand Forks Intl	6/5852	03/14/16	RNAV (GPS) RWY 35L, Orig
28-Apr-16	ND	Grand Forks	Grand Forks Intl	6/5853	03/14/16	VOR RWY 35L, Amdt 7

28-Apr-16	MN	Minneapolis	Minneapolis-St Paul Intl/Wold-Chamberlain	6/5959	03/14/16	ILS V RWY 30L (Converging), Amdt 2
28-Apr-16	MN	Minneapolis	Minneapolis-St Paul Intl/Wold-Chamberlain	6/5960	03/14/16	RNAV (GPS) Z RWY 30L, Amdt 4
28-Apr-16	MN	Minneapolis	Minneapolis-St Paul Intl/Wold-Chamberlain	6/5961	03/14/16	ILS V RWY 35 (Converging), Amdt 4
28-Apr-16	TN	Dickson	Dickson Muni	6/6275	03/14/16	NDB RWY 17, Amdt 2D
28-Apr-16	TN	Dickson	Dickson Muni	6/6276	03/14/16	VOR/DME RWY 17, Amdt 4E
28-Apr-16	NC	New Bern	Coastal Carolina Regional	6/6301	03/10/16	RNAV (GPS) RWY 4, Amdt 1
28-Apr-16	WV	Bluefield	Mercer County	6/6304	03/14/16	ILS OR LOC RWY 23, Amdt 15A
28-Apr-16	WV	Bluefield	Mercer County	6/6305	03/14/16	VOR/DME RWY 23, Amdt 5A
28-Apr-16	WV	Bluefield	Mercer County	6/6306	03/14/16	RNAV (GPS) RWY 23, Orig-A
28-Apr-16	TN	Nashville	John C Tune	6/6369	03/14/16	ILS OR LOC/DME RWY 20, Amdt 2
28-Apr-16	MN	Minneapolis	Minneapolis-St Paul Intl/Wold-Chamberlain	6/6424	03/14/16	ILS Z OR LOC RWY 30R, Amdt 15
28-Apr-16	MN	Minneapolis	Minneapolis-St Paul Intl/Wold-Chamberlain	6/6426	03/14/16	RNAV (GPS) Z RWY 30R, Amdt 3
28-Apr-16	TX	Seymour	Seymour Muni	6/6437	03/09/16	GPS RWY 17, Orig
28-Apr-16	VA	Newport News	Newport News/Williamsburg Intl	6/6676	03/10/16	RNAV (GPS) RWY 25, Amdt 2A
28-Apr-16	VA	Newport News	Newport News/Williamsburg Intl	6/6679	03/10/16	ILS OR LOC RWY 25, Amdt 1B
28-Apr-16	MT	Butte	Bert Mooney	6/6791	03/14/16	LOC/DME RWY 15, Amdt 7
28-Apr-16	AZ	Grand Canyon	Grand Canyon National Park	6/7427	03/14/16	RNAV (GPS) RWY 3, Orig-A
28-Apr-16	MA	Taunton	Taunton Muni - King Field	6/7777	03/14/16	NDB RWY 30, Amdt 5A
28-Apr-16	MA	Taunton	Taunton Muni - King Field	6/7778	03/14/16	RNAV (GPS) RWY 30, Orig-A
28-Apr-16	WI	Viroqua	Viroqua Muni	6/7802	03/10/16	RNAV (GPS) RWY 29, Orig-A
28-Apr-16	WA	Spokane	Spokane Intl	6/8435	03/22/16	RNAV (RNP) Z RWY 7, Orig
28-Apr-16	OH	Wooster	Wayne County	6/8706	03/22/16	VOR RWY 10, Amdt 1

28-Apr-16	MN	Minneapolis	Minneapolis-St Paul Intl/Wold-Chamberlain	6/8908	03/14/16	ILS Z OR LOC RWY 30L, ILS Z RWY 30 L (CAT II), Amdt 46A
28-Apr-16	MT	Deer Lodge	Deer Lodge-City-County	6/9524	03/14/16	RNAV (GPS)-A, Orig
28-Apr-16	CA	Los Angeles	Los Angeles Intl	6/9824	03/17/16	RNAV (RNP) Z RWY 6L, Orig-C

AIRAC Date: 28 APRIL 2016

FDC **5/0762** MNM IAP MENOMINEE-MARINETTE TWIN COUNTY, MENOMINEE, MI. RNAV (GPS) RWY 21, ORIG... LNAV CAT C/D VIS 1 1/8. CIRCLING CAT D MDA 1460/HAA 835, VIS 2 3/4. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. CHART NOTE: CIRCLING RWY 14/32 NA AT NIGHT. ALTERNATE MINIMUMS STANDARD, EXCEPT NA WHEN LOCAL WEATHER NOT AVAILABLE, CAT D 900-2 3/4. 34:1 IS NOT CLEAR. CHART CIRCLING ICON. THIS IS RNAV (GPS) RWY 21, ORIG-A. 1512222207-PERM

FDC **5/0763** MNM IAP MENOMINEE-MARINETTE TWIN COUNTY, MENOMINEE, MI. VOR-A, AMDT 3... CIRCLING CAT D MDA 1460/HAA 835, VIS 2 3/4. CHART NOTE: CIRCLING RWY 14/32 NA AT NIGHT. CHART CIRCLING ICON. ALTERNATE MINIMUMS: STANDARD EXCEPT: NA WHEN LOCAL WEATHER NOT AVAILABLE, CAT D 900-2 3/4.. THIS IS VOR-A, AMDT 3A. 1512222207-PERM

FDC **5/6564** CLT IAP CHARLOTTE/DOUGLAS INTL, CHARLOTTE, NC. RNAV (GPS) Y RWY 18C, AMDT 3B... LNAV MDA/HAT 1220/478 ALL CATS, CATS A/B VISIBILITY RVR 4000, CAT C VISIBILITY RVR 5000. CHART CIRCLING ICON. CIRCLING CATS C/D MDA/HAA 1500/752, CAT C VISIBILITY 2 1/4, CAT D VISIBILITY 2 1/2. THIS IS RNAV (GPS) Y RWY 18C, AMDT 3C. 1512141704-PERM

FDC **5/7969** RID IAP RICHMOND MUNI, RICHMOND, IN. ILS OR LOC RWY 24, AMDT 1... S-LOC 24 MDA 1540/HAT 401 ALL CATS, VIS CAT A/B 1, CAT C/D FROM 1 TO 1 1/8. CHART FAS OBST: 1273 TREE 394720N/0844726W. DELETE NOTE: WHEN USING JAMES M COX DAYTON INTL ALTIMETER SETTING INOPERATIVE TABLE DOES NOT APPLY TO S-LOC 24 CAT C. CHANGE LOCAL ALTIMETER SETTING NOTE TO READ: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE JAMES M COX DAYTON INTL ALTIMETER SETTING: INCREASE DA ALL CATS TO 1427 FT AND ALL VISIBILITIES 1/8 MILE; INCREASE ALL MDA 100 FT AND S-LOC 24 CAT C/D VISIBILITY 1/4 MILE. THIS IS ILS OR LOC RWY 24, AMDT 1A. 1511041622-PERM

FDC **5/7971** RID IAP RICHMOND MUNI, RICHMOND, IN. RNAV (GPS) RWY 6, ORIG... LNAV HAT 344 ALL CATS. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. CHART TDZE 1136. 34:1 IS NOT CLEAR. THIS IS RNAV (GPS) RWY 6, ORIG-A. 1511041624-PERM

FDC **5/7972** RID IAP RICHMOND MUNI, RICHMOND, IN. RNAV (GPS) RWY 24, ORIG... LNAV MDA 1540/HAT 401 ALL CATS, VIS CAT A/B 1, CAT C/D 1 1/8. CHART FAS OBST: 1273 TREE 394720N/0844726W. DELETE NOTE: INOPERATIVE TABLE DOES NOT APPLY TO LNAV/VNAV ALL CATS. DELETE NOTE: WHEN USING JAMES M COX DAYTON INTL ALTIMETER SETTING INOPERATIVE TABLE DOES NOT APPLY TO LNAV/VNAV ALL CATS AND LNAV CAT C. VDP AT 1.11 MILES TO RW24*. CHANGE LOCAL ALTIMETER SETTING NOTE TO READ: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE JAMES M COX DAYTON INTL ALTIMETER SETTING: INCREASE LPV ALL CATS DA TO 1427 FT, LNAV/VNAV ALL CATS DA TO 1637 FT AND ALL VISIBILITIES 1/4 MILE; INCREASE ALL MDA 100 FT AND LNAV CAT C/D VISIBILITY 1/4 MILE. THIS IS RNAV (GPS) RWY 24, ORIG-A. 1511041625-PERM

FDC **5/7977** RID IAP RICHMOND MUNI, RICHMOND, IN. VOR RWY 6, AMDT 12... S-6 HAT 524 ALL CATS. BOTKE FIX MINIMUMS: S-6 HAT 364 ALL CATS. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. CHART TDZE 1136. THIS IS VOR RWY 6, AMDT 12A. 1511041626-PERM

FDC **5/7982** RID IAP RICHMOND MUNI, RICHMOND, IN. VOR RWY 24, AMDT 13... S-24 CAT A/B VIS 1. BOWHU FIX MINIMUMS: S-24 CAT A/B VIS 1. DELETE NOTE: INOPERATIVE TABLE DOES NOT APPLY TO S-24/BOWHU FIX MINIMUMS S-24 CAT C. DELETE NOTE: WHEN USING JAMES M COX DAYTON INTL ALTIMETER SETTING INOPERATIVE TABLE DOES NOT APPLY TO S-24/BOWHU FIX MINIMUMS S-24 CAT C. THIS IS VOR RWY 24, AMDT 13A. 1511041628-PERM

FDC **5/9540** FTT IAP ELTON HENSLEY MEMORIAL, FULTON, MO. RNAV (GPS) RWY 24, AMDT 1... CHART NOTE: NIGHT LANDING: RWY 06, 24 NA. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. 34:1 IS NOT CLEAR. CHART NOTE: CIRCLING NA TO RWYS 12 AND 30. THIS IS RNAV (GPS) RWY 24, AMDT 1A. 1512181833-PERM

FDC **5/9541** FTT IAP ELTON HENSLEY MEMORIAL, FULTON, MO. RNAV (GPS) RWY 6, AMDT 1... CHART NOTE: NIGHT LANDING: RWY 06, 24 NA. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. 34:1 IS NOT CLEAR. CHART NOTE: CIRCLING NA TO RWYS 12 AND 30. THIS IS RNAV (GPS) RWY 6, AMDT 1A. 1512181833-PERM

FDC **5/9542** FTT IAP ELTON HENSLEY MEMORIAL, FULTON, MO. VOR-A, AMDT 4... CHART NOTE: NIGHT LANDING: RWY 06, 24 NA. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. CHART NOTE: CIRCLING NA TO RWYS 12 AND 30. THIS IS VOR-A, AMDT 4A. 1512181833-PERM

FDC **5/9543** FTT IAP ELTON HENSLEY MEMORIAL, FULTON, MO. RNAV (GPS) RWY 18, ORIG... CHART NOTE: NIGHT LANDING: RWY 06, 24 NA. CHART NOTE: CIRCLING NA TO RWYS 12 AND 30. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. THIS IS RNAV (GPS) RWY 18, ORIG-A. 1512181833-PERM

FDC **6/0164** 22N IAP JAKE ARNER MEMORIAL, LEHIGHTON, PA. RNAV (GPS) RWY 26, AMDT 1B... CHANGE HELICOPTER VISIBILITY NOTE TO READ: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.. THIS IS RNAV (GPS) RWY 26, AMDT 1C. 1602041556-PERM

FDC **6/0165** 22N IAP JAKE ARNER MEMORIAL, LEHIGHTON, PA. RNAV (GPS) RWY 8, AMDT 1B... DELETE NOTE: NIGHT LANDING: RWY 26 NA. THIS IS RNAV (GPS) RWY 8, AMDT 1C. 1602041556-PERM

FDC **6/0461** RQE IAP WINDOW ROCK, WINDOW ROCK, AZ. RNAV (GPS) RWY 2, AMDT 1A... CHART NIGHT LANDING: RWY 20 NA. DELETE NOTE: CIRCLING TO RWY 20 NA AT NIGHT. THIS IS RNAV (GPS) RWY 2, AMDT 1B. 1602041955-PERM

FDC **6/0462** RQE IAP WINDOW ROCK, WINDOW ROCK, AZ. VOR/DME-A, ORIG-C... CHART NOTE: NIGHT LANDING: RWY 20 NA. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NA. THIS IS VOR/DME-A, ORIG-D. 1602041955-PERM

FDC **6/0463** RQE IAP WINDOW ROCK, WINDOW ROCK, AZ. RNAV (GPS)-B, ORIG-B... CHART NOTE: NIGHT LANDING: RWY 20 NA. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NA. DELETE NOTE: VISIBILITY REDUCTION BY HELICOPTER NA. THIS IS RNAV (GPS)-B, ORIG-C. 1602041955-PERM

FDC **6/0499** POU IAP DUTCHESS COUNTY, POUGHKEEPSIE, NY. ILS OR LOC RWY 6, AMDT 6B... DELETE NOTE: PROCEDURE NA AT NIGHT. CHART NOTE: NIGHT LANDING: RWY 15, 33 NA. CHART NOTE: CIRCLING TO RWY 7, 25 NA. CHANGE HELICOPTER VISIBILITY REDUCTION NOTE TO READ: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. THIS IS ILS OR LOC RWY 6, AMDT 6C. 1602042035-PERM

FDC **6/0500** POU IAP DUTCHESS COUNTY, POUGHKEEPSIE, NY. RNAV (GPS) RWY 6, ORIG-C... DELETE NOTE: NIGHT LANDING: RWY 6, 15, 33 NA. CHART NOTE: NIGHT LANDING: RWY 15, 33 NA. CHANGE HELICOPTER VISIBILITY REDUCTION NOTE TO READ: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. CHART NOTE: CIRCLING TO RWY 7, 25 NA. THIS IS RNAV (GPS) RWY 6, ORIG-D. 1602042035-PERM

FDC **6/0501** POU IAP DUTCHESS COUNTY, POUGHKEEPSIE, NY. RNAV (GPS) RWY 24, ORIG-C... DELETE NOTE: NIGHT LANDING: RWY 6, 15, 33 NA. CHART NOTE: NIGHT LANDING: RWY 15, 33 NA. CHART NOTE: CIRCLING TO RWY 7, 25 NA. CHANGE HELICOPTER VISIBILITY REDUCTION NOTE TO READ: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. THIS IS RNAV (GPS) RWY 24, ORIG-D. 1602042035-PERM

FDC **6/0502** POU IAP DUTCHESS COUNTY, POUGHKEEPSIE, NY. VOR/DME RWY 24, AMDT 4D... DELETE NOTE: NIGHT LANDING: RWY 6, 15, 33 NA. CHART NOTE: NIGHT LANDING: RWY 15, 33 NA. CHART NOTE: CIRCLING TO RWY 7, 25 NA. CHANGE HELICOPTER VISIBILITY REDUCTION NOTE TO READ: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. THIS IS VOR/DME RWY 24, AMDT 4E. 1602042035-PERM

FDC **6/0503** POU IAP DUTCHESS COUNTY, POUGHKEEPSIE, NY. VOR-A, AMDT 11C... DELETE NOTE: NIGHT LANDING: RWY 6, 15, 33 NA. CHART NOTE: NIGHT LANDING: RWY 15, 33 NA. CHART NOTE: CIRCLING TO RWY 7, 25 NA. THIS IS VOR-A, AMDT 11D. 1602042035-PERM

FDC **6/0507** GCN IAP GRAND CANYON NATIONAL PARK, GRAND CANYON, AZ. ILS OR LOC/DME RWY 3, ORIG-B... S-LOC 3 VISIBILITY CATS A/B 1 MILE. DELETE NOTE: INOPERATIVE TABLE DOES NOT APPLY TO S-LOC 3 CAT C. THIS IS ILS OR LOC/DME RWY 3, ORIG-C. 1602042044-PERM

FDC **6/0508** GCN IAP GRAND CANYON NATIONAL PARK, GRAND CANYON, AZ. VOR RWY 3, AMDT 5A... S-3 VISIBILITY CATS A/B 1 MILE. DELETE NOTE: INOPERATIVE TABLE DOES NOT APPLY TO S-3 CAT C. THIS IS VOR RWY 3, AMDT 5B. 1602042044-PERM

FDC **6/1721** 5T6 ODP DONA ANA COUNTY AT SANTA TERESA, SANTA TERESA, NM. TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES ORIG... TAKEOFF OBSTACLE NOTES: RWY 10, MULTIPLE BUSHES BEGINNING 5 FT FROM DER, 322 FT LEFT OF CENTERLINE, UP TO 7 FT AGL/4115 FT MSL. BUSH BEGINNING 158 FT FROM DER, 518 FT RIGHT OF CENTERLINE, UP TO 7 FT AGL/4115 FT MSL. RWY 28, SIGN 31 FT FROM DER, 250 FT LEFT OF CENTERLINE, UP TO 2 FT AGL/4113 FT MSL. RAIL ROAD 1335 FT FROM DER, 837 FT LEFT OF CENTERLINE, UP TO 23 FT AGL/4148 FT MSL. ALL OTHER DATA REMAINS AS PUBLISHED. THIS IS TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES, ORIG-A. 1601082143-PERM

FDC **6/1908** 1M5 IAP PORTLAND MUNI, PORTLAND, TN. RNAV (GPS) RWY 19, ORIG... CHANGE THRE 770 TO TDZE 804. LPV DA 1054, VIS 1 ALL CATS. LNAV/VNAV DA 1094, VIS 1 1/8 ALL CATS. LNAV HAT 356 ALL CATS, CAT C/D VIS 1. CHANGE LOCAL ALTIMETER SETTING NOT RECEIVED NOTE TO READ: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE BOWLING GREEN ALTIMETER SETTING AND INCREASE LPV DA TO 1144 AND ALL VISIBILITIES 1/4 MILE; INCREASE ALL LNAV/VNAV DA TO 1184 AND ALL VISIBILITIES 1/4 MILE; INCREASE ALL MDA 100 FT AND INCREASE LNAV CAT C/D VISIBILITY 3/8 MILE. CHANGE UNCOMPENSATED BARO-VNAV NOTE TO READ: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16 (4F) OR ABOVE 54C (130F). THIS IS RNAV (GPS) RWY 19, ORIG-A. 1602091309-PERM

FDC **6/1910** 1M5 IAP PORTLAND MUNI, PORTLAND, TN. RNAV (GPS) RWY 1, ORIG... CHANGE THRE 817 TO TDZE 817. LPV ALL CATS VIS 1. CHANGE LOCAL ALTIMETER SETTING NOT RECEIVED NOTE TO READ: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE BOWLING GREEN ALTIMETER SETTING AND INCREASE LPV DA TO 1180 AND ALL VISIBILITIES 1/8 MILE; INCREASE ALL LNAV/VNAV DA TO 1210 AND ALL VISIBILITIES 1/4 MILE; INCREASE ALL MDA 100 FT AND INCREASE LNAV CAT C/D VISIBILITY 1/4 MILE. CHANGE HELICOPTER NOTE TO READ: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. CHANGE UNCOMPENSATED BARO-VNAV NOTE TO READ: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16 (4F) OR ABOVE 54C (130F). THIS IS RNAV (GPS) RWY 1, ORIG-A. 1602091312-PERM

FDC **6/2287** 4I7 IAP PUTNAM COUNTY RGNL, GREENCASTLE, IN. VOR/DME-A, AMDT 6... CHANGE AIRPORT NAME TO READ PUTNAM COUNTY RGNL. THIS IS VOR/DME-A, AMDT 6A. 1602092210-PERM

FDC **6/2288** 4I7 IAP PUTNAM COUNTY RGNL, GREENCASTLE, IN. RNAV (GPS) RWY 18, AMDT 1... CHANGE AIRPORT NAME TO READ PUTNAM COUNTY RGNL. CHANGE HELICOPTER VISIBILITY REDUCTION NOTE TO READ: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. THIS IS RNAV (GPS) RWY 18, AMDT 1A. 1602092212-PERM

FDC **6/2289** 4I7 IAP PUTNAM COUNTY RGNL, GREENCASTLE, IN. RNAV (GPS) RWY 36, AMDT 1A... CHANGE AIRPORT NAME TO READ PUTNAM COUNTY RGNL. CHANGE HELICOPTER VISIBILITY REDUCTION NOTE TO READ: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE 3.00/TCH 26). THIS IS RNAV (GPS) RWY 36, AMDT 1B. 1602092214-PERM

FDC **6/2707** CZD IAP COZAD MUNI, COZAD, NE. RNAV (GPS) RWY 13, AMDT 1...
DELETE NOTE: CIRCLING TO RWY 18, 31, 36 NA AT NIGHT. CHART NOTE:
CIRCLING NA TO RWYS 18 AND 36. CHART NOTE: HELICOPTER VISIBILITY
REDUCTION BELOW 3/4 SM NOT AUTHORIZED. 34:1 IS NOT CLEAR. THIS IS
RNAV (GPS) RWY 13, AMDT 1A. 1603071737-PERM

FDC **6/2708** CZD IAP COZAD MUNI, COZAD, NE. RNAV (GPS) RWY 31, AMDT 1...
DELETE NOTE: CIRCLING TO RWY 18, 31, 36 NA AT NIGHT. DELETE NOTE:
VISIBILITY REDUCTION BY HELICOPTERS NA. CHART NOTE: CIRCLING NA TO
RWYS 18 AND 36. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW
3/4 SM NOT AUTHORIZED. THIS IS RNAV (GPS) RWY 31, AMDT 1A. 1603071737-
PERM

FDC **6/2712** CZD IAP COZAD MUNI, COZAD, NE. VOR RWY 13, AMDT 2... CHART
NOTE: CIRCLING NA TO RWYS 18 AND 36. CHART NOTE: HELICOPTER
VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. THIS IS VOR RWY
13, AMDT 2A. 1603071737-PERM

FDC **6/2726** EMP IAP EMPORIA MUNI, EMPORIA, KS. RNAV (GPS) RWY 1,
ORIG... LNAV MDA 1800/HAT 592 ALL CATS. VIS CAT C 1 3/4. CIRCLING MDA
1800/HAA 592 ALL CATS. VIS CAT C 1 3/4. CHART NOTE: CIRCLING NA TO
RWYS 6 AND 24. ALTERNATE MINIMUMS: STANDARD. DELETE NOTE:
VISIBILITY REDUCTION BY HELICOPTERS NA. 34:1 IS CLEAR. THIS IS RNAV
(GPS) RWY 1, ORIG-A. 1603071745-PERM

FDC **6/2727** EMP IAP EMPORIA MUNI, EMPORIA, KS. RNAV (GPS) RWY 19,
ORIG... CHART NOTE: CIRCLING NA TO RWYS 6 AND 24. ALTERNATE
MINIMUMS: STANDARD. THIS IS RNAV (GPS) RWY 19, ORIG-A. 1603071745-
PERM

FDC **6/3138** SUE IAP DOOR COUNTY CHERRYLAND, STURGEON BAY, WI. RNAV
(GPS) RWY 28, ORIG... LNAV CAT C VIS 1 3/8. CHART NOTE: WHEN LOCAL
ALTIMETER SETTING NOT RECEIVED, USE MENOMINEE ALTIMETER SETTING
AND INCREASE ALL MDA 60 FT, AND LNAV CAT C VISIBILITY 1/8 MILE. CHART
NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.
DELETE VDP. DELETE: DESCENT ANGLE 3.05/TCH 35. CHART PROFILE NOTE:
VISUAL SEGMENT - OBSTACLES. 34:1 IS NOT CLEAR. ALTERNATE MINIMUMS:
STANDARD EXCEPT NA WHEN LOCAL WEATHER NOT AVAILABLE. THIS IS
RNAV (GPS) RWY 28, ORIG-A. 1603081402-PERM

FDC **6/3142** SUE IAP DOOR COUNTY CHERRYLAND, STURGEON BAY, WI. RNAV (GPS) RWY 20, AMDT 1... LPV VIS 7/8 ALL CATS. LNAV CAT C/D VIS 1 1/8. CIRCLING CAT A HAA 436, CAT B/C HAA 456, CAT D HAA 556. CHANGE LOCAL ALTIMETER SETTING NOTE TO READ: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE MENOMINEE ALTIMETER SETTING AND INCREASE ALL DA/MDA 60 FT, AND LPV, LNAV/VNAV AND LNAV CAT C/D VISIBILITIES 1/4 MILE. CHANGE BARO-VNAV NA NOTE TO READ: BARO-VNAV AND VDP NA WHEN USING MENOMINEE ALTIMETER SETTING. CHART APT ELEV 724. THIS IS RNAV (GPS) RWY 20, AMDT 1A. 1603081410-PERM

FDC **6/3144** SUE IAP DOOR COUNTY CHERRYLAND, STURGEON BAY, WI. RNAV (GPS) RWY 10, ORIG... LNAV CAT C VIS 1 1/8. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE MENOMINEE ALTIMETER SETTING AND INCREASE ALL MDA 60 FT, AND LNAV CAT C VISIBILITY 1/4 MILE. CHART NOTE: VDP NA WHEN USING MENOMINEE ALTIMETER SETTING. ALTERNATE MINIMUMS: STANDARD EXCEPT NA WHEN LOCAL WEATHER NOT AVAILABLE. THIS IS RNAV (GPS) RWY 10, ORIG-A. 1603081411-PERM

FDC **6/3146** SUE IAP DOOR COUNTY CHERRYLAND, STURGEON BAY, WI. RNAV (GPS) RWY 2, AMDT 1A... LNAV CAT C/D VIS 1 1/8. CHANGE BARO-VNAV NA NOTE TO READ: BARO-VNAV AND VDP NA WHEN USING MENOMINEE ALTIMETER SETTING. CHANGE LOCAL ALTIMETER SETTING NOTE TO READ: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE MENOMINEE ALTIMETER SETTING AND INCREASE ALL DA/MDA 60 FT, AND LPV, LNAV/VNAV AND LNAV CAT C/D VISIBILITIES 1/4 MILE. DELETE NOTE: NIGHT LANDING: RWY 28 NA, RWY 2 CAT C/D NA. CHART VDP AT 1.14 MILES TO RWY 2* *LNAV ONLY. THIS IS RNAV (GPS) RWY 2, AMDT 1B. 1603081415-PERM

FDC **6/3300** PTD IAP POTSDAM MUNI/DAMON FLD/, POTSDAM, NY. NDB RWY 24, AMDT 5A... DELETE NOTE: RWY 24 STRAIGHT-IN AND CIRCLING MINIMUMS NA AT NIGHT. CHANGE HELICOPTER VISIBILITY REDUCTION NOTE TO READ: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. THIS IS NDB RWY 24, AMDT 5B. 1602111658-PERM

FDC **6/3301** PTD IAP POTSDAM MUNI/DAMON FLD/, POTSDAM, NY. RNAV (GPS) RWY 24, ORIG... DELETE NOTE: GPS OR RNP -0.3 REQUIRED. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. 34:1 IS NOT CLEAR. THIS IS RNAV (GPS) RWY 24, ORIG-A. 1602111700-PERM

FDC **6/3420** CLT IAP CHARLOTTE/DOUGLAS INTL, CHARLOTTE, NC. ILS OR LOC RWY 5, AMDT 38... CHART CIRCLING ICON. CIRCLING CATS C/D MDA/HAA 1500/752, CAT C VISIBILITY 2 1/4, CAT D VISIBILITY 2 1/2. THIS IS ILS OR LOC RWY 5, AMDT 38A. 1601131907-PERM

FDC **6/3421** CLT IAP CHARLOTTE/DOUGLAS INTL, CHARLOTTE, NC. ILS OR LOC RWY 18C, AMDT 10C... CHART CIRCLING ICON. CIRCLING CATS C/D MDA/HAA 1500/752, CAT C VISIBILITY 2 1/4, CAT D VISIBILITY 2 1/2. THIS IS ILS OR LOC RWY 18C, AMDT 10D. 1601131907-PERM

FDC **6/3422** CLT IAP CHARLOTTE/DOUGLAS INTL, CHARLOTTE, NC. ILS OR LOC RWY 23, AMDT 3B... CHART CIRCLING ICON. CIRCLING CATS C/D MDA/HAA 1500/752, CAT C VISIBILITY 2 1/4, CAT D VISIBILITY 2 1/2. DOVSE FIX MINIMUMS: CIRCLING CATS C/D MDA/HAA 1500/752, CAT C VISIBILITY 2 1/4, CAT D VISIBILITY 2 1/2. THIS IS ILS OR LOC RWY 23, AMDT 3C. 1601131907-PERM

FDC **6/3423** CLT IAP CHARLOTTE/DOUGLAS INTL, CHARLOTTE, NC. ILS OR LOC RWY 36C, AMDT 16B... CHART CIRCLING ICON. CIRCLING CATS C/D MDA/HAA 1500/752, CAT C VISIBILITY 2 1/4, CAT D VISIBILITY 2 1/2. THIS IS ILS OR LOC RWY 36C, AMDT 16C. 1601131907-PERM

FDC **6/3424** CLT IAP CHARLOTTE/DOUGLAS INTL, CHARLOTTE, NC. RNAV (GPS) Y RWY 5, AMDT 3... CHART CIRCLING ICON. CIRCLING CATS C/D MDA/HAA 1500/752, CAT C VISIBILITY 2 1/4, CAT D VISIBILITY 2 1/2. THIS IS RNAV (GPS) Y RWY 5, AMDT 3A. 1601131907-PERM

FDC **6/3425** CLT IAP CHARLOTTE/DOUGLAS INTL, CHARLOTTE, NC. RNAV (GPS) Y RWY 23, AMDT 1... CHART CIRCLING ICON. CIRCLING CATS C/D MDA/HAA 1500/752, CAT C VISIBILITY 2 1/4, CAT D VISIBILITY 2 1/2. THIS IS RNAV (GPS) Y RWY 23, AMDT 1A. 1601131907-PERM

FDC **6/3426** CLT IAP CHARLOTTE/DOUGLAS INTL, CHARLOTTE, NC. RNAV (GPS) Y RWY 36C, AMDT 3B... CHART CIRCLING ICON. CIRCLING CATS C/D MDA/HAA 1500/752, CAT C VISIBILITY 2 1/4, CAT D VISIBILITY 2 1/2. THIS IS RNAV (GPS) Y RWY 36C, AMDT 3C. 1601131907-PERM

FDC **6/3719** MSP IAP MINNEAPOLIS-ST PAUL INTL/WOLD-CHAMBERLAIN, MINNEAPOLIS, MN. ILS V RWY 30R (CONVERGING), AMDT 3A... DELETE NOTE: SIMULTANEOUS APPROACH AUTHORIZED WITH ILS V RWY 35 (CONVERGING). CHART NOTE: SIMULTANEOUS APPROACHES AUTHORIZED WITH RWY 30L AND ILS V RWY 35 (CONVERGING). THIS IS ILS V RWY 30R (CONVERGING), AMDT 3B. 1602121616-PERM

FDC **6/3792** EMP IAP EMPORIA MUNI, EMPORIA, KS. VOR-A, AMDT 14... CHART NOTE: CIRCLING NA TO RWYS 6 AND 24. ALTERNATE MINIMUMS: STANDARD. THIS IS VOR-A, AMDT 14A. 1602121844-PERM

FDC **6/3825** MFR ODP ROGUE VALLEY INTL - MEDFORD, MEDFORD, OR. TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES AMDT 10... TAKEOFF OBSTACLE NOTE: RWY 14, BUILDING 1585 FEET FROM DER, 846 FEET LEFT OF CENTERLINE, 40 FEET AGL/ 1385 FEET MSL. ALL OTHER DATA REMAINS AS PUBLISHED. THIS IS TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES, AMDT 10A. 1603091553-PERM

FDC **6/4046** BJJ IAP WAYNE COUNTY, WOOSTER, OH. VOR RWY 28, ORIG-C... CHART APT ELEV 1136. CHART TDZE 1134. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. S-28 ALL CATS HAT 526. CIRCLING CAT A/B/C HAA 524, CAT D HAA 564. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE AKRON-CANTON RGNL ALTIMETER SETTING AND INCREASE ALL MDA 60 FT. THIS IS VOR RWY 28, ORIG-D. 1603092059-PERM

FDC **6/4048** BJJ IAP WAYNE COUNTY, WOOSTER, OH. RNAV (GPS) RWY 28, ORIG... LNAV/VNAV DA 1589/HAT 455 ALL CATS. VISIBILITY ALL CATS 1 5/8. DELETE NOTE: LNAV/VNAV NA BELOW -17C (2F) OR ABOVE 46C (114F). CHART NOTE: BARO-VNAV NA BELOW -17C (2F) OR ABOVE 54C (130F). DELETE NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. CHANGE LOCAL ALTIMETER NOT RECEIVED NOTE TO READ: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE AKRON-CANTON RGNL ALTIMETER SETTING AND INCREASE ALL DA/MDA 60 FT; INCREASE LPV ALL CATS VISIBILITY 1/4 MILE. INCREASE LNAV/VNAV ALL CATS VISIBILITY AND LNAV CAT C/D VISIBILITY 1/8 MILE. THIS IS RNAV (GPS) RWY 28, ORIG-A. 1603092102-PERM

FDC **6/4051** ASL IAP HARRISON COUNTY, MARSHALL, TX. RNAV (GPS) RWY 33, ORIG-A... CHART NOTE: NIGHT LANDING: RWY 2, 15, 20 NA. CHANGE HELICOPTER NOTE TO READ: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. DELETE NOTES: WHEN VGSI INOP, CIRCLING RWY 15 NA AT NIGHT. VISIBILITY REDUCTION BY HELICOPTERS NA. CIRCLING TO RWY 2/20 NA AT NIGHT. THIS IS RNAV (GPS) RWY 33, ORIG-B. 1603092120-PERM

FDC **6/4052** ASL IAP HARRISON COUNTY, MARSHALL, TX. RNAV (GPS) RWY 15, ORIG-A... CHART NOTE: NIGHT LANDING: RWY 2, 15, 20 NA. CHANGE HELICOPTER NOTE TO READ: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. DELETE NOTES: WHEN VGSI INOPERATIVE, STRAIGHT-IN/CIRCLING RWY 15 NA AT NIGHT. VISIBILITY REDUCTION BY HELICOPTERS NA. CIRCLING TO RWY 2/20 NA AT NIGHT. THIS IS RNAV (GPS) RWY 15, ORIG-B. 1603092120-PERM

FDC **6/4053** ASL IAP HARRISON COUNTY, MARSHALL, TX. VOR/DME-A, AMDT 4D... CHART NOTES: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE LONGVIEW ALTIMETER SETTING AND INCREASE ALL MDA 60 FEET; INCREASE CAT B VISIBILITY TO 1 1/2. NIGHT LANDING: RWY 2, 15, 20 NA. HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NA. THIS IS VOR/DME-A, AMDT 4E. 1603092120-PERM

FDC **6/4502** DLN IAP DILLON, DILLON, MT. VOR-A, AMDT 8... DELETE NOTE: CIRCLING TO RWY 4 NA AT NIGHT. DELETE NOTE: WHEN VGSI INOP, CIRCLING RWY 22 AND 35 NA AT NIGHT. DELETE NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART NOTE: NIGHT LANDING: RWY 4, 22, 35 NA. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. CHART CIRCLING ICON. THIS IS VOR-A, AMDT 8A. 1602161608-PERM

FDC **6/4503** DLN IAP DILLON, DILLON, MT. VOR/DME-B, AMDT 2... DELETE NOTE: CIRCLING TO RWY 4 NA AT NIGHT. DELETE NOTE: WHEN VGSI INOP, CIRCLING RWY 22/35 NA AT NIGHT. DELETE NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART NOTE: NIGHT LANDING: RWY 4, 22, 35 NA. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. CHART CIRCLING ICON. CIRCLING CAT B MDA 5860/HAA 615; CAT C MDA 5980/HAA 735, VIS 2; CAT D MDA 6300/HAA 1055, VIS 3. ALTERNATE MINIMUMS: STANDARD EXCEPT CAT D 1100-3. THIS IS VOR/DME-B, AMDT 2A. 1602161608-PERM

FDC **6/4506** DLN IAP DILLON, DILLON, MT. RNAV (GPS) RWY 17, AMDT 1A... DELETE NOTE: CIRCLING TO RWY 4/22/35 NA AT NIGHT. CHART NOTE: NIGHT LANDING: RWY 4, 22, 35 NA. THIS IS RNAV (GPS) RWY 17, AMDT 1B. 1602161609-PERM

FDC **6/4743** CSG IAP COLUMBUS, COLUMBUS, GA. RNAV (GPS) RWY 13, ORIG-A... CHANGE THRE 397 TO TDZE 397. DELETE NOTE: RWY 13 STRAIGHT-IN AND CIRCLING AND CIRCLING RWY 24/31 NA AT NIGHT. CHART NOTE: NIGHT LANDING: RWY 13, 31 NA. THIS IS RNAV (GPS) RWY 13, ORIG-B. 1601191919-PERM

FDC **6/4744** CSG IAP COLUMBUS, COLUMBUS, GA. ILS OR LOC RWY 6, AMDT 25B... CHART TDZE 380 DELETE THRE 376. S-ILS 6 DA 580. S-LOC 6 HAT 600 ALL CATS. VIS CAT C/D 1 1/4. CIRCLING CAT C VIS 1 3/4. DELETE NOTE: CIRCLING TO RWYS 13/24/31 NA AT NIGHT. CHART NOTE: NIGHT LANDING: RWY 13, 31 NA. THIS IS ILS OR LOC RWY 6, AMDT 25C. 1601191921-PERM

FDC **6/4749** CSG IAP COLUMBUS, COLUMBUS, GA. RNAV (GPS) RWY 24, ORIG-A... CHANGE THRE 391 TO TDZE 391. DELETE NOTE: RWY 24 STRAIGHT-IN AND CIRCLING AND CIRCLING TO RWYS 24/31 NA AT NIGHT. CHART NOTE: NIGHT LANDING: RWY 13, 31 NA. CHANGE HELICOPTER VISIBILITY REDUCTION NOTE TO READ: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. THIS IS RNAV (GPS) RWY 24, ORIG-B. 1601191923-PERM

FDC **6/4922** SYR IAP SYRACUSE HANCOCK INTL, SYRACUSE, NY. TACAN RWY 33, ORIG-A... CIRCLING CAT B MDA 900/HAA 479. CHANGE VISIBILITY REDUCTION BY HELICOPTERS NOTE TO READ: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NA. THIS IS TACAN RWY 33, ORIG-B. 1601201257-PERM

FDC **6/4923** SYR IAP SYRACUSE HANCOCK INTL, SYRACUSE, NY. ILS OR LOC RWY 10, AMDT 13... CIRCLING CAT B MDA 900/HAA 479. TANUE FIX MINIMUMS: CIRCLING CAT B MDA 900/HAA 479. THIS IS ILS OR LOC RWY 10, AMDT 13A. 1601201301-PERM

FDC **6/4924** SYR IAP SYRACUSE HANCOCK INTL, SYRACUSE, NY. VOR RWY 15, AMDT 23A... CIRCLING CAT B MDA 900/HAA 479. CHANGE VISIBILITY REDUCTION BY HELICOPTERS NOTE TO READ: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NA. THIS IS VOR RWY 15, AMDT 23B. 1601201303-PERM

FDC **6/4925** SYR IAP SYRACUSE HANCOCK INTL, SYRACUSE, NY. ILS OR LOC RWY 28, AMDT 34A ... ILS RWY 28 (SA CAT I), ANDT 34A ... ILS RWY 28 (CAT II), AMDT 34A ... CIRCLING CAT B MDA 900/HAA 479. THIS IS ILS OR LOC RWY 28, AMDT 34B, ILS RWY 28 (SA CAT I), AMDT 34B, ILS RWY 28 (CAT II), AMDT 34B 1601201305-PERM

FDC **6/4995** DDH IAP WILLIAM H MORSE STATE, BENNINGTON, VT. VOR RWY 13, AMDT 1A... CHART NOTE: PROCEDURE NA AT NIGHT. DELETE NOTE: STRAIGHT-IN/CIRCLING RWY 13 PROCEDURE NA AT NIGHT. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. DELETE NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. DELETE: *S-13 LINE OF MINIMA. DELETE NOTE: *MISSED APPROACH REQUIRES A MINIMUM CLIMB OF 295 FEET PER NM TO 4000. DELETE DESCENT ANGLE 3.32/TCH 45. CHART PROFILE NOTE: VISUAL SURFACE - OBSTACLES. DELETE PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT. THIS IS VOR RWY 13, AMDT 1B. 1603111934-PERM

FDC **6/5046** UDG IAP DARLINGTON COUNTY JETPORT, DARLINGTON, SC. NDB RWY 23, AMDT 1... CHANGE AIRPORT NAME FROM DARLINGTON COUNTY JETPORT TO DARLINGTON COUNTY AIRPORT. CHANGE VISIBILITY REDUCTION BY HELICOPTERS NOTE TO READ: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. THIS IS NDB RWY 23, AMDT 1A. 1603112145-PERM

FDC **6/5719** HUM IAP HOUMA-TERREBONNE, HOUMA, LA. ILS OR LOC RWY 18, AMDT 4... S-LOC 18 MDA 380/HAT 371 ALL CATS, VISIBILITY CAT C 3/4. CHART FAS OBST: 117 TREE 293526N/0903939W. CHANGE ALTIMETER SETTING NOTE TO READ: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE LOUIS ARMSTRONG NEW ORLEANS INTL ALTIMETER SETTING AND INCREASE ALL DA 77 FEET AND ALL MDA 80 FEET, INCREASE S-LOC 18 CATS C/D VISIBILITY 1/8 MILE AND CIRCLING CAT D VISIBILITY 1/4 MILE. CHART NOTE: FOR INOPERATIVE MALSR, INCREASE S-LOC 18 CAT C/D VISIBILITY TO 1. THIS IS ILS OR LOC RWY 18, AMDT 4A. 1601212205-PERM

FDC **6/5851** GFK IAP GRAND FORKS INTL, GRAND FORKS, ND. ILS OR LOC RWY 35L, AMDT 12... S-ILS 35L VIS RVR 2400 ALL CATS. S-LOC 35L VIS RVR 2400 ALL CATS. CIRCLING VIS CAT C 1 1/2. CHANGE INOP MALSR NOTE TO READ: FOR INOPERATIVE MALSR, INCREASE S-ILS 35L CAT E VISIBILITY TO RVR 4000 AND S-LOC 35L CATS C/D/E VISIBILITY TO RVR 4500. ADD NOTE: FOR INOPERATIVE MALSR WHEN USING CROOKSTON ALTIMETER SETTING, INCREASE S-ILS 35L ALL CATS VISIBILITY TO RVR 4500 AND S-LOC 35L CAT E VISIBILITY TO RVR 6000. CHANGE ALTIMETER SETTING NOTE TO READ: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE CROOKSTON ALTIMETER SETTING AND INCREASE ALL DA/MDA 80 FEET; INCREASE S-LOC 35L CATS C/D/E VISIBILITY 1/8 MILE, AND CIRCLING CAT E VISIBILITY 1/4 MILE. CHANGE PROCEDURE TURN NA FOR CAT E AIRCRAFT NOTE TO READ: PROCEDURE TURN NA FOR CAT E AIRCRAFT, RADAR REQUIRED. THIS IS ILS OR LOC RWY 35L, AMDT 12A. 1602181619-PERM

FDC **6/5852** GFK IAP GRAND FORKS INTL, GRAND FORKS, ND. RNAV (GPS) RWY 35L, ORIG... LPV VIS RVR 5000 ALL CATS. LNAV/VNAV VIS RVR 3000 ALL CATS. LNAV CATS A/B VIS RVR 2400, CATS C/D VIS RVR 2600. DELETE NOTE: INOP TABLE DOES NOT APPLY TO LNAV CAT D. CHANGE INOP MALSR NOTE TO READ: FOR INOPERATIVE MALSR, INCREASE LNAV/VNAV ALL CATS VISIBILITY TO RVR 5000. ADD NOTE: FOR INOPERATIVE MALSR WHEN USING CROOKSTON ALTIMETER SETTING, INCREASE LPV ALL CATS VISIBILITY TO RVR 5000 AND LNAV CAT C/D VISIBILITY TO RVR 6000. CHANGE ALTIMETER SETTING NOTE TO READ: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE CROOKSTON ALTIMETER SETTING AND INCREASE ALL DA/MDA 80 FEET; INCREASE LPV ALL CATS VISIBILITY 1/8 MILE, LNAV/VNAV ALL CATS AND LNAV CAT C/D VISIBILITY 1/4 MILE. THIS IS RNAV (GPS) RWY 35L, ORIG-A. 1602181619-PERM

FDC **6/5853** GFK IAP GRAND FORKS INTL, GRAND FORKS, ND. VOR RWY 35L, AMDT 7... S-35L VIS CAT A/B RVR 2400, CAT C/D RVR 5500. ELVAW FIX MINIMUMS S-35L VIS CAT A/B RVR 2400, CAT C/D RVR 4000. CHANGE ALTIMETER SETTING NOTE TO READ: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED USE CROOKSTON ALTIMETER SETTING AND INCREASE ALL MDA 80 FEET; INCREASE S-35L CAT C/D AND CIRCLING CAT C VISIBILITY 1/4 MILE, AND ELVAW FIX MINIMUMS S-35L CAT C/D VISIBILITY 1/8 MILE. CHART NOTE: FOR INOPERATIVE MALSR, INCREASE S-35L CAT C/D VISIBILITY TO 1 3/8 MILE. CHANGE ELVAW FIX MINIMUMS INOP MALSR NOTE TO READ: FOR INOPERATIVE MALSR, INCREASE ELVAW FIX MINIMUMS S-35L CAT C/D VISIBILITY TO RVR 5500. THIS IS VOR RWY 35L, AMDT 7A. 1602181619-PERM

FDC **6/5959** MSP IAP MINNEAPOLIS-ST PAUL INTL/WOLD-CHAMBERLAIN, MINNEAPOLIS, MN. ILS V RWY 30L (CONVERGING), AMDT 2... DELETE NOTE: SIMULTANEOUS APPROACH AUTHORIZED WITH ILS V RWY 35. CHART NOTE: SIMULTANEOUS APPROACHES AUTHORIZED WITH RWY 30R AND ILS V RWY 35 (CONVERGING). THIS IS ILS V RWY 30L (CONVERGING), AMDT 2A. 1601222156-PERM

FDC **6/5960** MSP IAP MINNEAPOLIS-ST PAUL INTL/WOLD-CHAMBERLAIN, MINNEAPOLIS, MN. RNAV (GPS) Z RWY 30L, AMDT 4... DELETE NOTE: SIMULTANEOUS APPROACH AUTHORIZED WITH RWY 30R. CHART NOTE: SIMULTANEOUS APPROACHES AUTHORIZED WITH RWY 30R AND ILS V RWY 35 (CONVERGING). THIS IS RNAV (GPS) Z RWY 30L, AMDT 4A. 1601222156-PERM

FDC **6/5961** MSP IAP MINNEAPOLIS-ST PAUL INTL/WOLD-CHAMBERLAIN, MINNEAPOLIS, MN. ILS V RWY 35 (CONVERGING), AMDT 4... DELETE NOTE: SIMULTANEOUS APPROACH AUTHORIZED WITH ILS V RWY 30L (CONVERGING) AND ILS V RWY 30R (CONVERGING). CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED. THIS IS ILS V RWY 35 (CONVERGING), AMDT 4A. 1601222156-PERM

FDC **6/6275** M02 IAP DICKSON MUNI, DICKSON, TN. NDB RWY 17, AMDT 2D... CHART NOTE: NIGHT LANDING: RWY 35 NA. THIS IS NDB RWY 17, AMDT 2E. 1602191527-PERM

FDC **6/6276** M02 IAP DICKSON MUNI, DICKSON, TN. VOR/DME RWY 17, AMDT 4E... CHART NOTE: NIGHT LANDING: RWY 35 NA. THIS IS VOR/DME RWY 17, AMDT 4F. 1602191527-PERM

FDC **6/6301** EWN IAP COASTAL CAROLINA REGIONAL, NEW BERN, NC. RNAV (GPS) RWY 4, AMDT 1... LNAV/VNAV CAT C VISIBILITY 1 3/8.. THIS IS RNAV (GPS) RWY 4, AMDT 1A. 1602191629-PERM

FDC **6/6304** BLF IAP MERCER COUNTY, BLUEFIELD, WV. ILS OR LOC RWY 23, AMDT 15A... DELETE NOTE: HELICOPTER VISIBILITY RESTRICTION BELOW 3/4 SM NOT AUTHORIZED. THIS IS ILS OR LOC RWY 23, AMDT 15B. 1602191648-PERM

FDC **6/6305** BLF IAP MERCER COUNTY, BLUEFIELD, WV. VOR/DME RWY 23, AMDT 5A... DELETE NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT (VGSI ANGLE 3.00/TCH 65). THIS IS VOR/DME RWY 23, AMDT 5B. 1602191648-PERM

FDC **6/6306** BLF IAP MERCER COUNTY, BLUEFIELD, WV. RNAV (GPS) RWY 23, ORIG-A... DELETE NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. 34:1 IS CLEAR. THIS IS RNAV (GPS) RWY 23, ORIG-B. 1602191648-PERM

FDC **6/6369** JWN IAP JOHN C TUNE, NASHVILLE, TN. ILS OR LOC/DME RWY 20, AMDT 2... CHART NOTE: DME REQUIRED. MISSED APPROACH: CLIMB TO 2200 THEN CLIMBING RIGHT TURN TO 3000 ON HEADING 300 AND BNA VORTAC R-270 TO BEVEE/BNA 22.36 DME AND HOLD.. DELETE FROM PLANVIEW: ALTERNATE MISSED APPROACH HOLDING AND GHM R-038 AT BEVEE. THIS IS ILS OR LOC/DME RWY 20, AMDT 2A. 1602191827-PERM

FDC **6/6424** MSP IAP MINNEAPOLIS-ST PAUL INTL/WOLD-CHAMBERLAIN, MINNEAPOLIS, MN. ILS Z OR LOC RWY 30R, AMDT 15... DELETE NOTE: SIMULTANEOUS APPROACH AUTHORIZED WITH RWY 30L. CHART NOTE: SIMULTANEOUS APPROACHES AUTHORIZED WITH RWY 30L AND ILS V RWY 35 (CONVERGING). THIS IS ILS Z OR LOC RWY 30R, AMDT 15A. 1601261341-PERM

FDC **6/6426** MSP IAP MINNEAPOLIS-ST PAUL INTL/WOLD-CHAMBERLAIN, MINNEAPOLIS, MN. RNAV (GPS) Z RWY 30R, AMDT 3... DELETE NOTE: SIMULTANEOUS APPROACH AUTHORIZED WITH RWY 30L. CHART NOTE: SIMULTANEOUS APPROACHES AUTHORIZED WITH RWY 30L AND ILS V RWY 35 (CONVERGING). THIS IS RNAV (GPS) Z RWY 30R, AMDT 3A. 1601261343-PERM

FDC **6/6437** 60F IAP SEYMOUR MUNI, SEYMOUR, TX. GPS RWY 17, ORIG... CHART NOTE: PROCEDURE NA AT NIGHT. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. THIS IS GPS RWY 17, ORIG-A. 1602192045-PERM

FDC **6/6676** PHF IAP NEWPORT NEWS/WILLIAMSBURG INTL, NEWPORT NEWS, VA. RNAV (GPS) RWY 25, AMDT 2A... CHANGE TDZE 40 TO TDZE 41. LPV DA 241. LNAV/VNAV DA 487. LNAV HAT 439 ALL CATS. THIS IS RNAV (GPS) RWY 25, AMDT 2B. 1601262036-PERM

FDC **6/6679** PHF IAP NEWPORT NEWS/WILLIAMSBURG INTL, NEWPORT NEWS, VA. ILS OR LOC RWY 25, AMDT 1B... CHANGE TDZE 40 TO TDZE 41. S-ILS 25 DA 241. S-LOC 25 HAT 439 ALL CATS. THIS IS ILS OR LOC RWY 25, AMDT 1C. 1601262039-PERM

FDC **6/6791** BTM IAP BERT MOONEY, BUTTE, MT. LOC/DME RWY 15, AMDT 7... DELETE ALL REFERENCE TO BUTTE OM. THIS IS LOC/DME RWY 15, AMDT 7A. 1602221549-PERM

FDC **6/7427** GCN IAP GRAND CANYON NATIONAL PARK, GRAND CANYON, AZ. RNAV (GPS) RWY 3, ORIG-A... LNAV VISIBILITY CATS A/B 1 MILE. DELETE NOTE: GPS OR RNP 0.3 REQUIRED. DELETE NOTE: BARO-VNAV NA BELOW -28C (-18F). CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -26C (-15F) OR ABOVE 43C (110F). THIS IS RNAV (GPS) RWY 3, ORIG-B. 1601281249-PERM

FDC **6/7777** TAN IAP TAUNTON MUNI - KING FIELD, TAUNTON, MA. NDB RWY 30, AMDT 5A... DELETE NOTE: PROCEDURE NA AT NIGHT. THIS IS NDB RWY 30, AMDT 5B. 1602241401-PERM

FDC **6/7778** TAN IAP TAUNTON MUNI - KING FIELD, TAUNTON, MA. RNAV (GPS) RWY 30, ORIG-A... DELETE NOTE: PROCEDURE NA AT NIGHT. DELETE PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT. CHART PROFILE NOTE: VISUAL SEGMENT-OBSTACLES. DELETE DESCENT ANGLE 3.05/TCH 45. THIS IS RNAV (GPS) RWY 30, ORIG-B. 1602241401-PERM

FDC **6/7802** Y51 IAP VIROQUA MUNI, VIROQUA, WI. RNAV (GPS) RWY 29, ORIG-A... DELETE NOTE: GPS OR RNP-0.3 REQUIRED. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. CHART NOTE: PROCEDURE NA AT NIGHT. CHART NOTE: CIRCLING NA TO RWYS 2 AND 20. THIS IS RNAV (GPS) RWY 29, ORIG-B. 1602241432-PERM

FDC **6/8435** GEG IAP SPOKANE INTL, SPOKANE, WA. RNAV (RNP) Z RWY 7, ORIG... CHART NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VASI ANGLE 3.00/TCH 45). DELETE NOTE: WHEN VGSI INOPERATIVE, PROCEDURE NA AT NIGH. 34:1 IS CLEAR. THIS IS RNAV (RNP) Z RWY 7, ORIG-A. 1603221908-PERM

FDC **6/8706** BJJ IAP WAYNE COUNTY, WOOSTER, OH. VOR RWY 10, AMDT 1... CHART PROFILE NOTE: VGSI AND DESCENT ANGLE NOT COINCIDENT (VGSI ANGLE 3.04, TCH 33). DELETE NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. THIS IS VOR RWY 10, AMDT 1A. 1603231339-PERM

FDC **6/8908** MSP IAP MINNEAPOLIS-ST PAUL INTL/WOLD-CHAMBERLAIN, MINNEAPOLIS, MN. ILS Z OR LOC RWY 30L, AMDT 46A ... ILS Z RWY 30L (CAT II), AMDT 46A ... DELETE NOTE: SIMULTANEOUS APPROACH AUTHORIZED. CHART NOTE: SIMULTANEOUS APPROACHES AUTHORIZED WITH RWY 30R AND ILS V RWY 35 (CONVERGING). THIS IS ILS Z OR LOC RWY 30L, AMDT 46B...ILS Z RWY 30L (CAT II), AMDT 46B. 1602022115-PERM

FDC **6/9524** 38S IAP DEER LODGE-CITY-COUNTY, DEER LODGE, MT. RNAV (GPS)-A, ORIG... DELETE NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. DELETE NOTE: WHEN VGSI INOP, CIRCLING RWY 13 NA AT NIGHT. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. CHART NOTE: NIGHT LANDING: RWY 13 NA.. CHART NOTE: CIRCLING NA TO RWYS 3 AND 21. THIS IS RNAV (GPS)-A, ORIG-A. 1602031826-PERM

FDC **6/9824** LAX IAP LOS ANGELES INTL, LOS ANGELES, CA. RNAV (RNP) Z RWY 6L, ORIG-C... RNP 0.30 DA 455/HAT 338 ALL CATS. THIS IS RNAV (RNP) Z RWY 6L, ORIG-D. 1602040900-PERM