

U.S. Department
of Transportation

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

**Federal Aviation
Administration**

Transmittal Letter 15-01

November 21, 2014

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

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

**The following are corrected copies of procedures previously published in TL 14-25 on
October 23, 2014**

Ray, MI, Ray Community, RNAV (GPS)-A, Orig

**The following procedures, previously published in TL 14-25, effective January 8, 2015 have
been rescinded in their entirety.**

Anchorage, AK, Ted Stevens Anchorage Intl, ILS OR LOC/DME RWY 7L, ILS RWY 7L (SA
CAT I), ILS RWY 7L (SA CAT II), Amdt 4

Anchorage, AK, Ted Stevens Anchorage Intl, ILS OR LOC/DME RWY 7R, ILS RWY 7R (SA
CAT I), ILS RWY 7R (CAT II), ILS RWY 7R (CAT III), Amdt 4

**The following procedures, previously published in TL 14-26, effective January 8, 2015 have
been rescinded in their entirety.**

Fairbanks, AK, Fairbanks Intl, ILS OR LOC RWY 2L, ILS RWY 2L (SA CAT I), ILS RWY 2L
(CAT II), ILS RWY 2L (CAT III), Amdt 10

Fairbanks, AK, Fairbanks Intl, ILS OR LOC RWY 20R, ILS RWY 20R (SA CAT I), ILS RWY
20R (SA CAT II), Amdt 25

Fairbanks, AK, Fairbanks Intl, RNAV (GPS) RWY 2R, Amdt 1

Fairbanks, AK, Fairbanks Intl, RNAV (GPS) RWY 20L, Amdt 1

Fairbanks, AK, Fairbanks Intl, RNAV (GPS) Y RWY 2L, Amdt 1

Fairbanks, AK, Fairbanks Intl, Takeoff Minimums and Obstacle DP, Amdt 6

Fairbanks, AK, Fairbanks Intl, VOR/DME OR TACAN RWY 20R, Amdt 1

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION		RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33			Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.												
TERMINAL ROUTES										MISSED APPROACH							
FROM		TO		COURSE AND DISTANCE			ALTITUDE		LNAV: RW09								
IKTIH (IF/IAF)		HODPI (FB)		090.65 / 7.37			2500		CLIMB TO 2000 THEN CLIMBING LEFT TURN TO 4000 DIRECT HIGIG AND HOLD, CONTINUE CLIMB-IN-HOLD TO 4000.								
HODPI (FAF)		OVUHU/2.10 NM TO RW09 (FB)		093.95 / 3.63													
OVUHU/2.10 NM TO RW09		RW09 (MAP) (FO)		093.95 / 2.10					ADDITIONAL FLIGHT DATA: HOLD E, RT, 261.60 INBOUND. FAS OBST: 739 TREE 424428N/0825347W CHART CIRCLING ICON. CHART OAKLAND/TROY AWOS-3 HODPI TO RWY 09: 3.00/45								
RW09 (MAP)		2000 MSL		093.95			2000										
2000 MSL		HIGIG (FO)					4000										
THIS IS A CORRECTED COPY OF A PROCEDURE ORIGINALLY PUBLISHED IN TL 14-25																	
1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)																	
2. PROFILE STARTS AT IKTIH																	
3. FAC: 093.95 FAF: HODPI DIST FAF TO MAP: 5.73 THLD: 5.73																	
4. MIN. ALT: IKTIH 2500, HODPI 2500, OVUHU/2.10 NM TO RW09 1340																	
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: RW09 2900																	
MAG VAR: 6W EPOCH YEAR: 1985																	
MINIMUMS																	
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT																	
ALTERNATE: N A X																	
CATEGORY ==>		A		B		C		D		E							
		DH/MDA		VIS		HAT/HAA		DH/MDA		VIS		HAT/HAA		DH/MDA		VIS	
CIRCLING		1100		1		468		1220		1		588		NA		NA	
NOTES: CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: PROCEDURE NA AT NIGHT. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1SM NOT AUTHORIZED. CHART NOTE: USE TROY ALTIMETER SETTING. WHEN NOT RECEIVED USE PONTIAC ALTIMETER SETTING AND (SEE FORM 8260-10)																	
CITY AND STATE		ELEVATION: 632 TDZE:		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:		SUP:									
RAY, MI		AIRPORT NAME:		RAY COMMUNITY		RNAV (GPS)-A, ORIG		AMDT: NONE									
						8 JANUARY 2015		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 MDAS 60 FT.

CHART NOTE: PROCEDURE NA FOR ARRIVALS AT IKTIH ON V410 WESTBOUND.

QUALITY
17
CHECKED

CITY AND STATE

RAY, MI

ELEVATION: 632

TDZE:

AIRPORT NAME:

RAY COMMUNITY

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS)-A, ORIG

8 JANUARY 2015

SUP:

AMDT: NONE

DATED:

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

[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP 57D K5FRNV-A R	010IKTIHK5EA0E	I	IF										
SUSAP 57D K5FRNV-A R	020HODPIK5EA0E	F	051TF				09070074						
SUSAP 57D K5FRNV-A R	021OVUHUK5EA0E	S	031TF				09400036						
SUSAP 57D K5FRNV-A R	030RW09 K5PG0GY	M	031TF				09400021						
SUSAP 57D K5FRNV-A R	040	0	M	CA			0940						
SUSAP 57D K5FRNV-A R	050HIGIGK5EA0EY	L	DF										
SUSAP 57D K5FRNV-A R	060HIGIGK5EA0EE	R	HM				26160040						

[illegible][illegible]

QUALITY
17
CHECKED

CITY AND STATE RAY, MI	ELEVATION: 632	TDZE:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS)-A, ORIG 8 JANUARY 2015	SUP:
	AIRPORT NAME: RAY COMMUNITY	FACILITY IDENTIFIER: RNAV		AMDT: NONE
				DATED:

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

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

ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		IKTIH	010	FACF	IF		FB				AA 02500	
		HODPI	020	FAF	TF		FB	0.5	090.7 (084.7T)	007.4	AA 02500	
		OVUHU	021	SDF	TF		FB	0.3	094.0 (088.0T)	003.6	AA 01340 GS 01344	
		RW09	030	MAP	TF		FO	0.3	094.0 (088.0T)	002.1	AT 00675	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		094.0 (088.0T)		AA 02000	
	HIGIG	050		DF	L	FO				AA 04000	
	HIGIG	060		HM	R	FO		261.6 (255.6T)	004.0	AA 04000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	HIGIG	N424507.09	W0824111.38	N4245.118	W08241.190
	HODPI	N424401.18	W0830127.05	N4244.020	W08301.451
	IKTIH	N424320.33	W0831124.55	N4243.339	W08311.409
	OVUHU	N424408.86	W0825631.65	N4244.148	W08256.528
	RW09	N424413.21	W0825340.77	N4244.220	W08253.680

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW09	00630	45

QUALITY
17
CHECKED

CITY AND STATE RAY, MI	ELEVATION: 632	TDZE:	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS)-A, ORIG 8 JANUARY 2015	SUP:
	AIRPORT NAME: RAY COMMUNITY				AMDT: NONE
					DATED:

[4910-13]

DEPARTMENT OF TRANSPORTATION

Federal Aviation Administration

14 CFR Part 97

[Docket No. [30990](#); Amdt. No. [3619](#)]

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

AGENCY: Federal Aviation Administration (FAA), DOT.

ACTION: Final Rule.

SUMMARY: This rule establishes, amends, suspends, or revokes Standard Instrument Approach Procedures (SIAPs) and associated Takeoff Minimums and Obstacle Departure Procedures for operations at certain airports. These regulatory actions are needed because of the adoption of new or revised criteria, or because of changes occurring in the National Airspace System, such as the commissioning of new navigational facilities, adding new obstacles, or changing air traffic requirements. These changes are designed to provide safe and efficient use of the navigable airspace and to promote safe flight operations under instrument flight rules at the affected airports.

DATES: This rule is effective [INSERT DATE OF PUBLICATION IN THE FEDERAL REGISTER]. The compliance date for each SIAP, associated Takeoff Minimums, and ODP is specified in the amendatory provisions.

The incorporation by reference of certain publications listed in the regulations is approved by the Director of the

Federal Register as of [INSERT ² DATE OF PUBLICATION IN THE
FEDERAL REGISTER].

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

For Examination-

1. FAA Rules Docket, FAA Headquarters Building,
800 Independence Avenue, SW., Washington, DC 20591;
2. The FAA Regional Office of the region in which the
affected airport is located;
3. The National Flight Procedures Office, 6500 South
MacArthur Blvd., Oklahoma City, OK 73169 or,
4. The National Archives and Records Administration
(NARA). For information on the availability of this material at
NARA, call 202-741-6030, or go to:
http://www.archives.gov/federal_register/code_of_federal_regulations/ibr_locations.html.

Availability- All SIAPs and Takeoff Minimums and ODPs are
available online free of charge. Visit <http://www.nfdc.faa.gov>
to register. Additionally, individual SIAP and Takeoff Minimums
and ODP copies may be obtained from:

1. FAA Public Inquiry Center (APA-200), FAA Headquarters
Building, 800 Independence Avenue, SW., Washington, DC 20591; or
2. The FAA Regional Office of the region in which the
affected airport is located.

FOR FURTHER INFORMATION CONTACT: Richard A. Dunham III, Flight
Procedure Standards Branch (AFS-420), Flight Technologies and
Programs Divisions, Flight Standards Service, Federal Aviation

Administration, Mike Monroney Aeronautical Center, 6500 South MacArthur Blvd. Oklahoma City, OK. 73169 (Mail Address: P.O. Box 25082, Oklahoma City, OK 73125) Telephone: (405) 954-4164.

SUPPLEMENTARY INFORMATION: This rule amends Title 14 of the Code of Federal Regulations, Part 97 (14 CFR part 97), by establishing, amending, suspending, or revoking SIAPS, Takeoff Minimums and/or ODPS. The complete regulators description of each SIAP and its associated Takeoff Minimums or ODP for an identified airport is listed on FAA form documents which are incorporated by reference in this amendment under 5 U.S.C. 552(a), 1 CFR part 51, and 14 CFR part 97.20. The applicable FAA Forms are FAA Forms 8260-3, 8260-4, 8260-5, 8260-15A, and 8260-15B when required by an entry on 8260-15A.

The large number of SIAPs, Takeoff Minimums and ODPs, in addition to their complex nature and the need for a special format make publication in the Federal Register expensive and impractical. Furthermore, airmen do not use the regulatory text of the SIAPs, Takeoff Minimums or ODPs, but instead refer to their depiction on charts printed by publishers of aeronautical materials. The advantages of incorporation by reference are realized and publication of the complete description of each SIAP, Takeoff Minimums and ODP listed on FAA forms is unnecessary. This amendment provides the affected CFR sections and specifies the types of SIAPs and the effective dates of the, associated Takeoff Minimums and ODPs. This amendment also identifies the airport and its location, the procedure, and the amendment number.

THE RULE

This amendment to 14 CFR part 97 is effective upon publication of each separate SIAP, Takeoff Minimums and ODP as contained in the transmittal. Some SIAP and Takeoff Minimums and textual ODP amendments may have been issued previously by the FAA in a Flight Data Center (FDC) Notice to Airmen (NOTAM) as an emergency action of immediate flight safety relating directly to published aeronautical charts. The circumstances which created the need for some SIAP and Takeoff Minimums and ODP amendments may require making them effective in less than 30 days. For the remaining SIAPS and Takeoff Minimums and ODPS, an effective date at least 30 days after publication is provided.

Further, the SIAPs and Takeoff Minimums and ODPS contained in this amendment are based on the criteria contained in the U.S. Standard for Terminal Instrument Procedures (TERPS). In developing these SIAPS and Takeoff Minimums and ODPS, the TERPS criteria were applied to the conditions existing or anticipated at the affected airports. Because of the close and immediate relationship between these SIAPs, Takeoff Minimums and ODPS, and safety in air commerce, I find that notice and public procedures before adopting these SIAPS, Takeoff Minimums and ODPS are impracticable and contrary to the public interest and, where applicable, that good cause exists for making some SIAPs effective in less than 30 days.

CONCLUSION

The FAA has determined that this regulation only involves an established body of technical regulations for which frequent and routine amendments are necessary to keep them operationally current. It, therefore--(1) is not a "significant regulatory action" under Executive Order 12866;(2) is not a "significant rule " under DOT Regulatory Policies and Procedures (44 FR 11034; February 26,1979) ; and (3)does not warrant preparation of a regulatory evaluation as the anticipated impact is so minimal. For the same reason, the FAA certifies that this amendment will not have a significant economic impact on a substantial number of small entities under the criteria of the Regulatory Flexibility Act.

List of Subjects in 14 CFR part 97:

Air Traffic Control, Airports, Incorporation by reference, and Navigation (Air).

Issued in Washington, DC on [NOVEMBER 21, 2014](#).

A handwritten signature in black ink, appearing to read "John Duncan", with a long horizontal flourish extending to the right.

John Duncan
Director, Flight Standards Service

ADOPTION OF THE AMENDMENT

Accordingly, pursuant to the authority delegated to me, Title 14, Code of Federal Regulations, Part 97 (14 CFR part 97) is amended by establishing, amending, suspending, or revoking Standard Instrument Approach Procedures and/or Takeoff Minimums and/or Obstacle Departure Procedures effective at 0902 UTC on the dates specified, as follows:

Part 97—Standard Instrument Approach Procedures

1. The authority citation for part 97 continues to read as follows:

AUTHORITY: 49 U.S.C. 106(g), 40103, 40106, 40113, 40114, 40120, 44502, 44514, 44701, 44719, 44721-44722.

2. Part 97 is amended to read as follows:

Effective 8 JANUARY 2015

Santa Rosa, CA, Charles M. Schulz - Sonoma County, RNAV (GPS) RWY 14, Amdt 2A
South Lake Tahoe, CA, Lake Tahoe, Takeoff Minimums and Obstacle DP, Amdt 7
St Petersburg-Clearwater, FL, St Pete-Clearwater Intl, VOR/DME RWY 36R, Amdt 2
Baton Rouge, LA, Baton Rouge Metropolitan, Ryan Field, ILS OR LOC RWY 13, Amdt 27E
Baton Rouge, LA, Baton Rouge Metropolitan, Ryan Field, ILS OR LOC RWY 22R, Amdt 11B
Baton Rouge, LA, Baton Rouge Metropolitan, Ryan Field, NDB RWY 31, Amdt 2D
Baton Rouge, LA, Baton Rouge Metropolitan, Ryan Field, VOR RWY 4L, Amdt 17C
Baton Rouge, LA, Baton Rouge Metropolitan, Ryan Field, VOR/DME RWY 22R, Amdt 8H
Elkton, MD, Claremont, Takeoff Minimums and Obstacle DP, Amdt 1
Bellaire, MI, Antrim County, VOR RWY 2, Amdt 2A, CANCELED
Columbus/W Point/Starkville, MS, Golden Triangle Rgnl, ILS OR LOC RWY 36, Amdt 1
Siler City, NC, Siler City Muni, RNAV (GPS) RWY 4, Orig
Siler City, NC, Siler City Muni, RNAV (GPS) RWY 22, Amdt 1
Siler City, NC, Siler City Muni, Takeoff Minimums and Obstacle DP, Amdt 2
Siler City, NC, Siler City Muni, VOR-A, Amdt 3
New York, NY, West 30th St, Takeoff Minimums and Obstacle DP, Orig
Toledo, OH, Toledo Express, ILS OR LOC RWY 25, Amdt 8
Clemson, SC, Oconee County Rgnl, RNAV (GPS) RWY 7, Amdt 3
Wendover, UT, Wendover, RNAV (GPS) RWY 8, Amdt 1
La Crosse, WI, La Crosse Rgnl, RNAV (GPS) RWY 4, Amdt 1B

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.								
US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION												
TERMINAL ROUTES				MISSED APPROACH								
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LNAV: ACUTI CLIMB TO 5000 DIRECT WDSTC AND HOLD, CONTINUE CLIMB-IN-HOLD TO 5000. ADDITIONAL FLIGHT DATA: HOLD SE, RT, 321.86 INBOUND. CHART FAS OBST: 348 TREE 383159N/1225005W CHART PLANVIEW NOTE: FINAL APPROACH COURSE OFFSET 15.08 DEGREES. UCEVE TO RWY 14: 2.99/49.2 CHART CIRCLING ICON. FAC CROSSES RWY C/L EXTENDED 3000 FROM THLD. CHART VDP AT 0.89 MILES TO ACUTI								
LAPED	FIPUM (FB)	186.41 / 14.00	6500									
FIPUM (IAF)	LOZWU (NOPT) (FB)	192.33 / 5.44	5000									
ENI VORTAC	CABEX (FB)	130.98 / 18.00	5600									
CABEX (IAF)	LOZWU (NOPT) (FB)	097.75 / 5.25	5000									
LOZWU (IF/IAF)	EHETY (FB)	155.54 / 7.08	3300									
EHETY (FAF)	UCEVE/4.42 NM TO ACUTI (FB)	126.11 / 4.99										
(SEE FORM 8260-10)												
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD NW LOZWU, RT, 155.54 INBOUND, 5000 FT. IN LIEU OF PT (IAF) 3. FAC: 126.11 FAF: EHETY DIST FAF TO MAP: 9.41 THLD: 9.89 4. MIN. ALT: LOZWU 5000, EHETY 3300, UCEVE/4.42 NM TO ACUTI 1700 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: ACUTI 5900				MAG VAR: 16E EPOCH YEAR: 1985								
MINIMUMS												
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE: N A								
STANDARD @												
CATEGORY ==>	A		B		C		D		E			
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LNAV MDA	600	1	478	600	1	478	600	1 3/8	478	600	1 3/8	478
CIRCLING	600	1	471	680	1	551	1080	3	951	1420	3	1291
NOTES: CHART NOTE: DME/DME RNP-0.3 NA. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT LAPED ON V25 NORTHEAST BOUND AND V200 EASTBOUND. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT CABEX ON V27-494 NORTHWEST BOUND. (SEE FORM 8260-10)												
CITY AND STATE		ELEVATION: 129 TDZE: 122		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:			SUP:			
SANTA ROSA, CA		AIRPORT NAME:		CHARLES M. SCHULZ - SONOMA COUNTY		RNAV (GPS) RWY 14, AMDT 2A			AMDT: 2			
						8 JANUARY 2015			DATED 11/13/2014			

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

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TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
UCEVE/4.42 NM TO ACUTI	ACUTI (MAP) (FO)	126.11 / 4.42	
ACUTI (MAP)	529 MSL	126.11	
529 MSL	WDSTC (FO)		5000

NOTES, (CONT.):

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE PETALUMA ALTIMETER SETTING AND INCREASE ALL MDA 60 FEET AND INCREASE LNAV VISIBILITY CAT C AND D 1/4 MILE.

QUALITY
16
CHECKED

CITY AND STATE
SANTA ROSA, CA

ELEVATION: 129 TDZE: 122
AIRPORT NAME:
CHARLES M. SCHULZ - SONOMA COUNTY

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 14, AMDT 2A
8 JANUARY 2015

SUP:
AMDT: 2
DATED: 11/13/2014

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

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

ARINC PACKET - 424-18 - RNAV (GPS)

NAVAID	1	2	3	4	5	6	7	8	9	0	1	2	3
	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAD	ENI	K2011230VTHA	N39031158W123162758	N39031158W123162758E0160029852	NARMENDOCINO								

WP	1	2	3	4	5	6	7	8	9	0	1	2	3
	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAEAENRT	ACUTI	K20	W	N38313040W122490436	E0141	NAR	ACUTI						
SUSAEAENRT	CABEX	K20	C	L N38480430W123035468	E0142	NAR	CABEX						
SUSAEAENRT	EHETY	K20	W	N38385677W122562634	E0142	NAR	EHETY						
SUSAEAENRT	FIPUM	K20	W	N38504464W122542815	E0142	NAR	FIPUM						
SUSAEAENRT	LAPED	K20	C	L N39034214W122473826	E0142	NAR	LAPED						
SUSAEAENRT	LOZWU	K20	W	N38455716W122574610	E0142	NAR	LOZWU						
SUSAEAENRT	UCEVE	K20	W	N38350021W122523186	E0141	NAR	UCEVE						
SUSAEAENRT	WDSTC	K20	W	N38114186W122382678	E0140	NAR	WDSTC						

AIRPORT	1	2	3	4	5	6	7	8	9	0	1	2	3
	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP	KSTSK2ASTS	0	059YHN38303485W122484644E016000129	1800018000C	MNAR	CHARLES M. SCHULZ - SONOMA COU							

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP	KSTSK2FR14	AENI	010ENI	K2D 0V	IF					18000		B JS	
SUSAP	KSTSK2FR14	AENI	020CABEXK2EA0E	A 020TF		13100180	+ 05600					B JS	
SUSAP	KSTSK2FR14	AENI	030LOZWUK2EA0EE	B 010TF		09780053	+ 05000					B JS	
SUSAP	KSTSK2FR14	AFIPUM	010LAPEDK2EA0E	IF						18000		B JS	
SUSAP	KSTSK2FR14	AFIPUM	020FIPUMK2EA0E	A 020TF		18640140	+ 06500					B JS	
SUSAP	KSTSK2FR14	AFIPUM	030LOZWUK2EA0EE	B 010TF		19230054	+ 05000					B JS	
SUSAP	KSTSK2FR14	ALOZWU	010LOZWUK2EA0EE	AR HF		15550050	+ 05000		18000			B JS	
SUSAP	KSTSK2FR14	R	010LOZWUK2EA0E	I IF			+ 05000		18000			B JS	
SUSAP	KSTSK2FR14	R	020EHETYK2EA1E	F 051TF		15550071	+ 03300				ACUTI K2EAB	JS	
SUSAP	KSTSK2FR14	R	020EHETYK2EA2WN		N	ALNAV						JS	
SUSAP	KSTSK2FR14	R	021UCEVEK2EA0E	S 031TF		12610050	V 0170001717		-299			B JS	
SUSAP	KSTSK2FR14	R	030ACUTIK2EA0EY	M 031TF		12610044	00318		-299			B JS	
SUSAP	KSTSK2FR14	R	040	0 M CA		1261	+ 00529					B JS	
SUSAP	KSTSK2FR14	R	050WDSTCK2EA0EY	DF			+ 05000					B JS	
SUSAP	KSTSK2FR14	R	060WDSTCK2EA0EE	R HM		32190050	+ 05000					B JS	

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

CITY AND STATE SANTA ROSA, CA	ELEVATION: 129	TDZE: 122	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME: CHARLES M. SCHULZ - SONOMA COUNTY		RNAV	RNAV (GPS) RWY 14, AMDT 2A	AMDT: 2
				8 JANUARY 2015	DATED: 11/13/2014

QUALITY
4
CHECKED

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

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

SUSAP KSTSK2GRW14 0059991412 N38310306W122484973+0165 +0002400111000049150R

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

SUSAP KSTSK2SACUTIK2EA	0 18018005925										M		

QUALITY
16
CHECKED

CITY AND STATE SANTA ROSA, CA	ELEVATION: 129	TDZE: 122	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME:	CHARLES M. SCHULZ - SONOMA COUNTY		RNAV (GPS) RWY 14, AMDT 2A	AMDT: 2
			RNAV	8 JANUARY 2015	DATED: 11/13/2014

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

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

ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	ENI	ENI	010		IF		FB					
	ENI	CABEX	020	IAF	TF		FB	2.0	131.0 (147.0T)	018.0	AA 05600	
	ENI	LOZWU	030		TF		FB	1.0	097.8 (113.8T)	005.3	AA 05000	
	FIPUM	LAPED	010		IF		FB					
	FIPUM	FIPUM	020	IAF	TF		FB	2.0	186.4 (202.4T)	014.0	AA 06500	
	FIPUM	LOZWU	030		TF		FB	1.0	192.3 (208.3T)	005.4	AA 05000	
	LOZWU	LOZWU	010	IAF	HF	R	FO		155.5 (171.5T)	005.0	AA 05000	
		LOZWU	010	FACF	IF		FB				AA 05000	
		EHETY	020	FAF	TF		FB	0.5	155.5 (171.5T)	007.1	AA 03300	
		UCEVE	021	SDF	TF		FB	0.3	126.1 (142.1T)	005.0	AA 01700	GS 01717
		ACUTI	030	MAP	TF		FO	0.3	126.1 (142.1T)	004.4	AT 00318	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		126.1 (142.1T)		AA 00529	
	WDSTC	050		DF		FO				AA 05000	
	WDSTC	060		HM	R	FO		321.9 (337.9T)	005.0	AA 05000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	ENI	N390311.58	W1231627.58	N3903.193	W12316.460
	ACUTI	N383130.40	W1224904.36	N3831.507	W12249.073
	CABEX	N384804.30	W1230354.68	N3848.072	W12303.911
	EHETY	N383856.77	W1225626.34	N3838.946	W12256.439
	FIPUM	N385044.64	W1225428.15	N3850.744	W12254.469
	LAPED	N390342.14	W1224738.26	N3903.702	W12247.638
	LOZWU	N384557.16	W1225746.10	N3845.953	W12257.768
	UCEVE	N383500.21	W1225231.86	N3835.004	W12252.531
	WDSTC	N381141.86	W1223826.78	N3811.698	W12238.446
	RW14	N383103.06	W1224849.73	N3831.051	W12248.829

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW14	00111	49

QUALITY
16
CHECKED

CITY AND STATE SANTA ROSA, CA	ELEVATION: 129	TDZE: 122	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 14, AMDT 2A 8 JANUARY 2015	SUP:
	AIRPORT NAME: CHARLES M. SCHULZ - SONOMA COUNTY				AMDT: 2
					DATED: 11/13/2014

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

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

City, State	Airport	Effective Date	Amdt. No.
SOUTH LAKE TAHOE, CA	LAKE TAHOE	8 JANUARY 2015	7

TAKEOFF MINIMUMS:

RWY 18, STANDARD WITH MINIMUM CLIMB OF 804 FT PER NM TO 11500, OR 1600-3 WITH MINIMUM CLIMB OF 741 FT PER NM TO 11500, OR 5000-3 FOR VCOA.

RWY 36, 300 – 1 1/4 OR STANDARD WITH A MINIMUM CLIMB OF 269 FT PER NM TO 6500.

TEXTUAL DEPARTURE PROCEDURES:

RWY 18: CLIMB HEADING 176.92 TO 7900 THEN CLIMBING RIGHT TURN TO INTERCEPT AND CLIMB ON SWR R-133 TO SWR VOR/DME THENCE...

RWY 36: CLIMB HEADING 356.91 TO INTERCEPT AND CLIMB ON SWR R-113 TO SWR VOR/DME THENCE...
... PROCEED ON COURSE.

VISUAL CLIMB OVER AIRPORT:

RWY 18, OBTAIN ATC APPROVAL FOR VCOA WHEN REQUESTING IFR CLEARANCE.: REMAIN WITHIN 3 NM, CLIMB IN VISUAL CONDITIONS TO CROSS SOUTH LAKE TAHOE AIRPORT AT OR ABOVE 11100 MSL THEN INTERCEPT AND PROCEED ON SWR-127 TO SWR VOR/DME.

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 18, LIGHT POLE 10 FT FROM DER, 41 FT LEFT OF CENTERLINE, 2 FT AGL/6270 FT MSL. SIGN, POLE, TREE, AND VEHICLES ON ROAD BEGINNING 17 FT FROM DER, 229 FT RIGHT OF CENTERLINE, UP TO 80 FT AGL/6349 FT MSL. TREES BEGINNING 34 FT FROM DER, 353 LEFT OF CENTERLINE, UP TO 68 FT AGL/6337 FT MSL. TREES BEGINNING 158 FT FROM DER, CROSSING CENTERLINE, UP TO 120 FT AGL/6420 FT MSL. POLE 263 FT FROM DER, 428 FT RIGHT OF CENTERLINE, 102 FT AGL/6369 FT MSL. BUILDINGS AND A POLE BEGINNING 2654 FT FROM DER, 278 FT LEFT OF CENTERLINE, UP TO 43 FT AGL/6419 FT MSL. RAPIDLY RISING TERRAIN BEGINNING 2.1 NM FROM DER, 1534 FT LEFT OF CENTERLINE, UP TO 7092 FT MSL. TREE 2.57 NM FROM DER, 1454 FT LEFT OF CENTERLINE, 117 AGL/7837 FT MSL.

NOTE: RWY 36, VEHICLES ON ROAD BEGINNING 18 FT FROM DER, 360 FT LEFT OF CENTERLINE, UP TO 15 FT AGL/6266 FT MSL. TREES, WINDSOCK, OL AN LDA ANTENNA, AND OL ON DME ANTENNA BEGINNING 118 FT FROM DER, 18 FT RIGHT OF CENTERLINE, UP TO 85 FT AGL/6405 FT MSL. TREES BEGINNING 386 FT FROM DER, 170 FT LEFT OF CENTERLINE, UP 105 FT AGL/6345 FT MSL. VEHICLES ON ROAD BEGINNING 688 FT FROM DER, 69 FT RIGHT OF CENTERLINE, UP TO 15 FT AGL/6341 FT MSL. TREES BEGINNING 2788 FT FROM DER, 590 FT RIGHT OF CENTERLINE, UP TO 126 FT AGL/6406 FT MSL. TREES BEGINNING 2789 FT FROM DER, 1231 FT LEFT OF CENTERLINE, UP TO 122 FT AGL/6402 FT MSL.

CONTROLLING OBSTACLES:

RWY 18:, 7837 FT MSL TREE 385023.50N/1200021.43W, 7784 FT MSL TREE 385014.11N/1195959.50W, 10183 FT MSL AAO 385042.10N/1200931.60W

RWY 36: 6410 FT MSL TREE 385459.52N/1195900.31W

RWY 18: (VCOA): 10759 FT MSL AAO 385126.24N/1195406.58W

OBSTACLES MANDATING ROUTE DEVELOPMENT: 11081 FT MSL AAO 385130.50N/1195357.30W, 10174 FT MSL AAO 385407.00N/1200908.30W, 10183 FT MSL AAO 385042.10N/1200931.60W.

QUALITY
3
CHECKED

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

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City, State	Airport	Effective Date	Amdt. No.
SOUTH LAKE TAHOE, CA	LAKE TAHOE	8 JANUARY 2015	7

REMARKS:

LETTER OF APPROVAL IS ON FILE FOR 804 FT PER NM CLIMB GRADIENT.

FLIGHT INSPECTED BY:

REQUIRED EFFECTIVE DATE:

JOEL F. HAWKLEY *Digitally signed by*
JILL M OLSON FICO 10/28/2014

ROUTINE

DEVELOPED BY:

Nov 03, 2014

HERMAN ROGERS *Digitally signed by*
JILL M OLSON AJV-354 07/07/2014

APPROVED BY:

Nov 03, 2014

JILL M OLSON *Digitally signed by*
JILL M OLSON AJV-354

COORDINATED WITH: Nov 03, 2014

ATA, ALPA, APA, AOPA, NBAA, ZOA, TVL ATCT, AMGR

CHANGES:

1. REMOVED RUNWAY REDUCTION FROM RWY 36 TAKEOFF MINIMUMS.
2. CHANGED RWY 18 TAKEOFF MINIMUMS; LOWERED STANDARD VISIBILITY CLIMB GRADIENT FROM 832 FT PER NM TO 804 FT PER NM AND CHANGED 1700-3 MINIMUMS WITH 715 FT PER NM CLIMB GRADIENT TO 1600-3 WITH 741 FT PER NM AND ADDED VCOA AND RELATED NOTES.
3. INCREASED RWY 36 CLIMB GRADIENT FROM 215 TO 269 FT PER NM.
4. UPDATED TAKEOFF OBSTACLE NOTES AND CONTROLLING OBSTACLES.

REASONS:

1. NEW CONTROLLING OBSTACLE PENETRATES MORE THAN 35 FT.
2. NEW SURVEY DATA SUPERSEDES DEVELOPER CREATED TREES AND 8260.46E TABLE 2-1-1 AND APPENDIX D, SECTION 1, PARA 8.
- 3/4. NEW SURVEY DATA.



U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION VOR/DME STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.23								Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.									
TERMINAL ROUTES										MISSED APPROACH							
FROM			TO			COURSE AND DISTANCE			ALTITUDE		MAP: UMOVY/PIE 0.50 DME FIX CLIMB TO 1200 THEN CLIMBING LEFT TURN TO 1700 ON PIE VORTAC R-276 TO LAFAL INT/PIE 8.00 DME AND HOLD. ADDITIONAL FLIGHT DATA: HOLD W, RT, 096.00 INBOUND. CHART FAS OBST: 191 STACK 275224N/0824024W CHART: 372 TOWER 274741N/0824006W CHART VDP AT 1.67 DME DISTANCE VDP TO THLD 1.17 MILES. BIGOO TO RW36R: 3.15/50. CHART CIRCLING ICON. FAC CROSSES RWY C/L EXTENDED 3004 FROM THLD.						
PIE VORTAC			BIGOO/PIE 6.30 DME			187.71 / 6.30			2000								
1. PT <u>R</u> SIDE OF COURSE <u>187.71</u> OUTBOUND <u>2000</u> FT WITHIN <u>10</u> MILES OF <u>BIGOO</u> (IAF) 2. _____ 3. FAC <u>007.71</u> FAF <u>BIGOO/PIE 6.30 DME</u> DIST FAF TO MAP _____ THLD <u>5.80</u> 4. MIN. ALT <u>BIGOO 2000, BLOOP/PIE 2.30 DME 640</u> 8. MSA FROM: <u>PIE VORTAC 2700</u>														MAG VAR: 5W		EPOCH YEAR: 2010	
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-36R	460	1	450	460	1	450	460	1 3/8	450	460	1 3/8	450					
CIRCLING	520	1	509	520	1	509	640	1 3/4	629	680	2	669					
NOTES: CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT. CHART NOTE: VDP NA WITH TAMPA INTL ALTIMETER SETTING. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE TAMPA INTL ALTIMETER SETTING AND INCREASE ALL MDA 40 FEET, AND CIRCLING CAT D VISIBILITY 1/4 MILE. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.																	
CITY AND STATE ST PETERSBURG-CLEARWATER, FL				ELEVATION: 11 TDZE: 10 AIRPORT NAME: ST PETE-CLEARWATER INTL		FACILITY IDENTIFIER: PIE		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: VOR/DME RWY 36R, AMDT 2 8 JANUARY 2015				SUP VOR RWY 36R					
												AMDT 1B					
												DATE 04/03/2014					

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.								
US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION												
TERMINAL ROUTES				MISSED APPROACH								
FROM	TO	COURSE AND DISTANCE	ALTITUDE	ILS: DA LOC: 3.72 MILES AFTER RUNDI LOM/INT/I-BTR 4.85 DME OR AT I-BTR 1.13 DME FIX CLIMB TO 500 THEN CLIMBING RIGHT TURN TO 2000 DIRECT LSU VORTAC AND HOLD. ADDITIONAL FLIGHT DATA: HOLD SW, RT, 065.00 INBOUND. CHART FAS OBST: 177 STACK 303446N/0911230W CHART: ASR CHART VDP AT 2.17 DME* DISTANCE VDP TO THLD 1.04 MILES. *LOC ONLY.								
LSU VORTAC	RUNDI LOM/INT/I-BTR 4.85 DME	030.25 / 7.22	2000									
WRACK INT (IAF)	RELAY INT/I-BTR 10.78 DME (NOPT)	173.77 / 14.41 (LSU R-354)	2000									
RELAY INT/I-BTR 10.78 DME (IF)	RAZOJ INT/I-BTR 6.91 DME	130.47 / 3.87 (I-BTR)	1600									
RAZOJ INT/I-BTR 6.91 DME	RUNDI LOM/INT/I-BTR 4.85 DME	130.47 / 2.06 (I-BTR)	1400									
1. PT <u>L</u> SIDE OF COURSE <u>310.47</u> OUTBOUND <u>2000</u> FT WITHIN <u>10</u> MILES OF <u>RUNDI LOM</u> (IAF) 2. _____ 3. FAC: <u>130.47</u> FAF: <u>RUNDI LOM/INT/I-BTR 4.85 DME</u> DIST FAF TO MAP: <u>3.72</u> THLD: <u>3.72</u> 4. MIN. ALT: <u>RAZOJ INT/I-BTR 6.91 DME 1600, RUNDI LOM 1400</u> 5. DIST TO THLD FROM OM: <u>3.72</u> MM: <u>-</u> IM: <u>-</u> 150 HAT: <u>-</u> 100 HAT: <u>-</u> GS ANT: <u>1124</u> 6. MIN GS INCPT: <u>1400</u> GS ALT AT: <u>-</u> OM: <u>1384</u> MM: <u>-</u> IM: <u>-</u> 7. GS ANGLE: <u>3.00</u> TCH: <u>59.2</u> 8. MSA FROM: <u>BT LOM 159-250 2800, 250-159 2300</u>				MAG VAR: 3E EPOCH YEAR: 1995								
MINIMUMS												
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE: N A		ILS: STANDARD # LOC: STANDARD @						
CATEGORY =====>	A		B		C		D		E			
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
S-ILS 13	267	1/2	200	267	1/2	200	267	1/2	200	267	1/2	200
S-LOC 13	480	1/2	413	480	1/2	413	480	3/4	413	480	3/4	413
CIRCLING	560	1	490	560	1	490	660	1 1/2	590	680	2	610
NOTES: CHART NOTE: FOR INOPERATIVE MALSR WHEN USING HAMMOND NORTHSORE RGNL ALTIMETER SETTING, INCREASE S-ILS 13 ALL CATS VISIBILITY TO 7/8 MILE, AND S-LOC 13 VISIBILITY TO 1 3/8 MILE. CHART PROFILE NOTE: USE I-BTR DME WHEN ON THE LOCALIZER COURSE. CHART NOTE: VDP NA WITH HAMMOND NORTHSORE RGNL ALTIMETER SETTING. (SEE FORM 8260-10)				#@ NA WHEN CONTROL TOWER CLOSED. # CAT D 700-2 # @ NA WHEN LOCAL WEATHER NOT AVAILABLE.								
CITY AND STATE		ELEVATION: 70 TDZE: 67		FACILITY IDENTIFIER: I-BTR		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:		SUP:				
BATON ROUGE, LA		AIRPORT NAME: BATON ROUGE METROPOLITAN, RYAN FIELD				ILS OR LOC RWY 13, AMDT 27E 8 JANUARY 2015		AMDT: 27D				
								DATED 04/07/2011				



**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 HAMMOND NORTSHORE RGNL ALTIMETER

SETTING AND INCREASE ALL DA 91 FEET AND ALL MDA 100 FEET, INCREASE S-LOC 13 CATS C AND D

VISIBILITY 1/4 MILE, INCREASE CIRCLING CAT C VISIBILITY 1/2 MILE AND CAT D 1/4 MILE.

CHART NOTE: FOR INOPERATIVE MALSR, INCREASE S-LOC 13 CATS C AND D TO 1 1/8 MILE.



CITY AND STATE

BATON ROUGE, LA

ELEVATION: 70

TDZE: 67

AIRPORT NAME:

BATON ROUGE METROPOLITAN, RYAN FIELD

FACILITY
IDENTIFIER:

I-BTR

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

ILS OR LOC RWY 13, AMDT 27E

8 JANUARY 2015

SUP:

AMDT: 27D

DATED: 04/07/2011

FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.29

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

[illegible]

SUP:	CHECKED
AMDT:	27D
DATED:	04/07/2011

Page 3 of 8 Pages

FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.29

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

[illegible]

SUP:	12
AMDT:	27D
DATED:	04/07/2011

Page 4 of 8 Pages

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION								Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.				
ILS STANDARD INSTRUMENT APPROACH PROCEDURE												
FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.29												
ARINC SUMMARY - 424-18 - ILS												
ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	LSU	LSU	010		IF		FB					
	LSU	RUNDI	020		TF		FB				AA 02000	
	LSU	RUNDI	030	IAF	PI	R	FB		265.5 ()	010.0	AA 02000	
	WRACK	WRACK	010	IAF	IF		FB					
	WRACK	RELAY	020		TF		FB				AA 02000	
	WRACK	RAZOJ	030		CF		FB		130.5 ()	003.9	AA 01600	
		RAZOJ	010	FACF	IF		FB				AA 01600 GI 01400	
		RUNDI	020	FAF	CF		FB		130.0 ()	002.1	GI 01400 GS 01384	
		RW13	030	MAP	CF		FO		130.0 ()	003.7	AT 00126	
MISSED APPROACH		FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
			040		CA		FB		130.5 ()		AA 00500	
		LSU	050		DF	R	FO				AA 02000	
		LSU	060		HM	R	FO		065.0 ()	T01.0	AA 02000	
POINT DATA		WAYPOINT	LAT IN SECS		LONG IN SECS		LAT IN MINS		LONG IN MINS			
		LSU	N302906.47		W0911738.62		N3029.108		W09117.644			
		IBTR (DME)	N303133.91		W0910839.09		N3031.565		W09108.652			
		WRACK	N305327.93		W0911745.48		N3053.466		W09117.758			
		RAZOJ	N303621.45		W0911425.80		N3036.358		W09114.430			
		RELAY	N303901.44		W0911741.39		N3039.024		W09117.690			
		RUNDI	N303456.42		W0911241.95		N3034.940		W09112.699			
		RW13	N303222.58		W0910934.29		N3032.376		W09109.572			
		IBTR (LOC)	N303136.76		W0910838.45		N3031.613		W09108.641			
		BT	N303458.43		W0911239.75		N3034.974		W09112.663			
RUNWAY DATA		RWY	THRESHOLD ELEVATION		TCH							
		RW13	00066		57							
CITY AND STATE BATON ROUGE, LA		ELEVATION: 70		TDZE: 67		FACILITY IDENTIFIER: I-BTR		PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: ILS OR LOC RWY 13, AMDT 27E 8 JANUARY 2015				
		AIRPORT NAME: BATON ROUGE METROPOLITAN, RYAN FIELD									SUP: AMDT: 27D DATED: 04/07/2011	

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.

FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.25

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[illegible]

SUP:	
AMDT:	27D
DATED:	04/07/2011

Page 7 of 8 Pages

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

LOC STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.25

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

ARINC SUMMARY - 424-18 - LOC

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	LSU	LSU	010		IF		FB					
	LSU	RUNDI	020		TF		FB				AA 02000	
	LSU	RUNDI	030	IAF	PI	R	FB		265.5 ()	010.0	AA 02000	
	WRACK	WRACK	010	IAF	IF		FB					
	WRACK	RELAY	020		TF		FB				AA 02000	
	WRACK	RAZOJ	030		CF		FB		130.5 ()	003.9	AA 01600	
		RAZOJ	010	FACF	IF		FB				AA 01600	
		RUNDI	020	FAF	CF		FB		130.0 ()	002.1	AA 01400	
		RW13	030	MAP	CF		FO		130.0 ()	003.7	AT 00126	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		130.5 ()		AA 00500	
	LSU	050		DF	R	FO				AA 02000	
	LSU	060		HM	R	FO		065.0 ()	T01.0	AA 02000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	LSU	N302906.47	W0911738.62	N3029.108	W09117.644
	IBTR (DME)	N303133.91	W0910839.09	N3031.565	W09108.652
	WRACK	N305327.93	W0911745.48	N3053.466	W09117.758
	RAZOJ	N303621.45	W0911425.80	N3036.358	W09114.430
	RELAY	N303901.44	W0911741.39	N3039.024	W09117.690
	RUNDI	N303456.42	W0911241.95	N3034.940	W09112.699
	RW13	N303222.58	W0910934.29	N3032.376	W09109.572
	IBTR (LOC)	N303136.76	W0910838.45	N3031.613	W09108.641
	BT	N303458.43	W0911239.75	N3034.974	W09112.663

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW13	00066	57

CITY AND STATE
BATON ROUGE, LA

ELEVATION: 70 TDZE: 67
AIRPORT NAME:
BATON ROUGE METROPOLITAN, RYAN
FIELD

FACILITY
IDENTIFIER:

I-BTR

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
ILS OR LOC RWY 13, AMDT 27E
8 JANUARY 2015

SUP:
AMDT: 27D
DATED: 04/07/2011

QUALITY
12
CHECKED

ILS - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.29				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.											
US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION															
TERMINAL ROUTES				MISSED APPROACH											
FROM	TO	COURSE AND DISTANCE	ALTITUDE	ILS: DA LOC: 4.97 MILES AFTER COMIT OM/I-CLZ 6.26 DME OR AT I-CLZ 1.29 DME FIX CLIMB TO 600 THEN CLIMBING RIGHT TURN TO 2000 DIRECT LSU VORTAC AND HOLD, OR AS DIRECTED BY ATC. ALTERNATE MA: CLIMB TO 600 THEN CLIMBING LEFT TURN TO 3000 ON HEADING 075 AND ON RQR VOR/DME R-321 TO DILLS/RQR 31.26 DME AND HOLD. (DME REQUIRED). ADDITIONAL FLIGHT DATA: HOLD SW, RT, 065.00 INBOUND. CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD SE DILLS/RQR 31.26 DME, RT, 320.87 INBOUND. CHART FAS OBST: 216 TREE4 303301N/0910729W CHART IN PLANVIEW ONLY: KUREC/I-CLZ 13.29 DME. CHART: ASR CHART IN PLANVIEW: DILLS/RQR 31.26 DME.											
LSU VORTAC	COMIT OM/I-CLZ 6.26 DME	052.87 / 13.20	1900												
1. PT <u>R</u> SIDE OF COURSE <u>040.47</u> OUTBOUND <u>1900</u> FT WITHIN <u>10</u> MILES OF <u>COMIT OM</u> (IAF) 2. _____ 3. FAC: <u>220.47</u> FAF: <u>COMIT OM/I-CLZ 6.26 DME</u> DIST FAF TO MAP: <u>4.97</u> THLD: <u>4.97</u> 4. MIN. ALT: <u>COMIT OM/I-CLZ 6.26 DME 1800, ZIBES/I-CLZ 2.79 DME 540*</u> 5. DIST TO THLD FROM OM: <u>4.97</u> MM: <u>-</u> IM: <u>-</u> 150 HAT: <u>-</u> 100 HAT: <u>-</u> GS ANT: <u>1032</u> 6. MIN GS INCPT: <u>1800</u> GS ALT AT: <u>-</u> OM: <u>1709</u> MM: <u>-</u> IM: <u>-</u> 7. GS ANGLE: <u>3.00</u> TCH: <u>54.6</u> 8. MSA FROM: <u>LSU VORTAC 070-260 2800, 260-070 1900</u>				MAG VAR: 3E EPOCH YEAR: 1995											
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 22R	270	1800	200	270	1800	200	270	1800	200	270	1800	200			
S-LOC 22R	540	2400	470	540	2400	470	540	5000	470	540	5000	470			
CIRCLING	560	1	490	560	1	490	660	1 1/2	590	680	2	610			
ZIBES FIX MINIMUMS (DME REQUIRED)															
S-LOC 22R	480	2400	410	480	2400	410	480	4000	410	480	4000	410			
CIRCLING	560	1	490	560	1	490	660	1 1/2	590	680	2	610			
NOTES: CHART PLANVIEW NOTE: DME OR RADAR REQUIRED. *LOC ONLY *640 WHEN USING HAMMOND ALTIMETER SETTING. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE HAMMOND ALTIMETER SETTING AND INCREASE (SEE FORM 8260-10)															
CITY AND STATE BATON ROUGE, LA				ELEVATION: 70 TDZE: 70 AIRPORT NAME: BATON ROUGE METROPOLITAN, RYAN FIELD		FACILITY IDENTIFIER: I-CLZ		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 22R, AMDT 11B 8 JANUARY 2015				SUP: AMDT: 11A 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.):

DA 91 FEET AND ALL MDA 100 FEET; INCREASE S-ILS 22R VISIBILITY TO RVR 2200 ALL CATS, INCREASE S-LOC 22R CATS C/D VISIBILITY 1/4 MILE AND CIRCLING CAT C VISIBILITY 1/2 MILE, AND CIRCLING CAT D VISIBILITY 1/4 MILE, INCREASE ZIBES FIX MINIMUMS S-LOC 22R CATS C/D VISIBILITY TO RVR 5000, AND CIRCLING CAT C VISIBILITY 1/2 MILE, AND CAT D VISIBILITY 1/4 MILE.

CHART NOTE: WHEN USING HAMMOND ALTIMETER SETTING FOR INOPERATIVE MALSR, INCREASE S-ILS 22R VISIBILITY TO RVR 4500 ALL CATS, S-LOC 22R CAT C/D VISIBILITY TO 1 5/8, AND INCREASE ZIBES FIX MINIMUMS S-LOC 22R CATS C/D VISIBILITY TO 1 3/8 MILE.

QUALITY
8
CHECKED

CITY AND STATE

BATON ROUGE, LA

ELEVATION: 70

TDZE: 70

AIRPORT NAME:

BATON ROUGE METROPOLITAN, RYAN FIELD

FACILITY
IDENTIFIER:

I-CLZ

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

ILS OR LOC RWY 22R, AMDT 11B

8 JANUARY 2015

SUP:

AMDT: 11A

DATED: 07/24/2014

FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.29

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[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KBTRK4FI22R	ALSU	010LSU	K4D 0V	IF					18000		0	NS
SUSAP	KBTRK4FI22R	ALSU	020COMITK4PC0E	TF				+	01900			0	NS
SUSAP	KBTRK4FI22R	ALSU	030COMITK4PC0EE AL	PI	ICLZK4	0405006308550100PI		+	01900			0	NS
SUSAP	KBTRK4FI22R	I	010KURECK4PC0E I	IF	ICLZK4	04050133	PI	J	019000180018000			0	NS
SUSAP	KBTRK4FI22R	I	020COMITK4PC0E F	CF	ICLZK4	0405006322000070PI	H		0180001709	-300LSU	K4D	0	NS
SUSAP	KBTRK4FI22R	I	030RW22RK4PG0GY M	CF	ICLZK4	0405001322000050PI			00124	-300		0	NS
SUSAP	KBTRK4FI22R	I	040	0 M	CA	2205		+	00600			0	NS
SUSAP	KBTRK4FI22R	I	050LSU	K4D 0VY	DF				02000			0	NS
SUSAP	KBTRK4FI22R	I	060LSU	K4D 0VE R	HM	0650T010		+	02000			0	NS

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SUP:	
AMDT:	11A
DATED:	07/24/2014

QUALITY
15
CHECKED

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.29

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ARINC SUMMARY - 424-18 - ILS

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	LSU	LSU	010		IF		FB					
	LSU	COMIT	020		TF		FB				AA 01900	
	LSU	COMIT	030	IAF	PI	L	FB		085.5 ()	010.0	AA 01900	
		KUREC	010	FACF	IF		FB				AA 01900	GI 01800
		COMIT	020	FAF	CF		FB		220.0 ()	007.0	GI 01800	GS 01709
		RW22R	030	MAP	CF		FO		220.0 ()	005.0	AT 00124	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		220.5 ()		AA 00600	
	LSU	050		DF		FO				AA 02000	
	LSU	060		HM	R	FO		065.0 ()	T01.0	AA 02000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	LSU	N302906.47	W0911738.62	N3029.108	W09117.644
	ICLZ (DME)	N303119.63	W0910928.72	N3031.327	W09109.479
	COMIT	N303556.17	W0910433.20	N3035.936	W09104.553
	KUREC	N304102.57	W0905856.60	N3041.043	W09058.943
	RW22R	N303219.18	W0910831.05	N3032.320	W09108.518
	ICLZ (LOC)	N303121.10	W0910934.65	N3031.352	W09109.578

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW22R	00070	55

QUALITY
15
CHECKED

CITY AND STATE BATON ROUGE, LA	ELEVATION: 70	TDZE: 70	FACILITY IDENTIFIER: I-CLZ	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: ILS OR LOC RWY 22R, AMDT 11B 8 JANUARY 2015	SUP:
	AIRPORT NAME: BATON ROUGE METROPOLITAN, RYAN FIELD				AMDT: 11A
					DATED: 07/24/2014

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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QUALITY
15
CHECKED

Page 5 of 7 Pages

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

LOC STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.25

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SUSAP KBTRK4SLSU K4D

0 0802500192525008002825

M

QUALITY
15
CHECKED

CITY AND STATE

BATON ROUGE, LA

ELEVATION: 70

TDZE: 70

AIRPORT NAME:

BATON ROUGE METROPOLITAN, RYAN
FIELDFACILITY
IDENTIFIER:

I-CLZ

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:

ILS OR LOC RWY 22R, AMDT 11B

8 JANUARY 2015

SUP:

AMDT: 11A

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 - 424-18 - LOC

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	LSU	LSU	010		IF		FB					
	LSU	COMIT	020		TF		FB				AA 01900	
	LSU	COMIT	030	IAF	PI	L	FB		085.5 ()	010.0	AA 01900	
		KUREC	010	FACF	IF		FB				AA 01900	
		COMIT	020	FAF	CF		FB		220.0 ()	007.0	AA 01800	
		ZIBES	021	SDF	CF		FB		220.0 ()	003.5	AA 00540	
		RW22R	030	MAP	CF		FO		220.0 ()	001.5	AT 00124	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		220.5 ()		AA 00600	
	LSU	050		DF		FO				AA 02000	
	LSU	060		HM	R	FO		065.0 ()	T01.0	AA 02000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	LSU	N302906.47	W0911738.62	N3029.108	W09117.644
	ICLZ (DME)	N303119.63	W0910928.72	N3031.327	W09109.479
	COMIT	N303556.17	W0910433.20	N3035.936	W09104.553
	KUREC	N304102.57	W0905856.60	N3041.043	W09058.943
	ZIBES	N303324.65	W0910719.34	N3033.411	W09107.322
	RW22R	N303219.18	W0910831.05	N3032.320	W09108.518
	ICLZ (LOC)	N303121.10	W0910934.65	N3031.352	W09109.578

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW22R	00070	55

QUALITY
15
CHECKED

CITY AND STATE BATON ROUGE, LA	ELEVATION: 70	TDZE: 70	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME: BATON ROUGE METROPOLITAN, RYAN FIELD		I-CLZ	ILS OR LOC RWY 22R, AMDT 11B 8 JANUARY 2015	AMDT: 11A
					DATED: 07/24/2014

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: 4.50 MILES AFTER CREOL INT							
LSU VORTAC			CREOL INT			086.85 / 10.95				2100		CLIMB TO 1000 THEN CLIMBING LEFT TURN TO 2100 DIRECT LSU VORTAC AND HOLD.							
										ADDITIONAL FLIGHT DATA: HOLD SW, RT, 065.00 INBOUND. CHART FAS OBST: 530 TOWER 302702N/0910637W CHART: ASR CREOL TO RW31: 3.10/52.									
1. PT <u>L</u> SIDE OF COURSE <u>130.99</u> OUTBOUND <u>2100</u> FT WITHIN <u>10</u> MILES OF <u>CREOL INT</u> (IAF)																			
2.																			
3. FAC <u>310.99</u> FAF <u>CREOL INT</u> DIST FAF TO MAP <u>4.50</u> THLD <u>4.50</u>																			
4. MIN. ALT <u>CREOL INT 1600</u>																			
8. MSA FROM: <u>BT LOM 159-250 2800, 250-159 2300</u>										MAG VAR: 3E EPOCH YEAR: 1995									
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-31	880	3/4	810	880	1	810	880	2	810	880	2	810							
CIRCLING	880	1	810	880	1 1/4	810	880	2 1/2	810	880	2 1/2	810							
NOTES:																			
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE HAMMOND NORTHSORE RGNL ALTIMETER SETTING AND INCREASE ALL MDA 100 FEET AND INCREASE S-31 CAT A AND CIRCLING CATS A AND C VISIBILITY 1/4 MILE AND S-31 CATS C AND D AND CIRCLING CAT D VISIBILITY 1/2 MILE.										@ NA WHEN CONTROL TOWER CLOSED.									
CHART NOTE: FOR INOPERATIVE MALS, INCREASE S-31 CATS C AND D VISIBILITY TO 2 1/2.										@ CAT A, B 900-2, CAT C, D 900-2 1/2									
CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NA.										@ NA WHEN LOCAL WEATHER NOT AVAILABLE.									
CITY AND STATE		ELEVATION: 70		TDZE: 70		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP							
BATON ROUGE, LA		AIRPORT NAME:				BT		NDB RWY 31, AMDT 2D				AMDT 2C							
		BATON ROUGE METROPOLITAN, RYAN FIELD						8 JANUARY 2015				DATE 04/07/2011							



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: 7.55 MILES AFTER LSU VORTAC OR AT LSU 7.55 DME FIX CLIMB TO 2500 ON LSU VORTAC R-060 TO AROLL INT/LSU 24.32 DME AND HOLD.							
										ADDITIONAL FLIGHT DATA: HOLD SW, RT, 060.20 INBOUND. CHART FAS OBST: 366 STACK 302950N/0911035W CHART 525 TOWER 302938N/0911440W. CHART: 459 T-L TWR 302930N/0911210W CHART: ASR LSU VORTAC TO RW4L: 2.97/52.							
1. PT <u> L </u> SIDE OF COURSE <u> 245.19 </u> OUTBOUND <u> 2500 </u> FT WITHIN <u> 10 </u> MILES OF <u> LSU VORTAC </u> (IAF) 2. _____ 3. FAC <u> 065.19 </u> FAF <u> LSU VORTAC </u> DIST FAF TO MAP <u> 7.55 </u> THLD <u> 7.55 </u> 4. MIN. ALT <u> LSU VORTAC 2500, PAYIN/LSU 5.00 DME/RADAR 920* </u> 8. MSA FROM: <u> LSU VORTAC 070-260 2800, 260-070 1900 </u>														MAG VAR: 6E		EPOCH YEAR: 1965	
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-04L	920	1	851	920	1 1/4	851	920	2 1/2	851	920	2 1/2	851					
CIRCLING	920	1 1/4	850	920	1 1/4	850	920	2 1/2	850	920	2 3/4	850					
PAYIN FIX MINIMUMS																	
S-04L	620	1	551	620	1	551	620	1 5/8	551	620	1 5/8	551					
CIRCLING	620	1	550	620	1	550	660	1 5/8	590	680	2	610					
NOTES: CHART PLANVIEW NOTE: NOPT FOR ARRIVAL ON LSU VORTAC AIRWAY RADIALS 239 CW 301. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE HAMMOND NORTHSHORE RGNL ALTIMETER SETTING AND INCREASE ALL MDA 100 FEET, INCREASE S-4L CATS A/B AND CIRCLING CATS B/D VISIBILITY 1/4 MILE AND S-4L CATS C/D AND CIRCLING CAT C VISIBILITY 1/2 MILE, PAYIN FIX MINIMUMS: INCREASES-4L (SEE FORM 8260-10) @ CAT A, B 900-2, CAT C 900-2 1/2, CAT D 900-2 3/4 @ NA WHEN LOCAL WEATHER NOT AVAILABLE.																	
CITY AND STATE		ELEVATION: 70		TDZE: 69		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP					
BATON ROUGE, LA		AIRPORT NAME:		BATON ROUGE METROPOLITAN, RYAN FIELD		LSU		VOR RWY 4L, AMDT 17C 8 JANUARY 2015				AMDT 17B					
												DATE 04/07/2011					



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

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

NOTES, (CONT.):

CATS C/D AND CIRCLING CAT D VISIBILITY 1/4 MILE AND CIRCLING CAT C VISIBILITY 3/8 MILE.

CHART PROFILE NOTE: *1020 WHEN USING HAMMOND NORTHSORE RGNL ALTIMETER SETTING.



CITY AND STATE

BATON ROUGE, LA

ELEVATION: 70

TDZE: 69

AIRPORT NAME:

BATON ROUGE METROPOLITAN, RYAN FIELD

FACILITY
IDENTIFIER:

LSU

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

VOR RWY 4L, AMDT 17C

8 JANUARY 2015

SUP:

AMDT: 17B

DATED: 04/07/2011

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION VOR/DME STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.23								Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.							
TERMINAL ROUTES										MISSED APPROACH					
FROM		TO		COURSE AND DISTANCE				ALTITUDE		MAP: ZASVI/9.09 DME					
LSU VORTAC		HOGNA/14.00 DME		060.20 / 14.00				1900		CLIMB TO 2200 ON LSU VORTAC R-060 DIRECT LSU VORTAC. ADDITIONAL FLIGHT DATA: CHART FAS OBST: 219 TOWER 303304N/0910534W CHART 547 TOWER 303337N/0910234W. CHART VDP AT 9.63 DME DISTANCE VDP TO THLD 1.12 MILES. HOGNA TO RW22R: 3.05/52. FAC 319R OF RWY C/L EXTENDED 3825 FROM THLD. CHART: ASR					
WALKE INT (IAF)		AROLL INT/LSU 24.32 DME (NOPT)		335.00 / 8.92 (RQR R-335)				1900							
AROLL INT/LSU 24.32 DME (IF)		HOGNA/14.00 DME		240.20 / 10.32 (LSU R-060)				1900							
1. PT <u>R</u> SIDE OF COURSE <u>060.20</u> OUTBOUND <u>1900</u> FT WITHIN <u>10</u> MILES OF <u>HOGNA</u> (IAF) 2. _____ 3. FAC <u>240.20</u> FAF <u>HOGNA/14.00 DME</u> DIST FAF TO MAP _____ THLD <u>5.49</u> 4. MIN. ALT <u>HOGNA 1900</u> 8. MSA FROM: LSU VORTAC 070-260 2800, 260-070 1900										MAG VAR: 6E		EPOCH YEAR: 1965			
MINIMUMS															
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT								ALTERNATE: N A		STANDARD @					
CATEGORY =====>		A		B		C		D		E					
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA
S-22R	480	2400	410	480	2400	410	480	4000	410	480	4000	410			
CIRCLING	560	1	490	560	1	490	660	1 1/2	590	680	2	610			
NOTES: CHART NOTE: FOR INOPERATIVE MALSR, INCREASE S-22R CATS C AND D VISIBILITY TO RVR 6000. CHART NOTE: VDP NA WITH HAMMOND NORTHSHORE RGNL ALTIMETER SETTING. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE HAMMOND NORTHSHORE RGNL ALTIMETER SETTING AND INCREASE ALL MDA 100 FEET AND S-22R CATS C AND D VISIBILITY 1/4 MILE, INCREASE (SEE FORM 8260-10)															
CITY AND STATE BATON ROUGE, LA		ELEVATION: 70		TDZE: 70		FACILITY IDENTIFIER: LSU		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: VOR/DME RWY 22R, AMDT 8H 8 JANUARY 2015				SUP			
		AIRPORT NAME: BATON ROUGE METROPOLITAN, RYAN FIELD		AMDT								8G			
				DATE								04/07/2011			



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

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

NOTES, (CONT.):

CIRCLING CAT C VISIBILITY 1/2 MILE, CAT D 1/4 MILE. CHART NOTE: FOR INOPERATIVE MALSR WHEN USING HAMMOND
NORTHSHORE RGNL ALTIMETER SETTING, INCREASE S-22R CATS C AND D VISIBILITY TO 1 3/8 MILE.

QUALITY
8
CHECKED

CITY AND STATE

BATON ROUGE, LA

ELEVATION: 70

TDZE: 70

AIRPORT NAME:

BATON ROUGE METROPOLITAN, RYAN FIELD

FACILITY
IDENTIFIER:

LSU

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

VOR/DME RWY 22R, AMDT 8H

8 JANUARY 2015

SUP:

AMDT: 8G

DATED: 04/07/2011

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

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

City, State	Airport	Effective Date	Amdt. No.
ELKTON, MD	CLAREMONT	8 JANUARY 2015	1

TAKEOFF MINIMUMS:

RWY 13 STANDARD.
RWY 31, 600-2 ¼ OR STANDARD WITH A MINIMUM CLIMB OF 360 FT/NM TO 900.

TEXTUAL DEPARTURE PROCEDURES:

RWY 31-CLIMB HEADING 307.52 TO 900 BEFORE TURNING LEFT.

VISUAL CLIMB OVER AIRPORT:

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 13, POLES BEGINNING 9 FT FROM DER, 39 FT LEFT OF CENTERLINE, UP TO 30 FT AGL/95 FT MSL. TREES BEGINNING 22 FT FROM DER, 55 FT LEFT OF CENTERLINE, UP TO 47 FT AGL/107 FT MSL. TREES BEGINNING 154 FT FROM DER, 145 FT LEFT OF CENTERLINE, UP TO 93 FT AGL/153 FT MSL. TREES BEGINNING 389 FT FROM DER, 14 FT LEFT OF CENTERLINE, UP TO 117 FT AGL/177 FT MSL. TREES BEGINNING 873 FT FROM DER, 56 FT LEFT OF CENTERLINE, UP TO 107 FT AGL/157 FT MSL.

POLES BEGINNING 37 FT FROM DER, 21 FT RIGHT OF CENTERLINE, UP TO 36 FT AGL/86 FT MSL. TREES BEGINNING 119 FT FROM DER, 34 FT RIGHT OF CENTERLINE, UP TO 83 FT AGL/143 FT MSL. TREES BEGINNING 470 FT FROM DER, 33 FT RIGHT OF CENTERLINE, UP TO 83 FT AGL/153 FT MSL. TREES BEGINNING 1379 FT FROM DER, 59 FT RIGHT OF CENTERLINE, UP TO 92 FT AGL/142 FT MSL.

NOTE: RWY 31, TREES BEGINNING 2 FT FROM DER, 231 FT LEFT OF CENTERLINE, UP TO 84 FT AGL/184 FT MSL. TREES BEGINNING 177 FT FROM DER, 152 FT LEFT OF CENTERLINE, UP TO 101 FT AGL/201 FT MSL. TREES BEGINNING 655 FT FROM DER, 8 FT LEFT OF CENTERLINE, UP TO 99 FT AGL/199 FT MSL. TREES BEGINNING 2214 FT FROM DER, 10 FT LEFT OF CENTERLINE, UP TO 109 FT AGL/189 FT MSL. ANTENNA 1.9 NM FROM DER, 3436 FT LEFT OF CENTERLINE, 345 FT AGL/620 FT MSL.

TERRAIN BEGINNING 6 FT FROM DER, 67 FT RIGHT OF CENTERLINE, 117 FT MSL. TREES BEGINNING 256 FT FROM DER, 81 FT RIGHT OF CENTERLINE, UP TO 60 FT AGL/170 FT MSL. TREES BEGINNING 776 FT FROM DER, 23 FT RIGHT OF CENTERLINE, UP TO 91 FT AGL/201 FT MSL. TREES BEGINNING 1965 FT FROM DER, 15 FT RIGHT OF CENTERLINE, UP TO 81 FT AGL/261 FT MSL.

CONTROLLING OBSTACLES:

RWY 31: 620 FT MSL ANTENNA 393450.86N/0755457.62W.

OBSTACLE MANDATING ODP ROUTE DEVELOPMENT: RWY 31-637 FT MSL TOWER 393449.50N/0755457.50W.

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.
ELKTON, MD	CLAREMONT	8 JANUARY 2015	1

REMARKS:

FLIGHT INSPECTED BY:

Digitally signed by
JULIE A MORGAN
Nov 17, 2014

DURLEY J FELDER

11/17/2014

REQUIRED EFFECTIVE DATE:

ROUTINE

DEVELOPED BY:

Digitally signed by
FRANK JACKSON **JULIE A MORGAN**
Nov 17, 2014

AJV-352

8/19/14

APPROVED BY:

Digitally signed by
SUE CRUMB **JULIE A MORGAN**
Nov 17, 2014

AJV-352

11/17/2014

COORDINATED WITH:

AOPA, NBAA, ZDC, PHI/BWI/DOVER APP CON, APT MGR

CHANGES:

1. DELETED RWY 13 NOTE: CROSS DER AT OR ABOVE 27' AGL/89' MSL AND RWY 31 NOTE: CROSS DER AT OR ABOVE 20' AGL/126' MSL.
2. RWY 31 TAKEOFF MINIMUMS CHANGED FROM 300-1 ½ OR STANDARD WITH MINIMUM CLIMB OF 290 FT PER NM TO 400 TO 600-2 ¼ OR STANDARD WITH A MINIMUM CLIMB OF 360 FT/NM TO 900.
3. AIRPORT NAME CHANGED FROM CECIL COUNTY TO CLAREMONT.
4. UPDATED TAKEOFF OBSTACLES NOTES.
5. UPDATED CONTROLLING OBSTACLES.

REASONS:

1. IAW 8260.46 TABLE 2-1.
2. UPDATED OBSTACLES IN ICA AND DIVERSE AREA.
3. PER NFDD 155-39 DATED 8/12/2014.
- 4,5. UPDATED OBSTACLE SURVEY.

QUALITY
3
CHECKED

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

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TERMINAL ROUTES

MISSED APPROACH

FROM

TO

COURSE AND DISTANCE

ALTITUDE

ADDITIONAL FLIGHT DATA:

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

2. _____

3. FAC _____ FAF _____ DIST FAF TO MAP _____ THLD _____

4. MIN. ALT _____

8. MSA FROM: _____

MAG VAR: _____

EPOCH YEAR: _____

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT

ALTERNATE: N A

CATEGORY =====>

A

B

C

D

E

MDA

VIS

HAT/HAA

MDA

VIS

HAT/HAA

MDA

VIS

HAT/HAA

MDA

VIS

HAT/HAA

MDA

VIS

HAT/HAA

NOTES:

PROCEDURE CANCELED EFFECTIVE 8 JANUARY 2015

CITY AND STATE
BELLAIRE, MI

ELEVATION: 623
AIRPORT NAME:

TDZE: 623

ANTRIM COUNTY

FACILITY
IDENTIFIER:
TVC

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
VOR RWY 2, AMDT 2A, 08/03/2006

SUP

AMDT

DATE

03/05/1992

QUALITY
4
CHECKED

ILS - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.29				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.											
US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION															
TERMINAL ROUTES				MISSED APPROACH											
FROM	TO	COURSE AND DISTANCE	ALTITUDE	ILS: DA LOC: 5.35 MILES AFTER BAWMO/I-RVT 6.92 DME/RADAR OR AT I-RVT 1.57 DME FIX CLIMB TO 700 THEN CLIMBING LEFT TURN TO 2400 ON IGB VORTAC R-266 TO HANOP INT/IGB 13.00 DME AND HOLD, OR AS DIRECTED BY ATC. ALTERNATE MA: CLIMB TO 700 THEN CLIMBING LEFT TURN TO 2400 ON HEADING 266 AND OTB VOR/DME R-174 TO HANOP INT/OTB 44.34 DME AND HOLD. ADDITIONAL FLIGHT DATA: HOLD E, LT, 265.65 INBOUND. CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD S HANOP INT/OTB 44.34 DME, RT, 354.40 INBOUND. CHART FAS OBST: 361 TREE 332409N/0883530W CHART IN PLANVIEW AND PROFILE: IGB 15.03 DME AT DIXVU. CHART A-440, R-4404A/B/C. CHART KCBM, KM83. CHART VDP AT 2.55 DME* DISTANCE VDP TO THLD 0.98 MILES. *LOC ONLY. CHART IGB R-078 AT UYSEF. CHART CIRCLING ICON.											
IGB VORTAC	DIXVU/IGB 15.03 DME/RADAR	191.49 / 15.03	3000												
UYSEF/IGB 15.03 DME CW (IAF)	DIXVU/I-RVT 13.17 DME/RADAR (NOPT)	15.03 DME ARC	3000												
DIXVU/I-RVT 13.17 DME/RADAR (IF/IAF)	BAWMO/I-RVT 6.92 DME/RADAR	002.47 / 6.25 (I-RVT)	2000												
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD S DIXVU, RT, 002.47 INBOUND, 3000 FT. IN LIEU OF PT (IAF) 3. FAC: 002.47 FAF: BAWMO/I-RVT 6.92 DME/RADAR DIST FAF TO MAP: 5.35 THLD: 5.35 4. MIN. ALT: DIXVU 3000, BAWMO 2000, JAKVU/I-RVT 4.27 DME 1140* 5. DIST TO THLD FROM OM: _____ - _____ MM: _____ - _____ IM: _____ - 150 HAT: _____ - 100 HAT: _____ - GS ANT: 1002 6. MIN GS INCPT: 2000 GS ALT AT: BAWMO 2000 OM: _____ - _____ MM: _____ - _____ IM: _____ - 7. GS ANGLE: 3.00 TCH: 42.4 8. MSA FROM: IGB VORTAC 3400				MAG VAR: 2W EPOCH YEAR: 2015											
MINIMUMS															
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE: N A		ILS: #		LOC: @		(SEE FORM 8260-10)					
CATEGORY =====>	A		B		C		D		E						
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
S-ILS 36	461	3/4	200	461	3/4	200	461	3/4	200	461	3/4	200	461	3/4	200
S-LOC 36	1140	1 1/4	879	1140	1 1/4	879	1140	2 1/2	879	1140	2 1/2	879	1140	2 1/2	879
CIRCLING	1140	1 1/4	876	1140	1 1/4	876	1140	2 1/2	876	1140	2 3/4	876	1140	3	876
JAKVU FIX MINIMUMS															
S-LOC 36	620	1	359	620	1	359	620	1	359	620	1	359	620	1	359
CIRCLING	760	1	496	760	1	496	960	2	696	960	2 1/4	696	960	2 1/2	696
NOTES: CHART NOTE: DME OR RADAR REQUIRED. CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT. CHART NOTE: VDP NA WHEN USING COLUMBUS AFB ALTIMETER SETTING. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE COLUMBUS AFB ALTIMETER SETTING AND (SEE FORM 8260-10)															
CITY AND STATE		ELEVATION: 264 TDZE: 261		FACILITY IDENTIFIER: I-RVT		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:					
COLUMBUS/W POINT/STARKVILLE, MS		AIRPORT NAME:				ILS OR LOC RWY 36, AMDT 1				AMDT: ORIG					
		GOLDEN TRIANGLE RGNL				8 JANUARY 2015				DATED 11/15/2012					



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

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

NOTES, (CONT.):

INCREASE ALL DA 39 FEET AND ALL MDA 40 FEET; INCREASE CIRCLING CATS C/D 1/4 MILE, INCREASE JAKVU
FIX MINIMUMS S-LOC 36 CATS C/D/E VISIBILITY 1/8 MILE AND CIRCLING CATS C/D/E VISIBILITY 1/4 MILE.
CHART PROFILE NOTE: USE I-RVT DME WHEN ON THE LOCALIZER COURSE.

ALTERNATE MINIMUMS, (CONT.):

@ NA WHEN TOWER CLOSED.

CAT A, B 900-2, CAT C 900-2 1/2, CAT D

900-2 3/4, CAT E 900-3

@ CAT A, B 900-2, CAT C 900-2 1/2, CAT D

900-2 3/4, CAT E 900-3

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY
6
CHECKED

CITY AND STATE

COLUMBUS/W POINT/STARKVILLE, MS

ELEVATION: 264

TDZE: 261

AIRPORT NAME:

GOLDEN TRIANGLE RGNL

FACILITY
IDENTIFIER:

I-RVT

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

ILS OR LOC RWY 36, AMDT 1

8 JANUARY 2015

SUP:

AMDT: ORIG

DATED: 11/15/2012

FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.29

ARINC PACKET - 424-18 - ILS

QUALITY
3 15
CHECKED

Page 3 of 8 Pages

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.

ILS 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012

SUSAP KGTRK7IIRVT1 011115RW36 N33274860W0883528460025N33262413W0883534901542 10020420300W00204200243

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

SUSAP KGTRK7SIGB K7D 0 18018003425 M

QUALITY
15
CHECKED

CITY AND STATE
COLUMBUS/W POINT/STARKVILLE, MS

ELEVATION: 264 TDZE: 261
AIRPORT NAME:
GOLDEN TRIANGLE RGNL

FACILITY
IDENTIFIER:

I-RVT

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
ILS OR LOC RWY 36, AMDT 1
8 JANUARY 2015

SUP:
AMDT: ORIG
DATED: 11/15/2012

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION								Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.				
ILS STANDARD INSTRUMENT APPROACH PROCEDURE												
FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.29												
ARINC SUMMARY - 424-18 - ILS												
ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	IGB	IGB	010		IF		FB					
	IGB	DIXVU	020		TF		FO				AA 03000	
	IGB	DIXVU	030	IAF	HF	R	FO		002.5 ()	T01.0	AA 03000	
	UYSEF	UYSEF	010	IAF	IF		FB					
	UYSEF	DIXVU	020		AF	R	FB		077.8 ()		AA 03000	
		DIXVU	010	FACF	IF		FB				AA 03000	GI 02000
		BAWMO	020	FAF	CF		FB		002.0 ()	006.3	GI 02000	GS 02000
		RW36	030	MAP	CF		FO		002.0 ()	005.4	AT 00295	
MISSED APPROACH		FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
			040		CA		FB		002.5 ()		AA 00700	
		HANOP	050		CF	L	FO		265.7 ()	010.0	AA 02400	
		HANOP	060		HM	L	FO		265.7 ()	T01.0	AA 02400	
POINT DATA		WAYPOINT		LAT IN SECS		LONG IN SECS		LAT IN MINS		LONG IN MINS		
		IGB		N332907.75		W0883048.92		N3329.129		W08830.815		
		IRVT (DME)		N332748.68		W0883529.11		N3327.811		W08835.485		
		HANOP		N332901.92		W0884621.56		N3329.032		W08846.359		
		UYSEF		N333115.80		W0881301.36		N3331.263		W08813.023		
		BAWMO		N332052.42		W0883532.55		N3320.874		W08835.543		
		DIXVU		N331436.89		W0883536.21		N3314.615		W08835.604		
		RW36		N332614.18		W0883529.40		N3326.236		W08835.490		
		IRVT (LOC)		N332748.60		W0883528.46		N3327.810		W08835.474		
RUNWAY DATA			THRESHOLD									
	RWY		ELEVATION		TCH							
	RW36	00253		42								



CITY AND STATE COLUMBUS/W POINT/STARKVILLE, MS	ELEVATION: 264	TDZE: 261	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME: GOLDEN TRIANGLE RGNL		I-RVT	ILS OR LOC RWY 36, AMDT 1	AMDT: ORIG
				8 JANUARY 2015	DATED: 11/15/2012

FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.25

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

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

LOC STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.25

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

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

	SUSAP KGTRK7IIRVT1 011115RW36 N33274860W0883528460025N33262413W0883534901542 10020420300W00204200243												

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

	SUSAP KGTRK7SIGB K7D 0 18018003425 M												

QUALITY
15
CHECKED

CITY AND STATE
COLUMBUS/W POINT/STARKVILLE, MS

ELEVATION: 264 TDZE: 261
AIRPORT NAME:
GOLDEN TRIANGLE RGNL

FACILITY
IDENTIFIER:

I-RVT

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
ILS OR LOC RWY 36, AMDT 1
8 JANUARY 2015

SUP:
AMDT: ORIG
DATED: 11/15/2012

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION								Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.				
LOC STANDARD INSTRUMENT APPROACH PROCEDURE												
FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.25												
ARINC SUMMARY - 424-18 - LOC												
ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	IGB	IGB	010		IF		FB					
	IGB	DIXVU	020		TF		FO				AA 03000	
	IGB	DIXVU	030	IAF	HF	R	FO		002.5 ()	T01.0	AA 03000	
	UYSEF	UYSEF	010	IAF	IF		FB					
	UYSEF	DIXVU	020		AF	R	FB		077.8 ()		AA 03000	
		DIXVU	010	FACF	IF		FB				AA 03000	
		BAWMO	020	FAF	CF		FB		002.0 ()	006.3	AA 02000	
		JAKVU	021	SDF	CF		FB		002.0 ()	002.7	AA 01140	
		RW36	030	MAP	CF		FO		002.0 ()	002.7	AT 00295	
MISSED APPROACH		FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
			040		CA		FB		002.5 ()		AA 00700	
		HANOP	050		CF	L	FO		265.7 ()	010.0	AA 02400	
		HANOP	060		HM	L	FO		265.7 ()	T01.0	AA 02400	
POINT DATA		WAYPOINT	LAT IN SECS		LONG IN SECS		LAT IN MINS		LONG IN MINS			
		IGB	N332907.75		W0883048.92		N3329.129		W08830.815			
		IRVT (DME)	N332748.68		W0883529.11		N3327.811		W08835.485			
		HANOP	N332901.92		W0884621.56		N3329.032		W08846.359			
		UYSEF	N333115.80		W0881301.36		N3331.263		W08813.023			
		BAWMO	N332052.42		W0883532.55		N3320.874		W08835.543			
		DIXVU	N331436.89		W0883536.21		N3314.615		W08835.604			
		JAKVU	N332331.88		W0883530.99		N3323.531		W08835.517			
		RW36	N332614.18		W0883529.40		N3326.236		W08835.490			
		IRVT (LOC)	N332748.60		W0883528.46		N3327.810		W08835.474			
RUNWAY DATA		RWY	THRESHOLD ELEVATION		TCH							
		RW36	00253		42							



CITY AND STATE COLUMBUS/W POINT/STARKVILLE, MS	ELEVATION: 264	TDZE: 261	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME: GOLDEN TRIANGLE RGNL		I-RVT	ILS OR LOC RWY 36, AMDT 1 8 JANUARY 2015	AMDT: ORIG
					DATED: 11/15/2012

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

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

NOTES, (CONT.):

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ASHEBORO ALTIMETER SETTING: INCREASE ALL MDA 60 FT, INCREASE LP AND CIRCLING CAT C VISIBILITIES 1/4 MILE, AND INCREASE LNAV CAT C VISIBILITY 1/8 MILE.

CHART PLANVIEW NOTE AT COTEN: MAX 210 KIAS.

TAA

	FROM	TO	ALT
1.	340/30 CW 100/30 (NOPT)	COTEN (IF/IAF) (FB)	3000
2.	100/30 CW 220/30	CEKOP (IAF) (FB)	3700
3.	220/30 CW 340/30	CERYA (IAF) (FB)	3200

QUALITY
6
CHECKED

CITY AND STATE
SILER CITY, NC

ELEVATION: 615 THRE: 599
AIRPORT NAME:
SILER CITY MUNI

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 4, ORIG
8 JANUARY 2015

SUP:
AMDT: NONE
DATED:

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

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FAS DATA BLOCK INFORMATION

DATA FIELD

DATA

OPERATION TYPE 0
SBAS SERVICE PROVIDER IDENTIFIER 0
AIRPORT IDENTIFIER KSCR
RUNWAY RW04
APPROACH PERFORMANCE DESIGNATOR 0
ROUTE INDICATOR
REFERENCE PATH DATA SELECTOR 0
REFERENCE PATH IDENTIFIER (APPROACH ID) W04A
LTP/FTP LATITUDE 354154.2630N
LTP/FTP LONGITUDE 0793031.2125W
LTP/FTP ELLIPSOIDAL HEIGHT +01520
FPAP LATITUDE 354310.5100N
FPAP LONGITUDE 0792934.3800W
THRESHOLD CROSSING HEIGHT (TCH) 00040.0
TCH UNITS SELECTOR (METERS OR FEET USED) F
GLIDEPATH ANGLE (GPA) 03.00
COURSE WIDTH AT THRESHOLD 106.75
LENGTH OFFSET 1224
HORIZONTAL ALERT LIMIT (HAL) 40.0
VERTICAL ALERT LIMIT (VAL) 0.0

CRC REMAINDER

667876D0

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K7
LTP ORTHOMETRIC HEIGHT +01824
FPAP ORTHOMETRIC HEIGHT +01824

QUALITY
6
CHECKED

CITY AND STATE SILER CITY, NC	ELEVATION: 615 THRE: 599 AIRPORT NAME: SILER CITY MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 4, ORIG 8 JANUARY 2015	SUP:
				AMDT: NONE
				DATED:

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

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

CITY AND STATE SILER CITY, NC	ELEVATION: 615 AIRPORT NAME: SILER CITY MUNI	THRE: 599 RNAV	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 4, ORIG 8 JANUARY 2015	SUP:
					AMDT: NONE
					DATED:

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

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ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	CEKOP	CEKOP	010	IAF	IF		FB					
	CEKOP	COTEN	020		TF		FB	1.0	100.2 (091.2T)	005.0	AA 03000	AB 210
	CERYA	CERYA	010	IAF	IF		FB					
	CERYA	COTEN	020		TF		FB	1.0	340.3 (331.3T)	005.0	AA 03000	AB 210
	COTEN	COTEN	010	IAF	HF	R	FO		040.2 (031.2T)	004.0	AA 03000	AB 210
		COTEN	010	FACF	IF		FB				AA 03000	AB 210
		COVKU	020	FAF	TF		FB	0.5	040.2 (031.2T)	006.0	AA 02300	
		CAYAV	021	SDF	TF		FB	0.3	040.3 (031.3T)	002.6	AA 01460 GS 01466	
		RW04	030	MAP	TF		FO	0.3	040.3 (031.3T)	002.6	AT 00639	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		040.3 (031.3T)		AA 01000	
	OPUXY	050		DF		FO				AA 03000	
	OPUXY	060		HM	R	FO		220.4 (211.4T)	004.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CAYAV	N353940.74	W0793210.64	N3539.679	W07932.177
	CEKOP	N353224.13	W0794347.15	N3532.402	W07943.786
	CERYA	N352754.51	W0793442.81	N3527.909	W07934.714
	COTEN	N353217.89	W0793739.63	N3532.298	W07937.661
	COVKU	N353726.30	W0793350.64	N3537.438	W07933.844
	OPUXY	N355131.90	W0792319.88	N3551.532	W07923.331
	RW04	N354154.26	W0793031.21	N3541.904	W07930.520

RUNWAY DATA	THRESHOLD	ELEVATION	TCH
RWY			
RW04	00599		40

CITY AND STATE
SILER CITY, NC

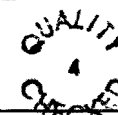
ELEVATION: 615
AIRPORT NAME: SILER CITY MUNI
THRE: 599

FACILITY IDENTIFIER:
RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
RNAV (GPS) RWY 4, ORIG
8 JANUARY 2015

SUP:
AMDT: NONE
DATED:

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.											
US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION		TERMINAL ROUTES				MISSED APPROACH									
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LPV: DA LNAV/VNAV: DA LNAV: RW22 CLIMB TO 3000 DIRECT COTEN AND HOLD. ADDITIONAL FLIGHT DATA: HOLD SW, RT, 040.22 INBOUND. FAS OBST: 909 AAO 354535N/0792816W DISTANCE TO THLD FROM 339 HATH: 0.80 NM. WAAS CHANNEL # 40335 REFERENCE PATH ID: W22A CHART CIRLING ICON. LTP HAE: 157.1 M											
OCEKO (IAF)	OPUXY (NOPT) (FB)	280.41 / 5.00	3000												
NOCYI (IAF)	OPUXY (NOPT) (FB)	160.32 / 5.00	3000												
OPUXY (IF/IAF)	IPSIQ (FB)	220.35 / 6.00	2300												
IPSIQ (FAF)	RW22 (MAP) (FO)	220.32 / 4.43													
RW22 (MAP)	954 MSL	220.32													
954 MSL	COTEN (FO)		3000												
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF)				MAG VAR: 9W EPOCH YEAR: 2015											
2. HOLD NE OPUXY, RT, 220.35 INBOUND, 3000 FT. IN LIEU OF PT (IAF)															
3. FAC: 220.32 FAF: IPSIQ DIST FAF TO MAP: 4.43 THLD: 4.43															
4. MIN. ALT: OPUXY 3000, IPSIQ 2300															
5. DIST TO THLD FROM OM: <u> </u> MM: <u> </u> IM: <u> </u> 150 HAT: <u> </u> 100 HAT: <u> </u> GS ANT: <u> </u>															
6. MIN GS INCPT: 2300 GS ALT AT: IPSIQ 2300 OM: <u> </u> MM: <u> </u> IM: <u> </u>															
7. GS ANGLE: 3.50 TCH: 40.0 34:1 IS NOT CLEAR															
8. MSA FROM: <u> </u>															
MINIMUMS															
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT						ALTERNATE: N A		STANDARD @							
CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	954	1	339	954	1	339	954	1	339		NA				
LNAV/VNAV DA	1140	1 5/8	525	1140	1 5/8	525	1140	1 5/8	525		NA				
LNAV MDA	1160	1	545	1160	1	545	1160	1 5/8	545		NA				
CIRCLING	1240	1	625	1240	1	625	1240	1 3/4	625		NA				
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C (4F) OR ABOVE 54C (130F). @ NA WHEN LOCAL WEATHER NOT AVAILABLE. CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: PROCEDURE NA AT NIGHT. CHART PROFILE NOTE: VGSi AND RNAV GLIDEPATH NOT COINCIDENT. (SEE FORM 8260-10)															
CITY AND STATE		ELEVATION: 615 THRE: 615		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:					
SILER CITY, NC		AIRPORT NAME:		RNAV		RNAV (GPS) RWY 22, AMDT 1				AMDT: ORIG-A					
		SILER CITY MUNI				8 JANUARY 2015				DATED 03/15/2007					



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

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NOTES, (CONT.):

CHART NOTE: BARO-VNAV NA WHEN USING ASHEBORO ALTIMETER SETTING.

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

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ASHEBORO ALTIMETER SETTING: INCREASE ALL DA 53 FT AND ALL MDA 60 FT; INCREASE LPV ALL CATS, LNAV/VNAV ALL CATS, AND LNAV CAT C VISIBILITIES 1/8 MILE; INCREASE CIRCLING CAT C VISIBILITY 1/4 MILE.

CHART PLANVIEW NOTE AT OPUXY: MAX 210 KIAS.

TAA

	FROM	TO	ALT
1.	160/30 CW 280/30 (NOPT)	160/8 CW 280/8	3100
2.	160/8 CW 280/8	OPUXY (IF/IAF) (FB)	3000
3.	280/30 CW 040/30	OCEKO (IAF) (FB)	3200
4.	040/30 CW 160/30	NOCYI (IAF) (FB)	3700

QUALITY
6
CHECKED

CITY AND STATE

SILER CITY, NC

ELEVATION: 615

THRE: 615

AIRPORT NAME:

SILER CITY MUNI

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 22, AMDT 1

8 JANUARY 2015

SUP:

AMDT: ORIG-A

DATED: 03/15/2007

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

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QUALITY
6
CHECKED

CITY AND STATE
SILER CITY, NC

ELEVATION: 615 THRE: 615
AIRPORT NAME:
SILER CITY MUNI

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 22, AMDT 1
8 JANUARY 2015

SUP:
AMDT: ORIG-A
DATED: 03/15/2007

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

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CITY AND STATE SILER CITY, NC	ELEVATION: 615 THRE: 615 AIRPORT NAME: SILER CITY MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 22, AMDT 1 8 JANUARY 2015	SUP:
				AMDT: ORIG-A
				DATED: 03/15/2007

**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**DATA FIELD****DATA**

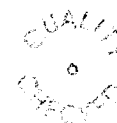
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KSCR
RUNWAY	RW22
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W22A
LTP/FTP LATITUDE	354236.5130N
LTP/FTP LONGITUDE	0792959.7300W
LTP/FTP ELLIPSOIDAL HEIGHT	+01571
FPAP LATITUDE	354120.2500N
FPAP LONGITUDE	0793056.5400W
THRESHOLD CROSSING HEIGHT (TCH)	00040.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.50
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1224
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER

7DA99449

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+01875
FPAP ORTHOMETRIC HEIGHT	+01875



CITY AND STATE SILER CITY, NC	ELEVATION: 615 THRE: 615 AIRPORT NAME: SILER CITY MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 22, AMDT 1 8 JANUARY 2015	SUP:
				AMDT: ORIG-A
				DATED: 03/15/2007

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

[illegible]

CITY AND STATE SILER CITY, NC	ELEVATION: 615 THRE: 615	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME: SILER CITY MUNI	RNAV	RNAV (GPS) RWY 22, AMDT 1	AMDT: ORIG-A
			8 JANUARY 2015	DATED: 03/15/2007

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

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ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	NOCYI	NOCYI	010	IAF	IF		FB					
	NOCYI	OPUXY	020		TF		FB	1.0	160.3 (151.3T)	005.0	AA 03000	AB 210
	OCEKO	OCEKO	010	IAF	IF		FB					
	OCEKO	OPUXY	020		TF		FB	1.0	280.4 (271.4T)	005.0	AA 03000	AB 210
	OPUXY	OPUXY	010	IAF	HF	R	FO		220.4 (211.4T)	004.0	AA 03000	AB 210
		OPUXY	010	FACF	IF		FB				AA 03000	AB 210
		IPSIQ	020	FAF	TF		FB	0.5	220.4 (211.4T)	006.0	AA 02300	
		RW22	030	MAP	TF		FO	0.3	220.3 (211.3T)	004.4	AT 00655	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		220.3 (211.3T)		AA 00954	
	COTEN	050		DF		FO				AA 03000	
	COTEN	060		HM	R	FO		040.2 (031.2T)	004.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	COTEN	N353217.89	W0793739.63	N3532.298	W07937.661
	IPSIQ	N354623.74	W0792710.24	N3546.396	W07927.171
	NOCYI	N355555.52	W0792617.00	N3555.925	W07926.283
	OCEKO	N355124.66	W0791710.92	N3551.411	W07917.182
	OPUXY	N355131.90	W0792319.88	N3551.532	W07923.331
	RW22	N354236.51	W0792959.73	N3542.609	W07929.996

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW22	00615	40

QUALITY
CHECKED

CITY AND STATE SILER CITY, NC	ELEVATION: 615	THRE: 615	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME: SILER CITY MUNI		RNAV	RNAV (GPS) RWY 22, AMDT 1	AMDT: ORIG-A
				8 JANUARY 2015	DATED: 03/15/2007

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

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

City, State	Airport	Effective Date	Amdt. No.
SILER CITY, NC	SILER CITY MUNI	8 JANUARY 2015	2

TAKEOFF MINIMUMS:

RWY 22, STANDARD

RWY 4, 300-1 ¾ OR STANDARD WITH MINIMUM CLIMB OF 236 FT PER NM TO 1000 OR ALTERNATIVELY, WITH STANDARD TAKEOFF MINIMUMS AND A NORMAL 200 FT PER NM CLIMB GRADIENT, TAKEOFF MUST OCCUR NO LATER THAN 2000 FT PRIOR TO DER

TEXTUAL DEPARTURE PROCEDURES:

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 4, TREES BEGINNING 25 FT FROM DER, 25 FT RIGHT OF CENTERLINE, UP TO 96 FT AGL/855 FT MSL. POLES BEGINNING 158 FT FROM DER, 364 FT LEFT OF CENTERLINE, UP TO 34 FT AGL/643 FT MSL. TREES BEGINNING 275 FT FROM DER, 3 FT LEFT OF CENTERLINE, UP TO 96 FT AGL/825 FT MSL.

NOTE: RWY 22, TREES BEGINNING 8 FT FROM DER, 3 FT LEFT OF CENTERLINE, UP TO 77 FT AGL/736 FT MSL. VEHICLES ON ROAD BEGINNING 86 FT FROM DER, 330 FT RIGHT OF CENTERLINE, UP TO 15 FT AGL/612 FT MSL. TREES BEGINNING 154 FT FROM DER, 5 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/749 FT MSL. BLDG 374 FT FROM DER, 466 FT RIGHT OF CENTERLINE, 20 FT AGL/619 FT MSL. POLE 490 FT FROM DER, 357 FT RIGHT OF CENTERLINE, 26 FT AGL/625 FT MSL. POLE 580 FT FROM DER, 481 FT RIGHT OF CENTERLINE, 18 FT AGL/617 FT MSL. BLDG 591 FT FROM DER, 427 FT RIGHT OF CENTERLINE, 16 FT AGL/615 FT MSL. POLE 769 FT FROM DER, 314 FT RIGHT OF CENTERLINE, 19 FT AGL/618 FT MSL. POLE 1188 FT FROM DER, 253 FT RIGHT OF CENTERLINE, 23 FT AGL/632 FT MSL.

CONTROLLING OBSTACLES:

RWY 4: 812 FT TREE 354326.83N-0792906.15W, 843 FT TREE 354352.09N-0792901.19W, 855 FT TREE 354349.43N-0792901.29W.



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.
SILER CITY, NC	SILER CITY MUNI	8 JANUARY 2015	2

REMARKS:

MAGVAR UPDATED PER FPT DIRECTION – EPOCH YEAR 2015 VALUE IS 9W.
100 FT USED FOR WORST-CASE VEGETATION HEIGHT WITHIN VICINITY OF AIRPORT.

FLIGHT INSPECTED BY:

William Tyre

5/6/14

REQUIRED EFFECTIVE DATE:

ROUTINE

DEVELOPED BY:

PETE GETZ
(MICHAEL R. GARRITY JR.)

AJV-352

09/09/2013

APPROVED BY:

SUE CRUMB

AJV-352

NOV 05 2014

COORDINATED WITH:

ALPA, AOPA, NBAA, ZDC, GSO APP CON, AFLD MGR

CHANGES:

1. CHANGED RWY 4 TAKEOFF MINIMUMS FROM "300-2 OR STANDARD WITH MINIMUM CLIMB GRADIENT OF 340' PER NM TO 1000" TO READ "300-1 ¾ OR STANDARD WITH MINIMUM CLIMB OF 236 FT PER NM TO 1000 OR ALTERNATIVELY, WITH STANDARD TAKEOFF MINIMUMS AND A NORMAL 200 FT PER NM CLIMB GRADIENT, TAKEOFF MUST OCCUR NO LATER THAN 2000 FT PRIOR TO DER".
2. CHANGED RWY 22 TAKEOFF MINIMUMS FROM "300-1 ¼ OR STANDARD WITH MINIMUM CLIMB OF 300' PER NM TO 900" TO READ "STANDARD".
3. UPDATED TAKEOFF OBSTACLE NOTES.
4. CHANGED RWY 4 CONTROLLING OBSTACLES FROM 789, 849, AND 869 TREES TO READ 812, 843, AND 855 TREES.
5. REMOVED RWY 22 CONTROLLING OBSTACLES.

REASONS:

1. NEW SURVEY IN IAPA OBSTACLE DATABASE / 8260.46D, PAGE 2-3, TABLE 1, PARAS 3)A)2)a) and 3)A)2)b).
2. NEW SURVEY IN IAPA OBSTACLE DATABASE / 8260.46D, PAGE 2-3, TABLE 1, PARA 2).
- 3-5. NEW SURVEY IN IAPA OBSTACLE DATABASE.

QUALITY
6
CHECKED

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION VOR STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.23								Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.									
TERMINAL ROUTES										MISSED APPROACH							
FROM		TO		COURSE AND DISTANCE				ALTITUDE		MAP: 8.19 MILES AFTER LIB VORTAC OR AT MAKPL/8.19 DME FIX CLIMBING RIGHT TURN TO 2500 ON LIB VORTAC R-144 TO LIB VORTAC AND HOLD.							
GSO VORTAC		LIB VORTAC		131.24 / 22.60				3700		ADDITIONAL FLIGHT DATA: HOLD NW, LT, 144.00 INBOUND. CHART FAS OBST: 913 TOWER 354412N/0793053W 1029 AAO 354840.99N/0793644.47W. FAC CROSSES MID POINT OF RWY 04-22. CHART CIRCLING ICON.							
MERIL INT		LIB VORTAC		326.64 / 14.75				2500									
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. HOLD NW LIB VORTAC, LT, 144.00 INBOUND, 2500 FT. IN LIEU OF PT (IAF) 3. FAC <u>143.94</u> FAF LIB VORTAC <u> </u> DIST FAF TO MAP <u>8.19</u> THLD <u> </u> 4. MIN. ALT <u>LIB VORTAC 2500, VAYRU/6.29 DME 1380 (*1440 WHEN USING ASHEBORO ALTIMETER SETTING)</u> 8. MSA FROM: LIB VORTAC 360-180 3100, 180-360 3700														MAG VAR: 3W		EPOCH YEAR: 1965	
MINIMUMS																	
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT										ALTERNATE: N A		STANDARD @					
CATEGORY =====>		A			B			C			D			E			
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA		
CIRCLING	1380	1	765	1380	1	765	1380	2 1/4	765		NA						
VAYRU FIX MINIMUMS																	
CIRCLING	1240	1	625	1240	1	625	1240	1 3/4	625		NA						
NOTES: CHART NOTE: PROCEDURE NA AT NIGHT. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ASHEBORO ALTIMETER SETTING: INCREASE ALL MDA 60 FT, INCREASE CIRCLING VISIBILITY ALL CATS 1/4 MILE, AND INCREASE VAYRU FIX MINIMUMS CIRCLING CAT C VISIBILITY 1/4 MILE.																	
CITY AND STATE				ELEVATION: 615		TDZE:		FACILITY IDENTIFIER:		PROCEDURE NO./AMD'T NO./EFFECTIVE DATE:				SUP VOR OR GPS-A			
SILER CITY, NC				AIRPORT NAME:				LIB		VOR-A, AMDT 3				AMD'T 2			
				SILER CITY MUNI						8 JANUARY 2015				DATE 08/10/2000			

**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.

CITY AND STATE SILER CITY, NC	ELEVATION: 615	TDZE:	FACILITY IDENTIFIER: LIB	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: VOR-A, AMDT 3 8 JANUARY 2015	SUP: VOR OR GPS-A
	AIRPORT NAME:				AMDT: 2
	SILER CITY MUNI				DATED: 08/10/2000

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.
NEW YORK, NY	WEST 30 TH ST	8 JANUARY 2015	ORIG

TAKEOFF MINIMUMS:

TEXTUAL DEPARTURE PROCEDURES:

USE JEDIL DEPARTURE, OR HORBA DEPARTURE.

TAKEOFF OBSTACLE NOTES:

CONTROLLING OBSTACLES:



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

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

City, State	Airport	Effective Date	Amdt. No.
NEW YORK, NY	WEST 30 TH ST	8 JANUARY 2015	ORIG

REMARKS:

HORBA DEPARTURE IS A SPECIAL PROCEDURE.

FLIGHT INSPECTED BY:

James Crawford

[Signature] 9/7/14

REQUIRED EFFECTIVE DATE:

ROUTINE

DEVELOPED BY:

MARK BURTZ

[Signature] AJV-353

03/30/2013

APPROVED BY:

SUSAN CRUMB

[Signature] AJV-352

COORDINATED WITH:

ZNY, LGA ATC.

NOV 05 2014

CHANGES:

ORIGINAL PROCEDURE

REASONS:

FPT REQUEST



ILS - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.29				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.											
US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION															
TERMINAL ROUTES				MISSED APPROACH											
FROM VWV VOR/DME HARBS INT/TOL 10.88 DME (IF/IAF)	TO HARBS INT/TOL 10.88 DME HYMLI OM/INT/TOL 5.11 DME	COURSE AND DISTANCE 014.75 / 12.93 252.18 / 5.77 (I-BQE)	ALTITUDE 3100 2400	ILS: DA LOC: 4.45 MILES AFTER HYMLI OM/INT/TOL 5.11 DME OR AT (CFBLB) CLIMB TO 2500 THEN CLIMBING LEFT TURN DIRECT VWV VOR/DME AND HOLD, OR AS DIRECTED BY ATC. ALTERNATE MA: CLIMB TO 2500 DIRECT TOPHR LOM AND HOLD (ADF REQUIRED). ADDITIONAL FLIGHT DATA: HOLD SE, RT, 320.00 INBOUND. CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD W TOPHR LOM, LT, 072.00 INBOUND. CHART FAS OBST: 764 TREE 413612N/0834629W CHART IN PLANVIEW: TOPHR LOM. CHART VWV 12.9 DME AT HARBS. *LOC ONLY. \$ DME FROM TOL TACAN. CHART CIRCLING ICON. CHART:ASR.											
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. HOLD E HARBS, LT, 252.18 INBOUND, 3100 FT. IN LIEU OF PT (IAF) 3. FAC: <u>252.18</u> FAF: HYMLI OM/INT/TOL 5.11 DME DIST FAF TO MAP: <u>4.45</u> THLD: <u>4.95</u> 4. MIN. ALT: HARBS 3100, HYMLI OM 2400, MIKIE INT/TOL 1.85 DME 1240* 5. DIST TO THLD FROM OM: <u>4.95</u> MM: <u>-</u> IM: <u>-</u> 150 HAT: <u>-</u> 100 HAT: <u>-</u> GS ANT: <u>901</u> 6. MIN GS INCPT: <u>2400</u> GS ALT AT: <u>-</u> OM: <u>2315</u> MM: <u>-</u> IM: <u>-</u> 7. GS ANGLE: <u>3.00</u> TCH: <u>51.7</u> 8. MSA FROM: VWV VOR/DME 3100				MAG VAR: 5W EPOCH YEAR: 1990											
MINIMUMS															
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE: N A		ILS: STANDARD #		LOC: STANDARD @							
CATEGORY =====>	A		B		C		D		E						
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
S-ILS 25**	878	2400	200	878	2400	200	878	2400	200	878	2400	200	878	2400	200
S-LOC 25	1240	2400	562	1240	2400	562	1240	1 1/4	562	1240	1 1/4	562	1240	1 1/4	562
CIRCLING	1240	1	557	1240	1	557	1360	2	677	1400	2 1/4	717	1400	2 1/2	717
MIKIE FIX MINIMUMS (DUAL VOR RECEIVERS OR DME REQUIRED\$)															
S-LOC 25	1020	2400	342	1020	2400	342	1020	3000	342	1020	3000	342	1020	3000	342
CIRCLING	1180	1	497	1180	1	497	1360	2	677	1400	2 1/4	717	1400	2 1/2	717
NOTES: CHART NOTE: **RVR 1800 AUTHORIZED WITH USE OF FD OR AP OR HUD TO DA. *1280 WHEN USING LAMBERTVILLE/TOLEDO SUBURBAN ALTIMETER SETTING. CHART PROFILE NOTE: ILS UNUSABLE 0.50 NM INBOUND.															
(SEE FORM 8260-10)															
CITY AND STATE TOLEDO, OH		ELEVATION: 683 TDZE: 678 AIRPORT NAME: TOLEDO EXPRESS		FACILITY IDENTIFIER: I-BQE		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 25, AMDT 8 8 JANUARY 2015				SUP: AMDT: 7B DATED 05/31/2012					



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

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

NOTES, (CONT.):

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE LAMBERTVILLE/TOLEDO SUBURBAN ALTIMETER

SETTING: INCREASE ALL DA 28 FT, INCREASE ALL MDA 40 FT, AND S-LOC 25 CAT C-E VISIBILITY 1/8 MILE, CIRCLING CAT D AND E VISIBILITY 1/4 MILE AND MIKIE FIX MINIMUMS S-LOC 25 CAT C-E VISIBILITY 1/8 MILE, CIRCLING CAT D AND E VISIBILITY 1/4 MILE.

CHART NOTE: FOR INOPERATIVE MALSR, INCREASE S-ILS 25 CAT E VISIBILITY TO RVR 4000, AND S-LOC 25 CATS C-E TO 1 5/8 MILE. INCREASE MIKIE FIX MINIMUMS S-LOC 25 CAT E VISIBILITY TO RVR 5500.

CHART NOTE: FOR INOPERATIVE MALSR WHEN USING LAMBERTVILLE/TOLEDO SUBURBAN ALTIMETER SETTING: INCREASE S-LOC 25 CAT E VISIBILITY TO 1 3/4 MILE. INCREASE MIKIE FIX MINIMUMS S-LOC 25 CAT E VISIBILITY TO RVR 6000.

QUALITY
9
CHECKED

CITY AND STATE

TOLEDO, OH

ELEVATION: 683

TDZE: 678

AIRPORT NAME:

TOLEDO EXPRESS

FACILITY
IDENTIFIER:
I-BQE

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

ILS OR LOC RWY 25, AMDT 8

8 JANUARY 2015

SUP:

AMDT: 7B

DATED: 05/31/2012

FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.29

ARINC PACKET - 424-18 - ILS

[illegible]

QUALITY
15
CHECKED

CITY AND STATE TOLEDO, OH	ELEVATION: 683	TDZE: 678	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: ILS OR LOC RWY 25, AMDT 8 8 JANUARY 2015	SUP:
	AIRPORT NAME: TOLEDO EXPRESS	FACILITY IDENTIFIER: I-BQE		AMDT: 7B
				DATED: 05/31/2012

FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.29

[illegible]

QUALITY
15
CHECKED

CITY AND STATE TOLEDO, OH	ELEVATION: 683	TDZE: 678	FACILITY IDENTIFIER: I-BQE	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME: TOLEDO EXPRESS	ILS OR LOC RWY 25, AMDT 8		AMDT: 7B	
	8 JANUARY 2015			DATED: 05/31/2012	

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.29

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ARINC SUMMARY - 424-18 - ILS

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	VWV	VWV	010		IF		FB					
	VWV	HARBS	020		TF		FO				AA 03100	
	VWV	HARBS	030	IAF	HF	L	FO		252.2 ()	T01.0	AA 03100	
		HARBS	010	FACF	IF		FB				AA 03100	GI 02400
		HYMLI	020	FAF	CF		FB		252.0 ()	005.8	GI 02400	GS 02315
		RW25	030	MAP	CF		FO		252.0 ()	005.0	AT 00717	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		252.2 ()		AA 02500	
	VWV	050		DF	L	FO				AA 02500	
	VWV	060		HM	R	FO		320.0 ()	T01.0	AA 02500	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	TOL (DME)	N413537.34	W0834757.71	N4135.622	W08347.962
	VWV	N412705.35	W0833819.30	N4127.089	W08338.322
	HARBS	N413942.08	W0833431.02	N4139.701	W08334.517
	HYMLI	N413728.47	W0834137.07	N4137.475	W08341.618
	RW25	N413533.62	W0834741.97	N4135.560	W08347.700
	IBQE (LOC)	N413449.12	W0835002.77	N4134.819	W08350.046

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW25	00665	52

QUALITY
15
CHECKED

CITY AND STATE
TOLEDO, OHELEVATION: 683 TDZE: 678
AIRPORT NAME:
TOLEDO EXPRESSFACILITY
IDENTIFIER:
I-BQEPROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
ILS OR LOC RWY 25, AMDT 8
8 JANUARY 2015SUP:
AMDT: 7B
DATED: 05/31/2012

FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.25

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

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

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KTOLK5FL25	AVVW	010VWV	K5D 0V	IF					18000		0	NS
SUSAP	KTOLK5FL25	AVVW	020HARBSK5EA0EY	TF				+ 03100				0	NS
SUSAP	KTOLK5FL25	AVVW	030HARBSK5EA0EE	AL HF	TOL K5	072901092522T010D		+ 03100				0	NS
SUSAP	KTOLK5FL25	L	010HARBSK5EA0E	I	IF IBQEK5	07220126	PI	+ 03100		18000		0	NS
SUSAP	KTOLK5FL25	L	020HYMLIK5PC0E	F	CF IBQEK5	0722006925200058PI		+ 02400			VWV	K5D	0
SUSAP	KTOLK5FL25	L	021MIKIEK5PC0E	S	CF IBQEK5	0722003625200033PI		+ 01240			-321		0
SUSAP	KTOLK5FL25	L	030CFBLBK5PC0EY	M	CF IBQEK5	0722002425200012PI		00887			-321		0
SUSAP	KTOLK5FL25	L	040	0 M	CA	2522		+ 02500					0
SUSAP	KTOLK5FL25	L	050VWV	K5D 0VY	L DF			+ 02500					0
SUSAP	KTOLK5FL25	L	060VWV	K5D 0VE	R HM	3200T010		+ 02500					0

[illegible][illegible]

CITY AND STATE TOLEDO, OH	ELEVATION: 683	TDZE: 678	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: ILS OR LOC RWY 25, AMDT 8 8 JANUARY 2015	SUP:
	AIRPORT NAME: TOLEDO EXPRESS	FACILITY IDENTIFIER: I-BQE		AMDT: 7B
				DATED: 05/31/2012

Page 6 of 8 Pages

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.

[illegible]

QUALITY
15
CHECKED

SUP:	
AMDT:	7B
DATED:	05/31/2012

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION								Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.				
LOC STANDARD INSTRUMENT APPROACH PROCEDURE												
FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.25												
ARINC SUMMARY - 424-18 - LOC												
ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	VWV	VWV	010		IF		FB					
	VWV	HARBS	020		TF		FO				AA 03100	
	VWV	HARBS	030	IAF	HF	L	FO		252.2 ()	T01.0	AA 03100	
		HARBS	010	FACF	IF		FB				AA 03100	
		HYMLI	020	FAF	CF		FB		252.0 ()	005.8	AA 02400	
		MIKIE	021	SDF	CF		FB		252.0 ()	003.3	AA 01240	
		CFBLB	030	MAP	CF		FO		252.0 ()	001.2	AT 00887	
MISSED APPROACH		FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
			040		CA		FB		252.2 ()		AA 02500	
		VWV	050		DF	L	FO				AA 02500	
		VWV	060		HM	R	FO		320.0 ()	T01.0	AA 02500	
POINT DATA		WAYPOINT		LAT IN SECS		LONG IN SECS		LAT IN MINS		LONG IN MINS		
		TOL (DME)		N413537.34		W0834757.71		N4135.622		W08347.962		
		VWV		N412705.35		W0833819.30		N4127.089		W08338.322		
		HARBS		N413942.08		W0833431.02		N4139.701		W08334.517		
		CFBLB		N413545.27		W0834705.12		N4135.755		W08347.085		
		HYMLI		N413728.47		W0834137.07		N4137.475		W08341.618		
		MIKIE		N413612.77		W0834537.65		N4136.213		W08345.628		
		RW25		N413533.62		W0834741.97		N4135.560		W08347.700		
		IBQE (LOC)		N413449.12		W0835002.77		N4134.819		W08350.046		
RUNWAY DATA				THRESHOLD								
		RWY		ELEVATION		TCH						
		RW25	00665			52						



CITY AND STATE TOLEDO, OH	ELEVATION: 683	TDZE: 678	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME: TOLEDO EXPRESS		I-BQE	ILS OR LOC RWY 25, AMDT 8	AMDT: 7B
				8 JANUARY 2015	DATED: 05/31/2012

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.															
US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION																			
TERMINAL ROUTES										MISSED APPROACH									
FROM		TO		COURSE AND DISTANCE				ALTITUDE		LPV: DA LNAV/VNAV: DA LNAV: RW07 CLIMB TO 3000 DIRECT GUTQO AND HOLD. ADDITIONAL FLIGHT DATA: HOLD E, RT, 252.92 INBOUND. CHART FAS OBST: 1033 TREE 343934N/0825552W CHART CIRCLING ICON. DISTANCE TO THLD FROM 253 HAT: 0.63 NM. WAAS CHANNEL # 97605 REFERENCE PATH ID: W07A LTP HAE: 239.8 M									
TUZKO (IAF)		ZEYLM (NOPT) (FB)		142.64 / 8.67				3500											
POYTU (IAF)		ZEYLM (NOPT) (FB)		002.64 / 8.67				3500											
ZEYLM (IF/IAF)		AMIPY (FB)		072.64 / 7.10				2600											
AMIPY (FAF)		AXEDE/2.30 NM TO RW07 (FB)		072.71 / 2.91															
AXEDE/2.30 NM TO RW07		RW07 (MAP) (FO)		072.71 / 2.30															
RW07 (MAP)		1144 MSL		072.71				3000											
1144 MSL		GUTQO (FO)																	
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD W ZEYLM, RT, 072.64 INBOUND, 3500 FT. IN LIEU OF PT (IAF) 3. FAC: 072.71 FAF: AMIPY DIST FAF TO MAP: 5.21 THLD: 5.21 4. MIN. ALT: ZEYLM 3500, AMIPY 2600, AXEDE/2.30 NM TO RW07 1660* 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 2600 GS ALT AT: AMIPY 2600 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 53.0 34:1 IS NOT CLEAR 8. MSA FROM: _____																MAG VAR: 5W		EPOCH YEAR: 2000	
MINIMUMS																			
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT								ALTERNATE: N A		STANDARD @									
CATEGORY =====>		A		B		C		D		E									
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA				
LPV DA	1146	3/4	255	1146	3/4	255	1146	1	255		NA								
LNAV/VNAV DA	1144	3/4	253	1144	3/4	253	1144	1	253		NA								
LNAV MDA	1300	1	409	1300	1	409	1300	1 1/8	409		NA								
CIRCLING	1300	1	409	1360	1	469	1640	2 1/4	749		NA								
NOTES: CHART NOTE: BARO-VNAV NA WHEN USING ANDERSON ALTIMETER SETTING. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -6C (22F) OR ABOVE 54C (130F). CHART NOTE: DME/DME RNP-0.3 NA. CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT. (SEE FORM 8260-10)																			
CITY AND STATE CLEMSON, SC		ELEVATION: 891 TDZE: 891 AIRPORT NAME: OCONEE COUNTY RGNL		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 7, AMDT 3 8 JANUARY 2015				SUP:									
										AMDT: 2									
										DATED 11/17/2011									

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.

NOTES, (CONT.):

*LNAV ONLY

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ANDERSON ALTIMETER SETTING AND INCREASE ALL DA 47 FEET AND ALL MDA 60 FEET; INCREASE LPV AND LNAV/VNAV CATS A AND B, AND LNAV CAT C VISIBILITY 1/4 MILE.

CHART NOTE: STRAIGHT-IN/CIRCLING TO RWY 7 NA AT NIGHT FOR CAT C AIRCRAFT.

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

TAA

	FROM	TO	ALT
1.	003/30 CW 073/30 (NOPT)	ZEYLM (IF/IAF) (FB)	3500
	073/8 CW 143/8	ZEYLM (IF/IAF) (FB)	3500
2.	073/30 CW 143/30 (NOPT)	073/8 CW 143/8	7300
3.	143/30 CW 253/30	143/10 CW 253/10	7700
4.	143/10 CW 253/10	TUZKO (IAF) (FB)	4700
5.	253/30 CW 003/30	POYTU (IAF) (FB)	3500

QUALITY
6
CHECKED

CITY AND STATE
CLEMSON, SC

ELEVATION: 891 TDZE: 891
AIRPORT NAME:
OCONEE COUNTY RGNL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 7, AMDT 3
8 JANUARY 2015

SUP:
AMDT: 2
DATED: 11/17/2011

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

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

OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KCEU
RUNWAY	RW07
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W07A
LTP/FTP LATITUDE	344010.6605N
LTP/FTP LONGITUDE	0825336.9335W
LTP/FTP ELLIPSOIDAL HEIGHT	+02398
FPAP LATITUDE	344044.4145N
FPAP LONGITUDE	0825156.9280W
THRESHOLD CROSSING HEIGHT (TCH)	00053.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1232
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER

E0D55693

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+02707
FPAP ORTHOMETRIC HEIGHT	+02707

QUALITY
6
CHECKED

CITY AND STATE

CLEMSON, SC

ELEVATION: 891

TDZE: 891

AIRPORT NAME:

OCONEE COUNTY RGNL

 FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 7, AMDT 3

8 JANUARY 2015

SUP:

AMDT: 2

DATED: 11/17/2011

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

QUALITY
6
CHECKED

Page 4 of 5 Pages

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

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

ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	POYTU	POYTU	010	IAF	IF		FB					
	POYTU	ZEYLM	020		TF		FB	1.0	002.6 (357.6T)	008.7	AA 03500	
	TUZKO	TUZKO	010	IAF	IF		FB					
	TUZKO	ZEYLM	020		TF		FB	1.0	142.6 (137.6T)	008.7	AA 03500	
	TUZKO	ZEYLM	010	IAF	HF	R	FO		072.6 (067.6T)	004.0	AA 03500	
		ZEYLM	010	FACF	IF		FB				AA 03500	
		AMIPY	020	FAF	TF		FB	0.5	072.6 (067.6T)	007.1	AA 02600	
		AXEDE	021	SDF	TF		FB	0.3	072.7 (067.7T)	002.9	AA 01660	GS 01674
		RW07	030	MAP	TF		FO	0.3	072.7 (067.7T)	002.3	AT 00941	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		072.7 (067.7T)		AA 01144	
	GUTQO	050		DF		FO				AA 03000	
	GUTQO	060		HM	R	FO		252.9 (247.9T)	004.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	AMIPY	N343812.08	W0825927.56	N3438.201	W08259.459
	AXEDE	N343918.33	W0825611.78	N3439.306	W08256.196
	GUTQO	N344508.36	W0823851.71	N3445.139	W08238.862
	POYTU	N342649.34	W0830659.17	N3426.822	W08306.986
	TUZKO	N344155.24	W0831429.60	N3441.921	W08314.493
	ZEYLM	N343529.98	W0830725.07	N3435.500	W08307.418
	RW07	N344010.66	W0825336.93	N3440.178	W08253.616

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW07	00888	53

QUALITY
6
CHECKED

CITY AND STATE CLEMSON, SC	ELEVATION: 891	TDZE: 891	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 7, AMDT 3 8 JANUARY 2015	SUP:
	AIRPORT NAME: OCONEE COUNTY RGNL				AMDT: 2
					DATED: 11/17/2011

N 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 CLIMB TO 9000 DIRECT BONNEVILLE VORTAC AND HOLD, CONTINUE CLIMB-IN-HOLD TO 9000. ADDITIONAL FLIGHT DATA: HOLD NE, RT, 247.16 INBOUND. CHART FAS OBST: 4319 POLE 404340N/1140217W CHART R6404A, R6404B, R6404C, R6404D, R6405. CHART R6406A, LUCIN MOA A, LUCIN MOA C. DISTANCE TO THLD FROM 330 HAT: 0.45 NM. WAAS CHANNEL # 42523 REFERENCE PATH ID: W08A LTP HAE: 1270.9 M						
SPATS (IAF)		HUTLO (FB)		085.79 / 11.51			10100								
HUTLO (IF)		DENRE (FB)		077.76 / 3.92			9900								
DENRE		YITUL (FB)		077.81 / 2.05			9400								
YITUL (FAF)		RW08 (MAP) (FO)		077.84 / 8.45											
RW08 (MAP)		4560 MSL		077.84											
4560 MSL		BONNEVILLE VORTAC (FO)													
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. PROFILE STARTS AT HUTLO 3. FAC: 077.84 FAF: _____ DIST FAF TO MAP: _____ THLD: _____ 4. MIN. ALT: HUTLO 10100, DENRE 9900, YITUL 9400 5. DIST TO THLD FROM OM: 8.45 MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 9400 GS ALT AT: YITUL 9400 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 5.68 TCH: 60.0 34:1 IS CLEAR 8. MSA FROM: RW08 12000									MAG VAR: 12E 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
LPV DA	4560	1	330		NA			NA			NA				
LNAV/VNAV DA	4581	1	351		NA			NA			NA				
NOTES: CHART NOTE: BARO-VNAV NA. CHART NOTE: DME/DME RNP-0.3 NA. CHART PROFILE NOTE: VGSI AND RNAV GLIDE PATH NOT COINCIDENT. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT SPATS ON V32 WESTBOUND AND V269 NORTHBOUND.															
CITY AND STATE		ELEVATION: 4237 TDZE: 4230			FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:					SUP:			
WENDOVER, UT		AIRPORT NAME:			RNAV		RNAV (GPS) RWY 8, AMDT 1					AMDT: ORIG			
		WENDOVER					8 JANUARY 2015					DATED 06/30/2011			

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

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

FAS DATA BLOCK INFORMATIONDATA FIELDDATA

OPERATION TYPE 0
SBAS SERVICE PROVIDER IDENTIFIER 0
AIRPORT IDENTIFIER KENV
RUNWAY RW08
APPROACH PERFORMANCE DESIGNATOR 0
ROUTE INDICATOR 0
REFERENCE PATH DATA SELECTOR W08A
REFERENCE PATH IDENTIFIER (APPROACH ID) 404308.1860N
LTP/FTP LATITUDE 1140236.3255W
LTP/FTP LONGITUDE +12709
LTP/FTP ELLIPSOIDAL HEIGHT 404308.2300N
FPAP LATITUDE 1140026.4900W
FPAP LONGITUDE 00060.0
THRESHOLD CROSSING HEIGHT (TCH) F
TCH UNITS SELECTOR (METERS OR FEET USED) 05.68
GLIDEPATH ANGLE (GPA) 106.75
COURSE WIDTH AT THRESHOLD 0000
LENGTH OFFSET 40.0
HORIZONTAL ALERT LIMIT (HAL) 50.0
VERTICAL ALERT LIMIT (VAL)

CRC REMAINDER

B0CB716C

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K2
LTP ORTHOMETRIC HEIGHT +12892
FPAP ORTHOMETRIC HEIGHT +12892

CITY AND STATE

WENDOVER, UT

ELEVATION: 4237

TDZE: 4230

AIRPORT NAME:

WENDOVER

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 8, AMDT 1

8 JANUARY 2015

SUP:

AMDT: ORIG

DATED: 06/30/2011

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

[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KENVK2FR08	ASPATS	010SPATSK2EA0E	A	IF					18000			A	JS
SUSAP KENVK2FR08	ASPATS	020HUTLOK2EA0EE	B	010TF		08580115	+	10100				A	JS
SUSAP KENVK2FR08	R	010HUTLOK2EA0E	I	IF			+	10100	18000			A	JS
SUSAP KENVK2FR08	R	011DENREK2EA0E	S	051TF		07780039	+	09900				A	JS
SUSAP KENVK2FR08	R	020YITULK2EA1E	F	051TF		07780021	+	09400			RW08	K2PGA	JS
SUSAP KENVK2FR08	R	020YITULK2EA2WALPV			ALNAV/VNAV N								JS
SUSAP KENVK2FR08	R	030RW08 K2PGOGY	M	031TF		07780085		04290		-568		A	JS
SUSAP KENVK2FR08	R	040		0 M	CA	0778	+	04560				A	JS
SUSAP KENVK2FR08	R	050BVL	K2D	OVY	DF			09000				A	JS
SUSAP KENVK2FR08	R	060BVL	K2D	OVE	R HM	24720070	+	09000				A	JS

[illegible][illegible]

CITY AND STATE WENDOVER, UT	ELEVATION: 4237 AIRPORT NAME: WENDOVER	TDZE: 4230 RNAV	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 8, AMDT 1 8 JANUARY 2015	SUP:
					AMDT: ORIG
					DATED: 06/30/2011

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

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MSA 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012

SUSAP KENVK2SRW08 K2PG 0 18018012025 M

CITY AND STATE
WENDOVER, UT

ELEVATION: 4237 TDZE: 4230
AIRPORT NAME:
WENDOVER

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
RNAV (GPS) RWY 8, AMDT 1
8 JANUARY 2015

SUP:
AMDT: ORIG
DATED: 06/30/2011

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

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

ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	SPATS	SPATS	010	IAF	IF		FB					
	SPATS	HUTLO	020		TF		FB	1.0	085.8(097.8T)	011.5	AA 10100	
		HUTLO	010	FACF	IF		FB				AA 10100	
		DENRE	011	SDF	TF		FB	0.5	077.8(089.8T)	003.9	AA 09900	
		YITUL	020	FAF	TF		FB	0.5	077.8(089.8T)	002.1	AA 09400	
		RW08	030	MAP	TF		FO	0.3	077.8(089.8T)	008.5	AT 04290	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		077.8(089.8T)		AA 04560	
	BVL	050		DF		FO				AA 09000	
	BVL	060		HM	R	FO		247.2(259.2T)	007.0	AA 09000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	BVL	N404333.95	W1134526.70	N4043.566	W11345.445
	DENRE	N404306.92	W1141624.88	N4043.115	W11416.415
	HUTLO	N404306.03	W1142134.46	N4043.101	W11421.574
	SPATS	N404440.68	W1143634.65	N4044.678	W11436.578
	YITUL	N404307.30	W1141343.36	N4043.122	W11413.723
	RW08	N404308.19	W1140236.33	N4043.137	W11402.606

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW08	04230	60

CITY AND STATE WENDOVER, UT	ELEVATION: 4237	TDZE: 4230	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 8, AMDT 1 8 JANUARY 2015	SUP:
	AIRPORT NAME: WENDOVER				AMDT: ORIG
					DATED: 06/30/2011

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION						RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33								Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT , HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.													
TERMINAL ROUTES														MISSED APPROACH													
FROM				TO				COURSE AND DISTANCE				ALTITUDE		LP: RW04 LNAV: RW04 CLIMB TO 3000 DIRECT HEKOR AND HOLD. ADDITIONAL FLIGHT DATA: HOLD NE, RT, 217.50 INBOUND. CHART FAS OBST: 939 TREE 435027N/0911759W CHART FAS OBST: 1239 TREE 435045N/0911810W 1419 AAO 434809N/0912045W. CHART 2033 TOWER 434818N/0912205W. WAAS CHANNEL # 82622 REFERENCE PATH ID: W04A PUCYI TO RW04: 3.00/40. CHART CIRCLING ICON LTP HAE: 165.4 M													
FALAR (IAF)					ZEGTU (NOPT) (FB)					025.00 / 9.06				3000													
ZEGTU (IF/IAF)					PUCYI (FB)					037.30 / 6.10				2500													
PUCYI (FAF)					RORLE/3.20 NM TO RW04 (FB)					037.36 / 2.49																	
RORLE/3.20 NM TO RW04					RW04 (MAP) (FO)					037.36 / 3.20																	
RW04 (MAP)					1056 MSL					037.36				3000													
1056 MSL					HEKOR (FO)																						
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD SW ZEGTU, RT, 037.30 INBOUND, 3000 FT. IN LIEU OF PT (IAF) 3. FAC: 037.36 FAF: PUCYI DIST FAF TO MAP: 5.69 THLD: 5.69 4. MIN. ALT: ZEGTU 3000, PUCYI 2500, RORLE/3.20 NM TO RW04 1700 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: RW04 3500														MAG VAR: 1W				EPOCH YEAR: 2015									
MINIMUMS																											
TAKEOFF:								SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE: N/A		STANDARD @													
CATEGORY =====>	A			B			C			D			E														
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA												
LP MDA	1200	1	546	1200	1	546	1200	1 5/8	546	1200	1 5/8	546															
LNAV MDA	1620	1 1/4	966	1620	1 1/2	966	1620	3	966	1620	3	966															
CIRCLING	1620	1 1/4	964	1620	1 1/2	964	1760	3	1104	1820	3	1164															
NOTES: CHART NOTE: DME/DME RNP-0.3 NA. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT FALAR ON V246 SOUTHBOUND AND ON V24 WESTBOUND. CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE WINONA ALTIMETER SETTING AND INCREASE (SEE FORM 8260-10) @ CAT B 1000-2, CAT C 1200-3, CAT D 1200-3 @ NA WHEN LOCAL WEATHER NOT AVAILABLE.																											
CITY AND STATE LA CROSSE, WI				ELEVATION: 656 TDZE: 654 AIRPORT NAME: LA CROSSE RGNL				FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 4, AMDT 1B 8 JANUARY 2015				SUP: RNAV (GPS) RWY 3 AMDT: 1A DATED 11/13/2014													

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.):

ALL MDA 60 FT, INCREASE LP CATS C AND D VISIBILITY 1/8 MILE.

CHART NOTE: CIRCLING RWY 22 NA AT NIGHT.

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

QUALITY
4
CHECKED

CITY AND STATE LA CROSSE, WI	ELEVATION: 656 TDZE: 654 AIRPORT NAME: LA CROSSE RGNL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 4, AMDT 1B 8 JANUARY 2015	SUP: RNAV (GPS) RWY 3
				AMDT: 1A
				DATED: 11/13/2014

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	KLSE
RUNWAY	RW04
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W04A
LTP/FTP LATITUDE	435212.6720N
LTP/FTP LONGITUDE	0911534.5060W
LTP/FTP ELLIPSOIDAL HEIGHT	+01654
FPAP LATITUDE	435324.3800N
FPAP LONGITUDE	0911421.4300W
THRESHOLD CROSSING HEIGHT (TCH)	00040.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1168
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	0.0

CRC REMAINDER

CB587423

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+01971
FPAP ORTHOMETRIC HEIGHT	+01971

QUALITY
4
CHECKED

CITY AND STATE

LA CROSSE, WI

ELEVATION: 656

TDZE: 654

AIRPORT NAME:

LA CROSSE RGNL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 4, AMDT 1B

8 JANUARY 2015

SUP: RNAV (GPS) RWY 3

AMDT: 1A

DATED: 11/13/2014

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

CITY AND STATE LA CROSSE, WI	ELEVATION: 656	TDZE: 654	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 4, AMDT 1B 8 JANUARY 2015	SUP: RNAV (GPS) RWY 3
	AIRPORT NAME: LA CROSSE RGNL				AMDT: 1A
					DATED: 11/13/2014

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

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

ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	FALAR	FALAR	010	IAF	IF		FB					
	FALAR	ZEGTU	020		TF		FB	1.0	025.0 (024.0T)	009.1	AA 03000	
	ZEGTU	ZEGTU	010	IAF	HF	R	FO		037.3 (036.3T)	004.0	AA 03000	
		ZEGTU	010	FACF	IF		FB				AA 03000	
		PUCYI	020	FAF	TF		FB	0.5	037.3 (036.3T)	006.1	AA 02500	
		RORLE	021	SDF	TF		FB	0.3	037.4 (036.4T)	002.5	AA 01700	GS 01706
		RW04	030	MAP	TF		FO	0.3	037.4 (036.4T)	003.2	AT 00687	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		037.4 (036.4T)		AA 01056	
	HEKOR	050		DF		FO				AA 03000	
	HEKOR	060		HM	R	FO		217.5 (216.5T)	004.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	FALAR	N433426.04	W0913018.32	N4334.434	W09130.305
	HEKOR	N440218.27	W0910515.53	N4402.305	W09105.259
	PUCYI	N434737.65	W0912014.49	N4347.628	W09120.242
	RORLE	N434938.11	W0911811.99	N4349.635	W09118.200
	ZEGTU	N434242.89	W0912513.49	N4342.715	W09125.225
	RW04	N435212.67	W0911534.51	N4352.211	W09115.575

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW04	00647	40

QUALITY
4
CHECKED

CITY AND STATE LA CROSSE, WI	ELEVATION: 656	TDZE: 654	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 4, AMDT 1B 8 JANUARY 2015	SUP: RNAV (GPS) RWY 3
	AIRPORT NAME: LA CROSSE RGNL				AMDT: 1A
					DATED: 11/13/2014

[4910-13]

DEPARTMENT OF TRANSPORTATION

Federal Aviation Administration

14 CFR Part 97

[Docket No. [30991](#); Amdt. No. [3620](#)]

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

AGENCY: Federal Aviation Administration (FAA), DOT.

ACTION: Final Rule.

SUMMARY: This rule amends, suspends, or revokes Standard Instrument Approach Procedures (SIAPs) and associated Takeoff Minimums and Obstacle Departure Procedures for operations at certain airports. These regulatory actions are needed because of the adoption of new or revised criteria, or because of changes occurring in the National Airspace System, such as the commissioning of new navigational facilities, adding new obstacles, or changing air traffic requirements. These changes are designed to provide safe and efficient use of the navigable airspace and to promote safe flight operations under instrument flight rules at the affected airports.

DATES: This rule is effective [INSERT DATE OF PUBLICATION IN THE FEDERAL REGISTER]. The compliance date for each SIAP, associated Takeoff Minimums, and ODP is specified in the amendatory provisions.

The incorporation by reference of certain publications listed in the regulations is approved by the Director of the Federal

Register as of [INSERT DATE OF ² PUBLICATION IN THE FEDERAL REGISTER].

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

For Examination -

1. FAA Rules Docket, FAA Headquarters Building, 800 Independence Avenue, SW, Washington, DC 20591;

2. The FAA Regional Office of the region in which the affected airport is located;

3. The National Flight Procedures Office, 6500 South MacArthur Blvd., Oklahoma City, OK 73169 or,

4. The National Archives and Records Administration (NARA). For information on the availability of this material at NARA, call 202-741-6030, or go to:

http://www.archives.gov/federal_register/code_of_federal_regulations/ibr_locations.html.

Availability - All SIAPs are available online free of charge.

Visit nfdc.faa.gov to register. Additionally, individual SIAP and Takeoff Minimums and ODP copies may be obtained from:

1. FAA Public Inquiry Center (APA-200), FAA Headquarters Building, 800 Independence Avenue, SW., Washington, DC 20591; or

2. The FAA Regional Office of the region in which the affected airport is located.

FOR FURTHER INFORMATION CONTACT: Richard A. Dunham III, Flight Procedure Standards Branch (AFS-420) Flight Technologies and Programs Division, Flight Standards Service, Federal Aviation Administration, Mike Monroney Aeronautical Center, 6500 South

3

MacArthur Blvd., Oklahoma City, OK. 73169 (Mail Address: P.O. Box 25082 Oklahoma City, OK. 73125) telephone: (405) 954-4164.

SUPPLEMENTARY INFORMATION: This rule amends Title 14, Code of Federal Regulations, Part 97 (14 CFR part 97) by amending the referenced SIAPs. The complete regulatory description of each SIAP is listed on the appropriate FAA Form 8260, as modified by the National Flight Data Center (FDC)/Permanent Notice to Airmen (P-NOTAM), and is incorporated by reference in the amendment under 5 U.S.C. 552(a), 1 CFR part 51, and §97.20 of Title 14 of the Code of Federal Regulations.

The large number of SIAPs, their complex nature, and the need for a special format make their verbatim publication in the Federal Register expensive and impractical. Further, airmen do not use the regulatory text of the SIAPs, but refer to their graphic depiction on charts printed by publishers of aeronautical materials. Thus, the advantages of incorporation by reference are realized and publication of the complete description of each SIAP contained in FAA form documents is unnecessary. This amendment provides the affected CFR sections and specifies the types of SIAP and the corresponding effective dates. This amendment also identifies the airport and its location, the procedure and the amendment number.

THE RULE

This amendment to 14 CFR part 97 is effective upon publication of each separate SIAP as amended in the transmittal. For safety and timeliness of change considerations, this amendment incorporates only specific changes contained for each SIAP as modified by FDC/P-NOTAMs.

The SIAPs, as modified by FDC P-NOTAM, and contained in this amendment are based on the criteria contained in the U.S. Standard for Terminal Instrument Procedures (TERPS). In developing these changes to SIAPs, the TERPS criteria were applied only to specific conditions existing at the affected airports. All SIAP amendments in this rule have been previously issued by the FAA in a FDC NOTAM as an emergency action of immediate flight safety relating directly to published aeronautical charts. The circumstances which created the need for all these SIAP amendments requires making them effective in less than 30 days.

Because of the close and immediate relationship between these SIAPs and safety in air commerce, I find that notice and public procedure before adopting these SIAPs are impracticable and contrary to the public interest and, where applicable, that good cause exists for making these SIAPs effective in less than 30 days.

CONCLUSION

The FAA has determined that this regulation only involves an established body of technical regulations for which frequent and routine amendments are necessary to keep them operationally current. It, therefore--(1) is not a "significant regulatory action" under Executive Order 12866;(2) is not a "significant rule " under DOT Regulatory Policies and Procedures (44 FR 11034; February 26,1979) ; and (3)does not warrant preparation of a regulatory evaluation as the anticipated impact is so minimal. For the same reason, the FAA certifies that this amendment will not have a significant economic impact on a substantial number of small entities under the criteria of the Regulatory Flexibility Act.

List of Subjects in 14 CFR part 97:

Air Traffic Control, Airports, Incorporation by reference, and Navigation (Air).

Issued in Washington, DC on [NOVEMBER 21, 2014](#).

A handwritten signature in black ink, appearing to read "John Duncan", with a long horizontal flourish extending to the right.

John Duncan
Director, Flight Standards Service

ADOPTION OF THE AMENDMENT

Accordingly, pursuant to the authority delegated to me, Title 14, Code of Federal regulations, Part 97, 14 CFR part 97, is amended by amending Standard Instrument Approach Procedures, effective at 0901 UTC on the dates specified, as follows:

Part 97 - Standard Instrument Approach Procedures

1. The authority citation for part 97 continues to read as follows:

AUTHORITY: 49 U.S.C. 106(g), 40103, 40106, 40113, 40114, 40120, 44502, 44514, 44701, 44719, 44721-44722.

2. Part 97 is amended to read as follows:

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

.....EFFECTIVE UPON PUBLICATION

AIRAC DATE	STATE	CITY	AIRPORT	FDC NUMBER	FDC DATE	SUBJECT
11-Dec-14	WY	Worland	Worland Muni	4/9952	10/14/14	This NOTAM, published in TL 14-25, is hereby rescinded in its entirety.
11-Dec-14	WY	Worland	Worland Muni	4/9953	10/14/14	This NOTAM, published in TL 14-25, is hereby rescinded in its entirety.
11-Dec-14	WY	Worland	Worland Muni	4/9993	10/14/14	This NOTAM, published in TL 14-25, is hereby rescinded in its entirety.
AIRAC DATE	STATE	CITY	AIRPORT	FDC NUMBER	FDC DATE	SUBJECT
8-Jan-15	SC	Charleston	Charleston Executive	4/2290	11/13/14	ILS OR LOC RWY 9, Amdt 2
8-Jan-15	SC	Charleston	Charleston Executive	4/2292	11/13/14	RNAV (GPS) RWY 9, Amdt 3
8-Jan-15	WA	Chehalis	Chehalis-Centralia	4/3229	11/14/14	RNAV (GPS) RWY 16, Amdt 1A
8-Jan-15	IN	South Bend	South Bend Intl	4/5160	11/13/14	RNAV (GPS) RWY 18, Amdt 1
8-Jan-15	KS	Hutchinson	Hutchinson Muni	4/5427	11/13/14	RNAV (GPS) RWY 22, Orig
8-Jan-15	KS	Hutchinson	Hutchinson Muni	4/5430	11/13/14	ILS OR LOC RWY 13, Amdt 16D
8-Jan-15	SD	Gregory	Gregory Muni - Flynn Fld	4/6084	11/13/14	RNAV (GPS) RWY 31, Orig
8-Jan-15	TX	Haskell	Haskell Muni	4/7204	11/14/14	NDB OR GPS RWY 18, Amdt 2A
8-Jan-15	GA	Atlanta	Atlanta Rgnl Falcon Field	4/7214	11/13/14	RNAV (GPS) RWY 31, Amdt 2
8-Jan-15	GA	Atlanta	Atlanta Rgnl Falcon Field	4/7216	11/13/14	RNAV (GPS) RWY 13, Amdt 2
8-Jan-15	GA	Atlanta	Atlanta Rgnl Falcon Field	4/7220	11/13/14	NDB RWY 31, Amdt 3
8-Jan-15	GA	Atlanta	Atlanta Rgnl Falcon Field	4/7227	11/13/14	ILS OR LOC RWY 31, Amdt 2
8-Jan-15	TN	Dyersburg	Dyersburg Rgnl	4/8699	11/13/14	RNAV (GPS) RWY 4, Amdt 2
8-Jan-15	TN	Dyersburg	Dyersburg Rgnl	4/8701	11/13/14	RNAV (GPS) RWY 22, Amdt 1
8-Jan-15	NM	Deming	Deming Muni	4/9675	11/13/14	VOR RWY 26, Amdt 10
8-Jan-15	FM	Yap Island	Yap Intl	4/9733	11/13/14	NDB RWY 25, Orig-A
8-Jan-15	FM	Yap Island	Yap Intl	4/9735	11/13/14	NDB/DME RWY 25, Orig-A

8-Jan-15	NY	Shirley	Brookhaven	4/9795	11/13/14	ILS OR LOC RWY 6, Amdt 2A
8-Jan-15	NY	Shirley	Brookhaven	4/9796	11/13/14	RNAV (GPS) RWY 6, Amdt 2A

AIRAC Date: 8 JANUARY 2015

FDC **4/2290** JZI IAP CHARLESTON EXECUTIVE, CHARLESTON, SC. ILS OR LOC RWY 9, AMDT 2... CHANGE THRE 19 TO TDZE 19. THIS IS ILS OR LOC RWY 9, AMDT 2A. 1410231503-PERM

FDC **4/2292** JZI IAP CHARLESTON EXECUTIVE, CHARLESTON, SC. RNAV (GPS) RWY 9, AMDT 3... CHANGE THRE 19 TO TDZE 19. THIS IS RNAV (GPS) RWY 9, AMDT 3A. 1410231503-PERM

FDC **4/3229** CLS IAP CHEHALIS-CENTRALIA, CHEHALIS, WA. RNAV (GPS) RWY 16, AMDT 1A... LPV DA 484. LNAV/VNAV DA 667. LNAV HAT 724 ALL CATS. CHART TDZE 176 DELETE THRE 171.. THIS IS RNAV (GPS) RWY 16, AMDT 1B. 1411131309-PERM

FDC **4/5160** SBN IAP SOUTH BEND INTL, SOUTH BEND, IN. RNAV (GPS) RWY 18, AMDT 1... LPV DA 1048. LNAV/VNAV DA 1057. LNAV HAT 362. CIRCLING CAT A/B HAA 462, CAT C 482, CAT D 562. CHART TDZE 798 DELETE THRE 799. CHART APT ELEV 798. THIS IS RNAV (GPS) RWY 18, AMDT 1A. 1409151623-PERM

FDC **4/5427** HUT IAP HUTCHINSON MUNI, HUTCHINSON, KS. RNAV (GPS) RWY 22, ORIG... CHANGE THRE 1543 TO TDZE 1543. DELETE NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NA. THIS IS RNAV (GPS) RWY 22, ORIG-A. 1410092259-PERM

FDC **4/5430** HUT IAP HUTCHINSON MUNI, HUTCHINSON, KS. ILS OR LOC RWY 13, AMDT 16D... CHANGE THRE 1525 TO TDZE 1525. THIS IS ILS OR LOC RWY 13, AMDT 16E. 1410092259-PERM

FDC **4/6084** 9D1 IAP GREGORY MUNI - FLYNN FLD, GREGORY, SD. RNAV (GPS) RWY 31, ORIG... DELETE NOTE: CIRCLING TO RWY 18/36 NA AT NIGHT. LPV DA 2489. LNAV/VNAV DA 2709. LNAV HAT 471. CHART TDZE 2169. DELETE THRE 2160. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. THIS IS RNAV (GPS) RWY 31 ORIG-A. 1410301821-PERM

FDC **4/7204** 15F IAP HASKELL MUNI, HASKELL, TX. NDB OR GPS RWY 18, AMDT 2A... TERMINAL ROUTE FROM GUTHRIE (GTH) VORTAC TO HASKELL (AKL) NDB MINIMUM ALTITUDE 6000. THIS IS NDB OR GPS RWY 18, AMDT 2B. 1405272154-PERM

FDC **4/7214** FFC IAP ATLANTA RGNL FALCON FIELD, ATLANTA, GA. RNAV (GPS) RWY 31, AMDT 2... LPV DA 1081. LNAV/VNAV DA 1182. LNAV HAT 472 ALL CATS. CHART TDZE 808 DELETE THRE 807. THIS IS RNAV (GPS) RWY 31, AMDT 2A. 1404231339-PERM

FDC **4/7216** FFC IAP ATLANTA RGNL FALCON FIELD, ATLANTA, GA. RNAV (GPS) RWY 13, AMDT 2... CHANGE THRE 797 TO TDZE 797. THIS IS RNAV (GPS) RWY 13, AMDT 2A. 1404231339-PERM

FDC **4/7220** FFC IAP ATLANTA RGNL FALCON FIELD, ATLANTA, GA. NDB RWY 31, AMDT 3... S-31 HAT 552 ALL CATS. CHART TDZE 808 DELETE THRE 807. THIS IS NDB RWY 31, AMDT 3A. 1404231339-PERM

FDC **4/7227** FFC IAP ATLANTA RGNL FALCON FIELD, ATLANTA, GA. ILS OR LOC RWY 31, AMDT 2... S-ILS 31 DA 1082. S-LOC 31 HAT 552 ALL CATS. AGEHO FIX MINIMUMS (DME REQUIRED) S-LOC 31 HAT 392 ALL CATS. CHART TDZE 808 DELETE THRE 807. THIS IS ILS OR LOC RWY 31, AMDT 2A. 1404231339-PERM

FDC **4/8699** DYR IAP DYERSBURG RGNL, DYERSBURG, TN. RNAV (GPS) RWY 4, AMDT 2... LPV DA 588. LNAV/VNAV DA 592. LNAV HAT 404 ALL CATS. DELETE THRE 292. THIS IS RNAV (GPS) RWY 4, AMDT 2A. 1411042122-PERM

FDC **4/8701** DYR IAP DYERSBURG RGNL, DYERSBURG, TN. RNAV (GPS) RWY 22, AMDT 1... DELETE NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.. DELETE THRE 334. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NA. THIS IS RNAV (GPS) RWY 22, AMDT 1A. 1411042122-PERM

FDC **4/9675** DMN IAP DEMING MUNI, DEMING, NM. VOR RWY 26, AMDT 10... S-26 MDA 4660/HAT 363 ALL CATS. CHART VDP AT DMN 3.99 DME; DISTANCE VDP TO THLD 1.00 MILE. CHART FAS OBSTACLE: 4346 ANTENNA TOWER 321514N/1073921W. CHANGE TDZE TO 4297. THIS IS VOR RWY 26, AMDT 10A. 1411052214-PERM

FDC **4/9733** T11 IAP YAP INTL, YAP ISLAND, . NDB RWY 25, ORIG-A... S-25 MDA 1060/HAT 971 ALL CATS. CAT B VIS 1 1/2 AND CAT C VIS 3. CIRCLING MDA 1060/HAA 969 ALL CATS. CAT B VIS 1 1/2 AND CAT C VIS 3.. THIS IS NDB RWY 25 ORIG-B. 1409251701-PERM

FDC **4/9735** T11 IAP YAP INTL, YAP ISLAND, . NDB/DME RWY 25, ORIG-A... S-25 MDA 1020/HAT 931 ALL CATS. CAT A VIS 1 1/4, CAT C VIS 2 3/4 AND CAT D VIS 3. CIRCLING MDA 1020/HAA 929 ALL CATS. CAT A VIS 1 1/4, CAT C VIS 2 3/4 AND CAT D VIS 3.. THIS IS NDB/DME RWY 25 ORIG-B. 1409251701-PERM

FDC **4/9795** HWV IAP BROOKHAVEN, SHIRLEY, NY. ILS OR LOC RWY 6, AMDT 2A... CHANGE ALTIMETER SETTING NOTE TO READ: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE LONG ISLAND MAC ARTHUR ALTIMETER SETTING AND INCREASE ALL DA 28 FEET AND ALL MDA 40 FEET. DELETE NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NA. THIS IS ILS OR LOC RWY 6, AMDT 2B. 1411061304-PERM

FDC **4/9796** HWV IAP BROOKHAVEN, SHIRLEY, NY. RNAV (GPS) RWY 6, AMDT 2A... DELETE NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NA. THIS IS RNAV (GPS) RWY 6, AMDT 2B. 1411061304-PERM