

U.S. Department
of Transportation

**Federal Aviation
Administration**

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

Transmittal Letter 08-23

October 3, 2008

NOTE: When printing the TL, select 'Document and Markup' (or 'Comments') in the print settings. Date stamps and page numbers have been inserted electronically. If you have questions, please call (202) 267-8790.

**PREPARED BY THE NATIONAL FLIGHT DATA CENTER, ATO-R
(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 published in Transmittal Letters 08-21 and 08-22:

Detroit, MI, Detroit Metropolitan Wayne County, ILS Y RWY 22R, Orig
Greer, SC, Greenville-Spartanburg Intl-Roger Milliken, ILS OR LOC RWY 4, ILS RWY 4 (CAT II), ILS RWY 4 (CAT III), Amdt 22

The following procedure published in TL 08-22 with an effective date of 20 NOV 2008 is hereby corrected to read as follows:

Cape Girardeau, MO, Cape Girardeau Rgnl, ILS OR LOC RWY 10, Amdt 11

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE
FAR PART 97.29

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

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
GRDCY/20.63 DME/RADAR (IAF)	MMOTR/17.77 DME/RADAR	212.19 / 2.86 (I-BZB)	6000*
MMOTR/17.77 DME/RADAR	TAYUL/14.86 DME/RADAR	212.19 / 2.91 (I-BZB)	5000*
TAYUL/14.86 DME/RADAR	EMINN/11.91 DME/RADAR	212.19 / 2.95 (I-BZB)	4000*
EMINN/11.91 DME/RADAR (IF)	WONDR/8.92 DME/RADAR	212.19 / 3.00 (I-BZB)	3000*
WONDR/8.92 DME/RADAR	JELVU/6.79 DME/RADAR	212.19 / 2.13 (I-BZB)	2300

MISSED APPROACH

ILS: DA

CLIMB TO 1300 THEN CLIMBING RIGHT TURN TO 3000 DIRECT SVM VORTAC AND HOLD; OR WHEN DIRECTED BY ATC, CLIMB TO 1300 THEN CLIMBING RIGHT TURN TO 3000 VIA HEADING 355 AND PSI VORTAC R-176 TO PSI VORTAC AND HOLD NW, RT, 124.00 INBOUND.

ADDITIONAL FLIGHT DATA:

HOLD NE, RT, 213.00 INBOUND.
CHART: ALTERNATE MA HOLDING, HOLD NW PSI VORTAC, RT, 124.00 INBOUND.
CHART IN PLANVIEW: PSI VORTAC.
CHART PLANVIEW NOTE: LOC OFFSET 2.50 DEGREES
CHART: (KIVTE) FICTITIOUS THRESHOLD POINT (FTP)

This is a corrected copy of a procedure published in TL 08-21, dated 9/5/2008.
-- STTAN fix replaced by EMINN.

1. PT NA SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
2. PROFILE STARTS AT GRDCY/20.63 DME/RADAR
3. FAC: 212.19 FAF: DIST FAF TO MAP: THLD:
4. MIN. ALT: GRDCY 7000, MMOTR 6000*, TAYUL 5000*, EMINN 4000*, WONDR 3000*, JELVU 2300
5. DIST TO THLD FROM OM: 4.96 MM: - IM: - 150 HAT: - 100 HAT: - GS ANT: 1055
6. MIN GS INCPT: 2300 GS ALT AT: JELVU/6.79 DME/RADAR 2300 OM: - MM: - IM: -
7. GS ANGLE: 3.00 TCH: 55.1
8. MSA FROM: DXO VOR/DME 2800

MAG VAR: 6W

EPOCH YEAR: 1990

MINIMUMS

TAKEOFF:		STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N/A			ILS: STANDARD								
CATEGORY ==>	A			B			C			D			E			
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	
S-ILS 22R	892	2400	250	892	2400	250	892	2400	250	892	2400	250				
						</										

NOTES:
CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED WITH RWY 21L.
CHART NOTE: DME OR RADAR REQUIRED.
CHART PLANVIEW NOTE: RADAR REQUIRED.
CHART NOTE: PROCEDURE NA WHEN GLIDESLOPE NOT AVAILABLE.
SEE 8260-10

CITY AND STATE DETROIT, MI	ELEVATION: 645 TDZE: 642 AIRPORT NAME: DETROIT METROPOLITAN WAYNE COUNTY	FACILITY IDENTIFIER: I-BZB	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS Y RWY 22R, ORIG 20 NOV 2008	SUP: AMDT: NONE DATED

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS - STANDARD

INSTRUMENT APPROACH PROCEDURE - FAR PART 97.29

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NOTES CONT.

CHART PROFILE NOTE: *WHEN ASSIGNED BY ATC, INTERCEPT GLIDEPATH AT 3000 OR 4000 OR 5000 OR 6000.

CHART NOTE: LOC PROCEDURE NA DURING SIMULTANEOUS OPERATIONS.

CITY AND STATE

DETROIT, MI

ELEVATION: 645

TDZE: 642

AIRPORT NAME:

DETROIT METROPOLITAN WAYNE COUNTY

FACILITY

IDENTIFIER:

I-BZB

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

ILS Y RWY 22R, ORIG

20 NOV 2008

SUP:

AMDT: NONE

DATED:

ILS - STANDARD INSTRUMENT APPROACH PROCEDURE FAR PART 97.29				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.											
TERMINAL ROUTES				MISSED APPROACH											
FROM	TO	COURSE AND DISTANCE	ALTITUDE	ILS: DA LOC: 4.77 MILES AFTER GS LOM CLIMB TO 3000 THEN RIGHT TURN DIRECT SPA VORTAC AND HOLD; OR WHEN DIRECTED BY ATC, CLIMB TO 2000 THEN CLIMBING RIGHT TURN TO 3000 DIRECT FRT NDB AND HOLD SW, RT, 063.00 INBOUND, ADF REQUIRED. ADDITIONAL FLIGHT DATA: HOLD S, RT, 014.00 INBOUND. CHART: ALTERNATE MA HOLDING, HOLD SW FRT NDB, RT, 063.00 INBOUND. CHART FAS OBST: 1120 TWR 345123N/0821525W CHART IN PLANVIEW: FRT NDB. CHART ASR CHART JUDKY LOM (GM) WITH NOTE: DO NOT CONFUSE WITH GREER (GS) OM .											
UNMAN INT	GREER LOM	197.27 / 12.61	3000												
SPA VORTAC	GREER LOM	235.23 / 21.78	3000												
PELZE INT	GREER LOM	050.70 / 19.49	3000												
THIS IS A CORRECTED COPY OF A PROC PUBLISHED IN TL 08-22. DELETED THE WORD "TO" FROM CHART NOTE: INCREASE ALL MDA TO 40 FT. CHANGE MSA FROM: GS LOM 270-090 3000, 090-270 5300, TO: GS LOM 270-090 5300, 090-270 3000. ALSO CHANGE CHART NOTE: ADF OR RADAR REQUIRED TO PLANVIEW NOTE.															
1. PT <u>L</u> SIDE OF COURSE <u>218.21</u> OUTBOUND <u>3000</u> FT WITHIN <u>10</u> MILES OF <u>GREER LOM</u> (IAF) 2. _____ 3. FAC: <u>038.21</u> FAF: <u>GREER LOM</u> DIST FAF TO MAP: <u>4.77</u> THLD: <u>4.77</u> 4. MIN. ALT: <u>GREER LOM 2600</u> 5. DIST TO THLD FROM OM: <u>4.77</u> MM: <u>0.43</u> IM: <u>950</u> 150 HAT: <u>-</u> 100 HAT: <u>1013</u> GS ANT: <u>1010</u> 6. MIN GS INCPT: <u>2600</u> GS ALT AT: <u>GS INTCP</u> OM: <u>2537</u> MM: <u>1132</u> IM: <u>1046</u> 7. GS ANGLE: <u>3.00</u> TCH: <u>55.0</u> 8. MSA FROM: <u>GS LOM 270-090 5300, 090-270 3000</u>				MAG VAR: 6W EPOCH YEAR: 2000											
MINIMUMS															
TAKEOFF:	STANDARD	X	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 4	1147	1800	200	1147	1800	200	1147	1800	200	1147	1800	200			
S-LOC 4	1380	2400	433	1380	2400	433	1380	4000	433	1380	5000	433			
CIRCLING	1420	1	456	1420	1	456	1420	1 1/2	456	1520	2	556			
NOTES: CATEGORY II ILS SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED. S-ILS 4: DA 1047 MSL, 145 RA, RVR 1200, HAT 100; CATS A,B,C,D. CATEGORY III ILS SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED. S-ILS 4: CAT IIIA RVR 700; CATS A, B, C, D. CAT IIIB RVR 600; CATS A, B, C, D. CAT IIIC NA. SEE 8260-10															
CITY AND STATE GREER, SC		ELEVATION: 964 TDZE: 947 AIRPORT NAME: GREENVILLE-SPARTANBURG INTL - ROGER MILLIKEN		FACILITY IDENTIFIER: I-GSP		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 4, AMDT 22 ILS RWY 4 (CAT II), ILS RWY 4 (CAT III) 23 OCT 2008				SUP: ILS RWY 4 AMDT: 21 DATED 01/18/2007					

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

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NOTES CONT.

CHART PLANVIEW NOTE: ADF OR DME REQUIRED.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE GREENVILLE DOWNTOWN ALTIMETER SETTING AND INCREASE ALL DA TO 1176. INCREASE ALL MDA 40 FEET. CAT II/III NA.

CITY AND STATE

GREER, SC

ELEVATION: 964 TDZE: 947

AIRPORT NAME:

GREENVILLE-SPARTANBURG INTL - ROGER
MILLIKENFACILITY
IDENTIFIER:

I-GSP

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

ILS OR LOC RWY 4, AMDT 22
ILS RWY 4 (CAT II), ILS RWY 4 (CAT III)

23 OCT 2008

SUP: ILS RWY 4

AMDT: 21

DATED: 01/18/2007

[4910-13]

DEPARTMENT OF TRANSPORTATION

Federal Aviation Administration

14 CFR Part 97

[Docket No. 30631; Amdt. No 3290]

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

AGENCY: Federal Aviation Administration (FAA), DOT.

ACTION: Final Rule.

SUMMARY: This 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 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: Harry J. Hodges, 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 October 3, 2008



James J. Ballough
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 20 NOV 2008

Clinton, AR, Holley Mountain Airpark, Takeoff Minimums and Obstacle DP, Orig
Fayetteville, AR, Drake Field, LDA/DME RWY 34, Amdt 3
Fayetteville, AR, Drake Field, RNAV (GPS) RWY 16, Orig
Fayetteville, AR, Drake Field, RNAV (GPS) RWY 34, Orig
Fayetteville, AR, Drake Field, VOR-A, Amdt 25
Sacramento, CA, Sacramento Executive, ILS OR LOC RWY 2, Amdt 23
Sacramento, CA, Sacramento Executive, RNAV (GPS) RWY 2, Orig
Sacramento, CA, Sacramento Executive, Takeoff Minimums and Obstacle DP, Orig
Sacramento, CA, Sacramento Executive, VOR RWY 2, Amdt 10
San Diego/El Cajon, CA, Gillespie Field, GPS RWY 17, Orig-A, CANCELLED
San Diego/El Cajon, CA, Gillespie Field, RNAV (GPS) RWY 17, Orig
San Diego, CA, San Diego Intl, LOC RWY 27, Amdt 3
San Diego, CA, San Diego Intl, RNAV (GPS) RWY 27, Amdt 1
San Jose, CA, Norman Y. Mineta/San Jose Intl, RNAV (RNP) Z RWY 12R, Orig-A
Wray, CO, Wray Muni, RNAV (GPS) RWY 17, Amdt 1
Wray, CO, Wray Muni, RNAV (GPS) RWY 35, Amdt 1
Orlando, FL, Orlando Sanford Intl, ILS OR LOC RWY 9L, Amdt 3
Orlando, FL, Orlando Sanford Intl, ILS OR LOC RWY 27R, Amdt 1
Alma, GA, Bacon County, RNAV (GPS) RWY 15, Amdt 1
Covington, GA, Covington Muni, GPS RWY 28, Orig-B, CANCELLED
Covington, GA, Covington Muni, NDB RWY 28, Amdt 2
Covington, GA, Covington Muni, RNAV (GPS) RWY 10, Orig
Covington, GA, Covington Muni, RNAV (GPS) RWY 28, Orig
Covington, GA, Covington Muni, Takeoff Minimums and Obstacle DP, Amdt 1
Covington, GA, Covington Muni, VOR/DME RWY 10, Amdt 4
Elberton, GA, Elbert Co-Patz Field, GPS RWY 28, Orig, CANCELLED
Elberton, GA, Elbert Co-Patz Field, RNAV (GPS) RWY 10, Orig
Elberton, GA, Elbert Co-Patz Field, RNAV (GPS) RWY 28, Orig
Elberton, GA, Elbert Co-Patz Field, Takeoff Minimums and Obstacle DP, Orig
Elberton, GA, Elbert Co-Patz Field, VOR/DME RWY 10, Amdt 3
Gooding, ID, Gooding Muni, NDB RWY 25, Amdt 1
Champaign/Urbana, IL, University of Illinois-Willard, RNAV (GPS) RWY 32R, Orig
Chicago, IL, Chicago-O'Hare Intl, ILS OR LOC RWY 9L, ILS RWY 9L (CAT II), ILS
RWY 9L (CAT III), Orig
Chicago, IL, Chicago-O'Hare Intl, ILS OR LOC RWY 9R, Amdt 9
Chicago, IL, Chicago-O'Hare Intl, ILS OR LOC RWY 27L, ILS RWY 27L (CAT II),
ILS RWY 27L (CAT III), Amdt 28
Chicago, IL, Chicago-O'Hare Intl, ILS OR LOC RWY 27R, ILS RWY 27R (CAT II),
ILS RWY 27R (CAT III), Orig
Chicago, IL, Chicago-O'Hare Intl, RNAV (GPS) RWY 9L, Orig
Chicago, IL, Chicago-O'Hare Intl, RNAV (GPS) RWY 9R, Amdt 2
Chicago, IL, Chicago-O'Hare Intl, RNAV (GPS) RWY 27L, Amdt 2

Chicago, IL, Chicago-O'Hare Intl, RNAV (GPS) RWY 27R, Orig
Chicago, IL, Chicago-O'Hare Intl, Takeoff Minimums and Obstacle DP, Amdt 16
Morris, IL, Morris Muni-James R. Washburn Field, RNAV (GPS) RWY 36, Amdt 1
Morris, IL, Morris Muni-James R. Washburn Field, Takeoff Minimums and
Obstacle DP, Orig
Quincy, IL, Quincy Rgnl-Baldwin Field, ILS OR LOC RWY 4, Amdt 17B
Indianapolis, IN, Eagle Creek Airpark, NDB RWY 21, Amdt 4
Indianapolis, IN, Eagle Creek Airpark, Takeoff Minimums and Obstacle DP, Amdt 1
Indianapolis, IN, Eagle Creek Airpark, VOR-A, Amdt 7
Indianapolis, IN, Mount Comfort, RNAV (GPS) RWY 25, Orig
Hopkinsville, KY, Hopkinsville-Christian County, LOC RWY 26, Amdt 4
Hopkinsville, KY, Hopkinsville-Christian County, NDB RWY 26, Amdt 7
Hopkinsville, KY, Hopkinsville-Christian County, RNAV (GPS) RWY 8, Orig
Hopkinsville, KY, Hopkinsville-Christian County, RNAV (GPS) RWY 26, Orig
New Roads, LA, False River Rgnl, LOC RWY 36, Amdt 1
New Roads, LA, False River Rgnl, NDB RWY 36, Amdt 2
Alpena, MI, Alpena County Rgnl, RNAV (GPS) RWY 1, Orig
Detroit, MI, Willow Run, RNAV (GPS) RWY 23L, Amdt 1
Motley, MN, Morey's, Takeoff Minimums and Obstacle DP, Orig, CANCELLED
St Louis, MO, Lambert-St Louis Intl, ILS OR LOC RWY 12R, Amdt 21D
St Louis, MO, Lambert-St Louis Intl, ILS OR LOC RWY 30L, Amdt 12
Charlotte, NC, Charlotte/Douglas Intl, ILS OR LOC RWY 18C, Amdt 9A
Charlotte, NC, Charlotte/Douglas Intl, ILS OR LOC RWY 18L, Amdt 6A
Charlotte, NC, Charlotte/Douglas Intl, ILS OR LOC RWY 36C, ILS RWY 36C (CAT
II), ILS RWY 36C (CAT III), Amdt 15C
Charlotte, NC, Charlotte/Douglas Intl, ILS OR LOC RWY 36R, ILS RWY 36R (CAT
II), ILS RWY 36R (CAT III), Amdt 10A
Charlotte, NC, Charlotte/Douglas Intl, RNAV (GPS) RWY 18C, Amdt 2A
Charlotte, NC, Charlotte/Douglas Intl, RNAV (GPS) RWY 36C, Amdt 2A
Charlotte, NC, Charlotte/Douglas Intl, Takeoff Minimums and Obstacle DP, Amdt 4
Manchester, NH, Manchester, Takeoff Minimums and Obstacle DP, Amdt 9
Wilmington, OH, Clinton Field, RNAV (GPS) RWY 21, Amdt 1
Chester, SC, Chester Catawba Regional, GPS RWY 17, Orig, CANCELLED
Chester, SC, Chester Catawba Regional, GPS RWY 35, Orig, CANCELLED
Chester, SC, Chester Catawba Regional, RNAV (GPS) RWY 17, Orig
Chester, SC, Chester Catawba Regional, RNAV (GPS) RWY 35, Orig
Newberry, SC, Newberry County, NDB RWY 22, Amdt 6
Newberry, SC, Newberry County, Takeoff Minimums and Obstacle DP, Amdt 1
Knoxville, TN, McGhee-Tyson, NDB RWY 5R, Amdt 5A, CANCELLED
Knoxville, TN, McGhee-Tyson, RNAV (GPS) RWY 5R, Amdt 1
Knoxville, TN, McGhee-Tyson, RNAV (GPS) RWY 23L, Amdt 1
Sevierville, TN, Gatlinburg-Pigeon Forge, RNAV (GPS) RWY 10, Orig
Sevierville, TN, Gatlinburg-Pigeon Forge, VOR/DME RWY 10, Amdt 6

Carthage, TX, Panola County-Sharpe Field, NDB RWY 35, Amdt 2
Carthage, TX, Panola County-Sharpe Field, RNAV (GPS) RWY 17, Orig
Carthage, TX, Panola County-Sharpe Field, RNAV (GPS) RWY 35, Orig
Carthage, TX, Panola County-Sharpe Field, Takeoff and Minimums and
Obstacle DP, Orig
Mason, TX, Mason County, Takeoff Minimums and Obstacle DP, Orig
Pleasanton, TX, Pleasanton Muni, GPS RWY 34, Orig, CANCELLED
Pleasanton, TX, Pleasanton Muni, NDB-A, Amdt 5B, CANCELLED
Pleasanton, TX, Pleasanton Muni, RNAV (GPS) RWY 34, Orig
Pleasanton, TX, Pleasanton Muni, Takeoff Minimums and Obstacle DP, Amdt 1
Victoria, TX, Victoria Rgnl, Takeoff and Minimums and Obstacle DP, Orig
Price, UT, Carbon County Rgnl/Buck Davis Field, ILS OR LOC/DME RWY 36, Orig
Seattle, WA, Seattle-Tacoma Intl, ILS OR LOC RWY 16C, ILS RWY 16C (CAT II),
ILS RWY 16C (CAT III), Amdt 13
Seattle, WA, Seattle-Tacoma Intl, ILS OR LOC RWY 16L, ILS RWY 16L (CAT II),
ILS RWY 16L (CAT III), Amdt 4
Seattle, WA, Seattle-Tacoma Intl, ILS OR LOC RWY 16R, ILS RWY 16R (CAT II),
ILS RWY 16R (CAT III), Orig
Seattle, WA, Seattle-Tacoma Intl, ILS OR LOC RWY 34C, ILS RWY 34C
(CAT II), Amdt 2
Seattle, WA, Seattle-Tacoma Intl, ILS OR LOC RWY 34L, ILS RWY 34L
(CAT II), Orig
Seattle, WA, Seattle-Tacoma Intl, ILS OR LOC RWY 34R, ILS RWY 34R
(CAT II), Amdt 1
Seattle, WA, Seattle-Tacoma Intl, RNAV (GPS) RWY 16C, Amdt 1
Seattle, WA, Seattle-Tacoma Intl, RNAV (GPS) RWY 16L, Amdt 2
Seattle, WA, Seattle-Tacoma Intl, RNAV (GPS) RWY 16R, Orig
Seattle, WA, Seattle-Tacoma Intl, RNAV (GPS) RWY 34C, Amdt 1
Seattle, WA, Seattle-Tacoma Intl, RNAV (GPS) RWY 34L, Orig
Seattle, WA, Seattle-Tacoma Intl, RNAV (GPS) RWY 34R, Amdt 1
Seattle, WA, Seattle-Tacoma Intl, Takeoff Minimums and Obstacle DP, Amdt 4
Seattle, WA, Seattle-Tacoma Intl, VOR/DME RWY 16L/C, Amdt 14
Seattle, WA, Seattle-Tacoma Intl, VOR/DME RWY 34C, Amdt 1
La Crosse, WI, La Crosse Muni, ILS OR LOC RWY 18, Amdt 19
La Crosse, WI, La Crosse Muni, NDB RWY 18, Amdt 19
La Crosse, WI, La Crosse Muni, VOR RWY 13, Amdt 30
La Crosse, WI, La Crosse Muni, VOR RWY 36, Amdt 31

Effective 18 DEC 2008

Somerville, NJ, Somerset, Takeoff Minimums and Obstacle DP, Amdt 3

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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

(1) TAKEOFF MINIMUMS:

RWY 5, 23 STANDARD.

(2) TEXTUAL DEPARTURE PROCEDURE:

(3) TAKEOFF OBSTACLE NOTES: NOTE: RWY 5, NUMEROUS TREES LEFT AND RIGHT OF CENTERLINE BEGINNING 2' FROM DER UP TO 100' AGL/1399' MSL. NOTE: RWY 23, NUMEROUS TREES LEFT AND RIGHT OF CENTERLINE BEGINNING 38' FROM DER UP TO 100' AGL/1359' MSL.

(4) CONTROLLING OBSTACLES:

(5) City, State CLINTON, AR	(6) Airport HOLLEY MOUNTAIN AIRPARK	(7) Effective Date NOV 20 2008	(8) Amdt. No. ORIG

QUALITY
2
CHECKED

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION		LDA/DME - STANDARD INSTRUMENT APPROACH PROCEDURE FAR PART 97.25		Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.											
TERMINAL ROUTES				MISSED APPROACH											
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LDA/GS: DA LDA: IVOY/0.29 DME CLIMB TO 2200 THEN CLIMBING LEFT TURN TO 4000 VIA HEADING 245 AND DAK R-246 TO SUMMO INT AND HOLD; OR WHEN DIRECTED BY ATC, CLIMB TO 2200 THEN CLIMBING LEFT TURN TO 4000 VIA HEADING 245 AND DAK R-246 TO SUMMO/12.35 DME AND HOLD SW, RT, 066.34 INBOUND. ADDITIONAL FLIGHT DATA: HOLD NE, RT, 220.66 INBOUND. CHART FAS OBST: 1699 TREE 355703N/0940915W CHART IN PLANVIEW: SUMMO/12.35 DME. CHART: ASR CHART FINAL APPROACH AIMING POINT AT THRESHOLD. FAC CROSSES RWY C/L AT RWY 34 THLD. CHART ALTERNATE MISSED APPROACH HOLDING, HOLD SW SUMMO, RT, 066.34											
RZC VORTAC	TRIUM/4.59 DME	181.25 / 19.81	4500												
FSM VORTAC	GERTE/I-LFH 12.05 DME	007.41 / 25.05	4000												
GERTE/I-LFH 12.05 DME (IF/IAF)	AWEMO/I-LFH 6.95 DME (NOPT)	349.45 / 5.10 (I-LFH)	4000												
1. PT <u>R</u> SIDE OF COURSE <u>169.45</u> OUTBOUND <u>4500</u> FT WITHIN <u>10</u> MILES OF <u>TRIUM</u> (IAF) 2. _____ 3. FAC: <u>349.45</u> FAF: <u>AWEMO/I-LFH 6.95 DME</u> DIST FAF TO MAP: <u>-</u> THLD: <u>7.16</u> 4. MIN. ALT: <u>AWEMO/I-LFH 6.95 DME 4000, TRIUM/4.59 DME 3000*, OLEXE/2.64 DME 2380*</u> 5. DIST TO THLD FROM OM: <u>-</u> MM: <u>-</u> IM: <u>-</u> 150 HAT: <u>-</u> 100 HAT: <u>-</u> GS ANT: <u>943</u> 6. MIN GS INCPT: <u>4000</u> GS ALT AT: <u>AWEMO/I-LFH 6.95 DME 4000</u> OM: <u>-</u> MM: <u>-</u> IM: <u>-</u> 7. GS ANGLE: <u>3.50</u> TCH: <u>57.7</u> 8. MSA FROM: <u>DAK VOR/DME 090-180 4500, 180-090 3600</u>				MAG VAR: 5E EPOCH YEAR: 1985											
MINIMUMS															
TAKEOFF: ☐ STANDARD ☒ X SEE FAA FORM 8260-15A FOR THIS AIRPORT		ALTERNATE: N A		LDA/GS: # LDA: 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-LDA/GS 34	1589	1 1/4	348	1589	1 1/4	348	1589	1 1/4	348		NA				
S-LDA 34	2000	1 1/4	759	2000	1 1/2	759	2000	2 1/2	759		NA				
CIRCLING	2000	1 1/4	749	2000	1 1/2	749	2000	2 1/2	749		NA				
NOTES: CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY. CHART NOTE: CIRCLING NA E OF RWY 16-34. CHART NOTE: GLIDE SLOPE PROVIDED BY STANDARD GLIDE SLOPE EQUIPMENT. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. SEE 8260-10															
CITY AND STATE		ELEVATION: 1251 TDZE: 1241		FACILITY IDENTIFIER: I-LFH		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:					
FAYETTEVILLE, AR		AIRPORT NAME: DRAKE FIELD				LDA/DME RWY 34, AMDT 3 NOV 20 2008				AMDT: 2A					
										DATED 05/21/1998					

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION				RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE 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.									
TERMINAL ROUTES										MISSED APPROACH							
FROM		TO		COURSE AND DISTANCE			ALTITUDE		LNAV: RW16 CLIMB TO 4500 DIRECT PAKUE AND HOLD. ADDITIONAL FLIGHT DATA: HOLD S, RT, 343.98 INBOUND. CHART FAS OBST: 1639 TREE 360057N/0941103W OSETE TO RW16: 3.04/50. CHART: ASR								
HUSBA (IAF)		TEXUE (NOPT) (FB)		253.98 / 5.00			3000										
JAVMI (IAF)		TEXUE (NOPT) (FB)		073.86 / 5.00			3000										
TEXUE (IF/IAF)		OSETE (FB)		163.92 / 7.04			2900										
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD N TEXUE, RT, 163.92 INBOUND, 3000 FT. IN LIEU OF PT (IAF) 3. FAC: 163.94 FAF: OSETE DIST FAF TO MAP: 4.96 THLD: 4.96 4. MIN. ALT: TEXUE 3000, OSETE 2900, ZABKO/2.30 NM TO RW16 2040 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: _____ GS ALT AT: _____ OM: _____ MM: _____ IM: _____ 7. GS ANGLE: _____ TCH: 34:1 IS NOT CLEAR 8. MSA FROM: _____										MAG VAR: 5E		EPOCH YEAR: 1985					
MINIMUMS																	
TAKEOFF:		STANDARD		☒		SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE: N A		STANDARD @					
CATEGORY =====>		A			B			C			D			E			
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA		
LNAV MDA	1920	1	669	1920	1	669	1920	1 3/4	669	1920	2	669					
CIRCLING	2000	1	749	2000	1 1/4	749	2000	2 1/4	749	2260	3	1009					
NOTES: CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY. CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE SPRINGDALE ALTIMETER SETTING AND SEE 8260-10 CITY AND STATE FAYETTEVILLE, AR ELEVATION: 1251 TDZE: 1251 AIRPORT NAME: DRAKE FIELD FACILITY IDENTIFIER: RNAV PROCEDURE NO./AMD NO./EFFECTIVE DATE: RNAV (GPS) RWY 16, ORIG NOV 20 2008 SUP: AMDT: NONE DATED																	

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - 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.

NOTES CONT.

INCREASE ALL MDA 40 FEET. INCREASE LNAV CAT C/D VISIBILITY 1/4 MILE.

CHART NOTE: CIRCLING NA E OF RWY 16-34

TAA

	FROM	TO	ALT
1.	074/30 CW 254/30 (NOPT)	074/15 CW 254/15	3300
	074/15 CW 254/15	TEXUE (IF/IAF) (FB)	3000
2.	254/30 CW 344/30	HUSBA (IAF) (FB)	4500
3.	344/30 CW 074/30	JAVMI (IAF) (FB)	3600

CITY AND STATE

FAYETTEVILLE, AR

ELEVATION: 1251 TDZE: 1251

AIRPORT NAME:

DRAKE FIELD

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:

RNAV (GPS) RWY 16, ORIG

NOV 20 2008

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.

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
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.

ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	HUSBA	HUSBA	010	IAF	IF		FB				
	HUSBA	TEXUE	020		TF		FB	1.0	254.0 (259T)	005.0	03000
	JAVMI	JAVMI	010	IAF	IF		FB				
	JAVMI	TEXUE	020		TF		FB	1.0	073.9 (079T)	005.0	03000
	TEXUE	TEXUE	010		HF	R	FB		163.9 (169T)	005.0	03000
		TEXUE	010	FACF	IF		FB				03000
		OSETE	020	FAF	TF		FB	0.5	163.9 (169T)	007.0	02900
		ZABKO	021	SDF	TF		FB	0.3	163.9 (169T)	002.7	02040
		RW16	030	MAP	TF		FO	0.3	163.9 (169T)	002.3	01300

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	PAKUE	040		TF		FO	1.0			04500
	PAKUE	050		HM	R	FO	2.0	344.0 (349T)	005.0	04500

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	HUSBA	N361332.69	W0940705.87	N3613.545	W09407.098
	JAVMI	N361137.22	W0941913.48	N3611.620	W09419.225
	OSETE	N360539.73	W0941129.53	N3605.662	W09411.492
	PAKUE	N354615.32	W0940650.20	N3546.255	W09406.837
	TEXUE	N361235.11	W0941309.75	N3612.585	W09413.163
	ZABKO	N360303.12	W0941051.83	N3603.052	W09410.864
	RW16	N360047.48	W0941019.21	N3600.791	W09410.320

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW16	01250	50

CITY AND STATE
FAYETTEVILLE, AR

ELEVATION: 1251 TDZE: 1251
 AIRPORT NAME:
DRAKE FIELD

FACILITY IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 16, ORIG
NOV 20 2008

SUP:
 AMDT: **NONE**
 DATED:

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION	RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE 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.

TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
OLBAE (IAF)	PAKUE (NOPT) (FB)	254.04 / 5.00	4500	LNAV: RW34 CLIMB TO 3000 DIRECT TEXUE AND HOLD. ADDITIONAL FLIGHT DATA: HOLD N, RT, 163.92 INBOUND. CHART FAS OBST: 1919 TREE 355700N/0940849W HEVBO TO RW34: 3.06/58 CHART: ASR
WIDSO (IAF)	PAKUE (NOPT) (FB)	073.92 / 5.00	4500	
PAKUE (IF/IAF)	HEVBO (FB)	343.98 / 6.10	3800	

1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)	
2. HOLD S PAKUE, RT, 343.98 INBOUND, 4500 FT. IN LIEU OF PT (IAF)	
3. FAC: <u>343.97</u> FAF: <u>HEVBO</u>	DIST FAF TO MAP: <u>7.70</u> THLD: <u>7.70</u>
4. MIN. ALT: <u>HEVBO 3800, JUMPU/4.61 NM TO RW34 2780, JENOL/3.38 NM TO RW34 2380</u>	
5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____	
6. MIN GS INCPT: _____ GS ALT AT: _____ OM: _____ MM: _____ IM: _____	
7. GS ANGLE: _____ TCH: <u>34:1 IS NOT CLEAR</u>	
8. MSA FROM: _____	

MAG VAR: 5E
EPOCH YEAR: 1985

MINIMUMS																
TAKEOFF:		STANDARD	X	SEE FAA FORM 8260-15A	FOR THIS AIRPORT	ALTERNATE: N A										@
CATEGORY =====>	A			B			C			D			E			
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	
LNAV MDA	2180	1 1/4	939	2180	1 1/4	939	2180	2 3/4	939	2180	3	939				
CIRCLING	2180	1 1/4	929	2180	1 1/4	929	2180	2 3/4	929	2260	3	1009				

NOTES:
 CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY.
 CHART NOTE: DME/DME RNP-0.3 NA.
 CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
 CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT.
 SEE 8260-10

@ CAT A, B 1000-2, CAT C 1000-2 3/4, CAT D 1100-3
 @ NA WHEN LOCAL WEATHER NOT AVAILABLE.

CITY AND STATE	ELEVATION: 1251 TDZE: 1241	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
FAYETTEVILLE, AR	AIRPORT NAME:	RNAV	RNAV (GPS) RWY 34, ORIG	AMDT: NONE
	DRAKE FIELD		NOV 20 2008	DATED

RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - 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.

NOTES CONT.

CHART NOTE: CIRCLING NA E RWYS 16-34

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE SPRINGDALE ALTIMETER SETTING AND INCREASE ALL MDA 40 FEET AND LNAV AND CIRCLING CAT C VISIBILITY 1/4 MILE.

TAA

	FROM	TO	ALT
1.	254/30 CW 074/30 (NOPT)	PAKUE (IF/IAF) (FB)	4500
2.	074/30 CW 164/30	WIDSO (IAF) (FB)	4500
3.	164/30 CW 254/30	OLBAE (IAF) (FB)	4500

CITY AND STATE

FAYETTEVILLE, AR

ELEVATION: 1251 TDZE: 1241

AIRPORT NAME:

DRAKE FIELD

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 34, ORIG

NOV 20 2008

SUP:

AMDT: NONE

DATED:

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.

ARINC PACKET - 424-18

[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KFYVK4FR34	AOLBAE	010OLBAEK4EA0E	A	IF					18000		A	JS
SUSAP	KFYVK4FR34	AOLBAE	020PAKUEK4EA0EE		010TF		25400050	+	04500			A	JS
SUSAP	KFYVK4FR34	APAKUE	010PAKUEK4EA0EE	CR	HF		34400050	+	04500	18000		A	JS
SUSAP	KFYVK4FR34	AWIDSO	010WIDSOK4EA0E	A	IF					18000		A	JS
SUSAP	KFYVK4FR34	AWIDSO	020PAKUEK4EA0EE		010TF		07390050	+	04500			A	JS
SUSAP	KFYVK4FR34	R	010PAKUEK4EA0E	I	IF			+	04500	18000		A	JS
SUSAP	KFYVK4FR34	R	020HEVBOK4EA1E	F	051TF		34400061	+	03800			A	JS
SUSAP	KFYVK4FR34	R	020HEVBOK4EA2WN			N	ALNAV						JS
SUSAP	KFYVK4FR34	R	021JUMPUK4EA0E	S	031TF		34400031	V	0278002793		-306	A	JS
SUSAP	KFYVK4FR34	R	022JENOLK4EA0E	S	031TF		34400012	V	0238002393		-306	A	JS
SUSAP	KFYVK4FR34	R	030RW34	K4PGOGY	M	031TF	34400034		01295		-306	A	JS
SUSAP	KFYVK4FR34	R	040TEXUEK4EA0EYM		010TF			+	03000			A	JS
SUSAP	KFYVK4FR34	R	050TEXUEK4EA0EE		HR020HM		16390050	+	03000			A	JS

[illegible]

CITY AND STATE
FAYETTEVILLE, AR

ELEVATION: 1251 TDZE: 1241
AIRPORT NAME:
DRAKE FIELD

FACILITY IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 34, ORIG

NOV 20 2008

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

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are 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 FLIGHT INSPECTION SUMMARY - VERSION 424-18

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	OLBAE	OLBAE	010	IAF	IF		FB				
	OLBAE	PAKUE	020		TF		FB	1.0	254.0 (259T)	005.0	04500
	PAKUE	PAKUE	010		HF	R	FB		344.0 (349T)	005.0	04500
	WIDSO	WIDSO	010	IAF	IF		FB				
	WIDSO	PAKUE	020		TF		FB	1.0	073.9 (079T)	005.0	04500
		PAKUE	010	FACF	IF		FB				04500
		HEVBO	020	FAF	TF		FB	0.5	344.0 (349T)	006.1	03800
		JUMPU	021	SDF	TF		FB	0.3	344.0 (349T)	003.1	02780
		JENOL	022	SDF	TF		FB	0.3	344.0 (349T)	001.2	02380
		RW34	030	MAP	TF		FO	0.3	344.0 (349T)	003.4	01295

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	TEXUE	040		TF		FO	1.0			03000
	TEXUE	050		HM	R	FO	2.0	163.9 (169T)	005.0	03000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	HEVBO	N355215.01	W0940816.23	N3552.250	W09408.271
	JENOL	N355630.08	W0940917.38	N3556.501	W09409.290
	JUMPU	N355517.61	W0940900.00	N3555.294	W09409.000
	OLBAE	N354712.60	W0940048.26	N3547.210	W09400.804
	PAKUE	N354615.32	W0940650.20	N3546.255	W09406.837
	TEXUE	N361235.11	W0941309.75	N3612.585	W09413.163
	WIDSO	N354517.74	W0941251.99	N3545.296	W09412.867
	RW34	N355949.20	W0941005.20	N3559.820	W09410.087

RUNWAY DATA	THRESHOLD	ELEVATION	TCH
RW34	01237		58

CITY AND STATE
FAYETTEVILLE, AR

ELEVATION: 1251 TDZE: 1241
 AIRPORT NAME:
DRAKE FIELD

FACILITY
 IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 34, ORIG
NOV 20 2008

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.

1. PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)
2.	HOLD NW DAK VOR/DME, RT, 139.00 INBOUND, 3100 FT. IN LIEU OF PT (IAF)				
3. FAC	139.00	FAF DAK VOR/DME	DIST FAF TO MAP		2.17 THLD 2.17
4. MIN. ALT	DAK VOR/DME 2800				
8. MSA FROM:	DAK VOR/DME 090-180 4500, 180-090 3600				

MAG VAR: 7E
EPOCH YEAR: 1965

[illegible]

@ CAT C 800-2 1/4, CAT D 1100-3
@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

PAGE 1 OF 1 PAGES

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION		ILS - STANDARD INSTRUMENT APPROACH PROCEDURE FAR PART 97.29		Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.	
TERMINAL ROUTES				MISSED APPROACH	
FROM	TO	COURSE AND DISTANCE	ALTITUDE	ILS: DA	
COUPS/SAC 9.00 DME (IAF)	TERUY/SAC 6.12 DME	334.00 / .24 (HDG) & 019.11 / 2.71	2000	LOC: 4.40 MILES AFTER SAC VORTAC OR AT SAC 4.40 DME FIX	
TERUY/SAC 6.12 DME (IF)	SAC VORTAC (NOPT)	019.11 / 6.12	1500	CLIMB TO 500 THEN CLIMBING LEFT TURN TO 1600 DIRECT SAC VORTAC AND HOLD; OR WHEN DIRECTED BY ATC, CLIMB TO 500 THEN CLIMBING LEFT TURN TO 1600 DIRECT SA LOM AND HOLD S, RT, 019.11 INBOUND (ADF REQUIRED).	
				ADDITIONAL FLIGHT DATA: CHART FAS OBST: 107 TREE 382951N/1213013W CHART IN PLANVIEW: SA LOM. CHART (UBIYI) AT INTERSECTION OF DR LEG AND INTERMEDIATE COURSE	
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD S SAC VORTAC, RT, 016.01 INBOUND, 1500 FT. IN LIEU OF PT (IAF) 3. FAC: 019.11 FAF: SAC VORTAC DIST FAF TO MAP: 4.40 THLD: 4.40 4. MIN. ALT: SAC VORTAC 1500 5. DIST TO THLD FROM OM: _____ - MM: 0.52 IM: _____ - 150 HAT: _____ - 100 HAT: _____ - GS ANT: 1085 6. MIN GS INCPT: 1500 GS ALT AT: SAC VORTAC 1493 OM: _____ - MM: 240 IM: _____ 7. GS ANGLE: 3.00 TCH: 57.3 8. MSA FROM: SAC VORTAC 110-200 3100, 200-290 4100, 290-110 2700					
				MAG VAR: 14E EPOCH YEAR: 2010	
MINIMUMS					
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N/A	ILS: STANDARD #
			LOC: STANDARD @		
CATEGORY ==>	A		B		C
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS
S-ILS 2	221	3/4	200	221	3/4
S-LOC 2	360	3/4	339	360	3/4
CIRCLING	500	1	476	520	1 1/2
NOTES: CHART NOTE: FOR INOPERATIVE MALSR, WHEN USING LOCAL ALTIMETER SETTING, INCREASE S-LOC 2 ALL CATS VISIBILITY TO 1 MILE, WHEN USING SACRAMENTO INTL ALTIMETER SETTING INCREASE S-LOC 2 CAT D VISIBILITY TO 1 1/4 MILE. CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO S-ILS 2. SEE 8260-10					
CITY AND STATE		ELEVATION: 24 TDZE: 21		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	
SACRAMENTO, CA		AIRPORT NAME:		ILS OR LOC RWY 2, AMDT 23	
		SACRAMENTO EXECUTIVE		20 NOV 2008	
				SUP:	
				AMDT: 22D	
				DATED 05/08/2008	

 QUALITY
CHECKED

ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.29

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

NOTES CONT.

CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE SACRAMENTO INTL ALTIMETER SETTING AND INCREASE ALL DA/MDA 40 FEET.

CITY AND STATE

SACRAMENTO, CA

ELEVATION: 24

TDZE: 21

AIRPORT NAME:

SACRAMENTO EXECUTIVE

FACILITY
IDENTIFIER:

I-SAC

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

ILS OR LOC RWY 2, AMDT 23

20 NOV 2008

SUP:

AMDT: 22D

DATED: 05/08/2008

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

**RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE
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.

TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
EMBER (IAF)	JIRAG (FB)	049.52 / 10.74	2000	LPV: DA LNAV/VNAV: DA LNAV: RW02 CLIMB TO 3000 DIRECT HOGBI AND VIA 027.48 TRACK TO ROZZY AND HOLD. ADDITIONAL FLIGHT DATA: HOLD SW, RT, 024.00 INBOUND. CHART FAS OBST: 107 TREE 382951N/1213013W CHART FAS OBST: 205 T-L TWR 382800N/1213021W DISTANCE TO THLD FROM 200 HAT: 0.46 NM. CHART VDP AT 1.15 MILES TO RW02* *LNAV ONLY. WAAS CHANNEL # 62810 REFERENCE PATH ID: W02A
COUPS (IAF)	JIRAG (FB)	015.66 / 2.98	2000	
VISTO (IAF)	JIRAG (FB)	348.17 / 9.92	2000	
JIRAG (IF)	SEBAE (FB)	019.04 / 6.00	1500	

1. PT NA SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
2. PROFILE STARTS AT JIRAG
3. FAC: 019.08 FAF: SEBAE DIST FAF TO MAP: 4.42 THLD: 4.42
4. MIN. ALT: JIRAG 2000, SEBAE 1500
5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
6. MIN GS INCPT: 1500 GS ALT AT: SEBAE 1500 OM: MM: IM:
7. GS ANGLE: 3.00 TCH: 57.3 34:1 IS NOT CLEAR
8. MSA FROM: RW02 3900

MAG VAR: 14E EPOCH YEAR: 2010

MINIMUMS															
TAKEOFF:	STANDARD	X	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	221	3/4	200	221	3/4	200	221	3/4	200	221	3/4	200			
LNAV/VNAV DA	373	3/4	352	373	3/4	352	373	3/4	352	373	3/4	352			
LNAV MDA	440	3/4	419	440	3/4	419	440	3/4	419	440	1	419			
CIRCLING	500	1	476	520	1	496	520	1 1/2	496	580	2	556			

NOTES:
CHART NOTE: FOR INOPERATIVE MALSR, WHEN USING LOCAL ALTIMETER SETTING, INCREASE LNAV CATS A, B VISIBILITY TO 1 MILE AND CAT D TO 1 1/4. © NA WHEN LOCAL WEATHER NOT AVAILABLE.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 48C (118F).
CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO LPV.
SEE 8260-10

CITY AND STATE SACRAMENTO, CA	ELEVATION: 24 TDZE: 21 AIRPORT NAME: SACRAMENTO EXECUTIVE	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 2, ORIG 20 NOV 2008	SUP:
				AMDT: NONE
				DATED

**RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - 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.

NOTES CONT.**CHART NOTE: DME/DME RNP-0.3 NA.****CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.****CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT EMBER VIA V150 SOUTHWEST BOUND, AT COUPS VIA V6 SOUTHBOUND AND AT VISTO VIA V334-392 SOUTHBOUND.****CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE SACRAMENTO INTL ALTIMETER SETTING AND INCREASE ALL DA/MDA 40 FEET. CHART NOTE: VDP AND BARO-VNAV NA WHEN USING SACRAMENTO INTL ALTIMETER SETTING.**

CITY AND STATE

SACRAMENTO, CA

ELEVATION: 24

TDZE: 21

AIRPORT NAME:

SACRAMENTO EXECUTIVE

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 2, ORIG

20 NOV 2008

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	KSAC
RUNWAY	RW02
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W02A
LTP/FTP LATITUDE	383018.7200N
LTP/FTP LONGITUDE	1213002.6200W
LTP/FTP ELLIPSOIDAL HEIGHT	-00256
FPAP LATITUDE	383105.0200N
FPAP LONGITUDE	1212924.1900W
THRESHOLD CROSSING HEIGHT (TCH)	00057.3
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	105.25
LENGTH OFFSET	0024
HORIZONTAL ALERT LIMIT (HAL)	35.0
VERTICAL ALERT LIMIT (VAL)	40.0

CRC REMAINDER

0FDE36C7

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K2
LTP ORTHOMETRIC HEIGHT	+00053
FPAP ORTHOMETRIC HEIGHT	+00053

CITY AND STATE

SACRAMENTO, CA

ELEVATION: 24

TDZE: 21

AIRPORT NAME:

SACRAMENTO EXECUTIVE

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 2, ORIG

20 NOV 2008

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]

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]

CITY AND STATE SACRAMENTO, CA	ELEVATION: 24 TDZE: 21 AIRPORT NAME: SACRAMENTO EXECUTIVE	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 2, ORIG 20 NOV 2008	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

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are 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 FLIGHT INSPECTION SUMMARY - VERSION 424-18

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	COUPS	COUPS	010	IAF	IF		FB				
	COUPS	JIRAG	020		TF		FB	1.0	015.7 (030T)	003.0	02000
	EMBER	EMBER	010	IAF	IF		FB				
	EMBER	JIRAG	020		TF		FB	1.0	049.5 (064T)	010.7	02000
	VISTO	VISTO	010	IAF	IF		FB				
	VISTO	JIRAG	020		TF		FB	1.0	348.2 (002T)	009.9	02000
		JIRAG	010	FACF	IF		FB				02000
		SEBAE	020	FAF	TF		FB	0.5	019.0 (033T)	006.0	01500
		RW02	030	MAP	TF		FO	0.3	019.1 (033T)	004.4	00075

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	HOGBI	040		DF		FB	1.0			
	ROZZY	050		TF		FO	1.0	027.5 (042T)		03000
	ROZZY	060		HM	R	FO	2.0	024.0 (038T)	004.0	03000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	COUPS	N381858.58	W1213909.44	N3818.976	W12139.157
	EMBER	N381647.10	W1214930.52	N3816.785	W12149.509
	HOGBI	N383430.21	W1212633.65	N3834.504	W12126.561
	JIRAG	N382134.22	W1213716.87	N3821.570	W12137.281
	ROZZY	N384442.45	W1211501.75	N3844.708	W12115.029
	SEBAE	N382636.26	W1213307.06	N3826.604	W12133.118
	VISTO	N381138.70	W1213745.54	N3811.645	W12137.759
	RW02	N383018.72	W1213002.62	N3830.312	W12130.044

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW02	00018	57

CITY AND STATE
SACRAMENTO, CA

ELEVATION: 24 TDZE: 21
 AIRPORT NAME:
SACRAMENTO EXECUTIVE

FACILITY
 IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 2, ORIG
20 NOV 2008

SUP:
 AMDT: **NONE**
 DATED:

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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

(1) TAKEOFF MINIMUMS:

RWY 2, 12, 16, 20, 30, 34 STANDARD.

(2) TEXTUAL DEPARTURE PROCEDURE:

(3) TAKEOFF OBSTACLE NOTES:

NOTE: RWY 2, MULTIPLE TREES 1128' FROM DER, 108' LEFT OF CENTERLINE, UP TO 76' AGL/96' MSL. ANTENNA 1376' FROM DER, 663' LEFT OF CENTERLINE, 51' AGL/71' MSL. TREES 1858' FROM DER, 137' RIGHT OF CENTERLINE, 73' AGL/93' MSL.

NOTE: RWY 12, MULTIPLE TREES 518' FROM DER, 26' LEFT OF CENTERLINE, UP TO 83' AGL/98' MSL. LIGHT POLE 507' FROM DER, 336' LEFT OF CENTERLINE, 37' AGL/52' MSL. TRMSN POLE 3971' FROM DER 647' LEFT OF CENTERLINE, 130' AGL/154' MSL. MULTIPLE TREES 475' FROM DER, 476' RIGHT OF CENTERLINE UP TO 97' AGL/112' MSL. LIGHT POLES 711' FROM DER, 241' RIGHT OF CENTERLINE, 36' AGL/51' MSL.

NOTE: RWY 16, LT POLE 22' FROM DER, 481' LEFT OF CENTERLINE, 38' AGL/53' MSL. ANTENNA 540' FROM DER, 516' LEFT OF (Continued)

(4) CONTROLLING OBSTACLES:

(5) City, State

SACRAMENTO, CA

(6) Airport

SACRAMENTO EXECUTIVE

(7) Effective Date
20 NOV 2008

(8) Amdt. No.
ORIG

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
DEPARTURE PROCEDURE (CONTINUATION FAA FORM 8260-15A
FLIGHT STANDARDS SERVICE

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

(3) TAKEOFF OBSTACLE NOTES: (CONT'D)

CENTERLINE, 53' AGL/67' MSL. MULTIPLE TREES BEGINNING 1317' FROM DER, 36' LEFT OF CENTERLINE, UP TO 78' AGL/88' MSL. MULTIPLE TREES BEGINNING 588' FROM DER, 195' RIGHT OF CENTERLINE, UP TO 67' AGL/77' MSL.

NOTE: RWY 20, MULTIPLE TREES BEGINNING 850' FROM DER, 626' LEFT OF CENTERLINE, UP TO 92' AGL/107' MSL. MULTIPLE TREES BEGINNING 714' FROM DER, 515' RIGHT OF CENTERLINE, UP TO 66' AGL/81' MSL.

NOTE: RWY 30, OBSTRUCTION LIGHT ON HANGERS 460' FROM DER, 360' RIGHT OF CENTERLINE, 25' AGL/43' MSL. MULTIPLE TREES BEGINNING 631' FROM DER, 195' RIGHT OF CENTERLINE, UP TO 56' AGL/74' MSL. MULTIPLE TREES BEGINNING 1331' FROM DER, 247' LEFT OF CENTERLINE, UP TO 90' AGL/110' MSL. ANTENNA ON BLDG 1543' FROM DER, 442' LEFT OF CENTERLINE, 47' AGL/67' MSL.

NOTE: RWY 34, TREES 1724' FROM DER, 854' LEFT OF CENTERLINE, 56' AGL/74' MSL. TREE 2233' FROM DER, 1062' RIGHT OF CENTERLINE, 79' AGL/99' MSL.

City, State SACRAMENTO, CA		Airport SACRAMENTO EXECUTIVE		Effective Date 20 NOV 2008	Amdt. No. ORIG
DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION VOR STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICE - FAR PART 97.23					Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.										
TERMINAL ROUTES					MISSED APPROACH										
FROM	TO	COURSE AND DISTANCE	ALTITUDE	MAP: 4.40 MILES AFTER SAC VORTAC OR AT SAC 4.40 DME FIX CLIMBING LEFT TURN TO 1600 DIRECT SAC VORTAC AND HOLD. ADDITIONAL FLIGHT DATA: CHART FAS OBST: 205 T-L TWR 382800N/1213021W CHART VDP AT 3.02 DME; DISTANCE VDP TO THLD 1.38 MILES. SAC VORTAC TO RW02: 3.06/55. CHART TDZE: 21											
COUPS/SAC 9.00 DME (IF/IAF)	SAC VORTAC (NOPT)	015.00 / 9.00	1500												
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. HOLD S SAC VORTAC, RT, 016.01 INBOUND, 1500 FT. IN LIEU OF PT (IAF) 3. FAC 016.01 FAF SAC VORTAC <u> </u> DIST FAF TO MAP <u>4.40</u> THLD <u>4.40</u> 4. MIN. ALT SAC VORTAC 1500 8. MSA FROM: SAC VORTAC 110-200 3100, 200-290 4100, 290-110 2700					MAG VAR: 17E EPOCH YEAR: 1980										
MINIMUMS															
TAKEOFF: <u> </u>	STANDARD <u> </u>	X <u> </u>	SEE FAA FORM 8260-15A FOR THIS AIRPORT			ALTERNATE: N A <u> </u>		STANDARD @ <u> </u>							
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-2	520	3/4	499	520	3/4	499	520	3/4	499	520	1	499			
CIRCLING	520	1	496	520	1	496	520	1 1/2	496	580	2	556			
NOTES: CHART NOTE: FOR INOPERATIVE MALSR, INCREASE S-2 CATS A, B VISIBILITY TO 1 MILE. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE SACRAMENTO INTL ALTIMETER SETTING AND INCREASE ALL MDA 40 FEET AND S-2 CATS C, D VISIBILITIES 1/4 MILE. CHART NOTE: VDP NA WHEN USING SACRAMENTO INTL ALTIMETER SETTING.															
CITY AND STATE SACRAMENTO, CA		ELEVATION: 24 TDZE: 21 AIRPORT NAME: SACRAMENTO EXECUTIVE		FACILITY IDENTIFIER: SAC		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: VOR RWY 2, AMDT 10 20 NOV 2008				SUP VOR OR GPS RWY 2 AMDT 9 DATE 12/25/2003					

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

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.

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: _____

STANDARD _____

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:

20 NOV 2008

PROCEDURE CANCELED EFFECTIVE _____

CITY AND STATE

SAN DIEGO/EL CAJON, CA

ELEVATION: 388

TDZE: 379

AIRPORT NAME:

GILLESPIE FIELD

FACILITY

IDENTIFIER:

GPS

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

GPS RWY 17, ORIG-A, 04/10/2008

SUP

AMDT

ORIG

DATE

11/06/1997

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE
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.

TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
ROBNN (IAF)	ASIXY (FB)	166.36 / 8.04	5000	LNAV: HIRAK
ASIXY (IF)	JUGAL (FB)	136.59 / 10.00	2400	
				CLIMBING RIGHT TURN TO 3000 DIRECT TOCOD AND HOLD.
				ADDITIONAL FLIGHT DATA: HOLD W, RT, 090.00 INBOUND. FAS OBST: 1359 AAO 325325N/1165826W JUGAL TO RW17: 3.13/43 FAC CROSSES RWY C/L EXTENDED 2990 FROM THLD.

- PT NA SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- PROFILE STARTS AT ASIXY
- FAC: 151.61 FAF: JUGAL DIST FAF TO MAP: 5.51 THLD: 5.99
- MIN. ALT: ASIXY 5000, JUGAL 2400
- DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
- MIN GS INCPT: GS ALT AT: OM: MM: IM:
- GS ANGLE: TCH: 34:1 IS NOT CLEAR
- MSA FROM: HIRAK 7800

MAG VAR: 13E

EPOCH YEAR: 1990

MINIMUMS															
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: NA	@										
CATEGORY	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LNAV MDA	1640	1 1/4	1261	1640	1 1/2	1261	1640	3	1261	1640	3	1261			
CIRCLING	1640	1 1/4	1252	1640	1 1/2	1252	1640	3	1252	1640	3	1252			

NOTES:
 CHART NOTE: WHEN VGSI INOP, PROCEDURE NA AT NIGHT.
 CHART NOTE: CIRCLING NA E OF RWY 17 AND N OF RWY 27R.
 CHART NOTE: DME/DME RNP-0.3 NA.
 CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
 SEE 8260-10

@ CAT A, B 1300-2, CAT C, D 1300-3
 @ NA WHEN LOCAL WEATHER NOT AVAILABLE.

CITY AND STATE SAN DIEGO/EL CAJON, CA	ELEVATION: 388 TDZE: 379 AIRPORT NAME: GILLESPIE FIELD	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 17, ORIG 20 NOV 2008	SUP: AMDT: NONE DATED

QUALITY
2
CHECKED

RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - 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.

NOTES CONT.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE MIRAMAR MCAS ALTIMETER SETTING AND INCREASE ALL MDA 40 FEET.

CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT ROBNN VIA V186 NORTHWEST BOUND.

CITY AND STATE

SAN DIEGO/EL CAJON, CA

ELEVATION: 388 TDZE: 379

AIRPORT NAME:

GILLESPIE FIELD

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 17, ORIG

20 NOV 2008

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]

DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
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.

ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	ROBNN	ROBNN	010	IAF	IF		FB				
	ROBNN	ASIXY	020		TF		FB	1.0	166.4 (179T)	008.0	05000
		ASIXY	010	FACF	IF		FB				05000
		JUGAL	020	FAF	TF		FB	0.5	136.6 (150T)	010.0	02400
		HIRAK	030	MAP	TF		FO	0.3	151.6 (165T)	005.5	00573

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	TOCOD	040		DF	R	FO				03000
	TOCOD	050		HM	R	FO	2.0	090.0 (103T)	004.0	03000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	ASIXY	N330409.42	W1170606.18	N3304.157	W11706.103
	HIRAK	N325011.47	W1165821.14	N3250.191	W11658.352
	JUGAL	N325530.84	W1170005.31	N3255.514	W11700.089
	ROBNN	N331212.52	W1170612.58	N3312.209	W11706.210
	TOCOD	N325158.00	W1171344.00	N3251.967	W11713.733
	RW17	N324941.79	W1165820.91	N3249.697	W11658.349

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW17	00368	43

CITY AND STATE
SAN DIEGO/EL CAJON, CA

ELEVATION: 388 TDZE: 379
 AIRPORT NAME:
GILLESPIE FIELD

FACILITY
 IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 17, ORIG
20 NOV 2008

SUP:
 AMDT: **NONE**
 DATED: **8/2/08**

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
LOC STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.25

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

TERMINAL ROUTES

MISSED APPROACH

FROM	TO	COURSE AND DISTANCE	ALTITUDE	
RYAHH INT (IAF)	DOUGA INT/POGGI 8.89 DME	198.00 / 2.88 (PGY R-018)	5000	MAP: 5.20 MILES AFTER REEBO INT/I-UBR 6.50 DME OR AT I-UBR 1.30 DME FIX
DOUGA INT/POGGI 8.89 DME	VYDDA INT/I-UBR 14.29 DME	198.00 / 4.59 (PGY R-018)	4000	
VYDDA INT/I-UBR 14.29 DME (IF)	OKAIN INT/I-UBR 12.28 DME	272.01 / 2.01 (I-UBR)	3600	CLIMB TO 2500 VIA HEADING 275 AND MZB VORTAC R-255 TO SARGS INT/8.30 DME AND HOLD; OR WHEN DIRECTED BY ATC, CLIMB TO 2500 VIA HEADING 272 FOR RADAR VECTORS.
OKAIN INT/I-UBR 12.28 DME	CIJHI INT/I-UBR 8.43 DME	272.01 / 3.86 (I-UBR)	2400	
CIJHI INT/I-UBR 8.43 DME	REEBO INT/I-UBR 6.50 DME	272.01 / 1.93 (I-UBR)	1800	ADDITIONAL FLIGHT DATA: HOLD W, RT, 074.85 INBOUND. CHART FAS OBST: 389 TREE 324345N/1170929W CHART 803 TOWER 324314N/1170417W. REEBO TO RW27: 3.14/50.

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

2. PROFILE STARTS AT VYDDA

3. FAC 272.01 FAF REEBO INT/I-UBR 6.50 DME DIST FAF TO MAP 5.20 THLD 5.20

4. MIN. ALT VYDDA 4000, OKAIN 3600, CIJHI 2400, REEBO 1800

8. MSA FROM: MZB VORTAC 040-160 5400, 160-310 2100, 310-040 4400

MAG VAR: 14E

EPOCH YEAR: 1980

MINIMUMS

TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: NA	@											
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-27	640	5000	623	640	5000	623	640	1 3/4	623	640	2	623				
CIRCLING	820	1	803	820	1 1/4	803	820	2 1/4	803	820	2 1/2	803				

NOTES:

CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY.

CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT RYAHH VIA V66-460-514 EASTBOUND.

CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT.

@ CAT A, B 900-2, CAT C 900-2 1/4, CAT D 900-2 1/2

CITY AND STATE SAN DIEGO, CA	ELEVATION: 17 TDZE: 17 AIRPORT NAME: SAN DIEGO INTL	FACILITY IDENTIFIER: I-UBR	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: LOC RWY 27, AMDT 3 20 NOV 2008	SUP AMDT 2D DATE 01/20/2005

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE
FAR PART 97.33

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TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
RYAHH (IAF)	VYDDA (FB)	198.07 / 7.47	4000	LNAV: RW27 CLIMB TO 2500 DIRECT SARGS AND HOLD. ADDITIONAL FLIGHT DATA: HOLD W, RT, 092.00 INBOUND. CHART FAS OBST: 502 OL ON BLDG 324306N/1170928W CHART 803 TOWER 324314N/1170417W. REEBO TO RW27: 3.14/50.
LYNDI (IAF)	VYDDA (FB)	235.73 / 2.93	4000	
VYDDA (IF)	OKAIN (FB)	272.15 / 2.01	3600	
OKAIN	CIJHI (FB)	272.12 / 3.86	2400	
CIJHI	REEBO (FB)	272.08 / 1.93	1800	

- PT NA SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- PROFILE STARTS AT VYDDA
- FAC: 272.06 FAF: REEBO DIST FAF TO MAP: 5.20 THLD: 5.20
- MIN. ALT: VYDDA 4000, OKAIN 3600, CIJHI 2400, REEBO 1800
- DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
- MIN GS INCPT: GS ALT AT: OM: MM: IM:
- GS ANGLE: TCH: 34:1 IS NOT CLEAR
- MSA FROM: RW27 5400

MAG VAR: 14E

EPOCH YEAR: 1980

MINIMUMS

TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N A	X											
CATEGORY =====>	A			B			C			D			E			
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	
LNAV MDA	760	5000	743	760	6000	743	760	2 1/4	743	760	2 1/2	743				
CIRCLING	820	1	803	820	1 1/4	803	820	2 1/4	803	820	2 1/2	803				

NOTES:
CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY.
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT RYAHH VIA V66-460-514 EASTBOUND.
CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT.

CITY AND STATE SAN DIEGO, CA	ELEVATION: 17 TDZE: 17 AIRPORT NAME: SAN DIEGO INTL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 27, AMDT 1 20 NOV 2008	SUP:
				AMDT: ORIG
				DATED 11/28/2002

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

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[illegible]

SUSAEAEENRT	CIJHI	K20	C	N32415446W117024306	E0122	NAR	CIJHI
SUSAEAEENRT	LYNDI	K20	W	N32411760W116524750	E0119	NAR	LYNDI
SUSAEAEENRT	OKAIN	K20	C	N32405014W116581960	E0119	NAR	OKAIN
SUSAEAEENRT	REEBO	K20	C	N32422655W117045479	E0121	NAR	REEBO
SUSAEAEENRT	RYAHH	K20	C	L N32463723W116512072	E0119	NAR	RYAHH
SUSAEAEENRT	SARGS	K20	C	N32465419W117232234	E0121	NAR	SARGS
SUSAEAEENRT	VYDDA	K20	C	N32401662W116560260	E0119	NAR	VYDDA

[illegible]

SUSAP KSANK2ASAN	0	094YHN32440080W117112280E014000017	1800018000C	MNAR	SAN DIEGO INTL

[illegible]

SUSAP	KSANK2FR27	ALYNDI	010LYNDIK2EA0E	A	IF				18000		B	JS
SUSAP	KSANK2FR27	ALYNDI	020VYDDAK2EA0EE		010TF		23570029	+	04000		B	JS
SUSAP	KSANK2FR27	ARYAHH	010RYAHHK2EA0E	A	IF				18000		B	JS
SUSAP	KSANK2FR27	ARYAHH	020VYDDAK2EA0EE		010TF		19810075	+	04000		B	JS
SUSAP	KSANK2FR27	R	010VYDDAK2EA0E	I	IF			+	04000	18000	B	JS
SUSAP	KSANK2FR27	R	011OKAINK2EA0E	S	051TF		27220020	+	03600		B	JS
SUSAP	KSANK2FR27	R	012CIJHIK2EA0E	S	051TF		27210039	+	02400		B	JS
SUSAP	KSANK2FR27	R	020REEBOK2EA1E	F	051TF		27210019	+	01800		RW27	K2PGB JS
SUSAP	KSANK2FR27	R	020REEBOK2EA2WN			N	ALNAV					JS
SUSAP	KSANK2FR27	R	030RW27 K2PG0GY	M	031TF		27210052		00065	-314	B	JS
SUSAP	KSANK2FR27	R	040SARGSK2EA0EYM		010DF			+	02500		B	JS
SUSAP	KSANK2FR27	R	050SARGSK2EA0EE		HR020HM		09200040	+	02500		B	JS

[illegible]

SUSAP KSANK2GRW27 0075912720 N32435292W117105025+0000 -0030500015181050200R

[illegible]

DATED: 11/28/2002

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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SUSAP KSANK2SRW27 K2PG

0 18018005425

M

CITY AND STATE
SAN DIEGO, CA

ELEVATION: 17 TDZE: 17
AIRPORT NAME:
SAN DIEGO INTL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 27, AMDT 1
20 NOV 2008

SUP:
AMDT: ORIG
DATED: 11/28/2002

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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ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	LYNDI	LYNDI	010	IAF	IF		FB				
	LYNDI	VYDDA	020		TF		FB	1.0	235.7(250T)	002.9	04000
	RYAHH	RYAHH	010	IAF	IF		FB				
	RYAHH	VYDDA	020		TF		FB	1.0	198.1(212T)	007.5	04000
		VYDDA	010	FACF	IF		FB				04000
		OKAIN	011	SDF	TF		FB	0.5	272.2(286T)	002.0	03600
		CIJHI	012	SDF	TF		FB	0.5	272.1(286T)	003.9	02400
		REEBO	020	FAF	TF		FB	0.5	272.1(286T)	001.9	01800
		RW27	030	MAP	TF		FO	0.3	272.1(286T)	005.2	00065

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	SARGS	040		DF		FO	1.0			02500
	SARGS	050		HM	R	FO	2.0	092.0(106T)	004.0	02500

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CIJHI	N324154.46	W1170243.06	N3241.908	W11702.718
	LYNDI	N324117.60	W1165247.50	N3241.293	W11652.792
	OKAIN	N324050.14	W1165819.60	N3240.836	W11658.327
	REEBO	N324226.55	W1170454.79	N3242.443	W11704.913
	RYAHH	N324637.23	W1165120.72	N3246.621	W11651.345
	SARGS	N324654.19	W1172322.34	N3246.903	W11723.372
	VYDDA	N324016.62	W1165602.60	N3240.277	W11656.043
	RW27	N324352.92	W1171050.25	N3243.882	W11710.838

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW27	00015	50

CITY AND STATE
 SAN DIEGO, CA

ELEVATION: 17 TDZE: 17
 AIRPORT NAME:
 SAN DIEGO INTL

FACILITY IDENTIFIER:
 RNAV

PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:
 RNAV (GPS) RWY 27, AMDT 1
 20 NOV 2008

SUP:
 AMDT: ORIG
 DATED: 11/28/2002

CHECKED

U.S. 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												
OAK VORTAC (40V) (43A)	ARTAQ (TF) (FB) (RNP 1.00) (40E) (41E)	138.62 / 13.89	2800	MAP: DA											
ARTAQ (IF) (40E) (43I)	SUNNE (TF) (FB) (RNP 0.50) (40E) (43F)	122.72 / 6.01	1900												
SUNNE (FAF) (40E) (43F)	RW12R (TF) (FO) (40G) (41Y) (43M)	122.76 / 5.58		CLIMB TO 4600 VIA 122.82 TRACK TO HIVAK AND VIA 120.89 TRACK TO GILRO AND HOLD											
RW12R (MAP) (40G) (41Y) (43M)	HIVAK (TF) (FB) (RNP 1.00) (40E)	122.82 / 9.13													
HIVAK (40E)	GILRO (TF) (FO) (RNP 1.00) (40E) (41E) (43H)	120.89 / 17.22	4600	ADDITIONAL FLIGHT DATA: HOLD NW, LT, 121.54 INBOUND. CHART FAS OBS: 124 ANTENNA 372256N/1215651W DIST TO THLD FROM 393 HAT: 1.08 NM ROUTE TYPE: A, R ROUTE TYPE QUALIFIER 1: P ROUTE TYPE 2: S #TCH: 96.2 MSL (DO NOT CHART)											
1. PT NA SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF) 2. PROFILE STARTS AT ARTAQ 3. FAC: 122.76 FAF: DIST FAF TO MAP: THLD: 4. MIN. ALT: ARTAQ 2800 5. DIST TO THLD FROM OM: 5.58 MM: IM: 150 HAT: 100 HAT: GS ANT: 6. MIN GS INCPT: 1900 GS ALT AT: SUNNE 1900 OM: MM: IM: 7. GS ANGLE: 3.00 TCH: 58.1# 34:1 IS CLEAR 8. MSA FROM: RW12R 5600				MAG VAR: 16E EPOCH YEAR: 1990											
MINIMUMS															
TAKEOFF:	STANDARD	X	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
SPECIAL AIRCRAFT AND AIRCREW AUTHORIZATION REQUIRED															
RNP 0.30 DA	439	1	393	439	1	393	439	1	393	439	1	393			
NOTES: CHART NOTES: GPS REQUIRED. FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW 0C (32F) OR ABOVE 48C (119F). FOR INOPERATIVE MALSR, INCREASE RNP 0.30 VISIBILITY TO 1 1/4 MILE ALL CATS. CHART PLAN VIEW NOTE: PROCEDURE NA FOR ARRIVALS ON OAK VORTAC AIRWAY RADIALS 093 CW 114. CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.															
CITY AND STATE		ELEVATION: 62 TDZE: 46		FACILITY IDENTIFIER:		PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:				SUP:					
SAN JOSE, CA		AIRPORT NAME:		RNAV		20 NOV 2008				AMDT: ORIG					
		NORMAN Y. MINETA SAN JOSE INTL				RNAV (RNP) Z RWY 12R, ORIG-A				DATE 7/31/08					

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE
FAR PART 97.33

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TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
HOLYO	LINVE (FB)	175.02 / 14.84	5500	LNAV: RW17 CLIMB TO 7000 DIRECT WODUG AND HOLD, CONTINUE CLIMB-IN-HOLD TO 7000. ADDITIONAL FLIGHT DATA: HOLD N, RT, 171.81 INBOUND. CHART FAS OBST: 3909 TREE 400844N/1021506W CHART VDP AT 1.39 MILES TO RW17. TECOB TO RW17: 3.04/40.
MCJEF	LINVE (FB)	321.14 / 14.57	5500	
LINVE (IAF)	COLOD (FB)	241.72 / 3.59	5500	
ETUDE (IAF)	COLOD (FB)	077.01 / 7.39	5500	
COLOD (IF)	TECOB (FB)	171.83 / 6.00	5000	

1. PT NA SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
2. PROFILE STARTS AT COLOD
3. FAC: 171.83 FAF: TECOB DIST FAF TO MAP: 3.98 THLD: 3.98
4. MIN. ALT: COLOD 5500, TECOB 5000
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: RW17 5700

MAG VAR: 8E EPOCH YEAR: 2005

MINIMUMS

TAKEOFF: ☐	STANDARD ☒	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N A ☒												
CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LNAV MDA	4160	1	483	4160	1	483	4160	1 1/4	483	4160	1 1/2	483			
CIRCLING	4160	1	483	4160	1	483	4160	1 1/2	483	4240	2	563			

IMPERIAL ALTIMETER SETTING MINIMUMS

LNAV MDA	4320	1	643	4320	1	643	4320	1 3/4	643	4320	2	643			
CIRCLING	4320	1	643	4320	1	643	4320	1 3/4	643	4360	2 1/4	683			

NOTES:

CHART NOTE: DME/DME RNP-0.3 NA.

CHART NOTE: OBTAIN LOCAL ALTIMETER SETTING ON CTAF, WHEN NOT RECEIVED USE IMPERIAL, NE ALTIMETER SETTING.

CHART NOTE: VDP NA WHEN USING IMPERIAL ALTIMETER SETTING.

CITY AND STATE WRAY, CO	ELEVATION: 3677 TDZE: 3677 AIRPORT NAME: WRAY MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 17, AMDT 1 20 NOV 2008	SUP: AMDT: ORIG-A DATED 03/20/2003

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

	1	2	3	4	5	6	7	8	9	0	1	2	3	
WP	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012													
	SUSAEAE	NRT	COLOD	K20	W	N40162757W	102143066		E0076	NAR	COLOD			
	SUSAEAE	NRT	ETUDE	K20	W	L N40154936W	102240754		E0076	NAR	ETUDE			
	SUSAEAE	NRT	HOLYO	K20	C	L N40323225W	102090543		E0076	NAR	HOLYO			
	SUSAEAE	NRT	LINVE	K20	W	L N40174237W	102100665		E0076	NAR	LINVE			
	SUSAEAE	NRT	MCJEF	K30	C	L N40051167W	102002047		E0076	NAR	MCJEF			
	SUSAEAE	NRT	TECOB	K20	W	N40102731W	102142926		E0076	NAR	TECOB			
	SUSAEAE	NRT	WODUG	K20	W	L N40004447W	102142686		E0076	NAR	WODUG			
AIRPORT	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012													
	SUSAP	2V5	K2A2V5	0	054YHN40060144W	102142822E	008003677	1800018000C	MNAR	WRAY MUNICIPAL				
SEGMENT	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012													
	SUSAP	2V5	K2FR17	AETUDE	010ETUDEK2EA0E	A	IF			18000		B	JS	
	SUSAP	2V5	K2FR17	AETUDE	020COLODK2EA0EE		010TF	07700074	+ 05500			B	JS	
	SUSAP	2V5	K2FR17	AHOLYO	010HOLYOK2EA0E		IF			18000		B	JS	
	SUSAP	2V5	K2FR17	AHOLYO	020LINVEK2EA0E	A	020TF	17500148	+ 05500			B	JS	
	SUSAP	2V5	K2FR17	AHOLYO	030COLODK2EA0EE	R	010TFY	24170036	+ 05500			B	JS	
	SUSAP	2V5	K2FR17	AMCJEF	010MCJEFK3EA0E		IF			18000		B	JS	
	SUSAP	2V5	K2FR17	AMCJEF	020LINVEK2EA0E	A	020TF	32110146	+ 05500			B	JS	
	SUSAP	2V5	K2FR17	AMCJEF	030COLODK2EA0EE	L	010TFY	24170036	+ 05500			B	JS	
	SUSAP	2V5	K2FR17	R	010COLODK2EA0E	I	IF		+ 05500	18000		B	JS	
	SUSAP	2V5	K2FR17	R	020TECOBK2EA1E	F	051TF	17180060	+ 05000		RW17	K2PGB	JS	
	SUSAP	2V5	K2FR17	R	020TECOBK2EA2WN		N	ALNAV					JS	
	SUSAP	2V5	K2FR17	R	030RW17	K2PGOGY	M	031TF	17180040	03717	-304		B	JS
	SUSAP	2V5	K2FR17	R	040WODUGK2EA0EYM		010DF		+ 07000				B	JS
	SUSAP	2V5	K2FR17	R	050WODUGK2EA0EE		HR020HM	17180070	+ 07000				B	JS
RUNWAY	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012													
	SUSAP	2V5	K2GRW17	0054001718	N40062812W	102142833	-0700	+1099403677000040075R						

CITY AND STATE WRAY, CO	ELEVATION: 3677 TDZE: 3677 AIRPORT NAME: WRAY MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 17, AMDT 1 20 NOV 2008	SUP:
				AMDT: ORIG-A
				DATED: 03/20/2003

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
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.

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

SUSAP 2V5 K2SRW17 K2PG				0	18018005725							M	

CITY AND STATE
WRAY, CO

ELEVATION: 3677 TDZE: 3677
AIRPORT NAME:
WRAY MUNI

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 17, AMDT 1
20 NOV 2008

SUP:
AMDT: ORIG-A
DATED: 03/20/2003

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
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.

ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	ETUDE	ETUDE	010	IAF	IF		FB				
	ETUDE	COLOD	020		TF		FB	1.0	077.0(085T)	007.4	05500
	HOLYO	HOLYO	010		IF		FB				
	HOLYO	LINVE	020	IAF	TF		FB	2.0	175.0(183T)	014.8	05500
	HOLYO	COLOD	030		TF	R	FB	1.0	241.7(250T)	003.6	05500
	MCJEF	MCJEF	010		IF		FB				
	MCJEF	LINVE	020	IAF	TF		FB	2.0	321.1(329T)	014.6	05500
	MCJEF	COLOD	030		TF	L	FB	1.0	241.7(250T)	003.6	05500
		COLOD	010	FACF	IF		FB				05500
		TECOB	020	FAF	TF		FB	0.5	171.8(180T)	006.0	05000
		RW17	030	MAP	TF		FO	0.3	171.8(180T)	004.0	03717

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	WODUG	040		DF		FO	1.0			07000
	WODUG	050		HM	R	FO	2.0	171.8(180T)	007.0	07000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	COLOD	N401627.57	W1021430.66	N4016.460	W10214.511
	ETUDE	N401549.36	W1022407.54	N4015.823	W10224.126
	HOLYO	N403232.25	W1020905.43	N4032.538	W10209.091
	LINVE	N401742.37	W1021006.65	N4017.706	W10210.111
	MCJEF	N400511.67	W1020020.47	N4005.195	W10200.341
	TECOB	N401027.31	W1021429.26	N4010.455	W10214.488
	WODUG	N400044.47	W1021426.86	N4000.741	W10214.448
	RW17	N400628.12	W1021428.33	N4006.469	W10214.472

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW17	03677	40

CITY AND STATE WRAY, CO	ELEVATION: 3677 TDZE: 3677	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 17, AMDT 1 20 NOV 2008	SUP:
	AIRPORT NAME: WRAY MUNI			AMDT: ORIG-A
				DATED: 03/20/2003

RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE 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.											
TERMINAL ROUTES								MISSED APPROACH							
FROM		TO		COURSE AND DISTANCE		ALTITUDE		LNAV: OKIED							
MCJEF		CEBSU (FB)		197.09 / 13.96		5500		CLIMB TO 6500 DIRECT LINVE AND HOLD. ADDITIONAL FLIGHT DATA: HOLD S, RT, 006.81 INBOUND. CHART FAS OBST: 4153 TOWER 400315N/1021333W CHART 4164 TOWER 400226N/102144W. CHART VDP AT 1.54 MILES TO OKIED. HAGLA TO RW35: 3.05/40 FAC CROSSES RWY C/L EXTENDED 2977 FROM THLD.							
HOLYO		CEBSU (FB)		170.83 / 39.98		5500									
RUDVE (IAF)		GUDSE (FB)		096.70 / 7.63		5500									
CEBSU (IAF)		GUDSE (FB)		276.90 / 8.00		5500									
GUDSE (IF)		HAGLA (FB)		006.79 / 6.00		5400									
1. PT <u>NA</u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. PROFILE STARTS AT GUDSE 3. FAC: <u>006.81</u> FAF: <u>HAGLA</u> DIST FAF TO MAP: <u>4.85</u> THLD: <u>5.32</u> 4. MIN. ALT: <u>GUDSE 5500, HAGLA 5400, CACAT/2.30 NM TO OKIED 4560</u> 5. DIST TO THLD FROM OM: <u> </u> MM: <u> </u> IM: <u> </u> 150 HAT: <u> </u> 100 HAT: <u> </u> GS ANT: <u> </u> 6. MIN GS INCPT: <u> </u> GS ALT AT: <u> </u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u> </u> TCH: <u>34:1 IS CLEAR</u> 8. MSA FROM: <u>OKIED 5700</u>								MAG VAR: 8E EPOCH YEAR: 2005							
MINIMUMS															
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N A	X										
CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LNAV MDA	4320	1	667	4320	1	667	4320	1 3/4	667	4320	2	667			
CIRCLING	4320	1	643	4320	1	643	4320	1 3/4	643	4320	2	643			
IMPERIAL ALTIMETER SETTING MINIMUMS															
LNAV MDA	4460	1	807	4460	1 1/4	807	4460	2 1/4	807	4460	2 1/2	807			
CIRCLING	4460	1	783	4460	1 1/4	783	4460	2 1/4	783	4460	2 1/2	783			
NOTES: CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: OBTAIN LOCAL ALTIMETER SETTING ON CTAF, WHEN NOT RECEIVED USE IMPERIAL, NE ALTIMETER SETTING. CHART NOTE: VDP NA WHEN USING IMPERIAL ALTIMETER SETTING.															
CITY AND STATE		ELEVATION: 3677 TDZE: 3653		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:					
WRAY, CO		AIRPORT NAME: WRAY MUNI				RNAV (GPS) RWY 35, AMDT 1				AMDT: ORIG-A					
						20 NOV 2008				DATED 01/19/2006					

 QUALITY
2
CHECKED

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are 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 2V5 K2FR35	AHOLYO	010HOLYOK2EA0E	IF						18000			B JS	
SUSAP 2V5 K2FR35	AHOLYO	020CEBSUK2EA0E	A 020TF				17080400	+ 05500				B JS	
SUSAP 2V5 K2FR35	AHOLYO	030GUDSEK2EA0EE	R010TFY				27690080	+ 05500				B JS	
SUSAP 2V5 K2FR35	AMCJEF	010MCJEFK3EA0E	IF						18000			B JS	
SUSAP 2V5 K2FR35	AMCJEF	020CEBSUK2EA0E	A 020TF				19710140	+ 05500				B JS	
SUSAP 2V5 K2FR35	AMCJEF	030GUDSEK2EA0EE	R010TFY				27690080	+ 05500				B JS	
SUSAP 2V5 K2FR35	ARUDVE	010RUDVEK2EA0E	A IF						18000			B JS	
SUSAP 2V5 K2FR35	ARUDVE	020GUDSEK2EA0EE	010TF				09670076	+ 05500				B JS	
SUSAP 2V5 K2FR35	R	010GUDSEK2EA0E	I IF					+ 05500	18000			B JS	
SUSAP 2V5 K2FR35	R	020HAGLAK2EA1E	F 051TF				00680060	+ 05400			OKIED K2EAB	JS	
SUSAP 2V5 K2FR35	R	020HAGLAK2EA2WN		N		ALNAV						JS	
SUSAP 2V5 K2FR35	R	021CACATK2EA0E	S 031TF				00680026	V 0456004584		-305		B JS	
SUSAP 2V5 K2FR35	R	030OKIEDK2EA0EY	M 031TF				00680023	03677		-305		B JS	
SUSAP 2V5 K2FR35	R	040LINVEK2EA0EYM	010DF					+ 06500				B JS	
SUSAP 2V5 K2FR35	R	050LINVEK2EA0EE	HR020HM				00680070	+ 06500				B JS	

[illegible]

CITY AND STATE WRAY, CO	ELEVATION: 3677 TDZE: 3653 AIRPORT NAME: WRAY MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 35, AMDT 1 20 NOV 2008	SUP:
				AMDT: ORIG-A
				DATED: 01/19/2008

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

[illegible]

SUP:	
AMDT:	ORIG-A
DATED:	01/19/2006

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
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.

ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE
	HOLYO	HOLYO	010		IF		FB				
	HOLYO	CEBSU	020	IAF	TF		FB	2.0	170.8(179T)	040.0	05500
	HOLYO	GUDSE	030		TF	R	FB	1.0	276.9(285T)	008.0	05500
	MCJEF	MCJEF	010		IF		FB				
	MCJEF	CEBSU	020	IAF	TF		FB	2.0	197.1(205T)	014.0	05500
	MCJEF	GUDSE	030		TF	R	FB	1.0	276.9(285T)	008.0	05500
	RUDVE	RUDVE	010	IAF	IF		FB				
	RUDVE	GUDSE	020		TF		FB	1.0	096.7(105T)	007.6	05500
		GUDSE	010	FACF	IF		FB				05500
		HAGLA	020	FAF	TF		FB	0.5	006.8(015T)	006.0	05400
		CACAT	021	SDF	TF		FB	0.3	006.8(015T)	002.6	04560
		OKIED	030	MAP	TF		FO	0.3	006.8(015T)	002.3	03677

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE
	LINVE	040		DF		FO	1.0			06500
	LINVE	050		HM	R	FO	2.0	006.8(015T)	007.0	06500

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CACAT	N400251.82	W1021514.00	N4002.864	W10215.233
	CEBSU	N395232.41	W1020801.71	N3952.540	W10208.029
	GUDSE	N395435.47	W1021804.53	N3954.591	W10218.076
	HAGLA	N400023.80	W1021604.94	N4000.397	W10216.082
	HOLYO	N403232.25	W1020905.43	N4032.538	W10209.091
	LINVE	N401742.37	W1021006.65	N4017.706	W10210.111
	MCJEF	N400511.67	W1020020.47	N4005.195	W10200.341
	OKIED	N400505.33	W1021428.01	N4005.089	W10214.467
	RUDVE	N395632.17	W1022740.30	N3956.536	W10227.672
	RW35	N400534.75	W1021428.12	N4005.579	W10214.469

RUNWAY DATA	THRESHOLD	TCH
RWY	ELEVATION	
RW35	03637	40

CITY AND STATE WRAY, CO	ELEVATION: 3677 TDZE: 3653	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 35, AMDT 1 20 NOV 2008	SUP:
	AIRPORT NAME: WRAY MUNI			AMDT: ORIG-A
				DATED: 01/19/2006

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US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE
FAR PART 97.29

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

TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
UGMAH INT/RADAR (IF)	OLNAF INT/RADAR	094.89 / 6.01 (I-SND)	1600	ILS: DA LOC: 4.62 MILES AFTER OLNAF INT/RADAR CLIMB TO 500 THEN CLIMBING LEFT TURN TO 2000 VIA HEADING 080 AND ORL VORTAC R-033 TO SMYRA INT/ORL 33.05 DME AND HOLD; OR WHEN DIRECTED BY ATC, CLIMB TO 500 THEN CLIMBING LEFT TURN TO 2000 VIA HEADING 065 AND OMN VORTAC R-184 TO TIKUY/OMN 26.00 DME/RADAR AND HOLD S, RT, 004.00 INBOUND (DME AND RADAR REQUIRED). ADDITIONAL FLIGHT DATA: HOLD SW, RT, 033.00 INBOUND. CHART: ALTERNATE MA HOLDING, HOLD S TIKUY/OMN 26.00 DME/RADAR, RT, 004.00 INBOUND. CHART FAS OBST: 171 TOWER 284641N/0811600W CHART 259 TOWER 284620N/0812106W. CHART IN PLANVIEW: TIKUY/OMN 26.00 DME/RADAR.

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

2. PROFILE STARTS AT UGMAH

3. FAC: 094.89 FAF: OLNAF INT/RADAR DIST FAF TO MAP: 4.62 THLD: 4.62

4. MIN. ALT: UGMAH 2000, OLNAF 1600

5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT: 1050

6. MIN GS INCPT: 1600 GS ALT AT: OLNAF INT/RADAR 1600 OM: MM: IM:

7. GS ANGLE: 3.00 TCH: 53.8

8. MSA FROM: ORL VORTAC 3000

MAG VAR: 5W EPOCH YEAR: 2000

MINIMUMS

TAKEOFF:		STANDARD	X	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 9L	255	1/2	200	255	1/2	200	255	1/2	200	255	1/2	200				
S-LOC 9L	400	1/2	345	400	1/2	345	400	1/2	345	400	3/4	345				
CIRCLING	580	1	525	580	1	525	580	1 1/2	525	620	2	565				

NOTES:
CHART PLANVIEW NOTE: RADAR REQUIRED.
CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE EXECUTIVE ALTIMETER SETTING AND INCREASE ILS DA TO 298, ALL MDA 60 FEET, AND S-LOC 9L CAT C VISIBILITY 1/4 MILE.
SEE 8260-10

@ NA WHEN CONTROL TOWER CLOSED.
@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

CITY AND STATE ORLANDO, FL	ELEVATION: 55 TDZE: 55 AIRPORT NAME: ORLANDO SANFORD INTL	FACILITY IDENTIFIER: I-SND	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 9L, AMDT 3 20 NOV 2008	SUP: AMDT: 2 DATED 04/15/2004

QUALITY
CHECKED

**ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.29**

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

NOTES CONT.

CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED WITH RWY 9R. LOC PROCEDURE NA DURING SIMULTANEOUS OPERATIONS.

CITY AND STATE

ORLANDO, FL

ELEVATION: 55 TDZE: 55
AIRPORT NAME:

ORLANDO SANFORD INTL

FACILITY
IDENTIFIER:
I-SND

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

ILS OR LOC RWY 9L, AMDT 3

20 NOV 2008

SUP:

AMDT: 2

DATED: 04/15/2004

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE
FAR PART 97.29

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

TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
UXFIM INTA-FNU 12.88 DME/RADAR (IF)	UTIMY INTA-FNU 6.39 DME/RADAR	274.90 / 6.49 (I-FNU)	1600	ILS: DA LOC: 4.71 MILES AFTER UTIMY INTA-FNU 6.39 DME/RADAR OR AT I-FNU 1.68 DME FIX CLIMB TO 500 THEN CLIMBING RIGHT TURN TO 2000 VIA HEADING 280 AND ORL VORTAC R-355 TO PAOLA/ORL 15.60 DME/RADAR AND HOLD; OR WHEN DIRECTED BY ATC, CLIMB TO 500 THEN CLIMBING RIGHT TURN TO 2000 VIA HEADING 280 AND SFB NDB BEARING 285 TO PAOLA INT/RADAR AND HOLD E, RT, 284.73 INBOUND. (ADF AND RADAR REQUIRED). ADDITIONAL FLIGHT DATA: HOLD S, LT, 355.17 INBOUND. CHART FAS OBST: 90 TREE 284652N/0811308W CHART VDP AT 2.52 DME; DISTANCE VDP TO THLD 0.84 MILES. CHART: ALTERNATE MA HOLDING, HOLD E PAOLA INT/RADAR, RT, 284.73 INBOUND.

1. PT NA SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
2. PROFILE STARTS AT UXFIM
3. FAC: 274.90 FAF: UTIMY INTA-FNU 6.39 DME/RADAR DIST FAF TO MAP: 4.71 THLD: 4.71
4. MIN. ALT: UXFIM 3000, UTIMY 1600
5. DIST TO THLD FROM OM: - MM: - IM: - 150 HAT: - 100 HAT: - GS ANT: 988
6. MIN GS INCPT: 1600 GS ALT AT: UTIMY INTA-FNU 6.39 DME/RADAR CONT. OM: - MM: - IM: -
7. GS ANGLE: 3.00 TCH: 45.0
8. MSA FROM: ORL VORTAC 3000

MAG VAR: 5W EPOCH YEAR: 2000

MINIMUMS

TAKEOFF:		STANDARD	X	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 27R		250	1/2	200	250	1/2	200	250	1/2	200	250	1/2	200			
S-LOC 27R		380	1/2	330	380	1/2	330	380	1/2	330	380	3/4	330			
CIRCLING		580	1	525	580	1	525	580	1 1/2	525	620	2	565			

NOTES:

CHART PLANVIEW NOTE: RADAR REQUIRED

CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE EXECUTIVE ALTIMETER SETTING AND INCREASE ILS DA TO 293 AND ALL MDA 60 FEET.

SEE 8260-10

@ NA WHEN CONTROL TOWER CLOSED.
@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

CITY AND STATE ORLANDO, FL	ELEVATION: 55 TDZE: 50 AIRPORT NAME: ORLANDO SANFORD INTL	FACILITY IDENTIFIER: I-FNU	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 27R, AMDT 1 20 NOV 2008.	SUP: ILS RWY 27R AMDT: ORIG DATED 11/30/2000

QUALITY
CHECKED

ILS - STANDARD

INSTRUMENT APPROACH PROCEDURE - FAR PART 97.29

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LINE 6 GS ALT AT CONT. 1600

NOTES CONT.

CHART NOTE: DME AND RADAR REQUIRED.

CHART NOTE: VDP NA WHEN USING EXECUTIVE ALTIMETER SETTING.

CHART NOTE: FOR INOPERATIVE MALSR INCREASE S-LOC 27R CAT D VISIBILITY TO 1.

CHART NOTE: FOR INOPERATIVE MALSR, WHEN USING EXECUTIVE ALTIMETER SETTING, INCREASE S-ILS 27R ALL CATS VISIBILITY TO 1.

CITY AND STATE

ORLANDO, FL

ELEVATION: 55

TDZE: 50

AIRPORT NAME:

ORLANDO SANFORD INTL

FACILITY
IDENTIFIER:

IFNU

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

ILS OR LOC RWY 27R, AMDT 1

20 NOV 2008

SUP: ILS RWY 27R

AMDT: ORIG

DATED: 11/30/2008

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE
FAR PART 97.33

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TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
REIDS	RUGOC (FB)	244.85 / 18.61	2300	LNAV: RW15 CLIMB TO 2300 DIRECT HISEB AND VIA 209.45 TRACK TO AYS VORTAC AND HOLD. ADDITIONAL FLIGHT DATA: HOLD SW, LT, 067.77 INBOUND. CHART FAS OBST: 334 TREES 313615N/0823203W CHART 601 TOWER 313623N/0823238W. CHART VDP AT 1.13 MILES TO RW15. HOREB TO RW15: 3.04/41
RUGOC (IAF)	CUYAT (FB)	245.88 / 5.00	1900	
ACINE (IAF)	CUYAT (FB)	065.74 / 14.69	1900	
CUYAT (IF)	HOREB (FB)	155.84 / 6.09	1800	

- PT NA SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- PROFILE STARTS AT CUYAT
- FAC: 155.87 FAF: HOREB DIST FAF TO MAP: 4.83 THLD: 4.83
- MIN. ALT: CUYAT 1900, HOREB 1800
- DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
- MIN GS INCPT: GS ALT AT: OM: MM: IM:
- GS ANGLE: TCH: 34:1 IS CLEAR
- MSA FROM: RW15 2300

MAG VAR: 5W EPOCH YEAR: 2005

MINIMUMS

TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N/A	STANDARD @											
CATEGORY	A			B			C			D			E			
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	
LNAV MDA	600	1	400	600	1	400	600	1	400	600	1 1/4	400				
CIRCLING	720	1	520	720	1	520	720	1 1/2	520	800	2	600				

NOTES:
 CHART NOTE: STRAIGHT-IN MINIMUMS NA AT NIGHT. @ NA WHEN LOCAL WEATHER NOT AVAILABLE.
 CHART NOTE: DME/DME RNP-0.3 NA.
 CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT REIDS VIA V157 NORTHEAST BOUND.
 CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE VIDALIA ALTIMETER SETTING AND INCREASE
 SEE 8260-10

CITY AND STATE	ELEVATION: 200 TDZE: 200	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
ALMA, GA	AIRPORT NAME:	RNAV	RNAV (GPS) RWY 15, AMDT 1	AMDT: ORIG
	BACON COUNTY		20 NOV 2008.	DATED 05/10/2007

QUALITY
CHECKED

**RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.33**

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NOTES CONT.

ALL MDA 120 FEET AND INCREASE LNAV CAT C AND D VISIBILITY 1/2 MILE, AND CIRCLING CAT C AND D VISIBILITY 1/4 MILE.

CHART NOTE: VDP NA WHEN USING VIDALIA ALTIMETER SETTING.

CITY AND STATE

ALMA, GA

ELEVATION: 200

TDZE: 200

AIRPORT NAME:

BACON COUNTY

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 15, AMDT 1

20 NOV 2008

SUP:

AMDT: ORIG

DATED: 05/10/2007

QUALITY
CHECKED

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are 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 ALMA, GA	ELEVATION: 200 TDZE: 200 AIRPORT NAME: BACON COUNTY	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 15, AMDT 1 20 NOV 2008	SUP:
				AMDT: ORIG
				DATED: 05/10/2007 ALMA

✓

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

DATED: 05/10/2007

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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ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	ACINE	ACINE	010	IAF	IF		FB				
	ACINE	CUYAT	020		TF		FB	1.0	065.7 (061T)	014.7	01900
	REIDS	REIDS	010		IF		FB				
	REIDS	RUGOC	020	IAF	TF		FB	2.0	244.9 (240T)	018.6	02300
	REIDS	CUYAT	030		TF		FB	1.0	245.9 (241T)	005.0	01900
		CUYAT	010	FACF	IF		FB				01900
		HOREB	020	FAF	TF		FB	0.5	155.8 (151T)	006.1	01800
		RW15	030	MAP	TF		FB	0.3	155.9 (151T)	004.8	00241

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	HISEB	040		DF		FB	1.0			
	AYS	050		TF		FO	1.0	209.5 (205T)		02300
	AYS	060		HM	L	FO	2.0	067.8 (063T)	004.0	02300

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	AYS	N311609.96	W0823323.20	N3116.166	W08233.387
	ACINE	N313453.96	W0825152.87	N3134.899	W08251.881
	CUYAT	N314204.95	W0823651.27	N3142.083	W08236.855
	HISEB	N312731.16	W0822722.66	N3127.519	W08227.378
	HOREB	N313645.19	W0823322.78	N3136.753	W08233.380
	REIDS	N315354.65	W0821251.86	N3153.911	W08212.864
	RUGOC	N314431.34	W0823144.05	N3144.522	W08231.734
	RW15	N313231.42	W0823037.64	N3132.524	W08230.627

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW15	00200	41

CITY AND STATE
ALMA, GAELEVATION: 200 TDZE: 200
AIRPORT NAME:
BACON COUNTYFACILITY
IDENTIFIER:
RNAVPROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 15, AMDT 1
20 NOV 2008SUP:
AMDT: ORIG
DATED: 05/10/2007

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

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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:		STANDARD		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:

20 NOV 2008

PROCEDURE CANCELED EFFECTIVE _____

CITY AND STATE COVINGTON, GA	ELEVATION: 795 TDZE: 789 AIRPORT NAME: COVINGTON MUNI	FACILITY IDENTIFIER: GPS	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: GPS RWY 28, ORIG-B, 08/16/2006	SUP AMDT ORIG-A DATE 07/28/2000

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION NDB STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICE - FAR 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: 2.83 MILES AFTER VOF NDB											
CANUK INT	VOF NDB	005.99 / 24.75	2500	CLIMB TO 2000 THEN CLIMBING LEFT TURN TO 2500 DIRECT VOF NDB AND HOLD. ADDITIONAL FLIGHT DATA: HOLD E, LT, 275.28 INBOUND. CHART FAS OBST: 993 TOWER 333654N/0834957W VOF NDB TO RW28: 3.50/40.											
1. PT <u>R</u> SIDE OF COURSE <u>095.28</u> OUTBOUND <u>2500</u> FT WITHIN <u>10</u> MILES OF <u>VOF NDB</u> (IAF) 2. _____ 3. FAC <u>275.28</u> FAF <u>VOF NDB</u> DIST FAF TO MAP <u>2.83</u> THLD <u>2.83</u> 4. MIN. ALT <u>VOF NDB 1900</u> 8. MSA FROM: <u>VOF NDB 3600</u>					MAG VAR: 3W EPOCH YEAR: 1990										
MINIMUMS															
TAKEOFF:	STANDARD	☒	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-28	1360	1	551	1360	1	551	1360	1 1/2	551	1360	1 3/4	551			
CIRCLING	1360	1	551	1360	1	551	1360	1 1/2	551	1360	2	551			
NOTES: CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE LAWRENCEVILLE ALTIMETER SETTING AND INCREASE ALL MDA 100 FT AND S-28 CATS C AND D AND CIRCLING CAT C VISIBILITIES 1/4 MILE.															
CITY AND STATE		ELEVATION: 809 TDZE: 809		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP					
COVINGTON, GA		AIRPORT NAME:		VOF		NDB RWY 28, AMDT 2				AMDT 1B					
		COVINGTON MUNI				20 NOV 2008				DATE 12/05/1996					

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

**RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE
FAR PART 97.33**

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TERMINAL ROUTES				MISSED APPROACH			
FROM	TO	COURSE AND DISTANCE	ALTITUDE				
LOGEN	UGISE (FB)	184.29 / 10.28	2800	LNAV: RW10			
HUSKY	OSUCE (FB)	345.16 / 15.07	2500				
UGISE (IAF)	JIKVI (FB)	190.36 / 10.00	2500	CLIMB TO 3000 DIRECT IBAYY AND HOLD.			
OSUCE (IAF)	JIKVI (FB)	010.35 / 5.00	2500				
JIKVI (IF)	FAPRO (FB)	100.35 / 6.04	2400				
				ADDITIONAL FLIGHT DATA: HOLD E, RT, 280.60 INBOUND. CHART FAS OBST: 961 WTR TWR 333748N/0835224W FAPRO TO RW10: 3.04/40.			

1. PT <u>NA</u> SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)	
2. PROFILE STARTS AT JIKVI	
3. FAC: <u>100.42</u> FAF: <u>FAPRO</u> DIST FAF TO MAP: <u>4.85</u> THLD: <u>4.85</u>	
4. MIN. ALT: <u>JIKVI 2500, FAPRO 2400</u>	
5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____	
6. MIN GS INCPT: _____ GS ALT AT: _____ OM: _____ MM: _____ IM: _____	
7. GS ANGLE: _____ TCH: <u>34:1 IS NOT CLEAR</u>	
8. MSA FROM: <u>RW10 3600</u>	

MINIMUMS															
TAKEOFF: ☐	STANDARD ☒	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE: N A ☐	X							
CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LNAV MDA	1220	1	425	1220	1	425	1220	1 1/4	425	1220	1 1/4	425			
CIRCLING	1300	1	491	1360	1	551	1360	1 1/2	551	1360	2	551			

NOTES:
 CHART NOTE: DME/DME RNP-0.3 NA.
 CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
 CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT.
 CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE LAWRENCEVILLE ALTIMETER SETTING AND SEE 8260-10

CITY AND STATE COVINGTON, GA	ELEVATION: 809 TDZE: 795 AIRPORT NAME: COVINGTON MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 10, ORIG 20 NOV 2008	SUP: AMDT: NONE DATED

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.33

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NOTES CONT.

INCREASE ALL MDA 100 FT AND LNAV CAT C VISIBILITY 1/4 MILE, CAT D VISIBILITY 1/2 MILE, AND CIRCLING CAT C VISIBILITY 1/4 MILE.

CITY AND STATE

COVINGTON, GA

ELEVATION: 809 TDZE: 795

AIRPORT NAME:

COVINGTON MUNI

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 10, ORIG

20 NOV 2008

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]

SUSAEAEENRT	FAPRO	K70	W		N33382658W083571016	W0051	NAR	FAPRO
SUSAEAEENRT	HUSKY	K70	C	L	N33194965W083584875	W0051	NAR	HUSKY
SUSAEAEENRT	IBAYY	K70	W		N33365098W083372506	W0051	NAR	IBAYY
SUSAEAEENRT	JIKVI	K70	W		N33390064W084042234	W0044	NAR	JIKVI
SUSAEAEENRT	LOGEN	K70	C	L	N33591698W084032443	W0044	NAR	LOGEN
SUSAEAEENRT	OSUCE	K70	W		N33340139W084045582	W0044	NAR	OSUCE
SUSAEAEENRT	UGISE	K70	W		N33485911W084031520	W0044	NAR	UGISE

[illegible]

SUSAP 9A1 K7A9A1	0	055YHN33375631W083505081W005000809	1800018000C	MNAR	COVINGTON MUNI

[illegible]

SUSAP	9A1	K7FR10	AHUSKY	010HUSKYK7EA0E	IF				18000		B	JS
SUSAP	9A1	K7FR10	AHUSKY	020SUCEK7EA0E	A 020TF		34520151	+	02500		B	JS
SUSAP	9A1	K7FR10	AHUSKY	030JIKVIK7EA0EE	010TF		01040050	+	02500		B	JS
SUSAP	9A1	K7FR10	ALOGEN	010LOGENK7EA0E	IF				18000		B	JS
SUSAP	9A1	K7FR10	ALOGEN	020UGISEK7EA0E	A 020TF		18430103	+	02800		B	JS
SUSAP	9A1	K7FR10	ALOGEN	030JIKVIK7EA0EE	010TF		19040100	+	02500		B	JS
SUSAP	9A1	K7FR10	R	010JIKVIK7EA0E	I IF			+	02500	18000	B	JS
SUSAP	9A1	K7FR10	R	020FAPROK7EA1E	F 051TF		10040060	+	02400		RW10	K7PGB JS
SUSAP	9A1	K7FR10	R	020FAPROK7EA2WN		N	ALNAV					JS
SUSAP	9A1	K7FR10	R	030RW10 K7PG0GY	M 031TF		10040049		00835	-304	B	JS
SUSAP	9A1	K7FR10	R	040IBAYYK7EA0EYM	010DF			+	03000		B	JS
SUSAP	9A1	K7FR10	R	050IBAYYK7EA0EE	HR020HM		28060040	+	03000		B	JS

[illegible]

SUSAP 9A1 K7GRW10 0055001005 N33375892W083512315+0300 +0213300795000040075R

[illegible]

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

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are 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 9A1 K7SRW10 K7PG

0 18018003625

M

CITY AND STATE
COVINGTON, GA

ELEVATION: 809 TDZE: 795
AIRPORT NAME:
COVINGTON MUNI

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 10, ORIG
20 NOV 2008

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

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are 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 FLIGHT INSPECTION SUMMARY - VERSION 424-18

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE
	HUSKY	HUSKY	010		IF		FB				
	HUSKY	OSUCE	020	IAF	TF		FB	2.0	345.2 (340T)	015.1	02500
	HUSKY	JIKVI	030		TF		FB	1.0	010.4 (005T)	005.0	02500
	LOGEN	LOGEN	010		IF		FB				
	LOGEN	UGISE	020	IAF	TF		FB	2.0	184.3 (179T)	010.3	02800
	LOGEN	JIKVI	030		TF		FB	1.0	190.4 (185T)	010.0	02500
		JIKVI	010	FACF	IF		FB				02500
		FAPRO	020	FAF	TF		FB	0.5	100.4 (095T)	006.0	02400
		RW10	030	MAP	TF		FO	0.3	100.4 (095T)	004.9	00835

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE
	IBAYY	040		DF		FO	1.0			03000
	IBAYY	050		HM	R	FO	2.0	280.6 (276T)	004.0	03000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	FAPRO	N333826.58	W0835710.16	N3338.443	W08357.169
	HUSKY	N331949.65	W0835848.75	N3319.828	W08358.813
	IBAYY	N333650.98	W0833725.06	N3336.850	W08337.418
	JIKVI	N333900.64	W0840422.34	N3339.011	W08404.372
	LOGEN	N335916.98	W0840324.43	N3359.283	W08403.407
	OSUCE	N333401.39	W0840455.82	N3334.023	W08404.930
	UGISE	N334859.11	W0840315.20	N3348.985	W08403.253
	RW10	N333758.92	W0835123.15	N3337.982	W08351.386

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW10	00795	40

CITY AND STATE COVINGTON, GA	ELEVATION: 809 TDZE: 795	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 10, ORIG 20 NOV 2008	SUP:
	AIRPORT NAME: COVINGTON MUNI			AMDT: NONE
				DATED:

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION		RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE 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.											
TERMINAL ROUTES				MISSED APPROACH											
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LPV: DA LNAV/VNAV: DA LNAV: RW28 CLIMB TO 3000 DIRECT FAPRO AND LEFT TURN VIA 189.24 TRACK TO HUSKY AND HOLD. ADDITIONAL FLIGHT DATA: HOLD SE, RT, 311.03 INBOUND. CHART FAS OBST: 963 TANK 333735N/0834938W CHART 1260 TOWER 333638N/0834425W. DISTANCE TO THLD FROM 309 HAT: 0.81 NM. CHART VDP AT 1.38 MILES TO RW28* *LNAV ONLY. WAAS CHANNEL # 72710 REFERENCE PATH ID: W28A											
AHN VORTAC	CODKA (FB)	229.03 / 20.82	3000												
TRBOW	DOCAK (FB)	014.16 / 8.76	4000												
CODKA (IAF)	IBAYY (NOPT) (FB)	190.61 / 5.00	3000												
DOCAK (IAF)	IBAYY (NOPT) (FB)	010.59 / 5.00	3000												
MADDI (IAF)	IBAYY (NOPT) (FB)	257.47 / 10.95	3000												
IBAYY (IF/IAF)	ATTIV (FB)	280.60 / 6.04	2400												
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. HOLD E IBAYY, RT, 280.60 INBOUND, 3000 FT. IN LIEU OF PT (IAF) 3. FAC: <u>280.53</u> FAF: <u>ATTIV</u> DIST FAF TO MAP: <u>4.77</u> THLD: <u>4.77</u> 4. MIN. ALT: <u>IBAYY 3000, ATTIV 2400</u> 5. DIST TO THLD FROM OM: <u> </u> MM: <u> </u> IM: <u> </u> 150 HAT: <u> </u> 100 HAT: <u> </u> GS ANT: <u> </u> 6. MIN GS INCPT: <u>2400</u> GS ALT AT: <u>ATTIV</u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u>3.00</u> TCH: <u>51.0</u> 34:1 IS NOT CLEAR 8. MSA FROM: <u>RW28 3600</u>				MAG VAR: 5W EPOCH YEAR: 2010											
MINIMUMS															
TAKEOFF:	☐ STANDARD	☒ SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N A ☒												
CATEGORY =====>	A		B		C										
	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	1118	1	309	1118	1	309	1118	1	309	1118	1	309			
LNAV/VNAV DA	1263	1 1/2	454	1263	1 1/2	454	1263	1 1/2	454	1263	1 1/2	454			
LNAV MDA	1280	1	471	1280	1	471	1280	1 1/4	471	1280	1 1/2	471			
CIRCLING	1300	1	491	1360	1	551	1360	1 1/2	551	1360	2	551			
NOTES: CHART NOTE: BARO-VNAV NA WHEN USING LAWRENCEVILLE ALTIMETER SETTING. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C (4F) OR ABOVE 47C (116F). CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. SEE 8260-10															
CITY AND STATE		ELEVATION: 809 TDZE: 809		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:					
COVINGTON, GA		AIRPORT NAME:		RNAV		RNAV (GPS) RWY 28, ORIG				AMDT: NONE					
		COVINGTON MUNI				20 NOV 2008				DATED					

**RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - 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.

NOTES CONT.**CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT MADDI VIA V18 EASTBOUND.****CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.****CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE LAWRENCEVILLE ALTIMETER SETTING AND****INCREASE ALL DA 85 FT, ALL MDA 100 FT, LPV VISIBILITY 1/4 MILE, LNAV/VNAV VISIBILITY 1/2 MILE,****LNAV CAT C AND D VISIBILITY 1/4 MILE, AND CIRCLING CAT C VISIBILITY 1/4 MILE.****CHART NOTE: VDP NA WHEN USING LAWRENCEVILLE ALTIMETER SETTING.**

CITY AND STATE

COVINGTON, GA

ELEVATION: 809

TDZE: 809

AIRPORT NAME:

COVINGTON MUNI

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 28, ORIG

20 NOV 2008

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

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	9A1
RUNWAY	RW28
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W28A
LTP/FTP LATITUDE	333753.7310N
LTP/FTP LONGITUDE	0835018.3995W
LTP/FTP ELLIPSOIDAL HEIGHT	+02176
FPAP LATITUDE	333802.2400N
FPAP LONGITUDE	0835204.6300W
THRESHOLD CROSSING HEIGHT (TCH)	00051.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1072
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER 91945213

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+02465
FPAP ORTHOMETRIC HEIGHT	+02465

CITY AND STATE
COVINGTON, GA

ELEVATION: 809 TDZE: 809
AIRPORT NAME:
COVINGTON MUNI

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 28, ORIG
20 NOV 2008

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]

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SUSAP 9A1 K7SRW28 K7PG 0 18018003625 M

PAGE 5 OF 6 PAGES

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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ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	AHN	AHN	010		IF		FB				
	AHN	CODKA	020	IAF	TF		FB	2.0	229.0 (224T)	020.8	03000
	AHN	IBAYY	030		TF		FB	1.0	190.6 (186T)	005.0	03000
	IBAYY	IBAYY	010		HF	R	FB		280.6 (276T)	004.0	03000
	MADDI	MADDI	010	IAF	IF		FB				
	MADDI	IBAYY	020		TF		FB	1.0	257.5 (253T)	011.0	03000
	TRBOW	TRBOW	010		IF		FB				
	TRBOW	DOCAK	020	IAF	TF		FB	2.0	014.2 (009T)	008.8	04000
	TRBOW	IBAYY	030		TF		FB	1.0	010.6 (006T)	005.0	03000
		IBAYY	010	FACF	IF		FB				03000
		ATTIV	020	FAF	TF		FB	0.5	280.6 (276T)	006.0	02400
		RW28	030	MAP	TF		FO	0.3	280.5 (276T)	004.8	00860

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	FAPRO	040		DF		FB	1.0			
	HUSKY	050		TF	L	FO	1.0	189.2 (184T)		03000
	HUSKY	060		HM	R	FO	2.0	311.0 (306T)	005.0	03000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	AHN	N335651.30	W0831929.10	N3356.855	W08319.485
	ATTIV	N333726.20	W0834436.98	N3337.437	W08344.616
	CODKA	N334150.10	W0833649.97	N3341.835	W08336.833
	DOCAK	N333151.86	W0833800.08	N3331.864	W08338.001
	FAPRO	N333826.58	W0835710.16	N3338.443	W08357.169
	HUSKY	N331949.65	W0835848.75	N3319.828	W08358.813
	IBAYY	N333650.98	W0833725.06	N3336.850	W08337.418
	MADDI	N334009.85	W0832455.15	N3340.164	W08324.919
	TRBOW	N332311.90	W0833940.14	N3323.198	W08339.669
	RW28	N333753.73	W0835018.40	N3337.896	W08350.307

RUNWAY DATA	THRESHOLD	ELEVATION	TCH
RWY			
RW28	00809		51

CITY AND STATE
COVINGTON, GA

ELEVATION: 809 TDZE: 809
 AIRPORT NAME:
COVINGTON MUNI

FACILITY
 IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 28, ORIG
20 NOV 2008

SUP:
 AMDT: **NONE**
 DATED:

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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

(1) TAKEOFF MINIMUMS:

RWY 10, STANDARD.

RWY 28, 200-1 OR STANDARD WITH MINIMUM CLIMB OF 259 FEET PER NM TO 1100.

(2) TEXTUAL DEPARTURE PROCEDURE:

(3) TAKEOFF OBSTACLE NOTES:

NOTE: RWY 10, TERRAIN 18' FROM DER, 485' LEFT OF CENTERLINE, 817 MSL. POWER POLE 987' FROM DER, 107' RIGHT OF CENTERLINE, 25' AGL/844' MSL. TREES BEGINNING 1399' FROM DER, 300' LEFT OF CENTERLINE, UP TO 70' AGL/875' MSL. TREE 3902' FROM DER, 1535' RIGHT OF CENTERLINE, 73' AGL/844' MSL.

NOTE: RWY 28, TREES BEGINNING 1065' FROM DER, 34' LEFT OF CENTERLINE, UP TO 116' AGL/894' MSL. TREES BEGINNING 1286' FROM DER, 435' RIGHT OF CENTERLINE, UP TO 109' AGL/888' MSL. WATER TOWER 5029' FROM DER, 1579' LEFT OF CENTERLINE, 162' AGL/961' MSL.

(4) CONTROLLING OBSTACLES:

RWY 28: 961 MSL WATER TOWER 333748.11N/0835224.14W.

(5) City, State

COVINGTON, GA

(6) Airport

COVINGTON MUNI

(7) Effective Date

20 NOV 2008

(8) Amdt. No.

1

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION VOR/DME STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICE - FAR 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: CEGOX/ATL 28.99 DME							
ATL VORTAC (IAF)		LEAPS/ATL 17.96 DME		089.37 / 17.96				2600		CLIMBING LEFT TURN TO 3000 VIA ATL R-089 TO ESSEX/ATL 24.00 DME AND HOLD.							
LEAPS/ATL 17.96 DME (IF)		ESSEX/ATL 24.00 DME		089.37 / 6.04 (ATL R-089)				2500									
										ADDITIONAL FLIGHT DATA: HOLD E, RT, 269.37 INBOUND. CHART FAS OBST: 1010 TOWER 333710N/0835336W ESSEX TO RW10: 3.14/40.							
1. PT <u>NA</u> SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. PROFILE STARTS AT LEAPS 3. FAC <u>089.37</u> FAF <u>ESSEX/ATL 24.00 DME</u> DIST FAF TO MAP <u>-</u> THLD <u>4.99</u> 4. MIN. ALT <u>LEAPS 2600, ESSEX 2500</u> 8. MSA FROM: <u>ATL VORTAC 3600 (30 NM)</u>														MAG VAR: 0E		EPOCH YEAR: 1965	
MINIMUMS																	
TAKEOFF:		STANDARD		X		SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE: N A		X					
CATEGORY =====>		A			B			C			D			E			
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA		
S-10	1320	1	525	1320	1 1/4	525	1320	1 1/2	525	1320	2	525					
CIRCLING	1320	1	511	1360	1 1/4	551	1360	1 1/2	551	1360	2	551					
NOTES: CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT ATL VORTAC VIA V18 WESTBOUND. CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE LAWRENCEVILLE ALTIMETER SETTING AND INCREASE ALL MDA 100 FT AND CAT C VISIBILITIES 1/4 MILE.																	
CITY AND STATE				ELEVATION: 809		TDZE: 795		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP VOR/DME OR GPS			
COVINGTON, GA				AIRPORT NAME:				ATL		VOR/DME RWY 10, AMDT 4				RWY 10			
				COVINGTON MUNI						20 NOV 2008				AMDT 3A			
														DATE 07/28/2000			

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
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.

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: ☐	STANDARD ☐	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 20 NOV 2008

CITY AND STATE ELBERTON, GA	ELEVATION: 603 TDZE: 603	FACILITY IDENTIFIER: GPS	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: GPS RWY 28, ORIG, 07/17/1997	SUP
	AIRPORT NAME: ELBERT CO-PATZ FIELD			AMDT NONE
				DATE

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE
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.

TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LNAV: RW10 CLIMB TO 2500 DIRECT NADZU AND HOLD. ADDITIONAL FLIGHT DATA: HOLD NE, RT, 246.37 INBOUND. CHART FAS OBST: 878 TOWER 340652N/0825120W CHART 1089 TOWER 340645N/0825428W. CHART VDP AT 1.35 MILES TO RW10. SAVNE TO RW10: 3.04/42.
COMRE	JESIG (FB)	299.62 / 4.34	2800	
HARTI	HIRAT (FB)	241.38 / 13.06	2800	
JESIG (IAF)	TALYU (FB)	013.56 / 5.00	2800	
HIRAT (IAF)	TALYU (FB)	193.58 / 5.00	2800	
TALYU (IF)	SAVNE (FB)	103.57 / 9.85	2200	

1. PT NA SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
2. PROFILE STARTS AT TALYU
3. FAC: 103.68 FAF: SAVNE DIST FAF TO MAP: 4.83 THLD: 4.83
4. MIN. ALT: TALYU 2800, SAVNE 2200, TUSDE/2.20 NM TO RW10 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: 34:1 IS NOT CLEAR
8. MSA FROM: RW10 3100

MAG VAR: 5W EPOCH YEAR: 2000

MINIMUMS

TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT										ALTERNATE: N/A					STANDARD @				
CATEGORY =====>	A			B			C			D			E									
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA							
LNAV MDA	1180	1	580	1180	1	580	1180	1 1/2	580				NA									
CIRCLING	1200	1	597	1200	1	597	1220	1 3/4	617				NA									

NOTES:
 CHART NOTE: DME/DME RNP-0.3 NA.
 CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
 CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT.
 CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ANDERSON ALTIMETER SETTING AND SEE 8260-10
 @ NA WHEN LOCAL WEATHER NOT AVAILABLE.

CITY AND STATE	ELEVATION: 603 TDZE: 600	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
ELBERTON, GA	AIRPORT NAME:	RNAV	RNAV (GPS) RWY 10, ORIG	AMDT: NONE
	ELBERT CO-PATZ FIELD		20 NOV 2008	DATED

**RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - 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.

NOTES CONT.

INCREASE ALL MDA 100 FT, LNAV CAT C VISIBILITY 1/2 MILE AND CIRCLING CAT C VISIBILITY 1/4 MILE.

CHART NOTE: VDP NA WHEN USING ANDERSON ALTIMETER SETTING.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT COMRE VIA V66 NORTHEAST BOUND.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT HARTI VIA V20-35 NORTHEAST BOUND.

CITY AND STATE

ELBERTON, GA

ELEVATION: 603

TDZE: 600

AIRPORT NAME:

ELBERT CO-PATZ FIELD

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 10, ORIG

20 NOV 2008

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 27A K7FR10	ACOMRE	010COMREK7EA0E	IF							18000		B JS	
SUSAP 27A K7FR10	ACOMRE	020JESIGK7EA0E	A 020TF			29960043		+ 02800				B JS	
SUSAP 27A K7FR10	ACOMRE	030TALYUK7EA0EE	010TF			01360050		+ 02800				B JS	
SUSAP 27A K7FR10	AHARTI	010HARTIK7EA0E	IF							18000		B JS	
SUSAP 27A K7FR10	AHARTI	020HIRATK7EA0E	A 020TF			24140131		+ 02800				B JS	
SUSAP 27A K7FR10	AHARTI	030TALYUK7EA0EE	010TF			19360050		+ 02800				B JS	
SUSAP 27A K7FR10	R	010TALYUK7EA0E	I IF					+ 02800		18000		B JS	
SUSAP 27A K7FR10	R	020SAVNEK7EA1E	F 051TF			10360099		+ 02200			RW10 K7PGB	JS	
SUSAP 27A K7FR10	R	020SAVNEK7EA2WN		N		ALNAV						JS	
SUSAP 27A K7FR10	R	021TUSDEK7EA0E	S 031TF			10370026		V 0134001347		-304		B JS	
SUSAP 27A K7FR10	R	030RW10 K7PG0GY	M 031TF			10370022		00642		-304		B JS	
SUSAP 27A K7FR10	R	040NADZUK7EA0EYM	010DF					+ 02500				B JS	
SUSAP 27A K7FR10	R	050NADZUK7EA0EE	HR020HM			24640040		+ 02500				B JS	

[illegible]

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]

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

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are 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 FLIGHT INSPECTION SUMMARY - VERSION 424-18

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	COMRE	COMRE	010		IF		FB				
	COMRE	JESIG	020	IAF	TF		FB	2.0	299.6 (295T)	004.3	02800
	COMRE	TALYU	030		TF		FB	1.0	013.6 (009T)	005.0	02800
	HARTI	HARTI	010		IF		FB				
	HARTI	HIRAT	020	IAF	TF		FB	2.0	241.4 (236T)	013.1	02800
	HARTI	TALYU	030		TF		FB	1.0	193.6 (189T)	005.0	02800
		TALYU	010	FACF	IF		FB				02800
		SAVNE	020	PAF	TF		FB	0.5	103.6 (099T)	009.9	02200
		TUSDE	021	SDF	TF		FB	0.3	103.7 (099T)	002.6	01340
		RW10	030	MAP	TF		FO	0.3	103.7 (099T)	002.2	00642

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	NADZU	040		DF		FO	1.0			02500
	NADZU	050		HM	R	FO	2.0	246.4 (241T)	004.0	02500

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	COMRE	N340112.77	W0830258.62	N3401.213	W08302.977
	HARTI	N342011.03	W0825248.43	N3420.184	W08252.807
	HIRAT	N341255.57	W0830555.49	N3412.926	W08305.925
	JESIG	N340301.22	W0830743.20	N3403.020	W08307.720
	NADZU	N340347.34	W0823402.03	N3403.789	W08234.034
	SAVNE	N340629.63	W0825505.46	N3406.494	W08255.091
	TALYU	N340753.40	W0830649.40	N3407.973	W08306.823
	TUSDE	N340605.76	W0825157.74	N3406.096	W08251.962
	RW10	N340545.72	W0824920.62	N3405.762	W08249.344

RUNWAY DATA	RWY	THRESHOLD	TCH
		ELEVATION	
	RW10	00600	42

CITY AND STATE ELBERTON, GA	ELEVATION: 603 TDZE: 600 AIRPORT NAME: ELBERT CO-PATZ FIELD	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 10, ORIG 20 NOV 2008	SUP:
				AMDT: NONE
				DATED:

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

**RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE
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.

TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LNAV: RW28 CLIMBING RIGHT TURN TO 2500 DIRECT NADZU AND HOLD. ADDITIONAL FLIGHT DATA: HOLD NE, RT, 246.37 INBOUND. CHART FAS OBST: 800 ANTENNA 340516N/0824747W CHART VDP AT 1.13 MILES TO RW28. FEHDY TO RW28: 3.04/46.
GOLFR	PICOB (FB)	316.49 / 5.52	2500	
GRD VORTAC	NUPBI (FB)	257.33 / 20.78	2500	
PICOB (IAF)	NADZU (FB)	013.87 / 5.00	2500	
NUPBI (IAF)	NADZU (FB)	193.89 / 5.00	2500	
NADZU (IF/IAF)	FEHDY (FB)	283.88 / 7.40	2200	

1. PT NA SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
2. **PROFILE STARTS AT NADZU**
3. FAC: 283.79 FAF: FEHDY DIST FAF TO MAP: 4.81 THLD: 4.81
4. MIN. ALT: NADZU 2500, FEHDY 2200, KOBPE/2.10 NM TO RW28 1320
5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
6. MIN GS INCPT: GS ALT AT: OM: MM: IM:
7. GS ANGLE: TCH: 34:1 IS NOT CLEAR
8. MSA FROM: RW28 3100

MAG VAR: 5W

EPOCH YEAR: 2000

MINIMUMS															
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: NA	STANDARD @										
CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LNAV MDA	1100	1	497	1100	1	497	1100	1 1/4	497		NA				
CIRCLING	1200	1	597	1200	1	597	1220	1 3/4	617		NA				

NOTES:
 CHART NOTE: DME/DME RNP-0.3 NA.
 CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
 CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT.
 CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ANDERSON ALTIMETER SETTING AND INCREASE
 SEE 8260-10
 @ NA WHEN LOCAL WEATHER NOT AVAILABLE.

CITY AND STATE ELBERTON, GA	ELEVATION: 603 TDZE: 603 AIRPORT NAME: ELBERT CO-PATZ FIELD	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 28, ORIG 20 NOV 2008	SUP: AMDT: NONE DATED

**RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - 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.

NOTES CONT.

ALL MDA 100 FEET AND LNAV AND CIRCLING CAT C VISIBILITY 1/4 MILE.

CHART NOTE: VDP NA WHEN USING ANDERSON ALTIMETER SETTING.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT GOLFR VIA V325 EAST BOUND.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT GRD VORTAC VIA V311 EAST BOUND.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT NADZU VIA V454 NORTHEAST BOUND.

CITY AND STATE

ELBERTON, GA

ELEVATION: 603 TDZE: 603

AIRPORT NAME:

ELBERT CO-PATZ FIELD

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 28, ORIG

20 NOV 2008

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]

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]

DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
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.

ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	GOLFR	GOLFR	010		IF		FB				
	GOLFR	PICOB	020	IAF	TF		FB	2.0	316.5 (312T)	005.5	02500
	GOLFR	NADZU	030		TF		FB	1.0	013.9 (009T)	005.0	02500
	GRD	GRD	010		IF		FB				
	GRD	NUPBI	020	IAF	TF		FB	2.0	257.3 (252T)	020.8	02500
	GRD	NADZU	030		TF		FB	1.0	193.9 (189T)	005.0	02500
		NADZU	010	FACF	IF		FB				02500
		FEHDY	020	FAF	TF		FB	0.5	283.9 (279T)	007.4	02200
		KOBPE	021	SDF	TF		FB	0.3	283.8 (279T)	002.7	01320
		RW28	030	MAP	TF		FO	0.3	283.8 (279T)	002.1	00649

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	NADZU	040		DF	R	FO	1.0			02500
	NADZU	050		HM	R	FO	2.0	246.4 (241T)	004.0	02500

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	GRD	N341505.64	W0820914.94	N3415.094	W08209.249
	FEHDY	N340455.68	W0824250.43	N3404.928	W08242.841
	GOLFR	N335510.55	W0822959.19	N3355.176	W08229.987
	KOBPE	N340520.50	W0824603.66	N3405.342	W08246.061
	NADZU	N340347.34	W0823402.03	N3403.789	W08234.034
	NUPBI	N340844.26	W0823306.23	N3408.738	W08233.104
	PICOB	N335850.41	W0823457.72	N3358.840	W08234.962
	RW28	N340539.71	W0824833.61	N3405.662	W08248.560

RUNWAY DATA	THRESHOLD
RWY	ELEVATION TCH
RW28	00603 46

CITY AND STATE ELBERTON, GA	ELEVATION: 603 TDZE: 603	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 28, ORIG 20 NOV 2008	SUP:
	AIRPORT NAME: ELBERT CO-PATZ FIELD			AMDT: NONE
				DATED:

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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

(1) TAKEOFF MINIMUMS:

RWY 10, 28 STANDARD

(2) TEXTUAL DEPARTURE PROCEDURE:

(3) TAKEOFF OBSTACLE NOTES: NOTE: RWY 10, TREE 1100' FROM DER, 349' RIGHT OF CENTERLINE, 68' AGL/648' MSL. TREE 1800' FROM DER, 68' LEFT OF CENTERLINE, 100' AGL/679' MSL.

NOTE: RWY 28, TREE 2699' FROM DER, 300' LEFT OF CENTERLINE, 100' AGL/719' MSL. TREE 200' FROM DER, 200' RIGHT OF CENTERLINE, 100' AGL/650' MSL. TERRAIN BEGINNING 66' FROM DER, 222' RIGHT OF CENTERLINE, UP TO 627' MSL.

(4) CONTROLLING OBSTACLES:

(5) City, State

ELBERTON, GA

(6) Airport

ELBERT COUNTY-PATZ FIELD

(7) Effective Date

20 NOV 2008

(8) Amdt. No.

ORIG

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

VOR/DME STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICE - FAR 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: MATKL/AHN 26.58 DME FIX
AHN VORTAC (IAF)	HOKID/AHN 12.00 DME	070.00 / 12.00	2500	CLIMBING RIGHT TURN TO 2400 VIA AHN VORTAC R-070 TO DOTSNAHN 21.00 DME AND HOLD.
JOSPI/AHN 12.00 DME CW (IAF)	HOKID/AHN 12.00 DME	12.00 DME ARC	2500	
OCENU/AHN 12.00 DME CCW (IAF)	HOKID/AHN 12.00 DME	12.00 DME ARC	2500	
HOKID/AHN 12.00 DME (IF)	DOTSN/AHN 21.00 DME	070.00 / 9.00 (AHN R-070)	2400	ADDITIONAL FLIGHT DATA: HOLD W, RT, 070.00 INBOUND. CHART FAS OBST: 963 TOWER 340754N/0825146W CHART 956 TOWER 340538N/0825334W. CHART AHN R-104 AT OCENU. CHART AHN R-043 AT JOSPI. DOTSN TO RW10: 2.97/42. FAC CROSSES RWY C/L EXTENDED 1894 FROM THLD.

1. PT NA SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
2. PROFILE STARTS AT HOKID/AHN 12.00 DME
3. FAC 070.00 FAF DOTSN/AHN 21.00 DME DIST FAF TO MAP - THLD 5.59
4. MIN. ALT HOKID 2500, DOTSN 2400, JUDAK/AHN 23.90 DME 1480*
8. MSA FROM: AHN VORTAC 060-240 2500, 240-060 3700

MAG VAR: 0E

EPOCH YEAR: 1965

MINIMUMS

TAKEOFF:		STANDARD	X	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-10	1300	1	700	1300	1 1/4	700	1300	2	700		NA							
CIRCLING	1300	1	697	1300	1 1/4	697	1300	2	697		NA							

NOTES:

CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.

© NA WHEN LOCAL WEATHER NOT AVAILABLE.

CHART PROFILE NOTE: VGS1 AND DESCENT ANGLES NOT COINCIDENT.

*1580 WHEN USING ANDERSON ALTIMETER SETTING.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ANDERSON ALTIMETER SETTING AND INCREASE ALL MDA 100 FT, S-10 AND CIRCLING CAT C VISIBILITY 1/4 MILE.

CITY AND STATE ELBERTON, GA	ELEVATION: 603 TDZE: 600 AIRPORT NAME: ELBERT CO-PATZ FIELD	FACILITY IDENTIFIER: AHN	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: VOR/DME RWY 10, AMDT 3 20 NOV 2008	SUP VOR/DME OR GPS RWY 10
				AMDT 2D
				DATE 12/22/2005

QUALITY
CHECKED

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION NDB STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICE - FAR 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: 3.63 MILES AFTER HDG NDB											
TORIN/TWF 38.56 DME	HDG NDB	112.15 / 12.70	6900	CLIMB TO 4700 THEN CLIMBING RIGHT TURN TO 5600 DIRECT HDG NDB AND HOLD. ADDITIONAL FLIGHT DATA: HOLD E, RT, 255.62 INBOUND. CHART FAS OBST: 3941 TREE 425441N/1144506W HDG NDB TO RW25: 2.93/40. CHART APT ELEV 3732 CHART TDZE 3732											
GOODE INT	HDG NDB	020.05 / 5.67	6100												
JEROT INT	HDG NDB	298.23 / 14.18	6700												
1. PT <u> L </u> SIDE OF COURSE <u> 075.62 </u> OUTBOUND <u> 6100 </u> FT WITHIN <u> 10 </u> MILES OF <u> HDG NDB </u> (IAF) 2. _____ 3. FAC <u> 255.62 </u> FAF <u> HDG NDB </u> DIST FAF TO MAP <u> 3.63 </u> THLD <u> 3.63 </u> 4. MIN. ALT <u> HDG NDB 4900 </u> 8. MSA FROM: <u> HDG NDB 270-050 8100, 050-270 6100 </u>					MAG VAR: 16E EPOCH YEAR: 1990										
MINIMUMS															
TAKEOFF:	☐ STANDARD	☒ SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: ☐ NA		☒										
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-25	4260	1	528	4260	1	528	4260	1 1/2	528	4260	1 3/4	528			
CIRCLING	4260	1	528	4260	1	528	4260	1 1/2	528	4300	2	568			
JEROME COUNTY ALTIMETER SETTING MINIMUMS															
S-25	4340	1	608	4340	1	608	4340	1 3/4	608	4340	2	608			
CIRCLING	4340	1	608	4340	1	608	4340	1 3/4	608	4340	2	608			
NOTES: CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART NOTE: OBTAIN LOCAL ALTIMETER SETTING ON CTAF; WHEN NOT RECEIVED USE JEROME COUNTY ALTIMETER SETTING.															
CITY AND STATE		ELEVATION: 3732 TDZE: 3732		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP NDB OR GPS RWY					
GOODING, ID		AIRPORT NAME:		HDG		NDB RWY 25, AMDT 1				25					
		GOODING MUNI				20 NOV 2008				AMDT ORIG					
										DATE 11/23/2006					

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION				RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE 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.											
TERMINAL ROUTES												MISSED APPROACH							
FROM			TO			COURSE AND DISTANCE			ALTITUDE			LPV: DA LNAV/VNAV: DA LNAV: RW32R CLIMB TO 2800 DIRECT HIPUB AND VIA 283.54 TRACK TO LODGE AND HOLD. ADDITIONAL FLIGHT DATA: HOLD NW, LT, 116.39 INBOUND. CHART FAS OBST: 854 TREE 400052N/0881526W DISTANCE TO THLD FROM 250 HAT: 0.62 NM. CHART VDP AT 0.99 MILES TO RW32R* *LNAV ONLY. WAAS CHANNEL # 61110 REFERENCE PATH ID: W32A CHART: ASR							
CMI VORTAC			ODEBE (FO)			134.60 / 12.47			2600										
OCTOE			SUGKO (FB)			172.30 / 10.59			2600										
TUSCO			TULKE (FB)			066.80 / 6.00			2600										
NEWMY (IAF)			ODEBE (NOPT) (FB)			285.55 / 6.95			2600										
TULKE (IAF)			ODEBE (NOPT) (FB)			045.68 / 5.00			2600										
SUGKO (IAF)			ODEBE (NOPT) (FB)			225.78 / 5.00			2600										
ODEBE (IF/IAF)			ZAGMO (FB)			315.73 / 6.44			2600										
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. HOLD SE ODEBE, RT, 315.73 INBOUND, 2600 FT. IN LIEU OF PT (IAF) 3. FAC: <u>315.66</u> FAF: <u>ZAGMO</u> DIST FAF TO MAP: <u>5.56</u> THLD: <u>5.56</u> 4. MIN. ALT: <u>ODEBE 2600, ZAGMO 2600, NUVIY/2.40 NM TO RW32R 1560*</u> 5. DIST TO THLD FROM OM: <u> </u> MM: <u> </u> IM: <u> </u> 150 HAT: <u> </u> 100 HAT: <u> </u> GS ANT: <u> </u> 6. MIN GS INCPT: <u>2600</u> GS ALT AT: <u>ZAGMO</u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u>3.00</u> TCH: <u>52.4</u> 34:1 IS CLEAR 8. MSA FROM: <u>RW32R 3100</u>																			
												MAG VAR: <u>0E</u> EPOCH YEAR: <u>1985</u>							
MINIMUMS																			
TAKEOFF: <u>X</u>		STANDARD		SEE FAA FORM 8260-15A FOR THIS AIRPORT						ALTERNATE: <u>N A</u>		STANDARD @							
CATEGORY <u>=====</u>				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	DH/MDA	VIS		
LPV DA	999	2400	250	999	2400	250	999	2400	250	999	2400	250							
LNAV/VNAV DA	1153	5000	404	1153	5000	404	1153	5000	404	1153	5000	404							
LNAV MDA	1120	2400	371	1120	2400	371	1120	2400	371	1120	2400	371							
CIRCLING	1160	1	406	1220	1	466	1220	1 1/2	466	1320	2	566							
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C (4F) OR ABOVE 47C (116F). CHART NOTE: DME/DME RNP-0.3 NA. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT CMI VORTAC VIA V434 WESTBOUND. CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT. SEE 8260-10																			
CITY AND STATE CHAMPAIGN/URBANA, IL				ELEVATION: 754 TDZE: 749 AIRPORT NAME: UNIVERSITY OF ILLINOIS-WILLARD				FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 32R, ORIG 20 NOV 2008				SUP:					
														AMDT: NONE					
														DATED					



**RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - 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.

NOTES CONT.

CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.

*LNAV ONLY

CHART NOTE: BARO-VNAV AND VDP N/A WHEN USING RANTOUL ALTIMETER SETTING.

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

ALL DA 41 FEET, ALL MDA 60 FEET. INCREASE LNAV CAT C VISIBILITY TO RVR 4000.

CHART NOTE: FOR INOPERATIVE MALSR, INCREASE LNAV CAT D VISIBILITY TO RVR 6000.

CITY AND STATE

CHAMPAIGN/URBANA, IL

ELEVATION: 754

TDZE: 749

AIRPORT NAME:

UNIVERSITY OF ILLINOIS-WILLARD

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 32R, ORIG

20 NOV 2008

SUP:

AMDT: NONE

DATED:

QUALITY
CHECKED

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 INFORMATIONDATA FIELDDATA

OPERATION TYPE 0
SBAS SERVICE PROVIDER IDENTIFIER 0
AIRPORT IDENTIFIER KCMJ
RUNWAY RW32R
APPROACH PERFORMANCE DESIGNATOR 0
ROUTE INDICATOR
REFERENCE PATH DATA SELECTOR 0
REFERENCE PATH IDENTIFIER (APPROACH ID) W32A
LTP/FTP LATITUDE 400153.2915N
LTP/FTP LONGITUDE 0881555.7590W
LTP/FTP ELLIPSOIDAL HEIGHT +01962
FPAP LATITUDE 400251.9000N
FPAP LONGITUDE 0881710.4200W
THRESHOLD CROSSING HEIGHT (TCH) 00052.4
TCH UNITS SELECTOR (METERS OR FEET USED) F
GLIDEPATH ANGLE (GPA) 03.00
COURSE WIDTH AT THRESHOLD 106.75
LENGTH OFFSET 0064
HORIZONTAL ALERT LIMIT (HAL) 40.0
VERTICAL ALERT LIMIT (VAL) 50.0

CRC REMAINDER

0CD2D31D

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K5
LTP ORTHOMETRIC HEIGHT +02282
FPAP ORTHOMETRIC HEIGHT +02282

CITY AND STATE

CHAMPAIGN/URBANA, IL

ELEVATION: 754

TDZE: 749

AIRPORT NAME:

UNIVERSITY OF ILLINOIS-WILLARD

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 32R, ORIG

20 NOV 2008

SUP:

AMDT: NONE

DATED:

QUALITY
3
D

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

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KCMIK5FR32R	ACMI	010CMI	K5D 0V	IF					18000		A JS	
SUSAP	KCMIK5FR32R	ACMI	020DEBEK5EA0EY	020TF		13460125		+ 02600				A JS	
SUSAP	KCMIK5FR32R	ACMI	030DEBEK5EA0EB	CR HF		31570040		+ 02600				A JS	
SUSAP	KCMIK5FR32R	ANWMY	010NEWMYK5EA0E	A IF						18000		A JS	
SUSAP	KCMIK5FR32R	ANWMY	020DEBEK5EA0EE	010TF		28560070		+ 02600				A JS	
SUSAP	KCMIK5FR32R	AOCTOE	010OCTOEK5EA0E	IF						18000		A JS	
SUSAP	KCMIK5FR32R	AOCTOE	020SUGKOK5EA0E	A 020TF		17230106		+ 02600				A JS	
SUSAP	KCMIK5FR32R	AOCTOE	030DEBEK5EA0EE	010TF		22580050		+ 02600				A JS	
SUSAP	KCMIK5FR32R	ATUSCO	010TUSCOK5EA0E	IF						18000		A JS	
SUSAP	KCMIK5FR32R	ATUSCO	020TULKEK5EA0E	A 020TF		06680060		+ 02600				A JS	
SUSAP	KCMIK5FR32R	ATUSCO	030DEBEK5EA0EE	010TF		04570050		+ 02600				A JS	
SUSAP	KCMIK5FR32R	R	010ODEBEK5EA0E	I IF				+ 02600		18000		A JS	

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.

SUSAP	KCMIK5FR32R	R	020ZAGMOK5EA1E	F 051TF	31570064	+	02600		RW32R K5PGA	JS
SUSAP	KCMIK5FR32R	R	020ZAGMOK5EA2WALPV	ALNAV/VNAV ALNAV						JS
SUSAP	KCMIK5FR32R	R	021NUVIYK5EA0E	S 031TF	31570032	V	0156001571	-300		A JS
SUSAP	KCMIK5FR32R	R	030RW32RK5PGOGY	M 031TF	31570024		00801	-300		A JS
SUSAP	KCMIK5FR32R	R	040HIPUBK5EA0E	M 010DF			+	02800		A JS
SUSAP	KCMIK5FR32R	R	050LODGEK5EA0EY	010TF	2835		+	02800		A JS
SUSAP	KCMIK5FR32R	R	060LODGEK5EA0EE	HL020HM	11640050		+	02800		A JS

[illegible]

SUSAP KCMIK5GRW32R 0081023156 N40015329W088155576+0100 +0196200749000052150R

[illegible]

SUSAP	KCMIK5PR32R	RW32R001	0000W32A0N4001532915W08815557590+019620300N4002519000W08817104200106750064000524F4005000CD2D31D
SUSAP	KCMIK5PR32R	RW32R002E	+02282+02282LPV 61110 000

[illegible]

SUSAP KCMIK5SRW32RK5PG	0	18018003125	M

CITY AND STATE CHAMPAIGN/URBANA, IL	ELEVATION: 754 TDZE: 749 AIRPORT NAME: UNIVERSITY OF ILLINOIS-WILLARD	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 32R, ORIG 20 NOV 2008	SUP:
				AMDT: NONE
				DATED: <i>20/11/08</i>

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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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ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE
	CMI	CMI	010		IF		FB				
	CMI	ODEBE	020		TF		FO	2.0	134.6(135T)	012.5	02600
	CMI	ODEBE	030		HF	R	FO		315.7(316T)	004.0	02600
	NEWMY	NEWMY	010	IAF	IF		FB				
	NEWMY	ODEBE	020		TF		FB	1.0	285.6(286T)	007.0	02600
	OCTOE	OCTOE	010		IF		FB				
	OCTOE	SUGKO	020	IAF	TF		FB	2.0	172.3(172T)	010.6	02600
	OCTOE	ODEBE	030		TF		FB	1.0	225.8(226T)	005.0	02600
	TUSCO	TUSCO	010		IF		FB				
	TUSCO	TULKE	020	IAF	TF		FB	2.0	066.8(067T)	006.0	02600
	TUSCO	ODEBE	030		TF		FB	1.0	045.7(046T)	005.0	02600
		ODEBE	010	FACF	IF		FB				02600
		ZAGMO	020	FAF	TF		FB	0.5	315.7(316T)	006.4	02600
		NUVIY	021	SDF	TF		FB	0.3	315.7(316T)	003.2	01560
		RW32R	030	MAP	TF		FO	0.3	315.7(316T)	002.4	00801

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE
	HIPUB	040		DF		FB	1.0			02800
	LODGE	050		TF		FO	1.0	283.5(284T)		02800
	LODGE	060		HM	L	FO	2.0	116.4(116T)	005.0	02800

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CMI	N400204.29	W0881633.76	N4002.072	W08816.563
	HIPUB	N400653.42	W0882218.79	N4006.890	W08822.313
	LODGE	N400835.76	W0883134.60	N4008.596	W08831.577
	NEWMY	N395126.22	W0875619.21	N3951.437	W08756.320
	NUVIY	N400010.29	W0881344.67	N4000.172	W08813.745
	OCTOE	N400717.43	W0880212.71	N4007.291	W08802.212
	ODEBE	N395317.87	W0880501.42	N3953.298	W08805.024
	SUGKO	N395647.35	W0880022.10	N3956.789	W08800.368
	TULKE	N394948.20	W0880940.26	N3949.803	W08809.671
	TUSCO	N394726.51	W0881649.69	N3947.442	W08816.828
	ZAGMO	N395754.47	W0881052.07	N3957.908	W08810.868
	RW32R	N400153.29	W0881555.76	N4001.888	W08815.929

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH

CITY AND STATE

CHAMPAIGN/URBANA, IL

ELEVATION: 754

TDZE: 749

AIRPORT NAME:

UNIVERSITY OF ILLINOIS-WILLARD

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 32R, ORIG

20 NOV 2008

SUP:

AMDT:

NONE

DATED:

QUALITY
CHECKED

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
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.

RW32R 00749

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CITY AND STATE
CHAMPAIGN/URBANA, IL

ELEVATION: 754 TDZE: 749
AIRPORT NAME:
UNIVERSITY OF ILLINOIS-WILLARD

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 32R, ORIG
20 NOV 2008

SUP:
AMDT: NONE
DATED:

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE
FAR PART 97.29

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

TERMINAL ROUTES				MISSED APPROACH				
FROM	TO	COURSE AND DISTANCE	ALTITUDE					
TRYXI INT/I-SAJ 15.72 DME/RADAR (IF)	DOOGY INT/I-SAJ 9.86 DME/RADAR	093.00 / 5.86 (I-SAJ)	4000**	ILS: DA LOC: 4.89 MILES AFTER ZENAH INT/SAJ 4.73 DME/RADAR OR AT I-SAJ 0.17 DME FIX CLIMB TO 1100 THEN CLIMBING LEFT TURN TO 4000 VIA OBK VOR/DME R-166 TO OBK VOR/DME AND HOLD; OR WHEN DIRECTED BY ATC, CLIMB TO 1100 THEN CLIMBING LEFT TURN TO 4000 VIA HEADING 058 AND ORD VOR/DME R-045 TO DEERE INT/ORD 18.48 DME AND HOLD NE, RT, 224.57 INBOUND.				
DOOGY INT/I-SAJ 9.86 DME/RADAR	ZENAH INT/I-SAJ 4.73 DME/RADAR	093.00 / 5.13 (I-SAJ)	2300					
				ADDITIONAL FLIGHT DATA: HOLD W, RT, 092.00 INBOUND. CHART: ALTERNATE MA HOLDING, HOLD NE DEERE INT/ORD 18.48 DME, RT, 224.57 INBOUND. CHART FAS OBST: 778 POWERLINE 420007N/0875846W 899 AAO 420045.00N/0880003.00W CHART I-SAJ DME ANTENNA IN PROFILE. CHART LOC RWY 10. CHART LOC RWY 9R. CHART VDP AT 0.96 DME; DISTANCE VDP TO THLD 1.11 MILES. CHART IN PLANVIEW: DEERE INT/ORD 18.48 DME.				
1. PT <u>NA</u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. PROFILE STARTS AT TRYXI 3. FAC: <u>093.00</u> FAF: <u>ZENAH INT/I-SAJ 4.73 DME/RADAR</u> DIST FAF TO MAP: <u>4.89</u> THLD: <u>4.89</u> 4. MIN. ALT: <u>TRYXI 4000, DOOGY 4000**, ZENAH 2300, OGSIE/I-SAJ 2.95 DME 1720*</u> 5. DIST TO THLD FROM OM: <u>4.89</u> MM: <u>-</u> IM: <u>860</u> 150 HAT: <u>-</u> 100 HAT: <u>859</u> GS ANT: <u>1160</u> 6. MIN GS INCPT: <u>2300</u> GS ALT AT: <u>ZENAH INT/I-SAJ 4.73 DME/RADAR CONT.</u> OM: <u>-</u> MM: <u>-</u> IM: <u>768</u> 7. GS ANGLE: <u>3.00</u> TCH: <u>55.0</u> 8. MSA FROM: <u>ORD VOR/DME 3400</u>				MAG VAR: 3W EPOCH YEAR: 2010				
MINIMUMS								
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N A	ILS: #	LOC: @		
CATEGORY ==>	A			B			C	
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS
S-ILS 9L	868	1800	200	868	1800	200	868	1800
S-LOC 9L	1720	4000	1052	1720	5000	1052	1720	2 1/2
CIRCLING	1720	1 1/4	1048	1720	1 1/2	1048	1720	3
OGSIE FIX MINIMUMS								
S-LOC 9L	1080	2400	412	1080	2400	412	1080	4000
CIRCLING	1220	1	548	1220	1	548	1240	2
NOTES: CATEGORY II ILS SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED. S-ILS 9L: DA 768 MSL, 104 RA, RVR 1200, HAT 100; CAT A, B, C, D. CATEGORY III ILS SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED. S-ILS 9L: CAT IIIA RVR 700; CAT A, B, C, D. CAT IIIB RVR 600; CAT A, B, C, D. CAT IIIC NA. SEE 8260-10								
CITY AND STATE			ELEVATION: 672 TDZE: 668		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	
CHICAGO, IL			AIRPORT NAME:		I-SAJ		ILS OR LOC RWY 9L, ORIG ILS RWY 9L (CAT II), ILS RWY 9L (CAT III) 20 NOV 2008	
			CHICAGO-O'HARE INTL				SUP: NONE DATED	

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.29

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LINE 6 GS ALT AT CONT. 2300

NOTES CONT.

CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED WITH RWY 9R AND 10.

CHART PLANVIEW NOTE: RADAR REQUIRED.

*LOC ONLY

CHART PROFILE NOTE: **WHEN ASSIGNED BY ATC, INTERCEPT GLIDEPATH AT 4000.

CHART NOTE: LOC PROCEDURE NA DURING SIMULTANEOUS OPERATIONS.

CITY AND STATE

CHICAGO, IL

ELEVATION: 672 TDZE: 668

AIRPORT NAME:

CHICAGO-O'HARE INTL

FACILITY
IDENTIFIER:

I-SAJ

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

ILS OR LOC RWY 9L, ORIG
ILS RWY 9L (CAT II), ILS RWY 9L (CAT III)
20 NOV 2008

SUP:

AMDT: NONE

DATED:

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE
FAR PART 97.29

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

TERMINAL ROUTES				MISSED APPROACH	
FROM	TO	COURSE AND DISTANCE	ALTITUDE		
WASCO/20.19 DME/RADAR (IF)	GEMMS/17.33 DME/RADAR	092.98 / 2.86 (I-JAV)	6000##	ILS: DA LOC: 4.90 MILES AFTER LANSE INT/I-JAV 6.34 DME/RADAR OR AT I-JAV 1.44 DME FIX	
GEMMS/17.33 DME/RADAR	CHILR/14.42 DME/RADAR	092.98 / 2.91 (I-JAV)	5000##	CLIMB TO 4000 VIA ORD VOR/DME R-089 TO GRABL INT/ORD 19.50 DME/RADAR AND HOLD; OR WHEN DIRECTED BY ATC, CLIMB TO 1200 THEN CLIMBING LEFT TURN TO 4000 VIA HEADING 022 AND DPA VOR/DME R-065 TO THORR INT/DPA 36.33 DME AND HOLD NE, RT, 245.14 INBOUND.	
CHILR/14.42 DME/RADAR	DEVON/11.47 DME/RADAR	092.98 / 2.95 (I-JAV)	4000##		
DEVON/11.47 DME/RADAR	LANSE INT/I-JAV 6.34 DME/RADAR	092.98 / 5.12 (I-JAV)	2300		
				ADDITIONAL FLIGHT DATA: HOLD E, RT, 268.65 INBOUND. CHART: ALTERNATE MA HOLDING, HOLD NE THORR INT/DPA 36.33 DME, RT, 245.14 INBOUND. FAS OBST: 829 TREE 415856N/0875854W CHART 1413 TOWER 415926N/0880139W. CHART LOC RWY 10. CHART LOC RWY 9L. CHART VDP AT 2.53 DME; DISTANCE VDP TO THLD 1.09 MILES. CHART IN PLANVIEW: THORR INT/DPA 36.33 DME.	
1. PT <u>NA</u> SIDE OF COURSE <u>OUTBOUND</u> <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. PROFILE STARTS AT WASCO 3. FAC: <u>092.98</u> FAF: <u>LANSE INT/I-JAV 6.34 DME/RADAR</u> DIST FAF TO MAP: <u>4.90</u> THLD: <u>4.90</u> 4. MIN. ALT: <u>WASCO 7000, GEMMS 6000##, CHILR 5000##, DEVON 4000##, LANSE 2300, YONUT INT/I-JAV 4.43 DME 1680*</u> 5. DIST TO THLD FROM OM: <u>4.90</u> MM: <u>-</u> IM: <u>-</u> 150 HAT: <u>-</u> 100 HAT: <u>-</u> GS ANT: <u>1115</u> 6. MIN GS INCPT: <u>2300</u> GS ALT AT: <u>LANSE INT/I-JAV 6.34 DME/RADAR CONT.</u> OM: <u>-</u> MM: <u>-</u> IM: <u>-</u> 7. GS ANGLE: <u>3.00</u> TCH: <u>57.4</u> 8. MSA FROM: <u>ORD VOR/DME 3400</u>					
				MAG VAR: 3W EPOCH YEAR: 2010	

MINIMUMS																	
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE: N A			ILS: #		LOC: @					
CATEGORY ==>			A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA		
S-ILS 9R	860	1800	200	860	1800	200	860	1800	200	860	1800	200					
S-LOC 9R	1680	4000	1020	1680	5000	1020	1680	2 1/2	1020	1680	2 1/2	1020					
CIRCLING	1680	1 1/4	1008	1680	1 1/2	1008	1680	3	1008	1680	3	1008					
YONUT FIX MINIMUMS																	
S-LOC 9R	1080	2400	420	1080	2400	420	1080	4000	420	1080	4000	420					
CIRCLING	1220	1	548	1220	1	548	1220	1 1/2	548	1240	2	568					

NOTES:
 CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED WITH RWY 9L AND 10.
 CHART NOTE: DME OR RADAR REQUIRED.
 CHART PLANVIEW NOTE: RADAR REQUIRED.
 CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT.
 SEE 8260-10

CAT A, B 1100-2, CAT C, D 1100-3
 @ CAT A, B 1100-2, CAT C, D 1100-3

CITY AND STATE CHICAGO, IL	ELEVATION: 672 TDZE: 660 AIRPORT NAME: CHICAGO-O'HARE INTL	FACILITY IDENTIFIER: I-JAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 9R, AMDT 9 20 NOV 2008	SUP: AMDT: 8 DATED 08/30/2007

ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.29

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

LINE 6 GS ALT AT CONT. 2300

NOTES CONT.

*LOC ONLY

CHART PROFILE NOTE: ##WHEN ASSIGNED BY ATC, INTERCEPT GLIDEPATH AT 4000 OR 5000 OR 6000.

CHART NOTE: LOC PROCEDURE NA DURING SIMULTANEOUS OPERATIONS.

CITY AND STATE

CHICAGO, IL

ELEVATION: 672 TDZE: 660

AIRPORT NAME:

CHICAGO-O'HARE INTL

FACILITY
IDENTIFIER:

I-JAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

ILS OR LOC RWY 9R, AMDT 9

20 NOV 2008

SUP:

AMDT:

8

DATED:

08/30/2007

ILS - STANDARD INSTRUMENT APPROACH PROCEDURE FAR PART 97.29				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.											
TERMINAL ROUTES								MISSED APPROACH							
FROM		TO		COURSE AND DISTANCE		ALTITUDE		ILS: DA LOC: 4.65 MILES AFTER TAFS INT/IAC 4.52 DME/RADAR OR AT IAC 0.14 DME FIX CLIMB TO 4000 VIA ORD VOR/DME R-267 TO WASCO INT/ORD 19.35 DME/RADAR AND HOLD; OR WHEN DIRECTED BY ATC, CLIMB TO 1200 THEN CLIMBING RIGHT TURN TO 4000 VIA HEADING 295 AND CGT VORTAC R-322 TO UKUNE INT/CGT 48.00 DME/RADAR AND HOLD NW, RT, 142.31 INBOUND. ADDITIONAL FLIGHT DATA: HOLD W, RT, 087.32 INBOUND. CHART: ALTERNATE MA HOLDING, HOLD NW UKUNE INT/CGT 48.00 DME/RADAR, RT, 142.31 INBOUND. CHART FAS OBST: 816 BLDG 415859N/0875044W CHART 860 TOWER 415853N/0874620W CHART IAC DME ANTENNA IN PROFILE. CHART LOC RWY 27R. CHART LOC RWY 28. CHART VDP AT 1.01 DME; DISTANCE VDP TO THLD 1.14 MILES. CHART IN PLANVIEW: UKUNE INT/CGT 48.00 DME/RADAR.							
GRABL/18.66 DME/RADAR (IF)		RIPPR/15.80 DME/RADAR		273.00 / 2.86 (I-IAC)		6000##									
RIPPR/15.80 DME/RADAR		BASHH/12.90 DME/RADAR		273.00 / 2.91 (I-IAC)		5000##									
BASHH/12.90 DME/RADAR		EBENS/9.95 DME/RADAR		273.00 / 2.95 (I-IAC)		4000##									
EBENS/9.95 DME/RADAR		TAFS INT/IAC 4.52 DME/RADAR		273.00 / 5.43 (I-IAC)		2200									
1. PT NA SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF) 2. PROFILE STARTS AT GRABL 3. FAC: 273.00 FAF: TAFS INT/IAC 4.52 DME/RADAR DIST FAF TO MAP: 4.65 THLD: 4.65 4. MIN. ALT: GRABL 7000, RIPPR 6000##, BASHH 5000##, EBENS 4000##, TAFS 2200 5. DIST TO THLD FROM OM: 4.65 MM: - IM: 860 150 HAT: - 100 HAT: 983 GS ANT: 1040 6. MIN GS INCPT: 2200 GS ALT AT: TAFS INT/IAC 4.52 DME/RADAR CONT. OM: - MM: - IM: 747 7. GS ANGLE: 3.00 TCH: 51.5 8. MSA FROM: ORD VOR/DME 3400								MAG VAR: 3W EPOCH YEAR: 2005							
MINIMUMS															
TAKEOFF:	STANDARD	X	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 27L	853	1800	200	853	1800	200	853	1800	200	853	1800	200			
S-LOC 27L	1080	2400	427	1080	2400	427	1080	4000	427	1080	5000	427			
CIRCLING	1220	1	548	1220	1	548	1220	1 1/2	548	1240	2	568			
NOTES: CATEGORY II ILS SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED. S-ILS 27L: DA 753 MSL, 102 RA, RVR 1200, HAT 100; CAT A, B, C, D. CATEGORY III ILS SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED. S-ILS 27L: CAT IIIA RVR 700; CAT A, B, C, D. CAT IIIB RVR 600; CAT A, B, C, D. CAT IIIC NA. SEE 8260-10															
CITY AND STATE				ELEVATION: 672 TDZE: 653		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:			
CHICAGO, IL				AIRPORT NAME:		I-IAC		ILS OR LOC RWY 27L, AMDT 28 ILS RWY 27L (CAT II), ILS RWY 27L (CAT III) 20 NOV 2008				AMDT: 27A			
				CHICAGO-O'HARE INTL								DATED 02/14/2008			

ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.29

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

LINE 6 GS ALT AT CONT. 2200

NOTES CONT.

CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED WITH RWY 27R AND 28.

CHART NOTE: DME OR RADAR REQUIRED.

CHART PLANVIEW NOTE: RADAR REQUIRED.

CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT.

CHART PROFILE NOTE: ##WHEN ASSIGNED BY ATC, INTERCEPT GLIDEPATH AT 4000 OR 5000 OR 6000.

CHART NOTE: LOC PROCEDURE NA DURING SIMULTANEOUS OPERATIONS.

CHART NOTE: LIGHT POLES AND SIGN UP TO 739 MSL LOCATED BETWEEN 580 FT AND 980 FT SOUTH OF RWY.

CITY AND STATE

CHICAGO, IL

ELEVATION: 672 TDZE: 653

AIRPORT NAME:

CHICAGO-O'HARE INTL

FACILITY
IDENTIFIER:

I-IAC

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

ILS OR LOC RWY 27L, AMDT 28
ILS RWY 27L (CAT II), ILS RWY 27L (CAT III)

20 NOV 2008

SUP:

AMDT: 27A

DATED: 02/14/2008

ILS - STANDARD INSTRUMENT APPROACH PROCEDURE FAR PART 97.29				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.											
TERMINAL ROUTES				MISSED APPROACH											
FROM	TO	COURSE AND DISTANCE	ALTITUDE	ILS: DA LOC: 4.59 MILES AFTER SIBLY INT/I-ABU 5.98 DME/RADAR OR AT I-ABU 1.39 DME FIX CLIMB TO 1100 THEN CLIMBING RIGHT TURN TO 4000 VIA OBK VOR/DME R-183 TO OBK VOR/DME AND HOLD; OR WHEN DIRECTED BY ATC, CLIMB TO 1200 THEN CLIMBING RIGHT TURN TO 4000 VIA HEADING 008 AND ORD VOR/DME R-333 TO UMUZI INT/ORD 17.86 DME AND HOLD NW, RT, 152.65 INBOUND. ADDITIONAL FLIGHT DATA: HOLD W, RT, 092.00 INBOUND. CHART: ALTERNATE MA HOLDING, HOLD NW UMUZI INT/ORD 17.86 DME, RT, 152.65 INBOUND. CHART FAS OBST: 802 TOWER 420008N/0875159W CHART LOC RWY 27L. CHART LOC RWY 28. CHART VDP AT 2.45 DME; DISTANCE VDP TO THLD 1.06 MILES. CHART IN PLANVIEW: UMUZI INT/ORD 17.86 DME.											
HAREE INT/I-ABU 17.27 DME/RADAR (IF)	BONZO INT/I-ABU 11.41 DME/RADAR	273.02 / 5.86 (I-ABU)	4000*												
BONZO INT/I-ABU 11.41 DME/RADAR	SIBLY INT/I-ABU 5.98 DME/RADAR	273.02 / 5.43 (I-ABU)	2200												
1. PT <u>NA</u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. PROFILE STARTS AT HAREE 3. FAC: <u>273.02</u> FAF: <u>SIBLY INT/I-ABU 5.98 DME/RADAR</u> DIST FAF TO MAP: <u>4.59</u> THLD: <u>4.59</u> 4. MIN. ALT: <u>HAREE 4000, BONZO 4000*, SIBLY 2200</u> 5. DIST TO THLD FROM OM: <u>4.59</u> MM: <u>-</u> IM: <u>860</u> 150 HAT: <u>-</u> 100 HAT: <u>870</u> GS ANT: <u>1136</u> 6. MIN GS INCPT: <u>2200</u> GS ALT AT: <u>SIBLY INT/I-ABU 5.98 DME/RADAR CONT.</u> OM: <u>-</u> MM: <u>-</u> IM: <u>764</u> 7. GS ANGLE: <u>3.00</u> TCH: <u>54.9</u> 8. MSA FROM: <u>ORD VOR/DME 3400</u>				MAG VAR: 3W EPOCH YEAR: 2010											
MINIMUMS															
TAKEOFF:	STANDARD	X	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 27R	864	1800	200	864	1800	200	864	1800	200	864	1800	200			
S-LOC 27R	1060	2400	396	1060	2400	396	1060	2400	396	1060	4000	396			
CIRCLING	1220	1	548	1220	1	548	1220	1 1/2	548	1240	2	568			
NOTES: CATEGORY II ILS SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED. S-ILS 27R: DA 764 MSL, 101 RA, RVR 1200, HAT 100; CAT A, B, C, D. CATEGORY III ILS SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED. S-ILS 27R: CAT IIIA RVR 700; CAT A, B, C, D. CAT IIIB RVR 600; CAT A, B, C, D. CAT IIIC NA. SEE 8260-10															
CITY AND STATE				ELEVATION: 672 TDZE: 664		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:			
CHICAGO, IL				AIRPORT NAME:		I-ABU		ILS OR LOC RWY 27R, ORIG ILS RWY 27R (CAT II), ILS RWY 27R (CAT III) 20 NOV 2008				AMDT: NONE			
				CHICAGO-O'HARE INTL								DATED			

 QUALITY
CHECKED

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS - STANDARD

INSTRUMENT APPROACH PROCEDURE - FAR PART 97.29

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

LINE 6 GS ALT AT CONT. 2200

NOTES CONT.

CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED WITH RWY 27L AND 28.

CHART PLANVIEW NOTE: RADAR REQUIRED.

CHART PROFILE NOTE: *WHEN ASSIGNED BY ATC, INTERCEPT GLIDEPATH AT 4000.

CHART NOTE: LOC PROCEDURE NA DURING SIMULTANEOUS OPERATIONS.

CITY AND STATE

CHICAGO, IL

ELEVATION: 672 TDZE: 664

AIRPORT NAME:

CHICAGO-O'HARE INTL

FACILITY
IDENTIFIER:

I-ABU

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

ILS OR LOC RWY 27R, ORIG
ILS RWY 27R (CAT II), ILS RWY 27R (CAT III)
20 NOV 2008

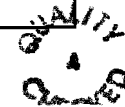
SUP:

AMDT: NONE

DATED:

QUALITY
A
CHECKED

RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE 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.											
TERMINAL ROUTES				MISSED APPROACH											
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LPV: DA LNAV/VNAV: DA LNAV: RW09L CLIMB TO 4000 DIRECT SIBLY AND VIA 039.06 TRACK TO DEERE AND HOLD. ADDITIONAL FLIGHT DATA: HOLD NE, RT, 219.06 INBOUND. CHART FAS OBST: 776 ELEVTR 420000N/0875613W CHART FAS OBST: 829 TREE 415932N/0875847W 899 AAO 420059.00N/0875953.00W DISTANCE TO THLD FROM 276 HAT: 0.69 NM. CHART VDP AT 1.31 MILES TO RW09L* *LNAV ONLY. WAAS CHANNEL # 99508 REFERENCE PATH ID: W09B											
TRYXI (IF)	DOOGY (FB)	092.76 / 5.86	4000												
DOOGY	ZENAH (FB)	092.85 / 5.13	2300												
1. PT NA SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. PROFILE STARTS AT TRYXI 3. FAC: 092.93 FAF: ZENAH DIST FAF TO MAP: 4.89 THLD: 4.89 4. MIN. ALT: TRYXI 4000, DOOGY 4000, ZENAH 2300, OGSIE/3.10 NM TO RW09L 1720* 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 2300 GS ALT AT: ZENAH OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 55.0 34:1 IS CLEAR 8. MSA FROM: RW09L 3400				MAG VAR: 3W EPOCH YEAR: 2010											
MINIMUMS															
TAKEOFF:	STANDARD	X	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	944	2400	276	944	2400	276	944	2400	276	944	2400	276			
LNAV/VNAV DA	1106	5000	438	1106	5000	438	1106	5000	438	1106	5000	438			
LNAV MDA	1140	2400	472	1140	2400	472	1140	4000	472	1140	5000	472			
CIRCLING	1220	1	548	1220	1	548	1220	1 1/2	548	1240	2	568			
NOTES: CHART NOTE: FOR INOPERATIVE ALSF-2, INCREASE LPV ALL CATS VISIBILITY TO RVR 5000. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C (4F) OR ABOVE 47C (116F). CHART NOTE: DME/DME RNP-0.3 NA. CHART PLANVIEW NOTE: RADAR REQUIRED. *LNAV ONLY															
CITY AND STATE		ELEVATION: 672 TDZE: 668		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:					
CHICAGO, IL		AIRPORT NAME:		RNAV		RNAV (GPS) RWY 9L, ORIG				AMDT: NONE					
		CHICAGO-O'HARE INTL				20 NOV 2008				DATED					



U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
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 KORD
RUNWAY RW09L
APPROACH PERFORMANCE DESIGNATOR 0
ROUTE INDICATOR
REFERENCE PATH DATA SELECTOR 0
REFERENCE PATH IDENTIFIER (APPROACH ID) W09B
LTP/FTP LATITUDE 420010.1955N
LTP/FTP LONGITUDE 0875536.0325W
LTP/FTP ELLIPSOIDAL HEIGHT +01700
FPAP LATITUDE 420010.1900N
FPAP LONGITUDE 0875356.5600W
THRESHOLD CROSSING HEIGHT (TCH) 00055.0
TCH UNITS SELECTOR (METERS OR FEET USED) F
GLIDEPATH ANGLE (GPA) 03.00
COURSE WIDTH AT THRESHOLD 106.75
LENGTH OFFSET 0000
HORIZONTAL ALERT LIMIT (HAL) 40.0
VERTICAL ALERT LIMIT (VAL) 50.0

CRC REMAINDER

AEEEDA34

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K5
LTP ORTHOMETRIC HEIGHT +02036
FPAP ORTHOMETRIC HEIGHT +02036

CITY AND STATE

CHICAGO, IL

ELEVATION: 672 TDZE: 668

AIRPORT NAME:

CHICAGO-O'HARE INTL

FACILITY
IDENTIFIER:

RNAV

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

RNAV (GPS) RWY 9L, ORIG

20 NOV 2008

SUP:

AMD'T: NONE

DATED:

QUALITY
CHECKED

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are 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 CHICAGO, IL	ELEVATION: 672 TDZE: 668 AIRPORT NAME: CHICAGO-O'HARE INTL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 9L, ORIG 20 NOV 2008	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]

DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
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.

ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE
		TRYXI	010	FACF	IF		FB				
		DOOGY	011	SDF	TF		FB	0.5	092.8(090T)	005.9	04000
		ZENAH	020	FAF	TF		FB	0.5	092.9(090T)	005.1	02300
		OGSIE	021	SDF	TF		FB	0.3	092.9(090T)	001.8	01720
		RW09L	030	MAP	TF		FO	0.3	092.9(090T)	003.1	00723

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE
	SIBLY	040		DF		FB	1.0			
	DEERE	050		TF		FO	1.0	039.1(036T)		04000
	DEERE	060		HM	R	FO	2.0	219.1(216T)	004.0	04000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	DEERE	N421156.88	W0873614.05	N4211.948	W08736.234
	DOOGY	N420009.41	W0880901.69	N4200.157	W08809.028
	OGSIE	N420010.12	W0875945.51	N4200.169	W08759.759
	SIBLY	N420009.93	W0874747.01	N4200.166	W08747.784
	TRYXI	N420008.23	W0881653.07	N4200.137	W08816.885
	ZENAH	N420010.01	W0880209.21	N4200.167	W08802.154
	RW09L	N420010.20	W0875536.03	N4200.170	W08755.601

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW09L	00668	55

CITY AND STATE CHICAGO, IL	ELEVATION: 672 TDZE: 668	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 9L, ORIG 20 NOV 2008	SUP:
	AIRPORT NAME: CHICAGO-O'HARE INTL			AMDT: NONE
				DATED:

QUALITY
CHECKED

RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE 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.								
TERMINAL ROUTES				MISSED APPROACH								
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LPV: DA LNAV/VNAV: DA LNAV: RW09R CLIMB TO 4000 DIRECT GRABL AND HOLD. ADDITIONAL FLIGHT DATA: HOLD E, RT, 272.98 INBOUND. CHART FAS OBST: 812 POLE 415844N/0875620W CHART 1413 TOWER 415926N/0880139W DISTANCE TO THLD FROM 316 HAT: 0.81 NM. CHART VDP AT 1.34 MILES TO RW09R* *LNAV ONLY. WAAS CHANNEL # 78204 REFERENCE PATH ID: W09A								
WASCO (IF)	GEMMS (FB)	092.70 / 2.86	6000##									
GEMMS	CHILR (FB)	092.74 / 2.91	5000##									
CHILR	DEVON (FB)	092.79 / 2.95	4000##									
DEVON	LANSE (FB)	092.83 / 5.12	2300									
1. PT NA SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF) 2. PROFILE STARTS AT WASCO 3. FAC: 092.91 FAF: LANSE DIST FAF TO MAP: 4.90 THLD: 4.90 4. MIN. ALT: WASCO 7000##, GEMMS 6000##, CHILR 5000##, DEVON 4000##, LANSE 2300, IKUYA/2.20 NM TO RW09R 1420* 5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT: 6. MIN GS INCPT: 2300 GS ALT AT: LANSE OM: MM: IM: 7. GS ANGLE: 3.00 TCH: 57.4 34:1 IS CLEAR 8. MSA FROM: RW09R 3400				MAG VAR: 3W EPOCH YEAR: 2010								
MINIMUMS												
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N A	STANDARD							
CATEGORY =====>	A		B		C		D		E			
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	976	2400	316	976	2400	316	976	2400	316			
LNAV/VNAV DA	1097	5000	437	1097	5000	437	1097	5000	437			
LNAV MDA	1160	2400	500	1160	2400	500	1160	4000	500	1160	5000	500
CIRCLING	1220	1	548	1220	1	548	1220	1 1/2	548	1240	2	568
NOTES: CHART NOTE: FOR INOPERATIVE MALSR, INCREASE LPV ALL CATS VISIBILITY TO RVR 5000. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C (4F) OR ABOVE 47C (116F). CHART NOTE: DME/DME RNP-0.3 NA. CHART PLANVIEW NOTE: RADAR REQUIRED. SEE 8260-10												
CITY AND STATE		ELEVATION: 672 TDZE: 660		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:		SUP:				
CHICAGO, IL		AIRPORT NAME: CHICAGO-O'HARE INTL				RNAV (GPS) RWY 9R, AMDT 2		AMDT: 1				
						20 NOV 2008		DATED 08/30/2007				

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - 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.

NOTES CONT.

CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.

*LNAV ONLY

CHART PLANVIEW AND PROFILE NOTE: ##2500 WHEN ASSIGNED BY ATC.

CITY AND STATE

CHICAGO, IL

ELEVATION: 672 TDZE: 660

AIRPORT NAME:

CHICAGO-O'HARE INTL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 9R, AMDT 2

20 NOV 2008

SUP:

AMDT: 1

DATED: 08/30/2007

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 INFORMATIONDATA FIELDDATA

OPERATION TYPE 0
SBAS SERVICE PROVIDER IDENTIFIER 0
AIRPORT IDENTIFIER KORD
RUNWAY RW09R
APPROACH PERFORMANCE DESIGNATOR 0
ROUTE INDICATOR
REFERENCE PATH DATA SELECTOR 0
REFERENCE PATH IDENTIFIER (APPROACH ID) W09A
LTP/FTP LATITUDE 415902.0300N
LTP/FTP LONGITUDE 0875506.0700W
LTP/FTP ELLIPSOIDAL HEIGHT +01675
FPAP LATITUDE 415902.0400N
FPAP LONGITUDE 0875320.5800W
THRESHOLD CROSSING HEIGHT (TCH) 00057.4
TCH UNITS SELECTOR (METERS OR FEET USED) F
GLIDEPATH ANGLE (GPA) 03.00
COURSE WIDTH AT THRESHOLD 106.75
LENGTH OFFSET 0000
HORIZONTAL ALERT LIMIT (HAL) 40.0
VERTICAL ALERT LIMIT (VAL) 50.0

CRC REMAINDER

260A3A33

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K5
LTP ORTHOMETRIC HEIGHT +02011
FPAP ORTHOMETRIC HEIGHT +02011

CITY AND STATE

CHICAGO, IL

ELEVATION: 672 TDZE: 660

AIRPORT NAME:

CHICAGO-O'HARE INTL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 9R, AMDT 2

20 NOV 2008

SUP:

AMDT: 1

DATED: 08/30/2007

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

[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KORDK5FR09R	R	010WAS	COK5EA0E	I	IF					18000		A JS	
SUSAP KORDK5FR09R	R	011GEMMSK5EA0E	S	051TF		09270029		+ 06000				A JS	
SUSAP KORDK5FR09R	R	012CHILRK5EA0E	S	051TF		09270029		+ 05000				A JS	
SUSAP KORDK5FR09R	R	013DEVONK5EA0E	S	051TF		09280030		+ 04000				A JS	
SUSAP KORDK5FR09R	R	020LANSEK5EA1E	F	051TF		09280051		+ 02300			RW09R K5PGA	JS	
SUSAP KORDK5FR09R	R	020LANSEK5EA2WALPV			ALNAV/VNAV	ALNAV						JS	
SUSAP KORDK5FR09R	R	021IKUYAK5EA0E	S	031TF		09290027		V 0142001423		-300		A JS	
SUSAP KORDK5FR09R	R	030RW09RK5PG0GY	M	031TF		09290022		00717		-300		A JS	
SUSAP KORDK5FR09R	R	040GRABLK5EA0EYM		010DF				+ 04000				A JS	
SUSAP KORDK5FR09R	R	050GRABLK5EA0EE		HR020HM		27300040		+ 04000				A JS	

[illegible][illegible]

CITY AND STATE CHICAGO, IL	ELEVATION: 672 TDZE: 660 AIRPORT NAME: CHICAGO-O'HARE INTL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 9R, AMDT 2 20 NOV 2008	SUP:
				AMDT: 1
				DATED: 08/30/2007

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]

SUP:	
AMDT:	1
DATED:	08/30/2007

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
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.

ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE
		WASCO	010	FACF	IF		FB				
		GEMMS	011	SDF	TF		FB	0.5	092.7(090T)	002.9	06000
		CHILR	012	SDF	TF		FB	0.5	092.7(090T)	002.9	05000
		DEVON	013	SDF	TF		FB	0.5	092.8(090T)	003.0	04000
		LANSE	020	FAF	TF		FB	0.5	092.8(090T)	005.1	02300
		IKUYA	021	SDF	TF		FB	0.3	092.9(090T)	002.7	01420
		RW09R	030	MAP	TF		FO	0.3	092.9(090T)	002.2	00717

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE
	GRABL	040		DF		FO	1.0			04000
	GRABL	050		HM	R	FO	2.0	273.0(270T)	004.0	04000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CHILR	N415900.44	W0881230.30	N4159.007	W08812.505
	DEVON	N415901.03	W0880832.90	N4159.017	W08808.548
	GEMMS	N415859.72	W0881624.10	N4158.995	W08816.402
	GRABL	N415859.27	W0872808.61	N4158.988	W08728.144
	IKUYA	N415901.95	W0875803.06	N4159.033	W08758.051
	LANSE	N415901.74	W0880140.59	N4159.029	W08801.677
	WASCO	N415853.88	W0882014.47	N4158.981	W08820.241
	RW09R	N415902.03	W0875506.07	N4159.034	W08755.101

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW09R	00660	57

CITY AND STATE CHICAGO, IL	ELEVATION: 672 TDZE: 660	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 9R, AMDT 2 20 NOV 2008	SUP:
	AIRPORT NAME: CHICAGO-O'HARE INTL			AMDT: 1
				DATED: 08/30/2007

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

**RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE
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.

TERMINAL ROUTES				MISSED APPROACH	
FROM	TO	COURSE AND DISTANCE	ALTITUDE		
GRABL (IF)	RIPPR (FB)	273.28 / 2.86	6000##	LPV: DA LNAV/VNAV: DA LNAV: RW27L	
RIPPR	BASHH (FB)	273.24 / 2.91	5000##	CLIMB TO 4000 DIRECT WASCO AND HOLD.	
BASHH	EBENS (FB)	273.20 / 2.95	4000##		
EBENS	TAFFS (FB)	273.15 / 5.43	2200		
				ADDITIONAL FLIGHT DATA: HOLD W, RT, 093.00 INBOUND. CHART FAS OBST: 794 BLDG 415937N/0875153W CHART FAS OBST: 816 BLDG 415859N/0875044W DISTANCE TO THLD FROM 282 HAT: 0.73 NM. CHART VDP AT 1.26 MILES TO RW27L * LNAV ONLY. WAAS CHANNEL # 77804 REFERENCE PATH ID: W27A CHART TDZE 653	
1. PT <u>NA</u> SIDE OF COURSE <u>OUTBOUND</u> <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. PROFILE STARTS AT GRABL 3. FAC: <u>273.07</u> FAF: <u>TAFFS</u> DIST FAF TO MAP: <u>4.65</u> THLD: <u>4.65</u> 4. MIN. ALT: <u>GRABL 7000##, RIPPR 6000##, BASHH 5000##, EBENS 4000##, TAFFS 2200</u> 5. DIST TO THLD FROM OM: <u> </u> MM: <u> </u> IM: <u> </u> 150 HAT: <u> </u> 100 HAT: <u> </u> GS ANT: <u> </u> 6. MIN GS INCPT: <u>2200</u> GS ALT AT: <u>TAFFS</u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u>3.00</u> TCH: <u>51.5</u> 34:1 IS CLEAR 8. MSA FROM: <u>RW27L 3400</u>					
				MAG VAR: 3W EPOCH YEAR: 2010	

MINIMUMS															
TAKEOFF:	STANDARD	X	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	935	2400	282	935	2400	282	935	2400	282	935	2400	282			
LNAV/VNAV DA	1111	5000	458	1111	5000	458	1111	5000	458	1111	5000	458			
LNAV MDA	1120	2400	467	1120	2400	467	1120	4000	467	1120	5000	467			
CIRCLING	1220	1	548	1220	1	548	1220	1 1/2	548	1240	2	568			

NOTES:
 CHART NOTE: FOR INOPERATIVE ALSF-2, INCREASE LPV ALL CATS VISIBILITY TO RVR 5000.
 CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C (4F) OR ABOVE 47C (116F).
 CHART NOTE: DME/DME RNP-0.3 NA.
 CHART PLANVIEW NOTE: RADAR REQUIRED.
 SEE 8260-10

CITY AND STATE CHICAGO, IL	ELEVATION: 672 TDZE: 653 AIRPORT NAME: CHICAGO-O'HARE INTL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 27L, AMDT 2 20 NOV 2008	SUP: AMDT: 1 DATED 08/30/2007

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.33

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NOTES CONT.

CHART PROFILE NOTE: VGSi AND RNAV GLIDEPATH NOT COINCIDENT.

CHART PLANVIEW AND PROFILE VIEW NOTE: ##2500 WHEN ASSIGNED BY ATC.

CITY AND STATE

CHICAGO, IL

ELEVATION: 672 TDZE: 653

AIRPORT NAME:

CHICAGO-O'HARE INTL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:

RNAV (GPS) RWY 27L, AMDT 2

20 NOV 2008

SUP:

AMDT: 1

DATED: 08/30/2007

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	KORD
RUNWAY	RW27L
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W27A
LTP/FTP LATITUDE	415902.0400N
LTP/FTP LONGITUDE	0875320.5800W
LTP/FTP ELLIPSOIDAL HEIGHT	+01645
FPAP LATITUDE	415902.0300N
FPAP LONGITUDE	0875506.0700W
THRESHOLD CROSSING HEIGHT (TCH)	00051.5
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0000
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER

B63D4CB9

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+01981
FPAP ORTHOMETRIC HEIGHT	+01981

CITY AND STATE

CHICAGO, IL

ELEVATION: 672 TDZE: 653

AIRPORT NAME:

CHICAGO-O'HARE INTL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 27L, AMDT 2

20 NOV 2008

SUP:

AMDT: 1

DATED: 08/30/2007

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.

ARINC PACKET - 424-18

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

CITY AND STATE
CHICAGO, IL

ELEVATION: 672 TDZE: 653
AIRPORT NAME:
CHICAGO-O'HARE INTL

FACILITY
IDENTIFIER:
BNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 27L, AMDT 2
20 NOV 2008

SUP:	
AMDT:	1
DATED:	08/30/2007

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]

SUP:	
AMDT:	1
DATED:	08/30/2007

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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ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE
		GRABL	010	FACF	IF		FB				
		RIPPR	011	SDF	TF		FB	0.5	273.3 (270T)	002.9	06000
		BASHH	012	SDF	TF		FB	0.5	273.2 (270T)	002.9	05000
		EBENS	013	SDF	TF		FB	0.5	273.2 (270T)	003.0	04000
		TAFFS	020	FAF	TF		FB	0.5	273.2 (270T)	005.4	02200
		RW27L	030	MAP	TF		FO	0.3	273.1 (270T)	004.7	00702

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE
	WASCO	040		DF		FO	1.0			04000
	WASCO	050		HM	R	FO	2.0	093.0 (090T)	004.0	04000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	BASHH	N415900.71	W0873552.67	N4159.012	W08735.878
	EBENS	N415901.25	W0873950.01	N4159.021	W08739.834
	GRABL	N415859.27	W0872808.61	N4158.988	W08728.144
	RIPPR	N415900.05	W0873158.92	N4159.001	W08731.982
	TAFFS	N415901.87	W0874706.83	N4159.031	W08747.114
	WASCO	N415858.88	W0882014.47	N4158.981	W08820.241
	RW27L	N415902.04	W0875320.58	N4159.034	W08753.343

RUNWAY DATA	THRESHOLD	ELEVATION	TCH
RWY			
RW27L	00650		52

CITY AND STATE
CHICAGO, IL

ELEVATION: 672 TDZE: 653
 AIRPORT NAME:
 CHICAGO-O'HARE INTL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
 RNAV (GPS) RWY 27L, AMDT 2
 20 NOV 2008

SUP:
 AMDT: 1
 DATED: 08/30/2007

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE
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.

TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
HAREE (IF)	BONZO (FB)	273.26 / 5.86	4000	LPV: DA LNAV/VNAV: DA LNAV: RW27R
BONZO	SIBLY (FB)	273.17 / 5.43	2200	CLIMB TO 4000 DIRECT ZENAH AND VIA 356.22 TRACK TO UMUZI AND HOLD.
				ADDITIONAL FLIGHT DATA: HOLD N, RT, 176.22 INBOUND. CHART FAS OBST: 766 BLDG 415942N/0875301W FAS OBST: 834 AAO 420053N/0874818W DISTANCE TO THLD FROM 313 HAT: 0.81 NM. CHART VDP AT 1.20 MILES TO RW27R* *LNAV ONLY. WAAS CHANNEL # 69508 REFERENCE PATH ID: W27B

- PT NA SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- PROFILE STARTS AT HAREE
- FAC: 273.09 FAF: SIBLY DIST FAF TO MAP: 4.59 THLD: 4.59
- MIN. ALT: HAREE 4000, BONZO 4000, SIBLY 2200
- DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
- MIN GS INCPT: 2200 GS ALT AT: SIBLY OM: MM: IM:
- GS ANGLE: 3.00 TCH: 54.9 34:1 IS CLEAR
- MSA FROM: RW27R 3400

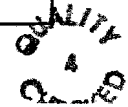
MAG VAR: 3W

EPOCH YEAR: 2010

MINIMUMS															
TAKEOFF:	STANDARD	X	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	977	2400	313	977	2400	313	977	2400	313	977	2400	313			
LNAV/VNAV DA	1063	4000	399	1063	4000	399	1063	4000	399	1063	4000	399			
LNAV MDA	1100	2400	436	1100	2400	436	1100	4000	436	1100	5000	436			
CIRCLING	1220	1	548	1220	1	548	1220	1 1/2	548	1240	2	568			

NOTES:
CHART NOTE: FOR INOPERATIVE ALSF-2, INCREASE LPV ALL CATS VISIBILITY TO RVR 5000.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C (4F) OR ABOVE 47C (116F).
CHART NOTE: DME/DME RNP-0.3 NA.
CHART PLANVIEW NOTE: RADAR REQUIRED.

CITY AND STATE CHICAGO, IL	ELEVATION: 672 TDZE: 664 AIRPORT NAME: CHICAGO-O'HARE INTL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 27R, ORIG 20 NOV 2008	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

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are 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	KORD
RUNWAY	RW27R
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W27B
LTP/FTP LATITUDE	420010.1905N
LTP/FTP LONGITUDE	0875356.6965W
LTP/FTP ELLIPSOIDAL HEIGHT	+01686
FPAP LATITUDE	420010.2000N
FPAP LONGITUDE	0875536.9600W
THRESHOLD CROSSING HEIGHT (TCH)	00054.9
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0024
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER

C3E84064

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+02022
FPAP ORTHOMETRIC HEIGHT	+02022

CITY AND STATE

CHICAGO, IL

ELEVATION: 672 TDZE: 664

AIRPORT NAME:

CHICAGO-O'HARE INTL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

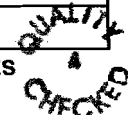
RNAV (GPS) RWY 27R, ORIG

20 NOV 2008

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]

W0038	NAR	BONZO
W0038	NAR	HAREE
W0038	NAR	SIBLY
W0030	NAR	UMUZI
W0030	NAR	ZENAH

[illegible]

SUSAP KORDK5AORD	0	130YHN41584300W087541740W003000672	1800018000C	MNAR	CHICAGO-O'HARE INTL

[illegible]

SUSAP	KORDK5FR27R	R	010HAREEK5EA0E	I	IF			18000	A	JS
SUSAP	KORDK5FR27R	R	011BONZOK5EA0E	S	051TF	27330059	+ 04000			A JS
SUSAP	KORDK5FR27R	R	020SIBLYK5EA1E	F	051TF	27320054	+ 02200		RW27R K5PGA	JS
SUSAP	KORDK5FR27R	R	020SIBLYK5EA2WAL	PV						JS
					ALNAV/VNAV	ALNAV				
SUSAP	KORDK5FR27R	R	030RW27RK5PGOGY	M	031TF	27310046	00719	-300		A JS
SUSAP	KORDK5FR27R	R	040ZENAHK5EA0E	M	010DF		+ 04000			A JS
SUSAP	KORDK5FR27R	R	050UMUZI K5EA0EY		010TF	3562	+ 04000			A JS
SUSAP	KORDK5FR27R	R	060UMUZI K5EA0EE		HR020HM	17620040	+ 04000			A JS

[illegible]

SUSAP KORDK5GRW27R 0075002730 N42001019W087535670+0100 +0168600664000055150R

[illegible]

SUSAP	KORDK5PR27R	RW27R001	0000W27B0N4200101905W08753566965+016860300N4200102000W08755369600106750024000549F400500C3E84064
SUSAP	KORDK5PR27R	RW27R002E	+02022+02022LPV 69508 000

[illegible]

SUP:	
AMDT:	NONE
DATED:	11/17/71

QUALITY
CHECKED

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
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.

SUSAP KORDK5SRW27RK5PG

0 18018003425

M

CITY AND STATE

CHICAGO, IL

ELEVATION: 672 TDZE: 664

AIRPORT NAME:

CHICAGO-O'HARE INTL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 27R, ORIG

20 NOV 2008

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

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are 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 FLIGHT INSPECTION SUMMARY - VERSION 424-18

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
		HAREE	010	FACF	IF		FB				
		BONZO	011	SDF	TF		FB	0.5	273.3 (270T)	005.9	04000
		SIBLY	020	FAF	TF		FB	0.5	273.2 (270T)	005.4	02200
		RW27R	030	MAP	TF		FO	0.3	273.1 (270T)	004.6	00719

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	ZENAH	040		DF		FB	1.0			04000
	UMUZI	050		TF		FO	1.0	356.2 (353T)		04000
	UMUZI	060		HM	R	FO	2.0	176.2 (173T)	004.0	04000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	BONZO	N420009.19	W0874029.94	N4200.153	W08740.499
	HAREE	N420007.88	W0873238.59	N4200.131	W08732.643
	SIBLY	N420009.93	W0874747.01	N4200.166	W08747.784
	UMUZI	N421524.12	W0880435.41	N4215.402	W08804.590
	ZENAH	N420010.01	W0880209.21	N4200.167	W08802.154
	RW27R	N420010.19	W0875356.70	N4200.170	W08753.945

RUNWAY DATA	THRESHOLD	ELEVATION	TCH
RWY			
RW27R	00664		55

CITY AND STATE CHICAGO, IL	ELEVATION: 672 TDZE: 664	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 27R, ORIG 20 NOV 2008	SUP:
	AIRPORT NAME: CHICAGO-O'HARE INTL			AMDT: NONE
				DATED:

*QUALITY
CHECKED*

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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

(1) TAKEOFF MINIMUMS:

RWY 04L, 04R, 09L, 09R, 10, 14L, 14R, 22L, 22R, 32R, STANDARD.

RWY 27L, STANDARD WITH MINIMUM CLIMB OF 214 FT PER NM TO 1700, OR 300-1 1/4 WITH MINIMUM CLIMB OF 203 FT PER NM TO 1700, OR ALTERNATIVELY, WITH STANDARD TAKEOFF MINIMUMS AND A NORMAL 200 FT/NM CLIMB GRADIENT, TAKEOFF MUST OCCUR NO LATER THAN 1500 FT PRIOR TO DEPARTURE END OF RUNWAY.

RWY 27R, STANDARD WITH MINIMUM CLIMB OF 228 FT PER NM TO 1800.

RWY 28, STANDARD WITH MINIMUM CLIMB OF 222 FT PER NM TO 1700. (CONT.)

(2) TEXTUAL DEPARTURE PROCEDURE:

(3) TAKEOFF OBSTACLE NOTES:

NOTE: RWY 04L, MULTIPLE BUILDINGS BEGINNING 3325' FROM DER, 1198' RIGHT OF CENTERLINE, UP TO 101' AGL/750' MSL.

NOTE: RWY 04R, MULTIPLE TREES BEGINNING 793' FROM DER, 568' RIGHT OF CENTERLINE, UP TO 77' AGL/716' MSL. MULTIPLE TREES BEGINNING 2266' FROM DER, 756' LEFT OF CENTERLINE, UP TO 84' AGL/723' MSL. PARKED AIRCRAFT ON RAMP 153' FROM DER, 329' LEFT OF CENTERLINE, 80' AGL/735' MSL.

NOTE: RWY 09L, BUILDING 2771' FROM DER, 1194' RIGHT OF CENTERLINE, 94' AGL/745' MSL.

NOTE: RWY 09R, STREET LIGHT 877' FROM DER, 686' RIGHT OF CENTERLINE, 40' AGL/684' MSL. (CONT.)

(4) CONTROLLING OBSTACLES:

RWY 27L: 812 MSL ROD ON POLE 415843.93N/0875619.54W, 1413 MSL TOWER 415926.00N/0880139.00W

RWY 27R: 1460 MSL TOWER 420042.00N/0880207.00W

RWY 28: 1413 MSL TOWER 415926.00N/0880139.00W

RWY 32L: 1463 MSL TOWER 420042.54N/0880206.97W

(5) City, State

CHICAGO, IL

(6) Airport

CHICAGO-O'HARE INTL

(7) Effective Date

20 NOV 2008

(8) Amdt. No.

16

QUALITY
CHECKED

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
DEPARTURE PROCEDURE (CONTINUATION FAA FORM 8260-15A
FLIGHT STANDARDS SERVICE

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

(1) TAKEOFF MINIMUMS: (CONT.)

RWY 32L, STANDARD WITH MINIMUM CLIMB OF 231 FT PER NM TO 1800.

(3) TAKEOFF OBSTACLE NOTES: (CONT.)

NOTE: RWY 10, MULTIPLE TOWERS BEGINNING 2522' FROM DER, 983' RIGHT OF CENTERLINE, UP TO 127' AGL/771' MSL. PARKED AIRCRAFT ON RAMP 33' FROM DER, 440' LEFT OF CENTERLINE, 80' AGL/735' MSL.

NOTE: RWY 14L, MULTIPLE LIGHTS BEGINNING 982' FROM DER, 745' LEFT OF CENTERLINE, UP TO 40' AGL/684' MSL. PARKED AIRCRAFT ON RAMP AND SIGN BEGINNING 100' FROM DER, 363' RIGHT OF CENTERLINE, UP TO 80' AGL/729' MSL.

NOTE: RWY 14R, PARKED AIRCRAFT ON RAMP 1104' FROM DER, 766' RIGHT OF CENTERLINE, 80' AGL/730' MSL.

NOTE: RWY 22L, TREE 972' FROM DER, 354' LEFT OF CENTERLINE, 31' AGL/690' MSL.

NOTE: RWY 22R, PARKED AIRCRAFT ON RAMP 34' FROM DER, 430' LEFT OF CENTERLINE, 80' AGL/736' MSL.

NOTE: RWY 27L, MULTIPLE POLES, TOWERS, AND AIRCRAFT ON RAMP BEGINNING 70' FROM DER, 408' LEFT OF CENTERLINE, 147' AGL/812' MSL.

NOTE: RWY 27R, ELEVATOR 2778' FROM DER, 1021' LEFT OF CENTERLINE, 111' AGL/776' MSL.

NOTE: RWY 28, TREE 1840' FROM DER, 888' LEFT OF CENTERLINE, UP TO 89' AGL/758' MSL.

NOTE: RWY 32L, FLAG POLE 2036' FROM DER, 791' LEFT OF CENTERLINE, 58' AGL/732' MSL.

NOTE: RWY 32R, MULTIPLE TREES BEGINNING 1438' FROM DER, 851' RIGHT OF CENTERLINE, UP TO 71' AGL/715' MSL.

City, State CHICAGO, IL	Airport CHICAGO-O' HARE INTL	Effective Date 20 NOV 2008	Amdt. No. 16		
DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date



RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE 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.											
TERMINAL ROUTES				MISSED APPROACH											
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LNAV: RW36 CLIMBING LEFT TURN TO 2200 DIRECT DIBBL AND HOLD. ADDITIONAL FLIGHT DATA: CHART FAS OBST: 840 TOWER 412335N/0882513W CHART VDP AT 1.66 MILES TO RW36. COPTU TO RW36: 3.04/40											
MINOK	DIBBL (FO)	187.29 / 14.26	2200												
MOTIF (IAF)	DIBBL (NOPT) (FB)	084.01 / 3.94	2200												
SERCY (IAF)	DIBBL (NOPT) (FB)	267.08 / 6.60	2200												
DIBBL (IF/IAF)	COPTU (FB)	356.98 / 6.04	2200												
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD S DIBBL, RT, 356.98 INBOUND, 2200 FT. IN LIEU OF PT (IAF) 3. FAC: <u>356.98</u> FAF: <u>COPTU</u> DIST FAF TO MAP: <u>4.94</u> THLD: <u>4.94</u> 4. MIN. ALT: <u>DIBBL 2200, COPTU 2200</u> 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCP: _____ GS ALT AT: _____ OM: _____ MM: _____ IM: _____ 7. GS ANGLE: _____ TCH: 34:1 IS NOT CLEAR 8. MSA FROM: RW36 3000				MAG VAR: 2E EPOCH YEAR: 1965											
MINIMUMS															
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A	FOR THIS AIRPORT	ALTERNATE: N A	STANDARD @									
CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LNAV MDA	1140	1	570	1140	1	570	1140	1 1/2	570		NA				
CIRCLING	1140	1	556	1200	1	616	1200	1 3/4	616		NA				
NOTES: CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE JOLIET ALTIMETER SETTING AND INCREASE ALL MDA 40 FEET, AND INCREASE LNAV CAT C VISIBILITY 1/4 MILE. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT MOTIF VIA V156 WESTBOUND.															
CITY AND STATE				ELEVATION: 584 TDZE: 570		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:			
MORRIS, IL				AIRPORT NAME:		RNAV		RNAV (GPS) RWY 36, AMDT 1				AMDT: ORIG			
				MORRIS MUNI-JAMES R WASHBURN FIELD				20 NOV 2008				DATED 02/21/2002			

 QUALITY
2
CHECKED

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

[illegible]

SUP:	
AMDT:	ORIG
DATED:	02/21/2002

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
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.

SUSAP C09 K5SRW36 K5PG

0 18018003025

M

CITY AND STATE

MORRIS, IL

ELEVATION: 584 TDZE: 570

AIRPORT NAME:

MORRIS MUNI-JAMES R WASHBURN FIELD

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 36, AMDT 1

20 NOV 2008

SUP:

AMDT: ORIG

DATED: 02/21/2002

QUALITY
CHECKED

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
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.

ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE
	MINOK	MINOK	010		IF		FB				
	MINOK	DIBBL	020		TF		FB	2.0	187.3 (189T)	014.3	02200
	MINOK	DIBBL	030		HF	R	FO		357.0 (359T)	004.0	02200
	MOTIF	MOTIF	010	IAF	IF		FB				
	MOTIF	DIBBL	020		TF		FB	1.0	084.0 (086T)	003.9	02200
	SERCY	SERCY	010	IAF	IF		FB				
	SERCY	DIBBL	020		TF		FB	1.0	267.1 (269T)	006.6	02200
		DIBBL	010	FACF	IF		FB				02200
		COPTU	020	FAF	TF		FB	0.5	357.0 (359T)	006.0	02200
		RW36	030	MAP	TF		FO	0.3	357.0 (359T)	004.9	00605

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE
	DIBBL	040		DF	L	FO	1.0			02200
	DIBBL	050		HM	R	FO	2.0	357.0 (359T)	004.0	02200

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	COPTU	N412005.28	W0882459.55	N4120.088	W08824.993
	DIBBL	N411402.86	W0882451.02	N4114.048	W08824.850
	MINOK	N412807.91	W0882147.83	N4128.132	W08821.797
	MOTIF	N411346.52	W0883003.55	N4113.775	W08830.059
	SERCY	N411409.59	W0881605.90	N4114.160	W08816.098
	RW36	N412501.91	W0882506.56	N4125.032	W08825.109

RUNWAY DATA	THRESHOLD	ELEVATION	TCH
RWY			
RW36	00565		40

CITY AND STATE
MORRIS, IL

ELEVATION: 584 TDZE: 570
 AIRPORT NAME:
MORRIS MUNI-JAMES R WASHBURN FIELD

FACILITY
 IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 36, AMDT 1
20 NOV 2008

SUP:
 AMDT: **ORIG**
 DATED: **02/21/2002**

QUALITY
 CHECKED
 2

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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

(1) TAKEOFF MINIMUMS:

RWY 18, 400-2 OR STANDARD WITH MINIMUM CLIMB OF 320 FEET PER NM TO 1000.

RWY 36, STANDARD.

(2) TEXTUAL DEPARTURE PROCEDURE:

(3) TAKEOFF OBSTACLE NOTES:

NOTE: RWY 18, TREE 511' FROM DER, 607' RIGHT OF CENTERLINE, 100' AGL/659' MSL. TOWER 8810' FROM DER, 647' RIGHT OF CENTERLINE, 290' AGL/840' MSL.

NOTE: RWY 36, TREES BEGINNING 1562' FROM DER, 758' RIGHT OF CENTERLINE EXTENDING TO 722' LEFT OF CENTERLINE, 100' AGL/679' MSL.

(4) CONTROLLING OBSTACLES:

RWY 18, 840 MSL TOWER 412335.00N/0882513.00W

(5) City, State

MORRIS, IL

(6) Airport

MORRIS MUNI-JAMES R. WASHBURN FIELD

(7) Effective Date

20 NOV 2008

(8) Amdt. No.

ORIG

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION		ILS - STANDARD INSTRUMENT APPROACH PROCEDURE FAR PART 97.29		Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.	
TERMINAL ROUTES				MISSED APPROACH	
FROM	TO	COURSE AND DISTANCE	ALTITUDE	ILS: DA LOC: 3.87 MILES AFTER UI LOM CLIMB TO 1500 THEN CLIMBING RIGHT TURN TO 2300 DIRECT UI LOM AND HOLD. ADDITIONAL FLIGHT DATA: HOLD SW, RT, 038.00 INBOUND. CHART FAS OBST: 820 TREES 395512N/0911252W CHART UIN R-082 AT HEGUL. CHART UIN R-012 AT UPICI.	
UIN VORTAC	UI LOM	021.49 / 2.61	2400		
HEGUL/UIN 7.00 DME CW (IAF)	RAYOK/UIN 7.00 DME (NOPT)	7.00 DME ARC (UIN LR-200)	2400		
UPICI/UIN 7.00 DME CCW (IAF)	RAYOK/UIN 7.00 DME (NOPT)	7.00 DME ARC (UIN LR-240)	2600		
RAYOK/UIN 7.00 DME (IF)	UI LOM	038.31 / 9.50	2100		
1. PT <u>L</u> SIDE OF COURSE <u>218.00</u> OUTBOUND <u>2300</u> FT WITHIN <u>10</u> MILES OF <u>UI LOM</u> (IAF) 2. _____ 3. FAC: <u>038.31</u> FAF: <u>UI LOM</u> DIST FAF TO MAP: <u>3.87</u> THLD: <u>3.87</u> 4. MIN. ALT: <u>UI LOM 2100</u> 5. DIST TO THLD FROM OM: <u>3.87</u> MM: <u>-</u> IM: <u>-</u> 150 HAT: <u>-</u> 100 HAT: <u>-</u> GS ANT: <u>734</u> 6. MIN GS INCPT: <u>2100</u> GS ALT AT: _____ OM: <u>2042</u> MM: <u>-</u> IM: <u>-</u> 7. GS ANGLE: <u>3.00</u> TCH: <u>41.0</u> 8. MSA FROM: <u>UI LOM 2700</u>					
				MAG VAR: 2E EPOCH YEAR: 1985	
MINIMUMS					
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N A	X
CATEGORY ==>	A		B		C
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS
S-ILS 4	962	1/2	200	962	1/2
S-LOC 4	1080	1/2	318	1080	1/2
CIRCLING	1200	1	431	1220	1
NOTES: CHART NOTE: ADF REQUIRED. CHART PLANVIEW NOTE: ADF OR DME REQUIRED. CHART NOTE: FOR INOPERATIVE MALSR INCREASE S-LOC 4 CAT D VISIBILITY 1/4 MILE.					
CITY AND STATE	ELEVATION: 769 TDZE: 762		FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	
QUINCY, IL	AIRPORT NAME:		I-UIN	ILS OR LOC RWY 4, AMDT 17B	
	QUINCY RGNL-BALDWIN FIELD			20 NOV 2008	
			SUP:		
			AMDT:		17A
			DATED		08/23/1990

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION NDB STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICE - FAR 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: 5.89 MILES AFTER AIRPA LOM							
VHP VORTAC		AIRPA LOM		041.00 / 8.93				2900		CLIMBING RIGHT TURN TO 2600 DIRECT VHP VORTAC AND HOLD.							
										ADDITIONAL FLIGHT DATA: HOLD W, LT, 076.00 INBOUND. CHART FAS OBST: 1039 TOWER 395105N/0861439W CHART: 1192 TOWER 395518N/0861525W							
1. PT <u>L</u> SIDE OF COURSE <u>026.61</u> OUTBOUND <u>2900</u> FT WITHIN <u>10</u> MILES OF <u>AIRPA LOM</u> (IAF) 2. _____ 3. FAC <u>206.61</u> FAF <u>AIRPA LOM</u> DIST FAF TO MAP <u>5.89</u> THLD <u>5.89</u> 4. MIN. ALT <u>AIRPA LOM 2500</u> 8. MSA FROM: <u>EY LOM 2900</u>														MAG VAR: 2W		EPOCH YEAR: 1985	
MINIMUMS																	
TAKEOFF:		STANDARD		☒ X		SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE: N A		☒ X					
CATEGORY =====>		A			B			C			D			E			
		MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	
S-21		1440	3/4	617	1440	3/4	617	1440	1 3/4	617		NA					
CIRCLING		1440	1	617	1440	1	617	1440	1 3/4	617		NA					
NOTES: CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO CAT C. CHART PROFILE NOTE: VGS! AND DESCENT ANGLES NOT COINCIDENT. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE INDIANAPOLIS INTL ALTIMETER SETTING AND INCREASE ALL MDA 20 FT.																	
CITY AND STATE		ELEVATION: 823 TDZE: 823		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP NDB OR GPS RWY							
INDIANAPOLIS, IN		AIRPORT NAME:		EY		NDB RWY 21, AMDT 4				21							
		EAGLE CREEK AIRPARK				20 NOV 2008				AMDT 3B							
										DATE 04/13/2006							

 04/13/2006
 04-060

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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

(1) TAKEOFF MINIMUMS:

RWY 3, 21 STANDARD

(2) TEXTUAL DEPARTURE PROCEDURE:

RWY 3: CLIMB HEADING 360 TO 2000 BEFORE TURNING RIGHT.

(3) TAKEOFF OBSTACLE NOTES:

NOTE: RWY 3, ANT ON BLDG 859' FROM DER, 524' RIGHT OF CENTERLINE, 37' AGL/851' MSL. POLE 507' FROM DER, 631' LEFT OF CENTERLINE, 36' AGL/860' MSL. TREES BEGINNING 2014' FROM DER, 583' LEFT OF CENTERLINE, UP TO 85' AGL/904' MSL. RWY 21, TREES BEGINNING 677' FROM DER, 267' RIGHT OF CENTERLINE, UP TO 87' AGL/901' MSL. VEHICLE/ROAD 310' FROM DER, 398' RIGHT OF CENTERLINE, 19' AGL/833' MSL. TREES BEGINNING 1383' FROM DER, 57' LEFT OF CENTERLINE, UP TO 90' AGL/904' MSL. APT BCN 10' FROM DER, 464' LEFT OF CENTERLINE, 58' AGL/ 867' MSL. FLAGPOLE 167' FROM DER, 385' LEFT OF CENTERLINE, 29' AGL/848' MSL. POLES BEGINNING 694' FROM DER, 451' LEFT OF CENTERLINE, UP TO 40' AGL/ 849' MSL. ANTENNAS ON BUILDINGS BEGINNING 363' FROM DER, 258' LEFT OF CENTERLINE, 9' AGL/828' MSL.

(4) CONTROLLING OBSTACLES:

RWY 3: 1866 MSL TOWER 395325.00N/0861220.00W

(5) City, State

INDIANAPOLIS, IN

(6) Airport

EAGLE CREEK AIRPARK

(7) Effective Date

20 NOV 2008

(8) Amdt. No.

1

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION VOR STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICE - FAR PART 97.23										Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.											
TERMINAL ROUTES										MISSED APPROACH											
FROM		TO			COURSE AND DISTANCE					ALTITUDE		MAP: 3.29 MILES AFTER VHP VORTAC OR AT VHP 3.29 DME FIX CLIMBING LEFT TURN TO 2600 DIRECT VHP VORTAC AND HOLD. ADDITIONAL FLIGHT DATA: HOLD W, LT, 076.00 INBOUND. CHART FAS OBST: 1030 TOWER 394856N/0862017W 1084 AAO 394945N/0862209W FAC CROSSES 593 FT NORTH OF RWY 3 THLD.									
1. PT <u> R </u> SIDE OF COURSE <u> 256.00 </u> OUTBOUND <u> 2600 </u> FT WITHIN <u> 10 </u> MILES OF <u> VHP VORTAC </u> (IAF) 2. _____ 3. FAC <u> 076.00 </u> FAF <u> VHP VORTAC </u> DIST FAF TO MAP <u> 3.29 </u> THLD _____ 4. MIN. ALT <u> VHP VORTAC 2200 </u> 8. MSA FROM: <u> VHP VORTAC 3100 </u>										MAG VAR: 1E EPOCH YEAR: 1965											
MINIMUMS																					
TAKEOFF:		STANDARD		☒		SEE FAA FORM 8260-15A FOR THIS AIRPORT					ALTERNATE: NA		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		1300	1	477	1300	1	477	1300	1 1/2	477		NA									
NOTES: CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE INDIANAPOLIS INTL ALTIMETER SETTING AND INCREASE ALL MDA 20 FT.																	@ NA WHEN LOCAL WEATHER NOT AVAILABLE.				
CITY AND STATE				ELEVATION: 823 TDZE:				FACILITY IDENTIFIER:				PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP VOR OR GPS-A					
INDIANAPOLIS, IN				AIRPORT NAME:				VHP				VOR-A, AMDT 7				AMDT 6A					
				EAGLE CREEK AIRPARK								20 NOV 2008				DATE 04/13/2006					

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION		RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE 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.	
TERMINAL ROUTES				MISSED APPROACH	
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LPV: DA LNAV/VNAV: DA LNAV: RW25 CLIMB TO 2900 DIRECT RAPBO AND VIA 142.59 TRACK TO SHB VORTAC AND HOLD. ADDITIONAL FLIGHT DATA: HOLD SE, RT, 322.71 INBOUND. CHART FAS OBST: 969 TREE 395028N/0855305W 1109 AAO 395133N-0854625W DISTANCE TO THLD FROM 300 HAT: 0.78 NM. CHART VDP AT 0.96 MILES TO RW25* *LNAV ONLY. WAAS CHANNEL # 56310 REFERENCE PATH ID: W25A	
SHB VORTAC	KOYDE (FB)	040.73 / 15.13	2900		
NEWTO (IAF)	FOGBU (NOPT) (FB)	270.77 / 8.65	2700		
PENDS (IAF)	FOGBU (NOPT) (FB)	168.68 / 11.81	2700		
KOYDE (IAF)	FOGBU (NOPT) (FB)	342.19 / 5.00	2700		
FOGBU (IF/IAF)	HUDAX (FB)	252.17 / 6.01	2700		
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. HOLD E FOGBU, RT, 252.17 INBOUND, 2700 FT. IN LIEU OF PT (IAF) 3. FAC: 252.09 FAF: HUDAX DIST FAF TO MAP: <u>5.53</u> THLD: <u>5.53</u> 4. MIN. ALT: FOGBU 2700, HUDAX 2700 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: 2700 GS ALT AT: HUDAX OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u>3.00</u> TCH: 53.1 34:1 IS NOT CLEAR 8. MSA FROM: RW25 3100				MAG VAR: 2W EPOCH YEAR: 1985	
MINIMUMS					
TAKEOFF:	☐ STANDARD	☒ SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: ☐ NA	☒	
CATEGORY =====>	A		B		C
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS
LPV DA	1161	3/4	300	1161	3/4
LNAV/VNAV DA	1260	1	399	1260	1
LNAV MDA	1220	3/4	359	1220	3/4
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS
CIRCLING	1340	1	478	1340	1 1/2
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS
	1420	2	558	1420	2
NOTES: CHART NOTE: FOR INOPERATIVE MALSR, INCREASE LNAV CAT A/B/C VISIBILITY TO 1 MILE AND CAT D TO 1 1/4 MILE. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16 C (4F) OR ABOVE 47C (116F). SEE 8260-10					
CITY AND STATE INDIANAPOLIS, IN		ELEVATION: 862 TDZE: 861 AIRPORT NAME: MOUNT COMFORT		FACILITY IDENTIFIER: RNAV	
PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 25, ORIG 20 NOV 2008				SUP: AMDT: NONE DATED	

**RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - 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.

NOTES CONT.

CHART NOTE: DME/DME RNP-0.3 NA.

CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE INDIANAPOLIS INTL ALTIMETER SETTING AND INCREASE ALL DA 55 FEET AND ALL MDA 60 FEET, AND INCREASE ALL VISIBILITIES 1/2 MILE.

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

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT SHB VORTAC ON AIRWAY RADIALS 028 CW 080, AND AT NEWTO VIA V50 EASTBOUND.

CHART NOTE: WHEN USING INDIANAPOLIS INTL ALTIMETER SETTING INOPERATIVE TABLE DOES NOT APPLY.

CITY AND STATE

INDIANAPOLIS, IN

ELEVATION: 862

TDZE: 861

AIRPORT NAME:

MOUNT COMFORT

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 25, ORIG

20 NOV 2008

SUP:

AMDT: NONE

DATED:

20 NOV 2008
2

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

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

FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KMQJ
RUNWAY	RW25
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W25A
LTP/FTP LATITUDE	395031.9800N
LTP/FTP LONGITUDE	0855327.9500W
LTP/FTP ELLIPSOIDAL HEIGHT	+02275
FPAP LATITUDE	395012.0500N
FPAP LONGITUDE	0855439.0400W
THRESHOLD CROSSING HEIGHT (TCH)	00053.1
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.50
LENGTH OFFSET	0120
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
<u>CRC REMAINDER</u>	354C03A3

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+02615
FPAP ORTHOMETRIC HEIGHT	+02615

CITY AND STATE INDIANAPOLIS, IN	ELEVATION: 862 TDZE: 861 AIRPORT NAME: MOUNT COMFORT	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 25, ORIG 20 NOV 2008	SUP:
				AMDT: NONE
				DATED:

QUALITY
2
CHECKED

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are 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	KMQJK5FR25	AFOGBU	010FOGBUK5EA0EE	CR	HF		25220040	+	02700	18000		A	JS
SUSAP	KMQJK5FR25	ANEWTO	010NEWTOK5EA0E	A	IF					18000		A	JS
SUSAP	KMQJK5FR25	ANEWTO	020FOGBUK5EA0EE		010TF		27080087	+	02700			A	JS
SUSAP	KMQJK5FR25	APENDS	010PENDSK5EA0E	A	IF					18000		A	JS
SUSAP	KMQJK5FR25	APENDS	020FOGBUK5EA0EE		010TF		16870118	+	02700			A	JS
SUSAP	KMQJK5FR25	ASHB	010SHB K5D 0V		IF					18000		A	JS
SUSAP	KMQJK5FR25	ASHB	020KOYDEK5EA0E	A	020TF		04070151	+	02900			A	JS
SUSAP	KMQJK5FR25	ASHB	030FOGBUK5EA0EE		010TF		34220050	+	02700			A	JS
SUSAP	KMQJK5FR25	R	010FOGBUK5EA0E	I	IF			+	02700	18000		A	JS
SUSAP	KMQJK5FR25	R	020HUDAXK5EA1E	F	051TF		25220060	+	02700		RW25	K5PGA	JS
SUSAP	KMQJK5FR25	R	020HUDAXK5EA2WALPV			ALNAV/VNAV	ALNAV						JS
SUSAP	KMQJK5FR25	R	030RW25 K5PGOGY	M	031TF		25010055		00911		-300	A	JS
SUSAP	KMQJK5FR25	R	040RAPBOK5EA0E	M	DF							A	JS
SUSAP	KMQJK5FR25	R	050SHB K5D 0VY		TF		1426	+	02900			A	JS
SUSAP	KMQJK5FR25	R	060SHB K5D 0VE	HR020HM			32270040	+	02900			A	JS

CITY AND STATE INDIANAPOLIS, IN	ELEVATION: 862 TDZE: 861 AIRPORT NAME: MOUNT COMFORT	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 25, ORIG 20 NOV 2008	SUP:
				AMDT: NONE
				DATED:

2

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are 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 KMOJK5GRW25 0055002520 N39503198W085532795+0100 +0227500858000053100R

SUSAP	KMQJK5PR25	RW25	001	0000W25A0N3950319800W08553279500+022750300N3950120500W08554390400106500120000531F400500354C03A3
SUSAP	KMQJK5PR25	RW25	002E	+02615+02615LPV 56310 000

SUSAP KMOJK5SRW25 K5PG 0 18018003125 M

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
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.

ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE
	FOGBU	FOGBU	010		HF	R	FB		252.2 (250T)	004.0	02700
	NEWTO	NEWTO	010	IAF	IF		FB				
	NEWTO	FOGBU	020		TF		FB	1.0	270.8 (269T)	008.7	02700
	PENDS	PENDS	010	IAF	IF		FB				
	PENDS	FOGBU	020		TF		FB	1.0	168.7 (167T)	011.8	02700
	SHB	SHB	010		IF		FB				
	SHB	KOYDE	020	IAF	TF		FB	2.0	040.7 (039T)	015.1	02900
	SHB	FOGBU	030		TF		FB	1.0	342.2 (340T)	005.0	02700
		FOGBU	010	FACF	IF		FB				02700
		HUDAX	020	FAF	TF		FB	0.5	252.2 (250T)	006.0	02700
		RW25	030	MAP	TF		FO	0.3	250.1 (248T)	005.5	00911

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE
	RAPBO	040		DF		FB				
	SHB	050		TF		FO		142.6 (141T)		02900
	SHB	060		HM	R	FO	2.0	322.7 (321T)	004.0	02900

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	SHB	N393757.15	W0854927.54	N3937.953	W08549.459
	FOGBU	N395427.90	W0853922.32	N3954.465	W08539.372
	HUDAX	N395225.29	W0854642.77	N3952.422	W08546.713
	KOYDE	N394945.44	W0853710.22	N3949.757	W08537.170
	NEWTO	N395439.55	W0852808.36	N3954.659	W08528.139
	PENDS	N400557.83	W0854254.47	N4005.964	W08542.908
	RAPBO	N394830.65	W0860040.08	N3948.511	W08600.668
	RW25	N395031.98	W0855327.95	N3950.533	W08553.466

RUNWAY DATA	THRESHOLD	
RWY	ELEVATION	TCH
RW25	00858	53

CITY AND STATE
INDIANAPOLIS, IN

ELEVATION: 862 TDZE: 861
 AIRPORT NAME:
MOUNT COMFORT

FACILITY
 IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 25, ORIG
20 NOV 2008

SUP:
 AMDT: **NONE**
 DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION LOC STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICE - FAR PART 97.25					Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.										
TERMINAL ROUTES					MISSED APPROACH										
FROM	TO	COURSE AND DISTANCE	ALTITUDE	MAP: 5.38 MILES AFTER HIX NDB CLIMBING RIGHT TURN TO 2500 DIRECT HIX NDB AND HOLD. ADDITIONAL FLIGHT DATA: HOLD E, RT, 258.80 INBOUND. CHART FAS OBST: 779 TREE 365211N/0872220W HIX NDB TO RW26: 3.33/34											
CCT VORTAC	HIX NDB	187.75 / 30.28	3000												
1. PT <u> L </u> SIDE OF COURSE <u> 078.80 </u> OUTBOUND <u> 2500 </u> FT WITHIN <u> 10 </u> MILES OF <u> HIX NDB </u> (IAF) 2. _____ 3. FAC <u> 258.80 </u> FAF <u> HIX NDB </u> DIST FAF TO MAP <u> 5.38 </u> THLD <u> 5.38 </u> 4. MIN. ALT <u> HIX NDB 2500 </u> 8. MSA FROM: <u> HIX NDB 2700 </u>					MAG VAR: 1W EPOCH YEAR: 1995										
MINIMUMS															
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT			ALTERNATE: N A	X								
CATEGORY ==>	A			B			C			D			E		
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA
S-26	1040	1	476	1040	1	476	1040	1 1/4	476	1040	1 1/2	476			
CIRCLING	1140	1	576	1140	1	576	1280	2	716	1280	2 1/4	716			
NOTES: CHART NOTE: ADF REQUIRED. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART PLANVIEW NOTE: ADF REQUIRED. CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT. SEE 8260-10															
CITY AND STATE		ELEVATION: 564 TDZE: 564		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP					
HOPKINSVILLE, KY		AIRPORT NAME:		I-HVC		LOC RWY 26, AMDT 4				AMDT		3			
		HOPKINSVILLE-CHRISTIAN COUNTY				20 NOV 2008				DATE		06/12/2004			

**LOC STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - - FAR PART 97.25**

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

NOTES CONT.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE CLARKSVILLE ALTIMETER SETTING AND INCREASE ALL MDA 40 FEET, AND INCREASE S-26 CAT C AND D AND CIRCLING CAT C AND D VISIBILITY 1/4 MILE.

CITY AND STATE

HOPKINSVILLE, KY

ELEVATION: 564 TDZE: 564

AIRPORT NAME:

HOPKINSVILLE-CHRISTIAN COUNTY

FACILITY
IDENTIFIER:

I-HVC

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

LOC RWY 26, AMDT 4

20 NOV 2008

SUP:

AMDT: 3

DATED: 06/12/2004

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION NDB STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICE - FAR 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: 5.38 MILES AFTER HIX NDB CLIMBING RIGHT TURN TO 2500 DIRECT HIX NDB AND HOLD. ADDITIONAL FLIGHT DATA: HOLD E, RT, 258.80 INBOUND. CHART FAS OBST: 789 TREE 365240N/0872456W HIX NDB TO RW26: 3.33/34						
CCT VORTAC	HIX NDB			187.75 / 30.28				3000								
1. PT <u> L </u> SIDE OF COURSE <u> 076.80 </u> OUTBOUND <u> 2500 </u> FT WITHIN <u> 10 </u> MILES OF <u> HIX NDB </u> (IAF) 2. _____ 3. FAC <u> 256.80 </u> FAF <u> HIX NDB </u> DIST FAF TO MAP <u> 5.38 </u> THLD <u> 5.38 </u> 4. MIN. ALT <u> HIX NDB 2500 </u> 8. MSA FROM: <u> HIX NDB 2700 </u>										MAG VAR: 1W EPOCH YEAR: 1995						
MINIMUMS																
TAKEOFF:		STANDARD		☒		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-26		1100	1	536	1100	1	536	1100	1 1/2	536	1100	1 3/4	536			
CIRCLING		1140	1	576	1140	1	576	1280	2	716	1280	2 1/4	716			
NOTES: CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE CLARKSVILLE ALTIMETER SETTING AND INCREASE ALL MDA 40 FEET, AND INCREASE CIRCLING CAT C AND D VISIBILITY 1/4 MILE.																
CITY AND STATE		ELEVATION: 564 TDZE: 564			FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP NDB OR GPS RWY					
HOPKINSVILLE, KY		AIRPORT NAME:			HIX		NDB RWY 26, AMDT 7				26					
		HOPKINSVILLE-CHRISTIAN COUNTY					20 NOV 2008				AMDT		6			
											DATE		06/11/2004			

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION	RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE 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.

TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
GNSHP	ZIRAS (FO)	257.95 / 18.89	2500	LNAV: RW08 CLIMB TO 3000 DIRECT UYURI AND LEFT TURN VIA 337.86 TRACK TO WASMO AND HOLD. ADDITIONAL FLIGHT DATA: HOLD N, RT, 186.65 INBOUND. CHART FAS OBST: 920 ANT ON GR EL 365132N/0872953W CHART R-3702 A/B; R-3701 RELSE TO RW 08: 3.05/40
LANKY (IAF)	ZIRAS (NOPT) (FB)	052.32 / 31.33	2500	
YANUS (IAF)	ZIRAS (NOPT) (FB)	164.57 / 26.84	2500	
ZIRAS (IF/IAF)	RELSE (FB)	078.64 / 6.02	2500	

1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)
2. HOLD W ZIRAS, LT, 078.64 INBOUND, 2500 FT. IN LIEU OF PT (IAF)
3. FAC: 078.72 FAF: RELSE DIST FAF TO MAP: 5.94 THLD: 5.94
4. MIN. ALT: ZIRAS 2500, RELSE 2500
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: RW08 2700

MAG VAR: 1W

EPOCH YEAR: 1995

MINIMUMS															
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N A	X										
CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LNAV MDA	1220	1	680	1220	1	680	1220	2	680	1220	2 1/4	680			
CIRCLING	1220	1	656	1220	1	656	1280	2	716	1280	2 1/4	716			

NOTES: CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE CLARKSVILLE ALTIMETER SETTING AND INCREASE ALL MDA 40 FEET AND CIRCLING CAT C AND D VISIBILITY 1/4 MILE.			
CITY AND STATE	ELEVATION: 564 TDZE: 540	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
HOPKINSVILLE, KY	AIRPORT NAME: HOPKINSVILLE-CHRISTIAN COUNTY		RNAV (GPS) RWY 8, ORIG 20 NOV 2008
		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

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

[illegible]

CITY AND STATE
HOPKINSVILLE, KY

ELEVATION: 564	TDZE: 540
AIRPORT NAME:	
HOPKINSVILLE-CHRISTIAN COUNTY	

FACILITY
IDENTIFIER:
BNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 8, ORIG
20 NOV 2008

SUP:	
AMDT:	NONE
DATED:	

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.

[illegible]

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

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are 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 FLIGHT INSPECTION SUMMARY - VERSION 424-19

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE
	GNSHP	GNSHP	010		IF		FB				
	GNSHP	ZIRAS	020		TF		FB	2.0	258.0(257T)	018.9	02500
	GNSHP	ZIRAS	030		HF	L	FO		078.6(078T)	004.0	02500
	LANKY	LANKY	010	IAF	IF		FB				
	LANKY	ZIRAS	020		TF		FB	1.0	052.3(051T)	031.3	02500
	YANUS	YANUS	010	IAF	IF		FB				
	YANUS	ZIRAS	020		TF		FB	1.0	164.6(164T)	026.8	02500
		ZIRAS	010	FACF	IF		FB				02500
		RELSE	020	FAF	TF		FB	0.5	078.6(078T)	006.0	02500
		RW08	030	MAP	TF		FO	0.3	078.7(078T)	005.9	00577

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE
	UYURI	040		DF		FB	1.0			
	WASMO	050		TF	L	FO	1.0	337.9(337T)		03000
	WASMO	060		HM	R	FO	2.0	186.7(186T)	004.0	03000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	GNSHP	N365304.93	W0871929.97	N3653.082	W08719.500
	LANKY	N362913.77	W0881252.34	N3629.230	W08812.872
	RELSE	N365003.64	W0873505.34	N3650.061	W08735.089
	UYURI	N365401.80	W0871210.69	N3654.030	W08712.178
	WASMO	N370500.60	W0871802.19	N3705.010	W08718.037
	YANUS	N371433.31	W0875151.89	N3714.555	W08751.865
	ZIRAS	N364846.49	W0874224.77	N3648.775	W08742.413
	RW08	N365119.35	W0872751.32	N3651.323	W08727.856

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW08	00537	40

CITY AND STATE
HOPKINSVILLE, KY

ELEVATION: 564 TDZE: 540
 AIRPORT NAME:
HOPKINSVILLE-CHRISTIAN COUNTY

FACILITY
 IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 8, ORIG
20 NOV 2008

SUP:
 AMDT: **NONE**
 DATED:

RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE 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.											
TERMINAL ROUTES				MISSED APPROACH											
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LNAV: RW26 CLIMBING RIGHT TURN TO 3000 DIRECT WASMO AND HOLD. ADDITIONAL FLIGHT DATA: HOLD N, RT, 186.65 INBOUND. CHART FAS OBST: 779 TREE 365122N/0872407W 979 AAO 365240N/0871945W YAYUP TO RW26: 3.05/40											
GNSHP	UYURI (FO)	081.81 / 5.95	2500												
BWG VORTAC (IAF)	UYURI (NOPT) (FB)	268.58 / 36.59	2500												
UYURI (IF/IAF)	YAYUP (FB)	258.95 / 6.10	2500												
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. HOLD E UYURI, RT, 258.95 INBOUND, 2500 FT. IN LIEU OF PT (IAF) 3. FAC: <u>258.87</u> FAF: <u>YAYUP</u> DIST FAF TO MAP: <u>5.86</u> THLD: <u>5.86</u> 4. MIN. ALT: <u>UYURI 2500, YAYUP 2500</u> 5. DIST TO THLD FROM OM: <u> </u> MM: <u> </u> IM: <u> </u> 150 HAT: <u> </u> 100 HAT: <u> </u> GS ANT: <u> </u> 6. MIN GS INCPT: <u> </u> GS ALT AT: <u> </u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u> </u> TCH: <u>34:1 IS NOT CLEAR</u> 8. MSA FROM: <u>RW26 2700</u>				MAG VAR: <u>1W</u> EPOCH YEAR: <u>1995</u>											
MINIMUMS															
TAKEOFF:	STANDARD	☒	SEE FAA FORM 8260-15A	FOR THIS AIRPORT	ALTERNATE: N A	☒									
CATEGORY ==>	A		B		C		D		E						
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LNAV MDA	1040	1	476	1040	1	476	1040	1 1/4	476	1040	1 1/2	476			
CIRCLING	1140	1	576	1140	1	576	1280	2	716	1280	2 1/4	716			
NOTES: CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE CLARKSVILLE ALTIMETER SETTING AND SEE 8260-10															
CITY AND STATE				ELEVATION: 564 TDZE: 564		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:			
HOPKINSVILLE, KY				AIRPORT NAME: HOPKINSVILLE-CHRISTIAN COUNTY				RNAV (GPS) RWY 26, ORIG 20 NOV 2008				AMDT: NONE			
												DATED			

**RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - 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.

NOTES CONT.**INCREASE ALL MDA 40 FEET, INCREASE LNAV AND CIRCLING CAT C AND D VISIBILITY 1/4 MILE.****CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL AT BWG VORTAC ON AIRWAY RADIALS 228 CW 303.**

CITY AND STATE

HOPKINSVILLE, KY

ELEVATION: 564 TDZE: 564

AIRPORT NAME:

HOPKINSVILLE-CHRISTIAN COUNTY

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 26, ORIG**20 NOV 2008**

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]

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

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

MSA 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012

SUSAP KHVCK5SRW26 KSPG

0 18018002725

M

CITY AND STATE
HOPKINSVILLE, KY

ELEVATION: 564 TDZE: 564
AIRPORT NAME:
HOPKINSVILLE-CHRISTIAN COUNTY

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 26, ORIG
20 NOV 2008

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

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are 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 FLIGHT INSPECTION SUMMARY - VERSION 424-18

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE
	BWG	BWG	010	IAF	IF		FB				
	BWG	UYURI	020		TF		FB	1.0	268.6 (268T)	036.6	02500
	GNSHP	GNSHP	010		IF		FB				
	GNSHP	UYURI	020		TF		FB	2.0	081.8 (081T)	006.0	02500
	GNSHP	UYURI	030		HF	R	FO		259.0 (258T)	004.0	02500
		UYURI	010	FACF	IF		FB				02500
		YAYUP	020	FAF	TF		FB	0.5	259.0 (258T)	006.1	02500
		RW26	030	MAP	TF		FO	0.3	258.9 (258T)	005.9	00604

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE
	WASMO	040		DF	R	FO	1.0			03000
	WASMO	050		HM	R	FO	2.0	186.7 (186T)	004.0	03000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	BWG	N365543.47	W0862636.36	N3655.725	W08626.606
	GNSHP	N365304.93	W0871929.97	N3653.082	W08719.500
	UYURI	N365401.80	W0871210.69	N3654.030	W08712.178
	WASMO	N370500.60	W0871802.19	N3705.010	W08718.037
	YAYUP	N365245.02	W0871936.88	N3652.750	W08719.615
	RW26	N365130.85	W0872645.16	N3651.514	W08726.753

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW26	00564	40

CITY AND STATE
 HOPKINSVILLE, KY

ELEVATION: 564 TDZE: 564
 AIRPORT NAME:
 HOPKINSVILLE-CHRISTIAN COUNTY

FACILITY
 IDENTIFIER:
 RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
 RNAV (GPS) RWY 26, ORIG
 20 NOV 2008

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.

FAA FORM 8260-5 / December 2002 (computer generated)

**LOC STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - - FAR PART 97.25**

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

NOTES CONT.

CHART NOTE: USE BATON ROUGE ALTIMETER SETTING; WHEN NOT RECEIVED, USE LAFAYETTE RGNL ALTIMETER SETTING AND INCREASE ALL MDA 60 FEET, AND INCREASE S-36 CAT D AND CIRCLING CAT C VISIBILITY 1/4 MILE.

CITY AND STATE

NEW ROADS, LA

ELEVATION: 40

TDZE: 37

AIRPORT NAME:

FALSE RIVER RGNL

FACILITY
IDENTIFIER:

I-HZR

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

LOC RWY 36, AMDT 1

NOV 20 2008

SUP:

AMDT:

ORIG-B

DATED:

07/04/1985

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION NDB STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICE - FAR 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: 4.72 MILES AFTER FWX NDB											
WRACK INT	FWX NDB	208.88 / 18.40	2000	CLIMB TO 700 THEN CLIMBING LEFT TURN TO 2000 DIRECT FWX NDB AND HOLD. ADDITIONAL FLIGHT DATA: HOLD S, RT, 002.39 INBOUND. FAS OBST: 244 AAO 303919N/0912943W FWX NDB TO RW36: 3.03/50. CHART: BATON ROUGE ASOS 125.2 CHART TDZE: 37 CHART APT ELEVATION: 40											
BTR VORTAC	FWX NDB	305.25 / 13.45	2000												
MOGAN INT	FWX NDB	117.65 / 11.62	2000												
1. PT <u>R</u> SIDE OF COURSE <u>182.39</u> OUTBOUND <u>2000</u> FT WITHIN <u>10</u> MILES OF <u>FWX NDB</u> (IAF) 2. _____ 3. FAC <u>002.39</u> FAF <u>FWX NDB</u> DIST FAF TO MAP <u>4.72</u> THLD <u>4.72</u> 4. MIN. ALT <u>FWX NDB 1600</u> 8. MSA FROM: <u>FWX NDB 110-200 2800, 200-110 1900</u>					MAG VAR: 4E EPOCH YEAR: 1985										
MINIMUMS															
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE:	NA	X						
CATEGORY =====>	A			B			C			D			E		
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA
S-36	600	1	563	600	1	563	600	1 1/2	563	600	1 3/4	563			
CIRCLING	600	1	560	600	1	560	600	1 1/2	560	600	2	560			
NOTES: CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY. CHART NOTE: USE BATON ROUGE ALTIMETER SETTING; WHEN NOT RECEIVED, USE LAFAYETTE RGNL ALTIMETER SETTING AND INCREASE ALL MDA 60 FEET, AND INCREASE S-36 CATS C AND D AND CIRCLING CAT C VISIBILITY 1/4 MILE.															
CITY AND STATE		ELEVATION: 40 TDZE: 37		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP NDB OR GPS RWY					
NEW ROADS, LA		AIRPORT NAME:		FWX		NDB RWY 36, AMDT 2 NOV 20 2008				36					
		FALSE RIVER RGNL								AMDT 1A					
										DATE 09/07/2000					

 QUALITY
CHECKED
1

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE
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.

TERMINAL ROUTES					MISSED APPROACH				
FROM	TO	COURSE AND DISTANCE	ALTITUDE						
RABBO	HOLKI (FB)	157.45 / 32.62	3000	LPV: DA LNAV/VNAV: DA LNAV: RW01 CLIMB TO 3500 DIRECT HIMVO AND VIA 307.05 TRACK TO RABBO AND HOLD.					
SPARR	HOLKI (FB)	114.99 / 33.19	3100						
WHOO (IAF)	JEGOB (NOPT) (FB)	025.57 / 34.77	3000	ADDITIONAL FLIGHT DATA: HOLD NW, RT, 132.46 INBOUND. CHART FAS OBST: 761 TREE 450314N/0833352W CHART FAS OBST: 890 TREE 450018N/0833435W DISTANCE TO THLD FROM 200 HAT: 0.47 NM. CHART VDP AT 1.33 MILES TO RW01**LNAV ONLY. WAAS CHANNEL # 50310 REFERENCE PATH ID: W01A CHART: PIKEWEST MOA					
HOLKI (IAF)	JEGOB (NOPT) (FB)	096.44 / 5.00	2800						
JEGOB (IF/IAF)	ONSOE (FB)	006.80 / 6.00	2800						

1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF)	
2. HOLD S JEGOB, RT, 006.80 INBOUND, 2800 FT. IN LIEU OF PT (IAF)	
3. FAC: <u>006.80</u> FAF: <u>ONSOE</u> DIST FAF TO MAP: <u>6.37</u> THLD: <u>6.37</u>	
4. MIN. ALT: <u>JEGOB 2800, ONSOE 2800</u>	
5. DIST TO THLD FROM OM: <u> </u> MM: <u> </u> IM: <u> </u> 150 HAT: <u> </u> 100 HAT: <u> </u> GS ANT: <u> </u>	
6. MIN GS INCPT: <u>2800</u> GS ALT AT: <u>ONSOE 2800</u> OM: <u> </u> MM: <u> </u> IM: <u> </u>	
7. GS ANGLE: <u>3.00</u> TCH: <u>52.3</u> 34:1 IS CLEAR	
8. MSA FROM: <u>RW01 3500</u>	

MINIMUMS															
TAKEOFF:	STANDARD	X	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	885	1/2	200	885	1/2	200	885	1/2	200	885	1/2	200			
LNAV/VNAV DA	1029	3/4	344	1029	3/4	344	1029	3/4	344	1029	3/4	344			
LNAV MDA	1160	1/2	475	1160	1/2	475	1160	3/4	475	1160	1	475			

CIRCLING	1160	1	471	1160	1	471	1160	1 1/2	471	1260	2	571			

NOTES:
 CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C (4F) OR ABOVE 48C (118F). @ NA WHEN LOCAL WEATHER NOT AVAILABLE.
 CHART NOTE: DME/DME RNP-0.3 NA.
 CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.
 CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ROGER CITY ALTIMETER SETTING AND SEE 8260-10

CITY AND STATE	ELEVATION: 689 TDZE: 685	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMD NO./EFFECTIVE DATE:	SUP:
ALPENA, MI	AIRPORT NAME: ALPENA COUNTY RGNL		RNAV (GPS) RWY 1, ORIG 20 NOV 2008	AMD: NONE
				DATED

**RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - 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.

NOTES CONT.

INCREASE ALL DA 55 FEET AND ALL MDA 60 FEET AND INCREASE LNAV/VNAV ALL CATS AND LNAV CATS C AND D

VISIBILITY 1/4 MILE

CHART PLANVIEW NOTES: PROCEDURE NA FOR ARRIVALS AT WHOOP VIA V45 SOUTHBOUND, FOR ARRIVALS AT SPARR VIA V420 WESTBOUND AND FOR ARRIVALS AT RABBO VIA V78 NORTHWEST BOUND.

CHART NOTE: BARO-VNAV AND VDP NA WHEN USING ROGER CITY ALTIMETER SETTING

CITY AND STATE

ALPENA, MI

ELEVATION: 689

TDZE: 685

AIRPORT NAME:

ALPENA COUNTY RGNL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 1, ORIG

20 NOV 2008

SUP:

AMDT:

NONE

DATED:

**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	KAPN
RUNWAY	RW01
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W01A
LTP/FTP LATITUDE	450353.7800N
LTP/FTP LONGITUDE	0833340.9400W
LTP/FTP ELLIPSOIDAL HEIGHT	+01716
FPAP LATITUDE	450522.8300N
FPAP LONGITUDE	0833341.3800W
THRESHOLD CROSSING HEIGHT (TCH)	00052.3
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0008
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0

CRC REMAINDER

0500BCCB

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+02081
FPAP ORTHOMETRIC HEIGHT	+02081

CITY AND STATE ALPENA, MI	ELEVATION: 689 TDZE: 685 AIRPORT NAME: ALPENA COUNTY RGNL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMD'T NO./EFFECTIVE DATE: RNAV (GPS) RWY 1, ORIG 20 NOV 2008	SUP:
				AMD'T: NONE
				DATED:

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

[illegible]

CITY AND STATE ALPENA, MI	ELEVATION: 689 TDZE: 685 AIRPORT NAME: ALPENA COUNTY RGNL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 1, ORIG 20 NOV 2008	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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SUSAP KAPNK5GRW01 0090010068 N45035378W083334094+0000 +0171600683000052150I

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

SUSAP KAPNK5PR01 RW01 001 0000W01A0N4503537800W08333409400+017160300N4505228300W08333413800106750008000523F4003500500BCCB
SUSAP KAPNK5PR01 RW01 002E +02081+C2081LPV 50310 000

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

SUSAP KAPNK5SRW01 K5PG 0 18018003525 M

CITY AND STATE

ALPENA, MI

ELEVATION: 689 TDZE: 685

AIRPORT NAME:

ALPENA COUNTY RGNL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 1, ORIG

20 NOV 2008

SUP:

AMDT: NONE

DATED:

RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE 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.													
TERMINAL ROUTES										MISSED APPROACH							
FROM		TO		COURSE AND DISTANCE				ALTITUDE									
JIVUS (IAF)		UYUKE (NOPT) (FB)		142.79 / 5.00				3000		LPV: DA LNAV/VNAV: DA LNAV: RW23L CLIMB TO 3000 DIRECT ICAD AND HOLD. ADDITIONAL FLIGHT DATA: HOLD SW, LT, 052.57 INBOUND. CHART FAS OBST: 799 TREE 421504N/0833007W CHART FAS OBST: 809 TREE 421504N/0833137W DISTANCE TO THLD FROM 272 HAT: 0.70 NM. CHART VDP AT 0.94 MILES TO RW23L * LNAV ONLY. WAAS CHANNEL # 81910 REFERENCE PATH ID: W23A							
SINVE (IAF)		UYUKE (NOPT) (FB)		322.89 / 5.00				3000									
UYUKE (IF/IAF)		FELUS (FB)		232.84 / 6.20				2300									
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD NE UYUKE, RT, 232.84 INBOUND, 3000 FT. IN LIEU OF PT (IAF) 3. FAC: 232.77 FAF: FELUS _____ DIST FAF TO MAP: 4.78 THLD: 4.78 4. MIN. ALT: UYUKE 3000, FELUS 2300, WODUP/1.70 NM TO RW23L 1300* 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 2300 GS ALT AT: FELUS _____ OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 56.3 34:1 IS NOT CLEAR 8. MSA FROM: _____										MAG VAR: 6W EPOCH YEAR: 1995							
MINIMUMS																	
TAKEOFF: _____		STANDARD		X		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	980	3/4	272	980	3/4	272	980	3/4	272	980	3/4	272					
LNAV/VNAV DA	1096	3/4	388	1096	3/4	388	1096	3/4	388	1096	3/4	388					
LNAV MDA	1060	3/4	352	1060	3/4	352	1060	3/4	352	1060	1	352					
CIRCLING	1200	1	484	1200	1	484	1200	1 1/2	484	1280	2	564					
NOTES: CHART NOTE: CIRCLING TO RWY 5L, 9L, 14, 23R NA AT NIGHT. CHART NOTE: FOR INOPERATIVE MALSR, INCREASE LNAV CATS A, B & C VISIBILITY TO 1 MILE, CAT D TO 1 1/4 MILES. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C (4F) OR ABOVE 47C (116F). SEE 8260-10																	
CITY AND STATE				ELEVATION: 716 TDZE: 708				FACILITY IDENTIFIER:				PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:	
DETROIT, MI				AIRPORT NAME:				RNAV				RNAV (GPS) RWY 23L, AMDT 1				AMDT: ORIG-A	
				WILLOW RUN								20 NOV 2008				DATED 06/10/2004	

 QUALITY
2
Checked

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - 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.

NOTES CONT.

CHART NOTE: DME/DME RNP-0.3 NA.

CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.

CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.

*LNAV ONLY

TAA

	FROM	TO	ALT
1.	143/30 CW 323/30 (NOPT)	UYUKE (IF/IAF) (FB)	3000
2.	323/30 CW 053/30	SINVE (IAF) (FB)	3000
3.	053/30 CW 143/30	JIVUS (IAF) (FB)	3100

CITY AND STATE

DETROIT, MI

ELEVATION: 716 TDZE: 708

AIRPORT NAME:

WILLOW RUN

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 23L, AMDT 1

20 NOV 2008

SUP:

AMDT: ORIG-A

DATED: 06/10/2008

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

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FAS DATA BLOCK INFORMATIONDATA FIELDDATA

OPERATION TYPE 0
SBAS SERVICE PROVIDER IDENTIFIER 0
AIRPORT IDENTIFIER KYIP
RUNWAY RW23L
APPROACH PERFORMANCE DESIGNATOR 0
ROUTE INDICATOR
REFERENCE PATH DATA SELECTOR 0
REFERENCE PATH IDENTIFIER (APPROACH ID) W23A
LTP/FTP LATITUDE 421441.2200N
LTP/FTP LONGITUDE 0833110.6500W
LTP/FTP ELLIPSOIDAL HEIGHT +01796
FPAP LATITUDE 421350.2500N
FPAP LONGITUDE 0833223.4700W
THRESHOLD CROSSING HEIGHT (TCH) 00056.3
TCH UNITS SELECTOR (METERS OR FEET USED) F
GLIDEPATH ANGLE (GPA) 03.00
COURSE WIDTH AT THRESHOLD 106.50
LENGTH OFFSET 0000
HORIZONTAL ALERT LIMIT (HAL) 40.0
VERTICAL ALERT LIMIT (VAL) 50.0

CRC REMAINDER

8FDB3871

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K5
LTP ORTHOMETRIC HEIGHT +02140
FPAP ORTHOMETRIC HEIGHT +02140

CITY AND STATE

DETROIT, MI

ELEVATION: 716 TDZE: 708

AIRPORT NAME:

WILLOW RUN

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 23L, AMDT 1

20 NOV 2008

SUP:

AMDT: ORIG-A

DATED: 06/10/2004

CHECKED

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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ARINC PACKET - 424-18

	1	2	3	4	5	6	7	8	9	0	1	2	3
WP	1234567890123456789012345678901234567890123456789012345678901234567890123456789012												
	SUSAEENRT	FELUS K50	W	N42175771W083262944				W0071	NAR	FELUS			
	SUSAEENRT	ICADE K50	W	N42045017W083451205				W0071	NAR	ICADE			
	SUSAEENRT	JIVUS K50	W	N42255135W083250073				W0071	NAR	JIVUS			
	SUSAEENRT	SINVE K50	W	N42183352W083154705				W0071	NAR	SINVE			
	SUSAEENRT	UYUKE K50	W	N42221253W083202362				W0071	NAR	UYUKE			
	SUSAEENRT	WODUP K50	W	N42155116W083293064				W0071	NAR	WODUP			

	1	2	3	4	5	6	7	8	9	0	1	2	3
AIRPORT	1234567890123456789012345678901234567890123456789012345678901234567890123456789012												
	SUSAP KYIPK5AYIP	0	075YHN42141580W083314830W006000716					1800018000C	MNAR	WILLOW RUN			

	1	2	3	4	5	6	7	8	9	0	1	2	3
SEGMENT	1234567890123456789012345678901234567890123456789012345678901234567890123456789012												
	SUSAP KYIPK5FR23L	AJIVUS	010JIVUSK5EA0E	A	IF					18000		A JS	
	SUSAP KYIPK5FR23L	AJIVUS	020UYUKEK5EA0EE	010TF			14280050		+ 03000			A JS	
	SUSAP KYIPK5FR23L	ASINVE	010SINVEK5EA0E	A	IF					18000		A JS	
	SUSAP KYIPK5FR23L	ASINVE	020UYUKEK5EA0EE	010TF			32290050		+ 03000			A JS	
	SUSAP KYIPK5FR23L	AUYUKE	010UYUKEK5EA0EE	CR	HF		23280040		+ 03000	18000		A JS	
	SUSAP KYIPK5FR23L	R	010UYUKEK5EA0E	I	IF				+ 03000	18000		A JS	
	SUSAP KYIPK5FR23L	R	020FELUSK5EA1E	F	051TF		23280062		+ 02300			A JS	
	SUSAP KYIPK5FR23L	R	020FELUSK5EA2WALPV		ALNAV/VNAV ALNAV							JS	
	SUSAP KYIPK5FR23L	R	021WODUPK5EA0E	S	031TF		23280031		V 0130001302	-300		A JS	
	SUSAP KYIPK5FR23L	R	030RW23LK5PG0GY	M	031TF		23280017		00758	-300		A JS	
	SUSAP KYIPK5FR23L	R	040ICADEK5EA0EYM	010DF					+ 03000			A JS	
	SUSAP KYIPK5FR23L	R	050ICADEK5EA0EE	HL020HM			05260040		+ 03000			A JS	

	1	2	3	4	5	6	7	8	9	0	1	2	3
RUNWAY	1234567890123456789012345678901234567890123456789012345678901234567890123456789012												
	SUSAP KYIPK5GRW23L	0075262327	N42144122W083311065+0200							+0179600702000056150I			

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

CITY AND STATE DETROIT, MI	ELEVATION: 716 TDZE: 708	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 23L, AMDT 1 20 NOV 2008	SUP:
	AIRPORT NAME: WILLOW RUN			AMDT: ORIG-A
				DATED: 06/10/2004

CHECKED

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

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.

SUSAP KYIPK5PR23L RW23L001 0000W23A0N4214412200W08331106500+017960300N4213502500W08332234700106500000000563F4005008FDB3871
SUSAP KYIPK5PR23L RW23L002E +02140+02140LPV 81910 000

CITY AND STATE

DETROIT, MI

ELEVATION: 716 TDZE: 708

AIRPORT NAME:

WILLOW RUN

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 23L, AMDT 1

20 NOV 2008

SUP:

AMDT: ORIG-A

DATED: 06/10/2004

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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

(1) TAKEOFF MINIMUMS:

CANCELED EFFECTIVE 20 NOV 2008.

(2) TEXTUAL DEPARTURE PROCEDURE:

(3) TAKEOFF OBSTACLE NOTES:

(4) CONTROLLING OBSTACLES:

(5) City, State MOTLEY, MN	(6) Airport MOREY'S	(7) Effective Date 01/09/92	(8) Amdt. No. ORIG

QUALITY
CHECKED

ILS - STANDARD INSTRUMENT APPROACH PROCEDURE FAR PART 97.29				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.				
TERMINAL ROUTES				MISSED APPROACH				
FROM	TO	COURSE AND DISTANCE	ALTITUDE	ILS: DA LOC: 5.36 MILES AFTER OBLIO LOM/INT/I-LMR 7.20 DME OR AT I-LMR 1.84 DME FIX CLIMB TO 1500 THEN CLIMBING LEFT TURN TO 5000 INTERCEPT STL VORTAC R-128 TO FONTI INT/STL 22.44 DME AND HOLD. ADDITIONAL FLIGHT DATA: HOLD SE, RT, 308.40 INBOUND. CHART FAS OBST: 697 TREE 384538N/0902343W CHART 714 TREE 384551N/0902302W. CHART VDP AT 2.99 DME; DISTANCE VDP TO THLD 1.15 MILES. CHART LOC RWY 12L CHART FIELD ELEVATION: 618' CHART TDZE: RWY 12R 540' CHART (CFJYO) AT INTERSECTION OF DR LEG AND INTERMEDIATE COURSE				
SADEN INT (IAF)	PAULY INT/I-LMR 17.78 DME/RADAR	077.00 / 2.08 (HDG) & 122.20 / 1.73 (I-LMR)	4500					
PAULY INT/I-LMR 17.78 DME/RADAR (IF)	NAIRN INT/I-LMR 12.44 DME/RADAR	122.20 / 5.34 (I-LMR)	3600					
NAIRN INT/I-LMR 12.44 DME/RADAR	OBLIO LOM/INT/I-LMR 7.20 DME	122.20 / 5.23 (I-LMR)	2400					
1. PT <u>NA</u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. PROFILE STARTS AT PAULY 3. FAC: <u>122.19</u> FAF: <u>OBLIO LOM/INT/I-LMR 7.20 DME</u> DIST FAF TO MAP: <u>5.36</u> THLD: <u>5.36</u> 4. MIN. ALT: <u>PAULY 4500, NAIRN 3600, OBLIO LOM 2400</u> 5. DIST TO THLD FROM OM: <u>5.36</u> MM: <u>-</u> IM: <u>-</u> 150 HAT: <u>-</u> 100 HAT: <u>-</u> GS ANT: <u>1153</u> 6. MIN GS INCPT: <u>2400</u> GS ALT AT: <u>GS INTCP</u> OM: <u>2327</u> MM: <u>-</u> IM: <u>-</u> 7. GS ANGLE: <u>3.00</u> TCH: <u>54.4</u> 8. MSA FROM: <u>OBLIO LOM 2800</u>				MAG VAR: <u>0E</u> EPOCH YEAR: <u>2000</u>				
MINIMUMS								
TAKEOFF:	☐ STANDARD	☒ X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: <u>N A</u>	ILS: <u>STANDARD</u>		LOC: <u>STANDARD</u>	
CATEGORY =====>	A		B		C		D	E
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS
S-ILS 12R	790	4000	250	790	4000	250	790	4000
S-LOC 12R	960	4000	420	960	4000	420	960	4000
SIDESTEP 12L	980	1	439	980	1	439	980	2
NOTES: CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY. CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED WITH LDA/DME RWY 12L APPROACH.								
CITY AND STATE		ELEVATION: 618		TDZE: 12R 540		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
ST LOUIS, MO		AIRPORT NAME:		TDZE: 12L 541		I-LMR		ILS OR LOC RWY 12R, AMDT 21D
		LAMBERT-ST LOUIS INTL						SUP:
								AMDT: 21C
								DATED 02/15/2007

**ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE
FAR PART 97.29**

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TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
MOODS INT (IAF)	FONTI INT/STL 22.44 DME	360.00 / 1.65 (HDG) & 302.20 / 4.27 (I-BKY)	4500	ILS: DA LOC: 4.71 MILES AFTER MOIDD OM/INT CLIMB TO 3000 THEN DIRECT OBLIO LOM/INT AND HOLD; OR WHEN DIRECTED BY ATC, CLIMB TO 1040 THEN CLIMBING LEFT TURN TO 3000 VIA HEADING 283.00 AND CSX VOR/DME R-280 TO HULSO/CSX 16.00 DME AND HOLD W, LT, 100.00 INBOUND. (DME REQUIRED).
FONTI INT/STL 22.44 DME (IF)	JOICE INT/STL 19.02 DME	302.20 / 3.46 (I-BKY)	3500	
JOICE INT/STL 19.02 DME	MOIDD OM/INT	302.20 / 4.81 (I-BKY)	2200	
				ADDITIONAL FLIGHT DATA: HOLD NW, LT, 122.20 INBOUND. CHART FAS OBST: 769 TREE 384221N/0901745W CHART (JOXIP) AT INTERSECTION OF DR LEG AND INTERMEDIATE COURSE CHART: ALTERNATE MA HOLDING, HOLD W HULSO/CSX 16.00 DME, LT, 100.00 INBOUND.

1. PT <u>NA</u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF)				
2. PROFILE STARTS AT FONTI				
3. FAC: <u>302.20</u> FAF: <u>MOIDD OM/INT</u> DIST FAF TO MAP: <u>4.71</u> THLD: <u>4.71</u>				
4. MIN. ALT: <u>FONTI 4500, JOICE 3500, MOIDD OM 2200</u>				
5. DIST TO THLD FROM OM: <u>4.71</u> MM: <u>-</u> IM: <u>-</u> 150 HAT: <u>-</u> 100 HAT: <u>-</u> GS ANT: <u>1425</u>				
6. MIN GS INCPT: <u>2200</u> GS ALT AT: <u>GS INTCP</u> OM: <u>2162</u> MM: <u>-</u> IM: <u>-</u>				
7. GS ANGLE: <u>3.00</u> TCH: <u>57.8</u>				
8. MSA FROM: <u>STL VORTAC 090-270 2800, 270-090 2300</u>				

MAG VAR: 0E
EPOCH YEAR: 2000

[illegible]

NOTES:
CHART NOTE: ADF REQUIRED.
CHART NOTE: FOR INOPERATIVE MALSR, INCREASE S-ILS CAT E VISIBILITY TO RVR 4000 AND S-LOC CAT E VISIBILITY TO 2 MILES.
CHART NOTE: * RVR 1800 AUTHORIZED WITH THE USE OF HD OR AP OR HUD TO DA.

CITY AND STATE ST LOUIS, MO	ELEVATION: 618 TDZE: 583	FACILITY IDENTIFIER: I-BKY	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
	AIRPORT NAME:		ILS OR LOC RWY 30L, AMDT 12	AMDT: 11B
	LAMBERT-ST LOUIS INTL		NOV 20 2008	DATED 02/15/2007

7 QUALITY
CHECKED

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION		ILS - STANDARD INSTRUMENT APPROACH PROCEDURE FAR PART 97.29		Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.	
TERMINAL ROUTES				MISSED APPROACH	
FROM	TO	COURSE AND DISTANCE	ALTITUDE	ILS: DA LOC: 6.78 MILES AFTER OZEJ/CLT 9.01 DME/RADAR OR AT CLT 2.22 DME FIX CLIMB TO 1600 THEN CLIMBING RIGHT TURN TO 5000 VIA HEADING 272 AND CLT VOR/DME R-264 TO BRYDE INT/CLT 14.00 DME AND HOLD. ADDITIONAL FLIGHT DATA: HOLD W, LT, 084.22 INBOUND. CHART 894 TREE 351645N/0805712W. CHART LOC RWY 18L CHART SOPHE OM SUBDUED.	
CLT VOR/DME	TOMME/CLT 15.39 DME/RADAR	001.29 / 15.39	5000*		
TOMME/CLT 15.39 DME/RADAR (IF/IAF)	HAGUL/CLT 10.95 DME/RADAR	182.96 / 4.44 (I-PEP)	3600*		
HAGUL/CLT 10.95 DME/RADAR	OZEJ/CLT 9.01 DME/RADAR	182.96 / 1.94 (I-PEP)	3000		
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. HOLD N TOMME, RT, 182.96 INBOUND, 5000 FT* IN LIEU OF PT (IAF) 3. FAC: 182.96 FAF: OZEJ/CLT 9.01 DME/RADAR DIST FAF TO MAP: 6.78 THLD: 6.78 4. MIN. ALT: TOMME 5000*, HAGUL 3600*, OZEJ 3000 5. DIST TO THLD FROM OM: <u> </u> - <u> </u> MM: 0.43 IM: <u> </u> - 150 HAT: <u> </u> - 100 HAT: <u> </u> - GS ANT: 1160 6. MIN GS INCPT: 3000 GS ALT AT: OZEJ/CLT 9.01 DME/RADAR 3000 OM: <u> </u> - MM: 934 IM: <u> </u> 7. GS ANGLE: 3.00 TCH: 55.2 8. MSA FROM: CLT VOR/DME 3800				MAG VAR: 7W EPOCH YEAR: 2000	
MINIMUMS					
TAKEOFF: <u> </u> STANDARD ☒ SEE FAA FORM 8260-15A FOR THIS AIRPORT		ALTERNATE: N A <u> </u>		ILS: STANDARD LOC: STANDARD	
CATEGORY >>>>>>	A		B		C
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS
S-ILS 18C	**942	2400	200	**942	2400
S-LOC 18C	1200	2400	458	1200	2400
CIRCLING	1240	1	492	1240	1
NOTES: CHART NOTE: CIRCLING NA AT NIGHT. CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED WITH RWY 18L. CHART NOTE: DME OR RADAR REQUIRED. CHART PLANVIEW NOTE: DME OR RADAR REQUIRED. SEE 8260-10					
CITY AND STATE		ELEVATION: 748 TDZE: 742		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	
CHARLOTTE, NC		AIRPORT NAME:		ILS OR LOC RWY 18C, AMDT 9A	
		CHARLOTTE/DOUGLAS INTL		20 NOV 2008	
				SUP: ILS OR LOC RWY 18R AMDT: 9 DATED 05/10/2007	

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

**ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.29**

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

NOTES CONT.

CHART PROFILE NOTE: VGS1 AND ILS GLIDEPATH NOT COINCIDENT.

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

***3000 WHEN ASSIGNED BY ATC.**

CITY AND STATE

CHARLOTTE, NC

ELEVATION: 748 TDZE: 742

AIRPORT NAME:

CHARLOTTE/DOUGLAS INTL

FACILITY
IDENTIFIER:

I-PEP

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

ILS OR LOC RWY 18C, AMDT 9A

20 NOV 2008

SUP: ILS OR LOC RWY
18R

AMDT: 9

DATED: 05/10/2007

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE
FAR PART 97.29

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

TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
CLT VOR/DME	SNAKK/CLT 15.43 DME/RADAR	004.34 / 15.43	4000*	ILS: DA LOC: 7.07 MILES AFTER QUWED/CLT 9.12 DME/RADAR OR AT CLT 2.20 DME FIX CLIMB TO 2600 VIA HEADING 182.97 THEN CLIMB TO 4000 VIA CLT VOR/DME R-177 TO LANSR/CLT 12.73 DME/RADAR AND HOLD. ADDITIONAL FLIGHT DATA: HOLD S, RT, 356.86 INBOUND. CHART FAS OBST: 958 TOWER 351857N/0805552W CHART HURRS OM SUBDUED. CHART LOC RWY 18C.
SNAKK/CLT 15.43 DME/RADAR (IF/IAF)	GILGE/CLT 10.99 DME/RADAR	182.97 / 4.45 (I-VKQ)	3600*	
GILGE/CLT 10.99 DME/RADAR	QUWED/CLT 9.12 DME/RADAR	182.97 / 1.87 (I-VKQ)	3100	

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- HOLD N SNAKK, LT, 182.97 INBOUND, 4000 FT* IN LIEU OF PT (IAF)
- FAC: 182.97 FAF: QUWED/CLT 9.12 DME/RADAR DIST FAF TO MAP: 7.07 THLD: 7.07
- MIN. ALT: SNAKK 4000*, GILGE 3600*, QUWED 3100
- DIST TO THLD FROM OM: - MM: 0.56 IM: - 150 HAT: - 100 HAT: - GS ANT: 1016
- MIN GS INCPT: 3100 GS ALT AT: QUWED/CLT 9.12 DME/RADAR 3100 OM: - MM: 981 IM: -
- GS ANGLE: 3.00 TCH: 55.7
- MSA FROM: CLT VOR/DME 3800

MAG VAR: 7W EPOCH YEAR: 2000

MINIMUMS																
TAKEOFF:	STANDARD	X	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 18L	1022	5000	274	1022	5000	274	1022	5000	274	1022	5000	274				
S-LOC 18L	1280	5000	532	1280	5000	532	1280	1 1/2	532	1280	1 3/4	532				
CIRCLING	1280	1	532	1280	1	532	1280	1 1/2	532	1300	2	552				

NOTES:
CHART NOTE: CIRCLING NA AT NIGHT.
CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED WITH RWY 18C.
CHART NOTE: DME OR RADAR REQUIRED.
CHART PLANVIEW NOTE: DME OR RADAR REQUIRED.

SEE 8260-10

CITY AND STATE CHARLOTTE, NC	ELEVATION: 748 TDZE: 748 AIRPORT NAME: CHARLOTTE/DOUGLAS INTL	FACILITY IDENTIFIER: I-VKQ	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 18L, AMDT 6A 20 NOV 2008	SUP:
				AMDT: 6
				DATED 04/15/2004

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.29

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

NOTES CONT.

CHART PROFILE NOTE: VGS1 AND ILS GLIDEPATH NOT COINCIDENT.

*3100 WHEN ASSIGNED BY ATC.

CITY AND STATE

CHARLOTTE, NC

ELEVATION: 748 TDZE: 748

AIRPORT NAME:

CHARLOTTE/DOUGLAS INTL

FACILITY
IDENTIFIER:

I-VKQ

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

ILS OR LOC RWY 18L, AMDT 6A

20 NOV 2008

SUP:

AMDT: 6

DATED: 04/15/2004

ILS - STANDARD INSTRUMENT APPROACH PROCEDURE FAR PART 97.29				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.													
TERMINAL ROUTES								MISSED APPROACH									
FROM		TO		COURSE AND DISTANCE		ALTITUDE		ILS: DA LOC: 6.61 MILES AFTER GLASI/CLT 6.04 DME/RADAR CLIMB TO 1600 THEN CLIMBING LEFT TURN TO 5000 VIA HEADING 314 AND CLT R-340 TO STANN/CLT 18.18 DME AND HOLD; OR WHEN DIRECTED BY ATC, CLIMB TO 1600 THEN CLIMBING LEFT TURN TO 5000 VIA HEADING 320 AND BZM R-171 TO STANN/BZM 25.02 DME AND HOLD S, RT, 351.02 INBOUND, CONTINUE CLIMB IN HOLD TO 5000. (DME AND RADAR REQUIRED). ADDITIONAL FLIGHT DATA: HOLD N, RT, 159.99 INBOUND. CHART: ALTERNATE MA HOLDING, HOLD S, STANN/BZM 25.02 DME, RT, 351.02 INBOUND. CHART FAS OBST: 870 TOWER 350932N/0805700W CHART 962 MONUMENT 350614N/0805627W. CHART IN PLANVIEW: STANN/BZM 25.02 DME. CHART LOC RWY 36R									
CLT VOR/DME		MARJO/CLT 12.70 DME/RADAR		150.57 / 12.70		5000*											
MARJO/CLT 12.70 DME/RADAR (IF)		NIVSE/CLT 9.55 DME/RADAR		002.96 / 3.16 (I-DQG)		4000*											
NIVSE/CLT 9.55 DME/RADAR		GLASI/CLT 6.04 DME/RADAR		002.96 / 3.51 (I-DQG)		2900											
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. HOLD S MARJO, LT, 002.96 INBOUND, 5000 FT* IN LIEU OF PT (IAF) 3. FAC: 002.96 FAF: GLASI/CLT 6.04 DME/RADAR DIST FAF TO MAP: 6.61 THLD: 6.61 4. MIN. ALT: MARJO 5000*, NIVSE 4000*, GLASI 2900, PERPE/CLT 4.60 DME/RADAR 2400** 5. DIST TO THLD FROM OM: <u> </u> - MM: 0.42 IM: 1139 150 HAT: <u> </u> - 100 HAT: 1038 GS ANT: 960 6. MIN GS INCPT: 2900 GS ALT AT: GLASI/CLT 6.04 DME/RADAR 2900 OM: <u> </u> - MM: 881 IM: 807 7. GS ANGLE: 3.00 TCH: 60.4 8. MSA FROM: CLT VOR/DME 3800								MAG VAR: 7W EPOCH YEAR: 2000									
MINIMUMS																	
TAKEOFF:		STANDARD		X		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 36C	907	1800	200	907	1800	200	907	1800	200	907	1800	200					
S-LOC 36C	1120	2400	413	1120	2400	413	1120	4000	413	1120	4000	413					
CIRCLING	1240	1	492	1240	1	492	1240	1 1/2	492	1300	2	552					
NOTES: CATEGORY II ILS SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED. S-ILS 36L: DA 807 MSL, 130 RA, RVR 1200, HAT 100; CAT A, B, C, D. CATEGORY III ILS SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED. S-ILS 36L: CAT IIIA RVR 700; CAT A, B, C, D. CAT IIIB RVR 600; CAT A, B, C, D. CAT IIIC NA. SEE 8260-10																	
CITY AND STATE CHARLOTTE, NC				ELEVATION: 748 TDZE: 707 AIRPORT NAME: CHARLOTTE/DOUGLAS INTL				FACILITY IDENTIFIER: I-DQG		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 36C, AMDT 15C ILS RWY 36C (CAT II), ILS RWY 36C (CAT III) 20 NOV 2008				SUP: ILS OR LOC RWY 36L AMDT: 15B DATED 05/10/2007			

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.29

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

NOTES CONT.

CHART NOTE: CIRCLING NA AT NIGHT.

CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED WITH RWY 36R.

CHART NOTE: DME REQUIRED.

CHART PLANVIEW NOTE: DME OR RADAR REQUIRED.

CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT.

CHART NOTE: DQG ILS LLZ RWY 36C UNUSABLE FOR ROLLOUT GUIDANCE.

*2900 WHEN ASSIGNED BY ATC.

**LOC ONLY.

CITY AND STATE

CHARLOTTE, NC

ELEVATION: 748

TDZE: 707

AIRPORT NAME:

CHARLOTTE/DOUGLAS INTL

FACILITY
IDENTIFIER:

I-DQG

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

ILS OR LOC RWY 36C, AMDT 15C
ILS RWY 36C (CAT II), ILS RWY 36C (CAT III)

20 NOV 2008

SUP: ILS OR LOC RWY
36L

AMDT: 15B

DATED: 05/10/2007

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE
FAR PART 97.29

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

TERMINAL ROUTES				MISSED APPROACH								
FROM	TO	COURSE AND DISTANCE	ALTITUDE									
CLT VOR/DME	LANSR/I-BQC 14.79 DME/RADAR	176.86 / 12.73	4000*	ILS: DA LOC: 5.02 MILES AFTER HAYOU/I-BQC 6.53 DME/RADAR OR AT I-BQC 1.51 DME FIX CLIMB TO 2600 VIA HEADING 002.97 THEN CLIMB TO 4000 VIA CLT R-004 TO SNAKK/CLT 15.43 DME AND HOLD; OR WHEN DIRECTED BY ATC, CLIMB TO 1200 VIA HEADING 019 THEN CLIMBING LEFT TURN TO 4000 VIA BZM R-157 TO SNAKK/BZM 28.82 DME AND HOLD SE, RT, 337.15 INBOUND. (DME AND RADAR REQUIRED). ADDITIONAL FLIGHT DATA: HOLD N, LT, 184.34 INBOUND. CHART: ALTERNATE MA HOLDING, HOLD SE SNAKK/BZM 28.82 DME, RT, 337.15 INBOUND. CHART FAS OBST: 849 TREES 351033N/0805548W CHART LOC RWY 36C								
LANSR/I-BQC 14.79 DME/RADAR (IF/AF)	CIKDU/I-BQC 11.63 DME/RADAR	002.97 / 3.16 (I-BQC)	4000*									
CIKDU/I-BQC 11.63 DME/RADAR	HAYOU/I-BQC 6.53 DME/RADAR	002.97 / 5.11 (I-BQC)	2400									
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD S LANSR, RT, 002.97 INBOUND, 4000 FT* IN LIEU OF PT (IAF) 3. FAC: 002.97 FAF: HAYOU/I-BQC 6.53 DME/RADAR DIST FAF TO MAP: 5.02 THLD: 5.02 4. MIN. ALT: LANSR 4000*, CIKDU 4000*, HAYOU 2400 5. DIST TO THLD FROM OM: _____ - MM: 0.39 IM: 935 150 HAT: _____ 100 HAT: 874 GS ANT: 1042 6. MIN GS INCPT: 2400 GS ALT AT: HAYOU/I-BQC 6.53 DME/RADAR 2400 OM: _____ - MM: 902 IM: 828 7. GS ANGLE: 3.00 TCH: 57.7 8. MSA FROM: CLT VOR/DME 3800				MAG VAR: 7W EPOCH YEAR: 2000								
MINIMUMS												
TAKEOFF:	STANDARD	X	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 36R	927	1800	200	927	1800	200	927	1800	200	927	1800	200
S-LOC 36R	1100	2400	373	1100	2400	373	1100	2400	373	1100	4000	373
CIRCLING	1240	1	492	1240	1	492	1240	1 1/2	492	1300	2	552
NOTES: CATEGORY II ILS SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED. S-ILS 36R: DA 827 MSL, 119 RA, RVR 1200, HAT 100; CAT A,B,C,D. CATEGORY III ILS SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED. S-ILS 36R: CAT IIIA RVR 700; CAT A, B, C, D. CAT IIIB RVR 600; CAT A, B, C, D. CAT IIIC NA. SEE 8260-10												
CITY AND STATE		ELEVATION: 748 TDZE: 727		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:		
CHARLOTTE, NC		AIRPORT NAME:		I-BQC		ILS OR LOC RWY 36R, AMDT 10A ILS RWY 36R (CAT II), ILS RWY 36R (CAT III) 20 NOV 2008				AMDT: 10		
		CHARLOTTE/DOUGLAS INTL								DATED 04/15/2004		

ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.29

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

NOTES CONT.

CHART NOTE: CIRCLING NA AT NIGHT.

CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED WITH RWY 36C.

CHART NOTE: DME OR RADAR REQUIRED.

CHART PLANVIEW NOTE: DME OR RADAR REQUIRED.

CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT.

*2400 WHEN ASSIGNED BY ATC.

CITY AND STATE

CHARLOTTE, NC

ELEVATION: 748

TDZE: 727

AIRPORT NAME:

CHARLOTTE/DOUGLAS INTL

FACILITY
IDENTIFIER:

I-BQC

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

ILS OR LOC RWY 36R, AMDT 10A
ILS RWY 36R (CAT II), ILS RWY 36R (CAT III)

20 NOV 2008

SUP:

AMDT: 10

DATED: 04/15/2004

RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE 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.													
TERMINAL ROUTES				MISSED APPROACH													
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LPV: DA LNAV/VNAV: DA LNAV: RW18C CLIMB TO 5000 DIRECT TO MARJO AND HOLD. ADDITIONAL FLIGHT DATA: HOLD S, LT, 002.97 INBOUND. CHART FAS OBST: 900 TWR 351421N/0805643W CHART FAS OBST: 910 TWR 351324N/0805639W CHART 817 TREE 351407N/0805710W. DISTANCE TO THLD FROM 297 HAT: 0.76 NM. CHART VDP AT 1.22 MILES TO RW18C* *LNAV ONLY. WAAS CHANNEL # 81800 REFERENCE PATH ID: W18B													
CLT VOR/DME	TOMME (FB)	003.29 / 15.39	5000**														
TOMME (IF/IAF)	HAGUL (FB)	182.95 / 4.44	3600**														
HAGUL	OZEJI (FB)	182.95 / 1.94	3000														
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. HOLD N TOMME, RT, 182.95 INBOUND, 5000 FT** IN LIEU OF PT (IAF) 3. FAC: 182.95 FAF: OZEJI DIST FAF TO MAP: 6.78 THLD: 6.78 4. MIN. ALT: TOMME 5000**, HAGUL 3600**, OZEJI 3000 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: 3000 GS ALT AT: OZEJI 3000 OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: 3.00 TCH: 55.2 34:1 IS CLEAR 8. MSA FROM: RW18R 3800				MAG VAR: 7W EPOCH YEAR: 2000													
MINIMUMS																	
TAKEOFF: ☐ STANDARD ☒ X SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE: N/A													
CATEGORY =====>				STANDARD													
	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	1039	2400	297	1039	2400	297	1039	2400	297	1039	2400	297					
LNAV/VNAV DA	1200	5000	458	1200	5000	458	1200	5000	458	1200	5000	458					
LNAV MDA	1200	2400	458	1200	2400	458	1200	4000	458	1200	5000	458					
CIRCLING	1240	1	492	1240	1	492	1240	1 1/2	492	1300	2	552					
NOTES: CHART NOTE: CIRCLING NA AT NIGHT. CHART NOTE: FOR INOPERATIVE MALSR, INCREASE LPV ALL CATS VISIBILITY TO RVR 5000. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C (4F) OR ABOVE 47C (116F). CHART NOTE: DME/DME RNP-0.3 NA. SEE 8260-10																	
CITY AND STATE CHARLOTTE, NC				ELEVATION: 748 TDZE: 742 AIRPORT NAME: CHARLOTTE/DOUGLAS INTL				FACILITY IDENTIFIER: RNAV				PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 18C, AMDT 2A 20 NOV 2008				SUP: RNAV (GPS) RWY 18R AMDT: 2 DATED 06/10/2004	

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - 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.

NOTES CONT.

CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.

**3000 WHEN ASSIGNED BY ATC.

CITY AND STATE
CHARLOTTE, NCELEVATION: 748 TDZE: 742
AIRPORT NAME:
CHARLOTTE/DOUGLAS INTLFACILITY
IDENTIFIER:
RNAVPROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 18C, AMDT 2A
20 NOV 2008SUP: RNAV (GPS) RWY
18R
AMDT: 2
DATED: 06/10/2004

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
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 KCLT
RUNWAY RW18C
APPROACH PERFORMANCE DESIGNATOR 0
ROUTE INDICATOR
REFERENCE PATH DATA SELECTOR 0
REFERENCE PATH IDENTIFIER (APPROACH ID) W18B
LTP/FTP LATITUDE 351338.6295N
LTP/FTP LONGITUDE 0805711.4105W
LTP/FTP ELLIPSOIDAL HEIGHT +01956
FPAP LATITUDE 351159.9700N
FPAP LONGITUDE 0805702.9200W
THRESHOLD CROSSING HEIGHT (TCH) 00055.2
TCH UNITS SELECTOR (METERS OR FEET USED) F
GLIDEPATH ANGLE (GPA) 03.00
COURSE WIDTH AT THRESHOLD 110.50
LENGTH OFFSET 0000
HORIZONTAL ALERT LIMIT (HAL) 40.0
VERTICAL ALERT LIMIT (VAL) 50.0

CRC REMAINDER

23E8FE4B

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K7
LTP ORTHOMETRIC HEIGHT +02261
FPAP ORTHOMETRIC HEIGHT +02261

CITY AND STATE
CHARLOTTE, NC

ELEVATION: 748 TDZE: 742
AIRPORT NAME:
CHARLOTTE/DOUGLAS INTL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 18C, AMDT 2A
20 NOV 2008

SUP:	RNAV (GPS) RWY 18R
AMDT:	2
DATED:	06/10/2004

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are 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	KCLTK7FR18C	ACLT	010CLT	K7D 0V	IF				A	18000		A JS	
SUSAP	KCLTK7FR18C	ACLT	020TOMMEK7EA0E	A 020TF			00330154		+A05000			A JS	
SUSAP	KCLTK7FR18C	ACLT	030TOMMEK7EA0EB	CR HF			1830T010		+A05000			A JS	
SUSAP	KCLTK7FR18C	R	010TOMMEK7EA0E	I IF					+A05000	18000		A JS	
SUSAP	KCLTK7FR18C	R	011HAGULK7EA0E	S 051TF			18300044		+A03600			A JS	
SUSAP	KCLTK7FR18C	R	020OZEJIK7EA1E	F 051TF			18300019		+ 03000		RW18C	K7PGA JS	
SUSAP	KCLTK7FR18C	R	020OZEJIK7EA2	WALPV	ALNAV/VNAV	ALNAV						JS	
SUSAP	KCLTK7FR18C	R	030RW18CK7PG0GY	M 031TF			18300068		00797	-300		A JS	
SUSAP	KCLTK7FR18C	R	040MARJOK7EA0EYM	010DF					+ 05000			A JS	
SUSAP	KCLTK7FR18C	R	050MARJOK7EA0EE	HL020HM			00300040		+ 05000			A JS	

[illegible][illegible]

CITY AND STATE CHARLOTTE, NC	ELEVATION: 748 TDZE: 742	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP: RNAV (GPS) RWY 18R
	AIRPORT NAME:		RNAV (GPS) RWY 18C, AMDT 2A	AMDT: 2
	CHARLOTTE/DOUGLAS INTL		20 NOV 2008	DATED: 06/10/2004

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

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
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.

ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	CLT	CLT	010		IF		FB				
	CLT	TOMME	020	IAF	TF		FB	2.0	003.3 (356T)	015.4	05000
	CLT	TOMME	030		HF	R	FO		183.0 (176T)	004.0	05000
		TOMME	010	FACF	IF		FB				05000
		HAGUL	011	SDF	TF		FB	0.5	183.0 (176T)	004.4	03600
		OZEJI	020	FAF	TF		FB	0.5	183.0 (176T)	001.9	03000
		RW18C	030	MAP	TF		FO	0.3	183.0 (176T)	006.8	00797

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	MARJO	040		DF		FO	1.0			05000
	MARJO	050		HM	L	FO	2.0	003.0 (356T)	004.0	05000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CLT	N351125.04	W0805706.31	N3511.417	W08057.105
	HAGUL	N352221.66	W0805756.51	N3522.361	W08057.942
	MARJO	N345844.03	W0805554.62	N3458.734	W08055.910
	OZEJI	N352025.23	W0805746.46	N3520.421	W08057.774
	TOMME	N352647.87	W0805819.53	N3526.798	W08058.326
	RW18C	N351338.63	W0805711.41	N3513.644	W08057.190

RUNWAY DATA	THRESHOLD	ELEVATION	TCH
RWY			
RW18C	00742		55

CITY AND STATE
CHARLOTTE, NC

ELEVATION: 748 TDZE: 742
 AIRPORT NAME:
CHARLOTTE/DOUGLAS INTL

FACILITY
 IDENTIFIER:
RNAV

PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 18C, AMDT 2A
20 NOV 2008

SUP: **RNAV (GPS) RWY 18R**
 AMDT: **2**
 DATED: **06/10/2004**

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION				RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE 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.									
TERMINAL ROUTES												MISSED APPROACH					
FROM		TO		COURSE AND DISTANCE				ALTITUDE		LPV: DA LNAV/VNAV: DA LNAV: RW36C CLIMB TO 5000 DIRECT EWTOY AND VIA 335.62 TRACK TO STANN AND HOLD. ADDITIONAL FLIGHT DATA: HOLD N, RT, 167.21 INBOUND. CHART FAS OBST: 834 TREE 351102N/0805716W CHART FAS OBST: 962 MON 350614N/0805627W CHART FAS OBST 762 ROD 351125N/0805655W DISTANCE TO THLD FROM 283 HAT: 0.75 NM. CHART VDP AT 1.68 MILES TO RW36C* *LNAV ONLY. WAAS CHANNEL # 86200 REFERENCE PATH ID: W36B							
CLT VOR/DME		MARJO (FB)		182.57 / 12.70				5000**									
MARJO (IF/IAF)		NIVSE (FB)		002.97 / 3.16				4000**									
NIVSE		GLASI (FB)		002.97 / 3.51				2900									
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD S MARJO, LT, 002.97 INBOUND, 5000 FT** IN LIEU OF PT (IAF) 3. FAC: 002.97 FAF: GLASI _____ DIST FAF TO MAP: 6.61 THLD: 6.61 4. MIN. ALT: MARJO 5000**, NIVSE 4000**, GLASI 2900 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 2900 GS ALT AT: GLASI 2900 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 60.4 34:1 IS CLEAR 8. MSA FROM: RW36L 3800												MAG VAR: 7W EPOCH YEAR: 2000					
MINIMUMS																	
TAKEOFF:		STANDARD		X		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		990	2400	283	990	2400	283	990	2400	283	990	2400	283				
LNAV/VNAV DA		1140	5000	433	1140	5000	433	1140	5000	433	1140	5000	433				
LNAV MDA		1300	2400	593	1300	2400	593	1300	5000	593	1300	6000	593				
CIRCLING		1300	1	552	1300	1	552	1300	1 1/2	552	1300	2	552				
NOTES: CHART NOTE: CIRCLING NA AT NIGHT. CHART NOTE: FOR INOPERATIVE ALSF, INCREASE LPV ALL CATS VISIBILITY TO RVR 5000. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C (4F) OR ABOVE 47C (116F). CHART NOTE: DME/DME RNP-0.3 NA. SEE 8260-10																	
CITY AND STATE				ELEVATION: 748 TDZE: 707				FACILITY IDENTIFIER:				PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP: RNAV (GPS) RWY	
CHARLOTTE, NC				AIRPORT NAME:				RNAV				RNAV (GPS) RWY 36C, AMDT 2A				36L	
				CHARLOTTE/DOUGLAS INTL								20 NOV 2008				AMDT: 2	
																DATED 06/10/2004	

**RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - 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.

NOTES CONT.

CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.

**2900 WHEN ASSIGNED BY ATC.

CITY AND STATE
CHARLOTTE, NC

ELEVATION: 748 TDZE: 707
AIRPORT NAME:
CHARLOTTE/DOUGLAS INTL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 36C, AMDT 2A
20 NOV 2008

SUP: RNAV (GPS) RWY
36L
AMDT: 2
DATED: 06/10/2004

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
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	KCLT
RUNWAY	RW36C
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W36B
LTP/FTP LATITUDE	351159.9700N
LTP/FTP LONGITUDE	0805702.9200W
LTP/FTP ELLIPSOIDAL HEIGHT	+01805
FPAP LATITUDE	351344.0800N
FPAP LONGITUDE	0805711.8800W
THRESHOLD CROSSING HEIGHT (TCH)	00060.4
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0168
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER

B5DDA2FB

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+02110
FPAP ORTHOMETRIC HEIGHT	+02110

CITY AND STATE
CHARLOTTE, NC

ELEVATION: 748 TDZE: 707
AIRPORT NAME:
CHARLOTTE/DOUGLAS INTL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 36C, AMDT 2A
20 NOV 2008

SUP:	RNAV (GPS) RWY 36L
AMDT:	2
DATED:	06/10/2004

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

	1	2	3	4	5	6	7	8	9	0	1	2	3	
NAVAID	1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012													
SUSAD	CLT	K7011500VDLA	N35112504W080570631	N35112504W080570631W005000732				NARCHARLOTTE						
	1	2	3	4	5	6	7	8	9	0	1	2	3	
WP	1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012													
SUSAEENRT	EWTOY K70	W	N35153853W080572173				W0077		NAR	EWTOY				
SUSAEENRT	GLASI K70	W	N35052346W080562885				W0077		NAR	GLASI				
SUSAEENRT	MARJO K70	W	N34584403W080555462				W0074		NAR	MARJO				
SUSAEENRT	NIVSE K70	W	N35015321W080561082				W0077		NAR	NIVSE				
SUSAEENRT	STANN K70	W	N35275493W081063093				W0070		NAR	STANN				
	1	2	3	4	5	6	7	8	9	0	1	2	3	
AIRPORT	1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012													
SUSAP	KCLTK7ACLT	0	100YHN35125040W080563530W007000748				1800018000C		MNAR	CHARLOTTE/DOUGLAS INTL				
	1	2	3	4	5	6	7	8	9	0	1	2	3	
SEGMENT	1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012													
SUSAP	KCLTK7FR36C	ACLT	010CLT	K7D 0V	IF			A		18000		A JS		
SUSAP	KCLTK7FR36C	ACLT	020MARJOK7EA0E	A 020TF				18260127	+A05000			A JS		
SUSAP	KCLTK7FR36C	ACLT	030MARJOK7EA0EB CL	HF				00300040	+A05000			A JS		
SUSAP	KCLTK7FR36C	R	010MARJOK7EA0E I	IF				+A05000		18000		A JS		
SUSAP	KCLTK7FR36C	R	011NIVSEK7EA0E S	051TF				00300032	+A04000			A JS		
SUSAP	KCLTK7FR36C	R	020GLASIK7EA1E F	051TF				00300035	+ 02900			RW36C K7PGA JS		
SUSAP	KCLTK7FR36C	R	020GLASIK7EA2WALPV	ALNAV/VNAV ALNAV									JS	
SUSAP	KCLTK7FR36C	R	030RW36CK7PGOGY M	031TF				00300066	00752	-300		A JS		
SUSAP	KCLTK7FR36C	R	040EWTOYK7EA0E M	010DF								A JS		
SUSAP	KCLTK7FR36C	R	050STANNK7EA0EY	010TF				3356	+ 05000			A JS		
SUSAP	KCLTK7FR36C	R	060STANNK7EA0EE HR	020HM				16720050	+ 05000			A JS		
	1	2	3	4	5	6	7	8	9	0	1	2	3	
RUNWAY	1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012													
SUSAP	KCLTK7GRW36C	0100000030 N35115997W080570292+0500		+0180500692000060150R										

SUP:	RNAV (GPS) RWY 36L
AMDT:	2
DATED:	06/10/2004

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are 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 CHARLOTTE, NC	ELEVATION: 748 TDZE: 707 AIRPORT NAME: CHARLOTTE/DOUGLAS INTL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 36C, AMDT 2A 20 NOV 2008	SUP: RNAV (GPS) RWY 36L
				AMDT: 2
				DATED: 06/10/2004

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
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.

ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	CLT	CLT	010		IF		FB				
	CLT	MARJO	020	IAF	TF		FB	2.0	182.6(176T)	012.7	05000
	CLT	MARJO	030		HF	L	FO		003.0(356T)	004.0	05000
		MARJO	010	FACF	IF		FB				05000
		NIVSE	011	SDF	TF		FB	0.5	003.0(356T)	003.2	04000
		GLASI	020	FAF	TF		FB	0.5	003.0(356T)	003.5	02900
		RW36C	030	MAP	TF		FO	0.3	003.0(356T)	006.6	00752

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	EWTOY	040		DF		FB	1.0			
	STANN	050		TF		FO	1.0	335.6(329T)		05000
	STANN	060		HM	R	FO	2.0	167.2(160T)	005.0	05000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CLT	N351125.04	W0805706.31	N3511.417	W08057.105
	EWTOY	N351538.53	W0805721.73	N3515.642	W08057.362
	GLASI	N350523.46	W0805628.85	N3505.391	W08056.481
	MARJO	N345844.03	W0805554.62	N3458.734	W08055.910
	NIVSE	N350153.21	W0805610.82	N3501.887	W08056.180
	STANN	N352754.93	W0810630.93	N3527.916	W08106.516
	RW36C	N351159.97	W0805702.92	N3512.000	W08057.049

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW36C	00692	60

CITY AND STATE
CHARLOTTE, NC

ELEVATION: 748 TDZE: 707
 AIRPORT NAME:
CHARLOTTE/DOUGLAS INTL

FACILITY
 IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 36C, AMDT 2A
20 NOV 2008

SUP:	RNAV (GPS) RWY 36L
AMDT:	2
DATED:	06/10/2004

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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

(1) TAKEOFF MINIMUMS:

RWY 5, 18L, 18C, 23, 36L, 36C, STANDARD.

(2) TEXTUAL DEPARTURE PROCEDURE:

RWY 5 - CLIMB HEADING 055.47 TO 1700 BEFORE TURNING RIGHT.

RWY 36C - CLIMB HEADING 002.96 TO 1400 BEFORE TURNING LEFT.

(3) TAKEOFF OBSTACLE NOTES:

NOTE: RWY 5, MULTIPLE TREES BEGINNING 1031' FROM DER, 480' LEFT OF CENTERLINE, UP TO 127' AGL/856' MSL.

NOTE: RWY 18L, TOWER AND POLE BEGINNING 981' FROM DER, 708' LEFT OF CENTERLINE, UP TO 160' AGL/850' MSL. MULTIPLE TREES BEGINNING 1235' FROM DER, 707' RIGHT OF CENTERLINE, UP TO 48' AGL/767' MSL.

NOTE: RWY 18C, MULTIPLE TREES BEGINNING 1688' FROM DER, 735' LEFT OF CENTERLINE, UP TO 108' AGL/787' MSL. MULTIPLE TREES BEGINNING 3251' FROM DER, 995' RIGHT OF CENTERLINE, UP TO 102' AGL/841' MSL.

(CONTINUED)

(4) CONTROLLING OBSTACLES:

RWY 5: 1634 MSL BLDG 351339.00N/0805032.00W.

RWY 36C: 2749 MSL TOWER 352145.00N/0810918.00W.

(5) City, State

CHARLOTTE, NC

(6) Airport

CHARLOTTE/DOUGLAS INTL

(7) Effective Date

20 NOV 2008

(8) Amdt. No.

4

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
DEPARTURE PROCEDURE (CONTINUATION FAA FORM 8260-15A
FLIGHT STANDARDS SERVICE

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

(3) TAKEOFF OBSTACLE NOTES:

(CONTINUED FROM PAGE 1)

NOTE: RWY 23, MULTIPLE TREES BEGINNING 3493' FROM DER, 198' LEFT OF CENTERLINE, UP TO 99' AGL/818' MSL. MULTIPLE TREES BEGINNING 1491' FROM DER, 603' RIGHT OF CENTERLINE, UP TO 74' AGL/823' MSL.

NOTE: RWY 36C, MULTIPLE TREES BEGINNING 1937' FROM DER, 725' LEFT OF CENTERLINE, UP TO 54' AGL/823' MSL. MULTIPLE TREES BEGINNING 1420' FROM DER, 309' RIGHT OF CENTERLINE, UP TO 104' AGL/823' MSL.

NOTE: RWY 36R, POLE AND MULTIPLE TREES BEGINNING 921' FROM DER, 416' LEFT OF CENTERLINE, UP TO 94' AGL/853' MSL. RAILROAD, ANTENNA, MULTIPLE POLES AND TREES BEGINNING 471' FROM DER, 93' RIGHT OF CENTERLINE, UP TO 96' AGL/855' MSL.

City, State CHARLOTTE, NC		Airport CHARLOTTE/DOUGLAS INTL		Effective Date 20 NOV 2008		Amdt. No. 4	
DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date		

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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

(1) TAKEOFF MINIMUMS:

RWY 6, 24, STANDARD.

RWY 17, 300-1 1/4 OR STANDARD WITH MINIMUM CLIMB OF 277 FT PER NM TO 600.

RWY 35, 300-1 1/2 OR STANDARD WITH MINIMUM CLIMB OF 253 FT PER NM TO 500.

(2) TEXTUAL DEPARTURE PROCEDURE:

RWY 6 - CLIMB HEADING 058.41 TO 1000 BEFORE TURNING RIGHT.

RWY 24 - CLIMB HEADING 245.00 TO 900 BEFORE PROCEEDING ON COURSE.

RWY 35 - CLIMB HEADING 352.53 TO 1300 BEFORE TURNING LEFT.

(3) TAKEOFF OBSTACLE NOTES:

NOTE: RWY 6, TREES BEGINNING 238' FROM DER, 266' LEFT OF CENTERLINE, UP TO 108' AGL/308' MSL. TREES BEGINNING 272' FROM DER, 378' RIGHT OF CENTERLINE, UP TO 67' AGL/277' MSL. NOTE: RWY 17, TREES, POLES, AND BUILDINGS BEGINNING 761' FROM DER, 4' RIGHT OF CENTERLINE, UP TO 98' AGL/433' MSL. SIGN, POLES, TREES, AND BUILDINGS BEGINNING 976' FROM DER, 2' LEFT OF CENTERLINE, UP TO 108' AGL/457' MSL. NOTE: RWY 24, TREES BEGINNING 810' FROM DER, 424' LEFT OF CENTERLINE, UP TO 123' AGL/293' MSL. NOTE: RWY 35, TREE AND POLES BEGINNING 719' FROM DER, 558' RIGHT OF CENTERLINE, UP TO 51' AGL/281' MSL. POLE AND TREES BEGINNING 891' FROM DER, 527' LEFT OF CENTERLINE, UP TO 80' AGL/414' MSL.

(4) CONTROLLING OBSTACLES:

RWY 6: 789 MSL AAO 425822.72N/0712137.11W.

RWY 17: 457 MSL POLE 425417.00N/0712502.00W.

RWY 24: 1,523 MSL TOWER 425854.70N/0713519.50W, 547 MSL TOWER 425426.98N/0712740.95W.

RWY 35: 409 MSL TREE 425716.44N/0712718.29W. 390 MSL TREE 425725.99N/0712711.90W. 1,523 MSL TOWER 425854.70N/0713519.50W.

(5) City, State

MANCHESTER, NH

(6) Airport

MANCHESTER

(7) Effective Date

20 NOV 2008

(8) Amdt. No.

9

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE
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.

TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
YOSUN (IAF)	HITON (NOPT) (FB)	303.42 / 5.00	3000	LPV: DA LNAV/VNAV: DA LNAV: RW21 CLIMB TO 3000 DIRECT NEKOE AND HOLD. ADDITIONAL FLIGHT DATA: HOLD SW, RT, 033.22 INBOUND. CHART FAS OBST: 1308 TOWER 393207N/0835036W CHART FAS OBST: 1187 TOWER 393049N/0835025W DISTANCE TO THLD FROM 458 HAT: 1.32 NM. WAAS CHANNEL # 99608 REFERENCE PATH ID: W21A
COMAS (IAF)	HITON (NOPT) (FB)	123.30 / 5.00	3000	
HITON (IF/IAF)	IKEYU (FB)	213.36 / 6.26	2600	

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- HOLD NE HITON, RT, 213.36 INBOUND, 3000 FT. IN LIEU OF PT (IAF)
- FAC: 213.32 FAF: IKEYU DIST FAF TO MAP: 4.74 THLD: 4.74
- MIN. ALT: HITON 3000, IKEYU 2600
- DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
- MIN GS INCPT: 2600 GS ALT AT: IKEYU OM: MM: IM:
- GS ANGLE: 3.00 TCH: 40.0 34:1 IS NOT CLEAR
- MSA FROM:

MAG VAR: 5W

EPOCH YEAR: 2000

MINIMUMS																
TAKEOFF: <u> </u>	STANDARD	X	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	1491	1 3/4	458	1491	1 3/4	458	1491	1 3/4	458		NA					
LNAV/VNAV DA	1589	2	556	1589	2	556	1589	2	556		NA					
LNAV MDA	1640	1	607	1640	1	607	1640	1 3/4	607		NA					
CIRCLING	1740	1	707	1740	1	707	1740	2	707		NA					

NOTES:
 CHART NOTE: BARO-VNAV NA WHEN USING WILMINGTON/AIRBORNE AIRPARK ALTIMETER SETTING.
 CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17C (2F) OR ABOVE 54C (130F).
 CHART NOTE: DME/DME RNP-0.3 NA.
 CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
 SEE 8260-10

CITY AND STATE	ELEVATION: 1033 TDZE: 1033	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
WILMINGTON, OH	AIRPORT NAME: CLINTON FIELD		RNAV (GPS) RWY 21, AMDT 1	AMDT: ORIG
			20 NOV 2008	DATED 07/05/2007

QUALITY

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - 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.

NOTES CONT.

CHART PROFILE NOTE: VGSi AND RNAV GLIDEPATH NOT COINCIDENT.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE WILMINGTON/AIRBORNE AIRPARK ALTIMETER
SETTING AND INCREASE ALL DA/MDA 20 FEET.

TAA

	FROM	TO	ALT
1.	123/30 CW 303/30 (NOPT)	HITON (IF/IAF) (FB)	3000
2.	303/30 CW 033/30	YOSUN (IAF) (FB)	3000
3.	033/30 CW 123/30	COMAS (IAF) (FB)	3100

CITY AND STATE

WILMINGTON, OH

ELEVATION: 1033 TDZE: 1033

AIRPORT NAME:

CLINTON FIELD

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 21, AMDT 1

20 NOV 2008

SUP:

AMDT: ORIG

DATED: 07/05/2007

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

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	I66
RUNWAY	RW21
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W21A
LTP/FTP LATITUDE	393024.4985N
LTP/FTP LONGITUDE	0835137.1015W
LTP/FTP ELLIPSOIDAL HEIGHT	+02814
FPAP LATITUDE	392905.9700N
FPAP LONGITUDE	0835231.6400W
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	1656
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER 9DEC9DBE

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+03142
FPAP ORTHOMETRIC HEIGHT	+03142

CITY AND STATE
WILMINGTON, OH

ELEVATION: 1033 TDZE: 1033
AIRPORT NAME:
CLINTON FIELD

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 21, AMDT 1
20 NOV 2008

SUP:	
AMDT:	ORIG
DATED:	07/05/2007

QUALITY
CHECKED

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are 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 WILMINGTON, OH	ELEVATION: 1033 TDZE: 1033 AIRPORT NAME: CLINTON FIELD	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 21, AMDT 1 20 NOV 2008	SUP:
				AMDT: ORIG
				DATED: 07/05/2007

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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CITY AND STATE
WILMINGTON, OH

ELEVATION: 1033 TDZE: 1033
AIRPORT NAME:
CLINTON FIELD

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 21, AMDT 1
20 NOV 2008

SUP:	
AMDT:	ORIG
DATED:	07/05/2007

QUALITY
3
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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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ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE
	COMAS	COMAS	010	IAF	IF		FB				
	COMAS	HITON	020		TF		FB	1.0	123.3 (118T)	005.0	03000
	HITON	HITON	010		HF	R	FB		213.4 (208T)	004.0	03000
	YOSUN	YOSUN	010	IAF	IF		FB				
	YOSUN	HITON	020		TF		FB	1.0	303.4 (298T)	005.0	03000
		HITON	010	FACF	IF		FB				03000
		IKEYU	020	FAF	TF		FB	0.5	213.4 (208T)	006.3	02600
		RW21	030	MAP	TF		FO	0.3	213.3 (208T)	004.7	01071

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE
	NEKOE	040		DF		FO	1.0			03000
	NEKOE	050		HM	R	FO	2.0	033.2 (028T)	004.0	03000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	COMAS	N394228.44	W0835034.09	N3942.474	W08350.568
	HITON	N394005.96	W0834452.02	N3940.099	W08344.867
	IKEYU	N393435.07	W0834842.81	N3934.585	W08348.714
	NEKOE	N391957.72	W0835851.40	N3919.962	W08358.857
	YOSUN	N393743.20	W0833910.34	N3937.720	W08339.172
	RW21	N393024.50	W0835137.10	N3930.408	W08351.618

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW21	01031	40

CITY AND STATE
WILMINGTON, OH

ELEVATION: 1033 TDZE: 1033
 AIRPORT NAME:
CLINTON FIELD

FACILITY
 IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 21, AMDT 1
20 NOV 2008

SUP:
 AMDT: **ORIG**
 DATED: **07/05/2007**

3
 07/05/2007

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION 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.																																																																													
TERMINAL ROUTES					MISSED APPROACH																																																																													
FROM	TO	COURSE AND DISTANCE	ALTITUDE	ADDITIONAL FLIGHT DATA:																																																																														
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF)					MAG VAR: <u> </u> EPOCH YEAR: <u> </u>																																																																													
2. <u> </u>																																																																																		
3. FAC <u> </u> FAF <u> </u> DIST FAF TO MAP <u> </u> THLD <u> </u>																																																																																		
4. MIN. ALT <u> </u>																																																																																		
8. MSA FROM: <u> </u>																																																																																		
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width: 10%;">TAKEOFF:</td> <td style="width: 10%;">STANDARD</td> <td colspan="4" style="width: 40%;">SEE FAA FORM 8260-15A FOR THIS AIRPORT</td> <td colspan="2" style="width: 20%;">ALTERNATE: N A</td> <td colspan="2"></td> </tr> <tr> <td>CATEGORY >>>>></td> <td colspan="2" style="text-align: center;">A</td> <td colspan="2" style="text-align: center;">B</td> <td colspan="2" style="text-align: center;">C</td> <td colspan="2" style="text-align: center;">D</td> <td colspan="2" style="text-align: center;">E</td> </tr> <tr> <td></td> <td style="text-align: center;">MDA</td> <td style="text-align: center;">VIS</td> <td style="text-align: center;">HAT/HAA</td> <td style="text-align: center;">MDA</td> <td style="text-align: center;">VIS</td> <td style="text-align: center;">HAT/HAA</td> <td style="text-align: center;">MDA</td> <td style="text-align: center;">VIS</td> <td style="text-align: center;">HAT/HAA</td> <td style="text-align: center;">MDA</td> <td style="text-align: center;">VIS</td> <td style="text-align: center;">HAT/HAA</td> </tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </table>										TAKEOFF:	STANDARD	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																																							
TAKEOFF:	STANDARD	SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE: N A																																																																												
CATEGORY >>>>>	A		B		C		D		E																																																																									
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA																																																																						
NOTES: 20 NOV 2008 PROCEDURE CANCELED EFFECTIVE <u> </u>																																																																																		
CITY AND STATE CHESTER, SC		ELEVATION: 656 TDZE: 656 AIRPORT NAME: CHESTER CATAWBA REGIONAL		FACILITY IDENTIFIER: GPS		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: GPS RWY 17, ORIG, 03/25/1999			SUP AMDT NONE DATE																																																																									

GPS STANDARD INSTRUMENT APPROACH PROCEDURE

Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

MISSED APPROACH

[illegible]

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

NOTES:

CITY AND STATE	ELEVATION: 656	TDZE: 648	FACILITY	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP

QUANTITY
2
CHECKED

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

**RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE
FAR PART 97.33**

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TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
CIBOB	HUPNI (FB)	277.42 / 8.88	2300	LNAV: RW17 CLIMB TO 2300 DIRECT HUSNY AND HOLD. ADDITIONAL FLIGHT DATA: HOLD S, RT, 354.07 INBOUND. CHART FAS OBST: 828 POWERLINES 345051N/0811202W IYDAD TO RW17: 3.04/34.
EHAXY (IAF)	SUNYO (FB)	083.92 / 8.28	2300	
HUPNI (IAF)	SUNYO (FB)	264.07 / 5.00	2300	
SUNYO (IF)	IYDAD (FB)	174.01 / 6.01	2300	

- PT NA SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- PROFILE STARTS AT SUNYO
- FAC: 174.03 FAF: IYDAD DIST FAF TO MAP: 4.99 THLD: 4.99
- MIN. ALT: SUNYO 2300, IYDAD 2300
- DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
- MIN GS INCPT: GS ALT AT: OM: MM: IM:
- GS ANGLE: TCH: 34:1 IS NOT CLEAR
- MSA FROM: RW17 2900

MAG VAR: 6W

EPOCH YEAR: 2000

MINIMUMS

TAKEOFF:		STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT			ALTERNATE: N A		X							
CATEGORY =====>		A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	
LNAV MDA	1080	1	424	1080	1	424	1080	1 1/4	424	1080	1 1/4	424				
CIRCLING	1160	1	504	1160	1	504	1160	1 1/2	504	1220	2	564				

NOTES:
 CHART NOTE: DME/DME RNP-0.3 NA.
 CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
 CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ROCK HILL ALTIMETER SETTING AND INCREASE ALL MDA 40 FEET AND LNAV CAT D VISIBILITY 1/4 MILE.
 CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT EHAXY VIA V415 WESTBOUND.

CITY AND STATE	ELEVATION: 656 TDZE: 656	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 17, ORIG 20 NOV 2008	SUP: AMDT: NONE DATED
CHESTER, SC	AIRPORT NAME: CHESTER CATAWBA REGIONAL			

QUALITY
2
CHECKED

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are 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 CHESTER, SC	ELEVATION: 656 TDZE: 656 AIRPORT NAME: CHESTER CATAWBA REGIONAL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 17, ORIG 20 NOV 2008	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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ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	CIBOB	CIBOB	010		IF		FB				
	CIBOB	HUPNI	020	IAF	TF		FB	2.0	277.4 (271T)	008.9	02300
	CIBOB	SUNYO	030		TF		FB	1.0	264.1 (258T)	005.0	02300
	EHAXY	EHAXY	010	IAF	IF		FB				
	EHAXY	SUNYO	020		TF		FB	1.0	083.9 (078T)	008.3	02300
		SUNYO	010	FACF	IF		FB				02300
		IYDAD	020	FAF	TF		FB	0.5	174.0 (168T)	006.0	02300
		RW17	030	MAP	TF		FO	0.3	174.0 (168T)	005.0	00690

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	HUSNY	040		DF		FO	1.0			02300
	HUSNY	050		HM	R	FO	2.0	354.1 (348T)	004.0	02300

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CIBOB	N345925.35	W0805802.25	N3459.423	W08058.038
	EHAXY	N345652.00	W0812439.04	N3456.867	W08124.651
	HUPNI	N345938.05	W0810850.68	N3459.634	W08108.845
	HUSNY	N343613.91	W0810903.31	N3436.232	W08109.055
	IYDAD	N345242.21	W0811316.77	N3452.704	W08113.280
	SUNYO	N345835.77	W0811447.86	N3458.596	W08114.798
	RW17	N344749.07	W0811201.42	N3447.818	W08112.024

RUNWAY DATA	THRESHOLD	ELEVATION	TCH
RWY			
RW17	00656		34

CITY AND STATE
CHESTER, SC

ELEVATION: 656 TDZE: 656
 AIRPORT NAME:
CHESTER CATAWBA REGIONAL

FACILITY
 IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 17, ORIG
20 NOV 2008

SUP:
 AMDT: **NONE**
 DATED:

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE
FAR PART 97.33

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TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
TAYSO (IAF)	HUSNY (NOPT) (FB)	083.98 / 8.33	2300	LNAB: RW35 CLIMBING LEFT TURN TO 2300 DIRECT HUSNY AND HOLD. ADDITIONAL FLIGHT DATA: CHART FAS OBST: 863 TOWER 344305N/0811203W FETBY TO RW35: 3.04/33.
GREAT (IAF)	HUSNY (NOPT) (FB)	327.23 / 11.28	2300	
HUSNY (IF/IAF)	FETBY (FB)	354.07 / 6.25	2200	

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- HOLD S HUSNY, RT, 354.07 INBOUND, 2300 FT. IN LIEU OF PT (IAF)
- FAC: 354.05 FAF: FETBY DIST FAF TO MAP: 4.75 THLD: 4.75
- MIN. ALT: HUSNY 2300, FETBY 2200
- DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
- MIN GS INCPT: GS ALT AT: OM: MM: IM:
- GS ANGLE: TCH: 34:1 IS NOT CLEAR
- MSA FROM: RW35 2900

MAG VAR: 6W EPOCH YEAR: 2000

MINIMUMS

TAKEOFF:	STANDARD	X	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
LNAB MDA	1100	1	452	1100	1	452	1100	1 1/4	452	1100	1 1/2	452			
CIRCLING	1160	1	504	1160	1	504	1160	1 1/2	504	1220	2	564			

NOTES:
 CHART NOTE: DME/DME RNP-0.3 NA.
 CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
 CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ROCK HILL ALTIMETER SETTING AND INCREASE ALL MDA 40 FEET

CITY AND STATE CHESTER, SC	ELEVATION: 656 TDZE: 648 AIRPORT NAME: CHESTER CATAWBA REGIONAL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 35, ORIG 20 NOV 2008	SUP: AMDT: NONE DATED

QUALITY
2
CHECKED

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

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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ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	GREAT	GREAT	010	IAF	IF		FB				
	GREAT	HUSNY	020		TF		FB	1.0	327.2 (321T)	011.3	02300
	HUSNY	HUSNY	010		HF	R	FB		354.1 (348T)	004.0	02300
	TAYSO	TAYSO	010	IAF	IF		FB				
	TAYSO	HUSNY	020		TF		FB	1.0	084.0 (078T)	008.3	02300
		HUSNY	010	FACF	IF		FB				02300
		FETBY	020	FAF	TF		FB	0.5	354.1 (348T)	006.3	02200
		RW35	030	MAP	TF		FO	0.3	354.1 (348T)	004.8	00669

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	HUSNY	040		DF	L	FO	1.0			02300
	HUSNY	050		HM	R	FO	2.0	354.1 (348T)	004.0	02300

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	FETBY	N344221.64	W0811037.43	N3442.361	W08110.624
	GREAT	N342725.57	W0810029.88	N3427.426	W08100.498
	HUSNY	N343613.91	W0810903.31	N3436.232	W08109.055
	TAYSO	N343429.99	W0811855.69	N3434.500	W08118.928
	RW35	N344700.69	W0811149.00	N3447.012	W08111.817

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW35	00636	33

CITY AND STATE
CHESTER, SC

ELEVATION: 656 TDZE: 648
 AIRPORT NAME:
CHESTER CATAWBA REGIONAL

FACILITY IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 35, ORIG
20 NOV 2008

SUP:
 AMDT: **NONE**
 DATED: **0 2**

TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	MAP: EOE NDB
WILLS INT	EOE NDB	213.75 / 12.34	3000	CLIMB TO 1800 THEN CLIMBING LEFT TURN TO 3000 DIRECT EOE NDB AND HOLD.
BUBBA INT	EOE NDB	269.47 / 11.52	3000	
CHATT INT	EOE NDB	058.37 / 15.22	3000	
GRD VORTAC	EOE NDB	082.92 / 26.01	3000	
				ADDITIONAL FLIGHT DATA: HOLD NE, LT, 213.37 INBOUND. CHART FAS OBST: 736 TOWER 342755N/0813502W FAC CROSSES RWY C/L EXTENDED 3001 FROM THLD.

1. PT R SIDE OF COURSE 033.37 OUTBOUND 2500 FT WITHIN 10 MILES OF EOE NDB (IAF)

2. _____

3. FAC 213.37 FAF _____ DIST FAF TO MAP _____ THLD _____

4. MIN. ALT _____

8. MSA FROM: EOE NDB 3000 MAG VAR: 7W EPOCH YEAR: 2010

MINIMUMS															
TAKEOFF:	STANDARD	X	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-22	1100	1	530	1100	1	530	1100	1 1/2	530		NA				
CIRCLING	1100	1	530	1100	1	530	1100	1 1/2	530		NA				

NOTES:

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE GREENWOOD COUNTY ALTIMETER SETTING AND INCREASE ALL MDA 80 FEET AND CIRCLING CAT C VISIBILITY 1/4 MILE.

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

CITY AND STATE

NEWBERRY, SC

ELEVATION: 570 TDZE: 570

AIRPORT NAME:

NEWBERRY COUNTY

FACILITY IDENTIFIER:

EOE

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

NDB RWY 22, AMDT 6

20 NOV 2008

SUP

AMDT 5

DATE 10/25/2007

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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(1) TAKEOFF MINIMUMS:

RWY 04, 22 STANDARD

(2) TEXTUAL DEPARTURE PROCEDURE:

(3) TAKEOFF OBSTACLE NOTES:

NOTE: RWY 04, MULTIPLE TREES BEGINNING 1895' FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 100' AGL/659' MSL.

NOTE: RWY 22, MULTIPLE TREES BEGINNING 500' FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 100' AGL/629' MSL.

(4) CONTROLLING OBSTACLES:

(5) City, State

NEWBERRY, SC

(6) Airport

NEWBERRY COUNTY

(7) Effective Date

20 NOV 2008

(8) Amdt. No.

1

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
NDB STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.27

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

TERMINAL ROUTES

MISSED APPROACH

FROM	TO	COURSE AND DISTANCE	ALTITUDE

ADDITIONAL FLIGHT DATA:

1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)
 2. _____
 3. FAC _____ FAF _____ DIST FAF TO MAP _____ THLD _____
 4. MIN. ALT _____
 8. MSA FROM: _____

MAG VAR: _____

EPOCH YEAR: _____

TAKEOFF: _____	STANDARD _____	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:

20 NOV 2008

PROCEDURE CANCELED EFFECTIVE _____

CITY AND STATE KNOXVILLE, TN	ELEVATION: 981 TDZE: 959 AIRPORT NAME: MCGHEE-TYSON	FACILITY IDENTIFIER: TY	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: NDB RWY 5R, AMDT 5A, 05/23/2007	SUP AMDT 5 DATE 05/12/2005

QUALITY
2
CHECKED

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE
FAR PART 97.33

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TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
GROSS (IAF)	WUPUL (FB)	060.57 / 9.71	3100	LPV: DA LNAV/VNAV: DA LNAV: RW05R CLIMB TO 4000 DIRECT GOVPE AND VIA 039.12 TRACK TO VXV VORTAC AND HOLD, CONTINUE CLIMB-IN-HOLD TO 4000.
WUPUL (IF)	VOYUR (FB)	047.70 / 6.10	2700	
				ADDITIONAL FLIGHT DATA: HOLD NE, LT, 233.00 INBOUND. CHART FAS OBST: 1047 T-L TWR 354726N/0840039W CHART FAS OBST: 1319 TREE 354425N/0840319W CHART 1339 TREE 354353N/0840353W. CHART: ASR DISTANCE TO THLD FROM 317 HAT: 0.93 NM. CHART VDP AT 1.88 MILES TO RW05R* *LNAV ONLY. WAAS CHANNEL # 97410 REFERENCE PATH ID: W05B

- PT NA SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- PROFILE STARTS AT WUPUL
- FAC: 047.75 FAF: VOYUR DIST FAF TO MAP: 5.32 THLD: 5.32
- MIN. ALT: WUPUL 3100, VOYUR 2700
- DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
- MIN GS INCPT: 2700 GS ALT AT: VOYUR OM: MM: IM:
- GS ANGLE: 3.00 TCH: 42.6 34:1 IS CLEAR
- MSA FROM: RW05R 7900

MAG VAR: 3W EPOCH YEAR: 1985

MINIMUMS																
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N A	STANDARD											
CATEGORY =====>	A			B			C			D			E			
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	
LPV DA	1276	1 1/4	317	1276	1 1/4	317	1276	1 1/4	317	1276	1 1/4	317				
LNAV/VNAV DA	1471	2	512	1471	2	512	1471	2	512	1471	2	512				
LNAV MDA	1580	1	621	1580	1	621	1580	1 3/4	621	1580	2	621				
CIRCLING	1580	1	599	1580	1	599	1580	1 3/4	599	1620	2	639				

NOTES:
 CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C (4F) OR ABOVE 47C (116F).
 CHART NOTE: DME/DME RNP-0.3 NA.
 CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT GROSS VIA V115 SOUTHWEST BOUND.

CITY AND STATE KNOXVILLE, TN	ELEVATION: 981 TDZE: 959 AIRPORT NAME: MCGHEE-TYSON	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 5R, AMDT 1 20 NOV 2008	SUP: AMDT: ORIG DATED 03/20/2003

CHECKED

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	KTYS
RUNWAY	RW05R
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W05B
LTP/FTP LATITUDE	354800.2525N
LTP/FTP LONGITUDE	0840014.4115W
LTP/FTP ELLIPSOIDAL HEIGHT	+02555
FPAP LATITUDE	354903.5600N
FPAP LONGITUDE	0835857.2100W
THRESHOLD CROSSING HEIGHT (TCH)	00042.6
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0008
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER

9DC64B08

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+02861
FPAP ORTHOMETRIC HEIGHT	+02861

CITY AND STATE
KNOXVILLE, TN

ELEVATION: 981 TDZE: 959
AIRPORT NAME:
MCGHEE-TYSON

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 5R, AMDT 1
20 NOV 2008

SUP:	
AMDT:	ORIG
DATED:	03/20/2003

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ARINC PACKET - 424-18[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KTYSK7FR05R	AGROSS	010GROSSK7EA0E	A	IF					18000		A	JS
SUSAP	KTYSK7FR05R	AGROSS	020WUPULK7EA0EE		010TF		06060097	+	03100			A	JS
SUSAP	KTYSK7FR05R	R	010WUPULK7EA0E	I	IF			+	03100	18000		A	JS
SUSAP	KTYSK7FR05R	R	020VOYURK7EA1E	F	051TF		04770061	+	02700		RW05R	K7PGA	JS
SUSAP	KTYSK7FR05R	R	020VOYURK7EA2WALPV			ALNAV/VNAV	ALNAV						JS
SUSAP	KTYSK7FR05R	R	030RW05RK7PG0GY	M	031TF		04780053		00982	-300		A	JS
SUSAP	KTYSK7FR05R	R	040GOVPEK7EA0E	M	010DF							A	JS
SUSAP	KTYSK7FR05R	R	050VXV	K7D	0VY		0391	+	04000			A	JS
SUSAP	KTYSK7FR05R	R	060VXV	K7D	0VE	HL020HM	23300050	+	04000			A	JS

[illegible][illegible]

CITY AND STATE
KNOXVILLE, TN

ELEVATION: 981 TDZE: 959
AIRPORT NAME:
MCGHEE-TYSON

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 5R, AMDT 1
20 NOV 2008

SUP:	
AMDT:	ORIG
DATED:	03/20/2003

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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SUSAP	KTYSK7PR05R	RW05R001	0000W05B0N3548002525W08400144115+025550300N3549035600W08358572100106750008000426F4005009DC64B08
SUSAP	KTYSK7PR05R	RW05R002E	+02861+02861LPV 97410 000

[illegible]

CITY AND STATE
KNOXVILLE, TN

ELEVATION: 981 TDZE: 959
AIRPORT NAME:
MCGHEE-TYSON

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 5R, AMDT 1
20 NOV 2008

SUP:	
AMDT:	ORIG
DATED:	03/20/2003

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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ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
GROSS	GROSS	GROSS	010	IAF	IF		FB				
	GROSS	WUPUL	020		TF		FB	1.0	060.6 (058T)	009.7	03100
		WUPUL	010	FACF	IF		FB				03100
		VOYUR	020	FAF	TF		FB	0.5	047.7 (045T)	006.1	02700
		RW05R	030	MAP	TF		FO	0.3	047.8 (045T)	005.3	00982

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	GOVPE	040		DF		FB	1.0			
	VXV	050		TF		FO	1.0	039.1 (036T)		04000
	VXV	060		HM	L	FO	2.0	233.0 (230T)	005.0	04000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	VXV	N355417.42	W0835341.01	N3554.290	W08353.684
	GOVPE	N355050.75	W0835646.39	N3550.846	W08356.773
	GROSS	N353440.44	W0842010.42	N3534.674	W08420.174
	VOYUR	N354413.37	W0840450.64	N3544.223	W08404.844
	WUPUL	N353952.92	W0841006.95	N3539.882	W08410.116
	RW05R	N354800.25	W0840014.41	N3548.004	W08400.240

RUNWAY DATA	THRESHOLD	ELEVATION	TCH
RWY			
RW05R	00939		43

CITY AND STATE
KNOXVILLE, TN

ELEVATION: 981 TDZE: 959
 AIRPORT NAME:
MCGHEE-TYSON

FACILITY
 IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 5R, AMDT 1
20 NOV 2008

SUP:
 AMDT: **ORIG**
 DATED: **03/20/2003**

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE
FAR PART 97.33

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TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
PENCE (IAF)	CELOB (FB)	257.74 / 14.71	3100	LPV: DA LNAV/VNAV: DA LNAV: RW23L CLIMB TO 3000 DIRECT VOYUR AND VIA 235.72 TRACK TO GROSS AND HOLD. ADDITIONAL FLIGHT DATA: HOLD SW, RT, 050.88 INBOUND. CHART FAS OBST: 1222 TREE 355037N/0835810W CHART FAS OBST: 1418 TOWER 355037N/0835506W CHART: ASR DISTANCE TO THLD FROM 250 HAT: 0.64 NM. CHART VDP AT 1.78 MILES TO RW23L * LNAV ONLY. WAAS CHANNEL # 90210 REFERENCE PATH ID: W23B
NOISE (IAF)	CELOB (FB)	158.00 / 15.26	3100	
CELOB (IF)	HOTAX (FB)	227.91 / 6.10	2800	

- PT NA SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- PROFILE STARTS AT CELOB
- FAC: 227.86 FAF: HOTAX DIST FAF TO MAP: 5.53 THLD: 5.53
- MIN. ALT: CELOB 3100, HOTAX 2800
- DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
- MIN GS INCPT: 2800 GS ALT AT: HOTAX 2800 OM: MM: IM:
- GS ANGLE: 3.00 TCH: 50.0 34:1 IS NOT CLEAR
- MSA FROM: RW23L 7900

MAG VAR: 3W EPOCH YEAR: 1985

MINIMUMS															
TAKEOFF:	STANDARD	X	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	1215	4000	250	1215	4000	250	1215	4000	250	1215	4000	250			
LNAV/VNAV DA	1544	2	579	1544	2	579	1544	2	579	1544	2	579			
LNAV MDA	1580	5000	615	1580	5000	615	1580	1 3/4	615	1580	2	615			
CIRCLING	1580	1	599	1580	1	599	1580	1 3/4	599	1620	2	639			

NOTES:
 CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C (4F) OR ABOVE 47C (116F).
 CHART NOTE: DME/DME RNP-0.3 NA.
 CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
 CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT NOISE VIA V97 NORTHBOUND.
 CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT PENCE VIA V16-185 NORTHEAST BOUND.

CITY AND STATE	ELEVATION: 981 TDZE: 965	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 23L, AMDT 1 20 NOV 2008	SUP: AMDT: ORIG DATED 03/20/2003
KNOXVILLE, TN	AIRPORT NAME: MCGHEE-TYSON			

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

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

FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KTYS
RUNWAY	RW23L
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W23B
LTP/FTP LATITUDE	354900.5885N
LTP/FTP LONGITUDE	0835900.8310W
LTP/FTP ELLIPSOIDAL HEIGHT	+02627
FPAP LATITUDE	354757.2800N
FPAP LONGITUDE	0840018.0200W
THRESHOLD CROSSING HEIGHT (TCH)	00050.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0128
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER 189B28B3

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+02932
FPAP ORTHOMETRIC HEIGHT	+02932

CITY AND STATE KNOXVILLE, TN	ELEVATION: 981 TDZE: 965 AIRPORT NAME: MCGHEE-TYSON	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 23L, AMDT 1 20 NOV 2008	SUP: AMDT: ORIG DATED: 03/20/2003

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

[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KTYSK7FR23L	ANOISE	010NOISEK7EA0E	A	IF					18000		A	JS
SUSAP	KTYSK7FR23L	ANOISE	020CELOBK7EA0EE		010TF		15800153	+	03100			A	JS
SUSAP	KTYSK7FR23L	APENCE	010PENCKE7EA0E	A	IF					18000		A	JS
SUSAP	KTYSK7FR23L	APENCE	020CELOBK7EA0EE		010TF		25770147	+	03100			A	JS
SUSAP	KTYSK7FR23L	R	010CELOBK7EA0E	I	IF			+	03100	18000		A	JS
SUSAP	KTYSK7FR23L	R	020HOTAXK7EA1E	F	051TF		22790061	+	02800		RW23L	K7PGA	JS
SUSAP	KTYSK7FR23L	R	020HOTAXK7EA2WALPV			ALNAV/VNAV	ALNAV						JS
SUSAP	KTYSK7FR23L	R	030RW23LK7PGOGY	M	031TF		22790055		01012	-300		A	JS
SUSAP	KTYSK7FR23L	R	040VOYURK7EA0E	M	010DF							A	JS
SUSAP	KTYSK7FR23L	R	050GROSSK7EA0EY		010TF		2357	+	03000			A	JS
SUSAP	KTYSK7FR23L	R	060GROSSK7EA0EE		HR020HM		05090050	+	03000			A	JS

[illegible][illegible]

CITY AND STATE KNOXVILLE, TN	ELEVATION: 981 TDZE: 965 AIRPORT NAME: MCGHEE-TYSON	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 23L, AMDT 1 20 NOV 2008	SUP:
				AMDT: ORIG
				DATED: 03/20/2003

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

[illegible]

SUP:	
AMDT:	ORIG
DATED:	03/20/2003

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
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.

ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE
	NOISE	NOISE	010	IAF	IF		FB				
	NOISE	CELOB	020		TF		FB	1.0	158.0(155T)	015.3	03100
	PENCE	PENCE	010	IAF	IF		FB				
	PENCE	CELOB	020		TF		FB	1.0	257.7(255T)	014.7	03100
		CELOB	010	FACF	IF		FB				03100
		HOTAX	020	FAF	TF		FB	0.5	227.9(225T)	006.1	02800
		RW23L	030	MAP	TF		FO	0.3	227.9(225T)	005.5	01012

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE
	VOYUR	040		DF		FB	1.0			
	GROSS	050		TF		FO	1.0	235.7(233T)		03000
	GROSS	060		HM	R	FO	2.0	050.9(048T)	005.0	03000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CELOB	N355715.95	W0834855.10	N3557.266	W08348.918
	GROSS	N353440.44	W0842010.42	N3534.674	W08420.174
	HOTAX	N355256.21	W0835413.10	N3552.937	W08354.218
	NOISE	N361107.13	W0835651.58	N3611.119	W08356.860
	PENCE	N360109.80	W0833126.31	N3601.163	W08331.439
	VOYUR	N354413.37	W0840450.64	N3544.223	W08404.844
	RW23L	N354900.59	W0835900.83	N3549.010	W08359.014

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW23L	00962	50

CITY AND STATE
KNOXVILLE, TN

ELEVATION: 981 TDZE: 965
 AIRPORT NAME:
MCGHEE-TYSON

FACILITY
 IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 23L, AMDT 1
20 NOV 2008

SUP:
 AMDT: **ORIG**
 DATED: **03/20/2003**

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE
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.

TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
VXV VORTAC (IAF)	BOTRE (FB)	102.53 / 5.62	3000	LPV: DA LNAV/VNAV: DA LNAV: RW10 CLIMB TO 4000 DIRECT HATEM AND VIA 010.06 TRACK TO IDAXE AND VIA 303.78 TRACK TO PENCE AND HOLD.
BOTRE (IF)	HOBID (FB)	101.65 / 6.01	3000	
				ADDITIONAL FLIGHT DATA: HOLD E, RT, 252.08 INBOUND. CHART FAS OBST: 1432 TWR 355228N/0833354W DISTANCE TO THLD FROM 357 HAT: 0.98 NM. WAAS CHANNEL # 99510 REFERENCE PATH ID: W10A

1. PT NA SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
2. PROFILE STARTS AT BOTRE
3. FAC: 101.72 FAF: HOBID DIST FAF TO MAP: 5.99 THLD: 5.99
4. MIN. ALT: BOTRE 3000, HOBID 3000
5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
6. MIN GS INCPT: 3000 GS ALT AT: HOBID 3000 OM: MM: IM:
7. GS ANGLE: 3.00 TCH: 45.3 34:1 IS NOT CLEAR
8. MSA FROM: RW10 7900

MAG VAR: 3W

EPOCH YEAR: 1985

MINIMUMS

TAKEOFF:		STANDARD	X	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	1371	1 1/4	357	1371	1 1/4	357	1371	1 1/4	357	1371	1 1/4	357				
LNAV/VNAV DA	2013	2	999	2013	2	999	2013	3	999	2013	3	999				
LNAV MDA	1800	1	786	1800	1 1/4	786	1800	2 1/4	786	1800	2 1/2	786				
CIRCLING	1800	1	786	1880	1 1/4	866	1880	2 1/2	866	1880	2 3/4	866				

NOTES:
 CHART NOTE: BARO-VNAV NA WHEN USING KNOXVILLE ALTIMETER SETTING.
 CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17C (2F) OR ABOVE 47C (116F).
 CHART NOTE: DME/DME RNP-0.3 NA.
 CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
 SEE 8260-10

CITY AND STATE SEVIERVILLE, TN	ELEVATION: 1014 TDZE: 1014 AIRPORT NAME: GATLINBURG-PIGEON FORGE	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 10, ORIG 20 NOV 2008	SUP: AMDT: NONE DATED

QUALITY
CHECKED

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - 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.

NOTES CONT.

CHART PLANVIEW AND PROFILE NOTE: FOR LNAV/VNAV FLY VISUAL TO AIRPORT, 102.00 DEGREES - 3.2 MILES.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT VXV VORTAC VIA AIRWAY RADIALS 022 CW 102.

CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.

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

CITY AND STATE

SEVIERVILLE, TN

ELEVATION: 1014 TDZE: 1014

AIRPORT NAME:

GATLINBURG-PIGEON FORGE

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 10, ORIG

20 NOV 2008

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	KGKT
RUNWAY	RW10
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W10A
LTP/FTP LATITUDE	355132.0935N
LTP/FTP LONGITUDE	0833216.3800W
LTP/FTP ELLIPSOIDAL HEIGHT	+02786
FPAP LATITUDE	355118.4400N
FPAP LONGITUDE	0833028.0600W
THRESHOLD CROSSING HEIGHT (TCH)	00045.3
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1072
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER

1B5C9BB5

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+03090
FPAP ORTHOMETRIC HEIGHT	+03090

CITY AND STATE

SEVIERVILLE, TN

ELEVATION: 1014 TDZE: 1014

AIRPORT NAME:

GATLINBURG-PIGEON FORGE

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 10, ORIG

20 NOV 2008

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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ARINC PACKET - 424-18[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3	
SUSAP KGKTK7FR10	AVXV	010VXV	K7D	0V	A	IF				18000		A	JS	
SUSAP KGKTK7FR10	AVXV	020BOTREK7EA0EE	010TF				10250056	+	03000			A	JS	
SUSAP KGKTK7FR10	R	010BOTREK7EA0E	I	IF				+	03000	18000		A	JS	
SUSAP KGKTK7FR10	R	020HOBIDK7EA1E	F	051TF			10170060	+	03000		RW10	K7PGA	JS	
SUSAP KGKTK7FR10	R	020HOBIDK7EA2WALPV			ALNAV/VNAV	ALNAV							JS	
SUSAP KGKTK7FR10	R	030RW10	K7PG0GY	M	031TF		10170060		01059		-300		A	JS
SUSAP KGKTK7FR10	R	040HATEMK7EA0E	M	010DF									A	JS
SUSAP KGKTK7FR10	R	050IDAXEK7EA0E	010TF				0101						A	JS
SUSAP KGKTK7FR10	R	060PENCK7EA0EY	010TF				3038	+	04000				A	JS
SUSAP KGKTK7FR10	R	070PENCK7EA0EE	HR020HM				25210050	+	04000				A	JS

[illegible]

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

CITY AND STATE SEVIERVILLE, TN	ELEVATION: 1014 TDZE: 1014 AIRPORT NAME: GATLINBURG-PIGEON FORGE	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 10, ORIG 20 NOV 2008	SUP:
				AMDT: NONE
				DATED: 11/20/08

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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PP 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012

SUSAP KGKTK7PR10 RW10 001 0000W10A0N3551320935W08332163800+027860300N3551184400W08330280600106751072000453F4005001B5C9BB5
SUSAP KGKTK7PR10 RW10 002E +03090+03090LPV 99510 000

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

SUSAP KGKTK7SRW10 K7PG 0 18018007925 M

CITY AND STATE
SEVIERVILLE, TN

ELEVATION: 1014 TDZE: 1014
AIRPORT NAME:
GATLINBURG-PIGEON FORGE

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 10, ORIG
20 NOV 2008

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

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are 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 FLIGHT INSPECTION SUMMARY - VERSION 424-18

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE
	VXV	VXV	010	IAF	IF		FB				
	VXV	BOTRE	020		TF		FB	1.0	102.5(100T)	005.6	03000
		BOTRE	010	FACF	IF		FB				03000
		HOBID	020	FAF	TF		FB	0.5	101.7(099T)	006.0	03000
		RW10	030	MAP	TF		FO	0.3	101.7(099T)	006.0	01059

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE
	HATEM	040		DF		FB	1.0			
	IDAXE	050		TF		FB	1.0	010.1(007T)		
	PENCE	060		TF		FO	1.0	303.8(301T)		04000
	PENCE	070		HM	R	FO	2.0	252.1(249T)	005.0	04000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	VXV	N355417.42	W0835341.01	N3554.290	W08353.684
	BOTRE	N355321.39	W0834652.08	N3553.357	W08346.868
	HATEM	N355050.64	W0832648.16	N3550.844	W08326.803
	HOBID	N355226.92	W0833933.77	N3552.449	W08339.563
	IDAXE	N355822.06	W0832539.41	N3558.368	W08325.657
	PENCE	N360109.80	W0833126.31	N3601.163	W08331.439
	RW10	N355132.09	W0833216.38	N3551.535	W08332.273

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW10	01014	45

CITY AND STATE
SEVIERVILLE, TN

ELEVATION: 1014 TDZE: 1014
 AIRPORT NAME:
 GATLINBURG-PIGEON FORGE

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
 RNAV (GPS) RWY 10, ORIG
 20 NOV 2008

SUP:
 AMDT: NONE
 DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION VOR/DME STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICE - FAR 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: VXV 17.61 DME FIX							
VXV VORTAC (IAF)		GAUNT/5.00 DME		101.88 / 5.00				3000		CLIMBING LEFT TURN TO 4000 VIA VXV 19.00 DME ARC TO PENCE INT AND HOLD. ADDITIONAL FLIGHT DATA: HOLD E, RT, 252.08 INBOUND. CHART FAS OBST: 1530 TWR 355248N/0833310W FATTS TO RW10: 3.26/45.							
GAUNT/5.00 DME (IF)		FATTS/12.00 DME		101.88 / 7.00 (VXV R-102)				3000									
1. PT <u>NA</u> SIDE OF COURSE <u>OUTBOUND</u> <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. PROFILE STARTS AT VXV VORTAC 3. FAC <u>101.88</u> FAF <u>FATTS/12.00 DME</u> DIST FAF TO MAP <u> </u> THLD <u>5.61</u> 4. MIN. ALT <u>VXV VORTAC 3000, GAUNT 3000, FATTS 3000</u> 8. MSA FROM: <u>VXV VORTAC 090-200 7900, 200-090 5100</u>										MAG VAR: 3W				EPOCH YEAR: 1985			
MINIMUMS																	
TAKEOFF: ☐		STANDARD ☒		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-10	1840	1	826	1840	1 1/4	826	1840	2 1/2	826	1840	2 3/4	826					
CIRCLING	1840	1	826	1880	1 1/4	866	1880	2 1/2	866	1880	2 3/4	866					
NOTES: CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART PROFILE NOTE: VGSi AND DESCENT ANGLES NOT COINCIDENT. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON VXV VORTAC AIRWAY RADIALS 053 CW 102 (WESTBOUND). SEE 8260-10																	
CITY AND STATE		ELEVATION: 1014 TDZE: 1014		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP VOR/DME OR GPS RWY 10							
SEVIERVILLE, TN		AIRPORT NAME:		VXV		20 NOV 2008				AMDT 5A							
		GATLINBURG-PIGEON FORGE								DATE 04/30/2002							

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
VOR/DME STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - - FAR PART 97.23

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

NOTES CONT.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE KNOXVILLE ALTIMETER SETTING AND INCREASE ALL MDA 60 FEET AND CATS A, C AND D VISIBILITIES 1/4 MILE.

CITY AND STATE
SEVIERVILLE, TN

ELEVATION: 1014 TDZE: 1014
AIRPORT NAME:
GATLINBURG-PIGEON FORGE

FACILITY
IDENTIFIER:
VXV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
VOR/DME RWY 10, AMDT 6
20 NOV 2008

SUP: **VOR/DME OR GPS**
RWY 10
AMDT: **5A**
DATED: **04/30/2002**

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

FROM	TO	COURSE AND DISTANCE	ALTITUDE
CARTH INT	RPF NDB	293.51 / 6.84	2000
SPOUT INT	RPF NDB	118.45 / 13.35	2000

MISSED APPROACH

MAP: RPF NDB

CLIMBING RIGHT TURN TO 2000 IN RPF NDB HOLDING PATTERN.

ADDITIONAL FLIGHT DATA:

HOLD S, RT, 359.00 INBOUND.
FAS OBST: 569 AAO 320046N/0941533W
FAC 242R OF RWY C/L EXTENDED 3000 FROM THLD.

1. PT L SIDE OF COURSE 179.00 OUTBOUND 2000 FT WITHIN 10 MILES OF RPF NDB (IAF)
2. _____
3. FAC 359.00 FAF _____ DIST FAF TO MAP _____ THLD _____
4. MIN. ALT _____
8. MSA FROM: RPF NDB 2200

MAG VAR: 4E

EPOCH YEAR: 1995

MINIMUMS

TAKEOFF:	☒	STANDARD	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-35		1000	1	752	1000	1 1/4	752	1000	2 1/4	752			NA			
CIRCLING		1000	1	752	1000	1 1/4	752	1000	2 1/4	752			NA			

NOTES:

CHART NOTE: USE SHREVEPORT REGIONAL ALTIMETER SETTING; WHEN NOT RECEIVED USE EAST TEXAS REGIONAL ALTIMETER SETTING.

CITY AND STATE CARTHAGE, TX	ELEVATION: 248 TDZE: 248 AIRPORT NAME: PANOLA COUNTY-SHARPE FIELD	FACILITY IDENTIFIER: RPF	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: NDB RWY 35, AMDT 2 NOV 20 2008	SUP NDB OR GPS RWY 35 AMDT 1B DATE 12/21/2006

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE
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.

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
TUYPO (IF/IAF)	POYLI (FB)	173.77 / 8.52	2000

MISSED APPROACH

LNAV: RW17

CLIMB TO 3800 DIRECT JIPRI AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3800.

ADDITIONAL FLIGHT DATA:
HOLD S, RT, 353.79 INBOUND.
FAS OBST: 429 AAO 321619N/0941859W
POYLI TO RW17: 3.04/40.

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- HOLD N TUYPO, RT, 173.77 INBOUND, 2000 FT. IN LIEU OF PT (IAF)
- FAC: 173.78 FAF: POYLI DIST FAF TO MAP: 5.31 THLD: 5.31
- MIN. ALT: TUYPO 2000, POYLI 2000
- DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
- MIN GS INCPT: GS ALT AT: OM: MM: IM:
- GS ANGLE: TCH: 34:1 IS CLEAR
- MSA FROM: RW17 2200

MAG VAR: 4E

EPOCH YEAR: 1995

MINIMUMS

TAKEOFF:	X	STANDARD	SEE FAA FORM 8260-15A FOR THIS AIRPORT			ALTERNATE: N A			X						
CATEGORY ==>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LNAV MDA	760	1	513	760	1	513	760	1 1/2	513		NA				
CIRCLING	920	1	672	920	1	672	920	2	672		NA				

NOTES:

CHART NOTE: DME/DME RNP-0.3 NA.

CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT.

CHART PLANVIEW NOTE: NOPT FOR ARRIVALS AT TUYPO VIA V94.

CHART NOTE: USE SHREVEPORT REGIONAL ALTIMETER SETTING; WHEN NOT RECEIVED USE EAST TEXAS REGIONAL

ALTIMETER SETTING

CITY AND STATE	ELEVATION: 248 TDZE: 247	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 17, ORIG NOV 20 2008	SUP:
CARTHAGE, TX	AIRPORT NAME: PANOLA COUNTY-SHARPE FIELD			AMDT: NONE
				DATED

QUALITY
2
CHECKED

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are 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 CARTHAGE, TX	ELEVATION: 248 TDZE: 247 AIRPORT NAME: PANOLA COUNTY-SHARPE FIELD	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 17, ORIG NOV 20 2008	SUP:
				AMDT: NONE
				DATED:

QUALITY
CHECKED

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
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.

ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE
	TUYPO	TUYPO	010		HF	R	FB		173.8(178T)	004.0	02000
		TUYPO	010	FACF	IF		FB				
		POYLI	020	FAF	TF		FB	1.0	173.8(178T)	008.5	02000
		RW17	030	MAP	TF		FO	0.3	173.8(178T)	005.3	00284

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE
	JIPRI	040		DF		FO	1.0			03800
	JIPRI	050		HM	R	FO	2.0	353.8(358T)	004.0	03800

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	JIPRI	N315554.25	W0941715.76	N3155.904	W09417.263
	POYLI	N321612.68	W0941811.19	N3216.211	W09418.187
	TUYPO	N322444.56	W0941834.60	N3224.743	W09418.577
	RW17	N321053.65	W0941756.63	N3210.894	W09417.944

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW17	00244	40

CITY AND STATE
CARTHAGE, TX

ELEVATION: 248 TDZE: 247
AIRPORT NAME:
PANOLA COUNTY-SHARPE FIELD

**FACILITY
IDENTIFIER:**
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 17, ORIG
NOV 20 2008

SUP:
AMDT: NONE
DATED:

QUALITY
2
CHECKED

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are 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 CARTHAGE, TX	ELEVATION: 248 TDZE: 248 AIRPORT NAME: PANOLA COUNTY-SHARPE FIELD	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 35, ORIG NOV 20 2008	SUP:
				AMDT: NONE
				DATED:

QUALITY
QUANTITY

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

[illegible]

SUP:	
AMDT:	NONE
DATED:	

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
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.

ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	EXITE	EXITE	010	IAF	IF		FB				
	EXITE	JIPRI	020		TF		FB	1.0	250.4 (254T)	017.8	03800
	GGG	GGG	010		IF		FB				
	GGG	WENED	020	IAF	TF		FB	2.0	143.3 (147T)	034.8	03800
	GGG	JIPRI	030		TF		FB	1.0	083.7 (088T)	005.0	03800
	JIPRI	JIPRI	010		HF	R	FB		353.8 (358T)	004.0	03800
		JIPRI	010	FACF	IF		FB				03800
		PUCIN	020	FAF	TF		FB	0.5	353.8 (358T)	009.0	02000
		RW35	030	MAP	TF		FO	0.3	353.8 (358T)	005.3	00288

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	TUYPO	040		DF		FO	1.0			02000
	TUYPO	050		HM	R	FO	2.0	173.8 (178T)	004.0	02000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	GGG	N322503.91	W0944511.50	N3225.065	W09445.192
	EXITE	N320043.94	W0935704.20	N3200.732	W09357.070
	JIPRI	N315554.25	W0941715.76	N3155.904	W09417.263
	PUCIN	N320455.83	W0941740.34	N3204.931	W09417.672
	TUYPO	N322444.56	W0941834.60	N3224.743	W09418.577
	WENED	N315542.52	W0942308.01	N3155.709	W09423.134
	RW35	N321014.11	W0941754.83	N3210.235	W09417.914

RUNWAY DATA	THRESHOLD	ELEVATION	TCH
RW35	00248		40

CITY AND STATE
CARTHAGE, TX

ELEVATION: 248 TDZE: 248
AIRPORT NAME:
PANOLA COUNTY-SHARPE FIELD

FACILITY IDENTIFIER:
RNAV

PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 35, ORIG
NOV 20 2008

SUP:
AMDT: NONE
DATED:

QUALITY
 CHECKED

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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

(1) TAKEOFF MINIMUMS:

RWY 17, 35 STANDARD.

(2) TEXTUAL DEPARTURE PROCEDURE:

(3) TAKEOFF OBSTACLE NOTES:

(4) CONTROLLING OBSTACLES:

(5) City, State

CARTHAGE, TX

(6) Airport

PANOLA COUNTY-SHARPE FIELD

(7) Effective Date

NOV 20 2008

(8) Amdt. No.

ORIG

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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(1) TAKEOFF MINIMUMS:

RWY 13, 17, 31 STANDARD.

RWY 35, 300-1 OR STANDARD WITH MINIMUM CLIMB OF 394' PER NM TO 1,800.

(2) TEXTUAL DEPARTURE PROCEDURE:

RWY 17: CLIMB HEADING 181.04 TO 2100' BEFORE TURNING RIGHT.

(3) TAKEOFF OBSTACLE NOTES:

NOTE: RWY 13, TERRAIN BEGINNING 7' FROM DER, 100' LEFT OF CENTERLINE, UP TO 1,523' MSL. TREE 1,506' FROM DER, 254' LEFT OF CENTERLINE, 100' AGL/1,639' MSL.

NOTE: RWY 17, TREE 4,503' FROM DER, 405' LEFT OF CENTERLINE, 100' AGL/1,619' MSL. TERRAIN BEGINNING 162' FROM DER, 179' RIGHT OF CENTERLINE, UP TO 1,520' MSL.

NOTE: RWY 31, TREE 1590' FROM DER, 411' LEFT OF CENTERLINE, 100' AGL/1,629' MSL. TERRAIN BEGINNING 61' FROM DER, 51' RIGHT OF CENTERLINE, UP TO 1,513' MSL. (CONTINUED ON PAGE 2)

(4) CONTROLLING OBSTACLES:

RWY 17: 2,195 MSL TOWER 304203.60N/0991400.20W.

RWY 35: 1,699 MSL TREE 304454.27N/0991112.12W.

(5) City, State

MASON, TEXAS

(6) Airport

MASON COUNTY

(7) Effective Date

NOV 20 2008

(8) Amdt. No.

ORIG

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
DEPARTURE PROCEDURE (CONTINUATION FAA FORM 8260-15A
FLIGHT STANDARDS SERVICE

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

(3) TAKEOFF OBSTACLE NOTES: (CONTINUED)

POWERLINES BEGINNING 2,999' FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 79' AGL /1,585' MSL.

NOTE: RWY 35, TREES BEGINNING 4,019' FROM DER, 151' LEFT OF CENTERLINE, UP TO 100' AGL/1,699' MSL. TOWER 4,519' FROM DER, 361' RIGHT OF CENTERLINE, 55' AGL/1,635' MSL.

City, State MASON, TEXAS	Airport MASON COUNTY	Effective Date NOV 20 2008	Amdt. No. ORIG		
DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date

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

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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: _____	STANDARD _____	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 NOV 20 2008

CITY AND STATE PLEASANTON, TX	ELEVATION: 430 TDZE: 425 AIRPORT NAME: PLEASANTON MUNI	FACILITY IDENTIFIER: GPS	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: GPS RWY 34, ORIG, 08/15/1996	SUP
				AMDT NONE
				DATE

QUALITY
2
CHECKED

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are 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
2
CHECKED

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

**RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE
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.

TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LNAV: RW34 CLIMB TO 3000 DIRECT MUXUE AND VIA 324.94 TRACK TO SOMER AND HOLD. ADDITIONAL FLIGHT DATA: HOLD NW, RT, 140.89 INBOUND. FAS OBST: 699 AAO 285333N/0982951W SOHJU TO RW34: 3.05/35
LECIR (IAF)	CUKDA (NOPT) (FB)	067.09 / 5.00	3100	
RAREE (IAF)	CUKDA (NOPT) (FB)	247.17 / 5.00	3100	
CUKDA (IF/IAF)	SOHJU (FB)	337.13 / 5.50	2300	

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- HOLD SE CUKDA, RT, 337.13 INBOUND, 3100 FT. IN LIEU OF PT (IAF)**
- FAC: 337.11 FAF: SOHJU DIST FAF TO MAP: 5.76 THLD: 5.76
- MIN. ALT: CUKDA 3100, SOHJU 2300
- DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
- MIN GS INCPT: GS ALT AT: OM: MM: IM:
- GS ANGLE: TCH: 34:1 IS NOT CLEAR
- MSA FROM:

MAG VAR: 6E

EPOCH YEAR: 2000

MINIMUMS																
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N A	STANDARD @											
CATEGORY =====>	A			B			C			D			E			
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	
LNAV MDA	960	1	535	960	1	535		NA			NA					
CIRCLING	1020	1	590	1020	1	590		NA			NA					

NOTES:
 CHART NOTE: DME/DME RNP-0.3 NA.
 CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
 CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE LACKLAND AFB ALTIMETER SETTING AND INCREASE ALL MDA 100 FEET.

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

CITY AND STATE PLEASANTON, TX	ELEVATION: 430 TDZE: 425 AIRPORT NAME: PLEASANTON MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 34, ORIG NOV 20 2008	SUP: AMDT: NONE DATED

QUALITY
CHECKED
2

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.33

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TAA

	FROM	TO	ALT
1.	247/30 CW 067/30 (NOPT)	CUKDA (IF/AF) (FB)	3100
2.	067/30 CW 157/30	LECIR (IAF) (FB)	3100
3.	157/30 CW 247/30	RAREE (IAF) (FB)	3100

CITY AND STATE

PLEASANTON, TX

ELEVATION: 430 TDZE: 425

AIRPORT NAME:

PLEASANTON MUNI

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 34, ORIG

NOV 20 2008

SUP:

AMDT: NONE

DATED:

QUALITY
2
CHECKED

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
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.

ARINC PACKET - 424-18

	1	2	3	4	5	6	7	8	9	0	1	2	3
WP	1234567890123456789012345678901234567890123456789012345678901234567890123456789012												
	SUSAEAENRT	CUKDA K40	W	N28460799W098272192				E0050	NAR	CUKDA			
	SUSAEAENRT	LECIR K40	W	N28444059W098324852				E0050	NAR	LECIR			
	SUSAEAENRT	MUXUE K40	W	N28594881W098320507				E0050	NAR	MUXUE			
	SUSAEAENRT	RAREE K40	W	N28473517W098215517				E0050	NAR	RAREE			
	SUSAEAENRT	SOHJU K40	W	N28512442W098291092				E0050	NAR	SOHJU			
	SUSAEAENRT	SOMER K40	C	L N29094475W098382247				E0050	NAR	SOMER			
	1	2	3	4	5	6	7	8	9	0	1	2	3
AIRPORT	1234567890123456789012345678901234567890123456789012345678901234567890123456789012												
	SUSAP KPEZK4APEZ	0	040YHN28571508WJ98311195E006000430					1800018000C	MNAR	PLEASANTON MUNI			
	1	2	3	4	5	6	7	8	9	0	1	2	3
SEGMENT	1234567890123456789012345678901234567890123456789012345678901234567890123456789012												
	SUSAP KPEZK4FR34	ACUKDA	010CUKDAK4EA0EE	CR	HF			33710040	+ 03100	18000		B JS	
	SUSAP KPEZK4FR34	ALECIR	010LECIRK4EA0E	A	IF					18000		B JS	
	SUSAP KPEZK4FR34	ALECIR	020CUKDAK4EA0EE		010TF			06710050	+ 03100			B JS	
	SUSAP KPEZK4FR34	ARAREE	010RAREEK4EA0E	A	IF					18000		B JS	
	SUSAP KPEZK4FR34	ARAREE	020CUKDAK4EA0EE		010TF			24720050	+ 03100			B JS	
	SUSAP KPEZK4FR34	R	010CUKDAK4EA0E	I	IF				+ 03100	18000		B JS	
	SUSAP KPEZK4FR34	R	020SOHJUK4EA1E	F	051TF			33710055	+ 02300			B JS	
	SUSAP KPEZK4FR34	R	020SOHJUK4EA2WN			N	ALNAV					JS	
	SUSAP KPEZK4FR34	R	030RW34 K4PGOGY	M	031TF			33710058	00435	-305		B JS	
	SUSAP KPEZK4FR34	R	040MUXUEK4EA0E	M	010DF							B JS	
	SUSAP KPEZK4FR34	R	050SOMERK4EA0EY		010TF			3249	+ 03000			B JS	
	SUSAP KPEZK4FR34	R	060SOMERK4EA0EE	HR	020HM			14090040	+ 03000			B JS	
	1	2	3	4	5	6	7	8	9	0	1	2	3
RUNWAY	1234567890123456789012345678901234567890123456789012345678901234567890123456789012												
	SUSAP KPEZK4GRW34	0040003371	N28565614W098310540+0800					+0096700400000035075R					

CITY AND STATE PLEASANTON, TX	ELEVATION: 430 TDZE: 425	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 34, ORIG NOV 20 2008	SUP:
	AIRPORT NAME: PLEASANTON MUNI			AMDT: NONE
				DATED:

QUALITY
CHECKED
2

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
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.

ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	CUKDA	CUKDA	010		HF	R	FB		337.1 (343T)	004.0	03100
	LECIR	LECIR	010	IAF	IF		FB				
	LECIR	CUKDA	020		TF		FB	1.0	067.1 (073T)	005.0	03100
	RAREE	RAREE	010	IAF	IF		FB				
	RAREE	CUKDA	020		TF		FB	1.0	247.2 (253T)	005.0	03100
		CUKDA	010	FACF	IF		FB				03100
		SOHJU	020	FAF	TF		FB	0.5	337.1 (343T)	005.5	02300
		RW34	030	MAP	TF		FO	0.3	337.1 (343T)	005.8	00435

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	MUXUE	040		DF		FB	1.0			
	SOMER	050		TF		FO	1.0	324.9 (331T)		03000
	SOMER	060		HM	R	FO	2.0	140.9 (147T)	004.0	03000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CUKDA	N284607.99	W0982721.92	N2846.133	W09827.365
	LECIR	N284440.59	W0983248.52	N2844.677	W09832.809
	MUXUE	N285948.81	W0983205.07	N2859.814	W09832.085
	RAREE	N284735.17	W0982155.17	N2847.586	W09821.920
	SOHJU	N285124.42	W0982910.92	N2851.407	W09829.182
	SOMER	N290944.75	W0983822.47	N2909.746	W09838.375
	RW34	N285656.14	W0983105.40	N2856.936	W09831.090

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW34	00400	35

CITY AND STATE
 PLEASANTON, TX

ELEVATION: 430 TDZE: 425
 AIRPORT NAME:
 PLEASANTON MUNI

FACILITY IDENTIFIER:
 RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
 RNAV (GPS) RWY 34, ORIG
 NOV 20 2008

SUP:
 AMDT: NONE
 DATED:

2
 Checked

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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

(1) TAKEOFF MINIMUMS:
RWY 16, 34, STANDARD.

(2) TEXTUAL DEPARTURE PROCEDURE:

(3) TAKEOFF OBSTACLE NOTES:

NOTE: RWY 16, VEHICLE ON ROAD 108' FROM DER, 285' LEFT OF CENTERLINE, 15' AGL/424' MSL. FENCE 135' FROM DER, 194' LEFT OF CENTERLINE, 3' AGL/412' MSL. FENCE 235' FROM DER, 38' RIGHT OF CENTERLINE, 3' AGL/412' MSL. TREES BEGINNING 246' FROM DER, 56' LEFT OF CENTERLINE, UP TO 100' AGL/529' MSL. TREES BEGINNING 173' FROM DER, 154' RIGHT OF CENTERLINE, UP TO 100' AGL/529' MSL.

NOTE: RWY 34, VEHICLE ON ROAD 136' FROM DER, LEFT TO RIGHT OF CENTERLINE, UP TO 15' AGL/444' MSL. FENCE 191' FROM DER, 251' LEFT OF CENTERLINE, 3' AGL/442' MSL. TREES BEGINNING 210' FROM DER, 51' LEFT OF CENTERLINE, UP TO 100' AGL/539' MSL. TREE 172' FROM DER, 74' RIGHT OF CENTERLINE, 100' AGL/529' MSL.

(4) CONTROLLING OBSTACLES:

(5) City, State

PLEASANTON, TX

(6) Airport

PLEASANTON MUNI

(7) Effective Date

NOV 20 2008

(8) Amdt. No.

1

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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

(1) TAKEOFF MINIMUMS:

RWY 6, 12L, 12R, 17, 24, 30L, 30R, 35 STANDARD

(2) TEXTUAL DEPARTURE PROCEDURE:

(3) TAKEOFF OBSTACLE NOTES:

NOTE: RWY 12R, TREES BEGINNING 810' FROM DER, 606' RIGHT OF CENTERLINE, UP TO 40' AGL/139' MSL. TRAIN ON RAILROAD 797' FROM DER, 303' RIGHT OF CENTERLINE, 23' AGL/148' MSL. POLE 947' FROM DER, 62' RIGHT OF CENTERLINE, 32' AGL/131' MSL. HOPPER 1124' FROM DER, 417' LEFT OF CENTERLINE, 35' AGL/134' MSL.

NOTE: RWY 17, DME ON BLDG 598' FROM DER, 421' LEFT OF CENTERLINE, 19' AGL/118' MSL.

NOTE: RWY 35, BUSH 105' FROM DER, 171' RIGHT OF CENTERLINE, 12' AGL/116' MSL. BUSH 247' FROM DER, 92' RIGHT OF CENTERLINE, 12' AGL/116' MSL.

(4) CONTROLLING OBSTACLES:

(5) City, State

VICTORIA, TX

(6) Airport

VICTORIA RGNL

(7) Effective Date

NOV 20 2008

(8) Amdt. No.

ORIG

ILS - STANDARD INSTRUMENT APPROACH PROCEDURE FAR PART 97.29				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.											
TERMINAL ROUTES				MISSED APPROACH											
FROM	TO	COURSE AND DISTANCE	ALTITUDE	ILS: DA LOC: WALSA/I-PUC 1.70 DME CLIMB TO 6400, THEN CLIMBING RIGHT TURN TO 10000 VIA HEADING 200 AND PUC VOR/DME R-164 TO FOSOV/PUC VOR/DME 12.00 DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 10000. ADDITIONAL FLIGHT DATA: HOLD S, RT, 343.96 INBOUND. CHART FAS OBST: 5863 TREE 393617N/1104523W CHART PUC R-164 AT FOSOV. CHART VDP AT 2.98 DME DISTANCE VDP TO THLD 1.44 MILES CHART PLANVIEW NOTE: DME REQUIRED											
PUC VOR/DME	SAROE/I-PUC 13.62 DME	184.86 / 12.00	8700												
FOSOV/PUC 12.00 DME CW (IAF)	SAROE/I-PUC 13.62 DME (NOPT)	12.00 DME ARC (PUC LR-175)	8700												
SAROE/I-PUC 13.62 DME (IF/IAF)	JESKI/I-PUC 6.61 DME	004.35 / 7.01 (I-PUC)	7500												
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. HOLD S SAROE, RT, 004.35 INBOUND, 8700 FT. IN LIEU OF PT (IAF) 3. FAC: 004.35 FAF: JESKI/I-PUC 6.61 DME DIST FAF TO MAP: <u> </u> THLD: 5.06 4. MIN. ALT: SAROE 8700, JESKI 7500 5. DIST TO THLD FROM OM: 5.06 MM: - IM: - 150 HAT: - 100 HAT: - GS ANT: 786 6. MIN GS INCPT: 7500 GS ALT AT: JESKI/I-PUC 6.61 DME 7500 OM: - MM: - IM: - 7. GS ANGLE: 3.00 TCH: 53.8 8. MSA FROM: PUC VOR/DME 113-203 10600, 203-293 12400, 293-113 11600				MAG VAR: 14E EPOCH YEAR: 1985											
MINIMUMS															
TAKEOFF: ☐ STANDARD ☒ SEE FAA FORM 8260-15A FOR THIS AIRPORT ALTERNATE: N A ☐ X ☐															
CATEGORY =====>	A		B		C		D		E						
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
S-ILS 36	6114	1	251	6114	1	251	6114	1	251	6114	1	251			
S-LOC 36	6240	1	377	6240	1	377	6240	1	377	6240	1 1/4	377			
CIRCLING	6660	1	703	6740	1 1/4	783	6820	2 1/2	863	6980	3	1023			
NOTES: CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT. CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY. CHART NOTE: CIRCLING NA AT NIGHT TO RWY 18, 25, AND 32. CHART PROFILE NOTE: USE I-PUC DME WHEN ON THE LOCALIZER COURSE.															
CITY AND STATE		ELEVATION: 5957 TDZE: 5863		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:					
PRICE, UT		AIRPORT NAME:		I-PUC		ILS OR LOC/DME RWY 36, ORIG				AMDT: NONE					
		CARBON COUNTY RGNL/BUCK DAVIS FIELD				20 NOV 2008				DATED					



ILS - STANDARD INSTRUMENT APPROACH PROCEDURE FAR PART 97.29				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.											
TERMINAL ROUTES				MISSED APPROACH											
FROM	TO	COURSE AND DISTANCE	ALTITUDE	ILS: DA LOC: 4.39 MILES AFTER SODOE/6.07 DME/RADAR OR AT I-SZI 1.68 DME FIX CLIMB TO 2000 VIA HEADING 160 AND SEA VORTAC R-161 TO TEBNE/SEA 2.40 DME/RADAR, THEN CLIMB TO 5000 VIA SEA R-161 TO MILLT INT/SEA 11.00 DME/RADAR AND HOLD, CONTINUE CLIMB-IN-HOLD TO 5000; OR WHEN DIRECTED BY ATC, CLIMB TO 2000 VIA HEADING 163 THEN CLIMBING RIGHT TURN TO 5000 DIRECT TCM VORTAC AND HOLD, (CONTINUED ON 8260-10). ADDITIONAL FLIGHT DATA: HOLD S, RT, 340.66 INBOUND. CHART: ALTERNATE MA HOLDING, HOLD E TCM VORTAC, RT, 254.00 INBOUND. CHART FAS OBST: 529 TREE 472853N/1221901W CHART VDP AT 2.47 DME; DISTANCE VDP TO THLD 0.79 MILES. CHART IN PLANVIEW: TCM VORTAC. CHART TCM R-025 AT MILLT CHART PAE 10.90 DME AT WEMAT CHART KBFI											
PAE VOR/DME (IAF)	WEMAT/I-SZI 18.23 DME/RADAR	166.56 / 10.90	6000*												
WEMAT/18.23 DME/RADAR (IF)	ERYKA/15.34 DME/RADAR	163.34 / 2.90 (I-SZI)	5000*												
ERYKA/15.34 DME/RADAR	MGNUM/12.40 DME/RADAR	163.34 / 2.94 (I-SZI)	4000*												
MGNUM/12.40 DME/RADAR	ANVIL/10.01 DME/RADAR	163.34 / 2.39 (I-SZI)	3200*												
ANVIL/10.01 DME/RADAR	SODOE/6.07 DME/RADAR	163.34 / 3.94 (I-SZI)	1900												
1. PT <u>NA</u> SIDE OF COURSE <u>OUTBOUND</u> <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. <u>PROFILE STARTS AT WEMAT/18.23 DME/RADAR</u> 3. FAC: <u>163.34</u> FAF: <u>SODOE/6.07 DME/RADAR</u> DIST FAF TO MAP: <u>4.39</u> THLD: <u>4.39</u> 4. MIN. ALT: <u>WEMAT 6000*</u> , <u>ERYKA 5000*</u> , <u>MGNUM 4000*</u> , <u>ANVIL 3200*</u> , <u>SODOE 1900</u> 5. DIST TO THLD FROM OM: <u> </u> MM: <u> </u> IM: <u>904</u> 150 HAT: <u> </u> 100 HAT: <u>836</u> GS ANT: <u>1120</u> 6. MIN GS INCPT: <u>1900</u> GS ALT AT: <u>SODOE/6.07 DME/RADAR 1900</u> OM: <u> </u> MM: <u> </u> IM: <u>534</u> 7. GS ANGLE: <u>3.00</u> TCH: <u>56.6</u> 8. MSA FROM: <u>SEA VORTAC 360-160 6400, 160-250 2200, 250-360 3400</u>				MAG VAR: 17E EPOCH YEAR: 2010											
MINIMUMS															
TAKEOFF: ☐ STANDARD ☒ X 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 16C	630	1800	200	630	1800	200	630	1800	200	630	1800	200			
S-LOC 16C	760	2400	330	760	2400	330	760	2400	330	760	4000	330			
SIDESTEP 16L	760	5000	327	760	5000	327	760	1 1/2	327	760	2	327			
CIRCLING 16C	1000	1	567	1000	1	567	1000	1 1/2	567	1000	2	567			
NOTES: CATEGORY II ILS SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED. S-ILS 16C: DA 530 MSL, 126 RA, RVR 1200, HAT 100; CAT A, B, C, D. CATEGORY III ILS SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED. S-ILS 16C: CAT IIIA RVR 700; CAT A, B, C, D. CAT IIIB RVR 300; CAT A, B, C, D. CAT IIIC NA. SEE 8260-10															
CITY AND STATE		ELEVATION: 433		TDZE: 16C 430		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:			
SEATTLE, WA		AIRPORT NAME:		TDZE: 16L 433		I-SZI		ILS OR LOC RWY 16C, AMDT 13 ILS RWY 16C (CAT II), ILS RWY 16C (CAT III)				AMDT: 12F			
		SEATTLE-TACOMA INTL						20 NOV 2008				DATED 09/28/2006			

ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.29

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NOTES CONT.

CHART NOTE: FOR INOPERATIVE ALSF-2, INCREASE S-LOC 16C CAT D VISIBILITY TO RVR 5000.

CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO SIDESTEP 16L.

CHART NOTE: DME OR RADAR REQUIRED.

CHART PLANVIEW NOTE: DME OR RADAR REQUIRED.

CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT.

CHART PLANVIEW NOTE (FOR CAT III ONLY): CATEGORY III SPECIAL AUTOLAND EVALUATION REQUIRED

CHART PROFILE NOTE: *WHEN ASSIGNED BY ATC, INTERCEPT GLIDEPATH AT 3200 OR 4000 OR 5000 OR 6000.

CHART NOTE: SEE ADDITIONAL REQUIREMENTS ON ADJACENT INFORMATION PAGE

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT PAE VOR/DME VIA V23 NORTHBOUND.

(MISSED APPROACH CONTINUED) CONTINUE CLIMB-IN-HOLD TO 5000, HOLD E, RT, 254.00 INBOUND.

CITY AND STATE

SEATTLE, WA

ELEVATION: 433

AIRPORT NAME:

SEATTLE-TACOMA INTL

TDZE: 16C 430

TDZE: 16L 433

FACILITY
IDENTIFIER:

I-SZI

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

ILS OR LOC RWY 16C, AMDT 13
ILS RWY 16C (CAT II), ILS RWY 16C (CAT III)

20 NOV 2008

SUP:

AMDT: 12F

DATED: 09/28/2006

QUALITY
4
CHECKED

ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.29

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PUBLISH BRIEFING PAGE SHOWING GRAPHIC OF THE RELATIONSHIP OF RUNWAY 16C AND TAXIWAY T FOR ALL

RUNWAY 16C APPROACHES, AND INCLUDE THE FOLLOWING ALERT:

SEATTLE-TACOMA INTERNATIONAL AIRPORT

ALERT NOTICE

ATTENTION ALL AIRCRAFT LANDING TO THE SOUTH:

WHEN TRANSITIONING FROM AN INSTRUMENT PROCEDURE TO A VISUAL APPROACH TO RUNWAY 16C, VERIFY YOU ARE ALIGNED FOR THE INTENDED LANDING RUNWAY, NOT TAXIWAY TANGO. TAXIWAY TANGO IS WEST AND PARALLEL TO RUNWAY 16C.

TRANSITION TO VISUAL:

TAXIWAY TANGO HAS BEEN MISTAKEN FOR RUNWAY 16C FROM THE AIR DURING CERTAIN VISIBILITY CONDITIONS, I.E. WET RUNWAY, LOW SUN ANGLE REFLECTIONS. AIRCREWS ARE ADVISED TO BE AWARE OF THE PROXIMITY OF THE TAXIWAY TO RUNWAY 16C AND ITS RUNWAY-LIKE APPEARANCE WHILE ON APPROACH.

RECOMMENDATION:

AIRCROWS SHOULD USE VISUAL CUES, E.G., APPROACH LIGHTING SYSTEMS, REILS, WHEN AVAILABLE, TO CONFIRM ALIGNMENT WITH RUNWAY 16C NOT TAXIWAY TANGO. ADDITIONALLY, IT IS RECOMMENDED WHEN EXECUTING A SEGMENT OF THE ILS APPROACH FOR A VISUAL TRANSITION, TRACK THE LOCALIZER UNTIL THE RUNWAY ENVIRONMENT IS VISUALLY VERIFIED.

INSERT SEGMENTED AIRPORT DIAGRAM DEPICTING RUNWAY 16C AND TAXIWAY T

CITY AND STATE

SEATTLE, WA

ELEVATION: 433

AIRPORT NAME:

SEATTLE-TACOMA INTL

TDZE: 16C 430

TDZE: 16L 433

FACILITY
IDENTIFIER:

I-SZI

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

ILS OR LOC RWY 16C, AMDT 13
ILS RWY 16C (CAT II), ILS RWY 16C (CAT III)

20 NOV 2008

SUP:

AMDT: 12F

DATED: 09/28/2008

CHECKED

ILS - STANDARD INSTRUMENT APPROACH PROCEDURE FAR PART 97.29				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.															
TERMINAL ROUTES								MISSED APPROACH											
FROM		TO		COURSE AND DISTANCE		ALTITUDE		ILS: DA LOC: 4.39 MILES AFTER DGLAS/6.16 DME/RADAR OR AT I-SNQ 1.77 DME FIX CLIMB TO 2000 VIA HEADING 165 AND SEA VORTAC R-161 TO TEBNE/SEA 2.40 DME/RADAR, THEN CLIMB TO 5000 VIA SEA R-161 TO MILLT INT/SEA 11.00 DME/RADAR AND HOLD, CONTINUE CLIMB-IN-HOLD TO 5000; OR WHEN DIRECTED BY ATC, CLIMB TO 2000 VIA HEADING 163 THEN CLIMBING RIGHT TURN TO 5000 DIRECT TCM VORTAC AND HOLD, (CONTINUED ON 8260-10). ADDITIONAL FLIGHT DATA: HOLD S, RT, 340.66 INBOUND. CHART: ALTERNATE MA HOLDING, HOLD E TCM VORTAC, RT, 254.00 INBOUND. CHART FAS OBST: 514 TREE 472836N/1221818W CHART VDP AT 2.93 DME; DISTANCE VDP TO THLD 1.16 MILES. CHART IN PLANVIEW: TCM VORTAC. CHART: 696 ATC TOWER 472721N/1221805W CHART TCM R-025 AT MILLT CHART KBFI CHART PAE 10.88 DME AT COROK											
PAE VOR/DME (IAF)		COROK-I-SNQ 18.32 DME/RADAR		165.87 / 10.88		6000*													
COROK/18.32 DME/RADAR (IF)		KENMO/15.42 DME/RADAR		163.34 / 2.90 (I-SNQ)		5000*													
KENMO/15.42 DME/RADAR		HELZR/12.48 DME/RADAR		163.34 / 2.94 (I-SNQ)		4000*													
HELZR/12.48 DME/RADAR		KARFO/10.10 DME/RADAR		163.34 / 2.39 (I-SNQ)		3200*													
KARFO/10.10 DME/RADAR		DGLAS/6.16 DME/RADAR		163.34 / 3.94 (I-SNQ)		1900													
1. PT <u>NA</u> SIDE OF COURSE <u>OUTBOUND</u> <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. PROFILE STARTS AT COROK/18.32 DME/RADAR 3. FAC: <u>163.34</u> FAF: <u>DGLAS/6.16 DME/RADAR</u> DIST FAF TO MAP: <u>4.39</u> THLD: <u>4.39</u> 4. MIN. ALT: COROK 6000*, KENMO 5000*, HELZR 4000*, KARFO 3200*, DGLAS 1900 5. DIST TO THLD FROM OM: <u> </u> MM: <u> </u> IM: <u>810</u> 150 HAT: <u> </u> 100 HAT: <u>895</u> GS ANT: <u>1089</u> 6. MIN GS INCPT: <u>1900</u> GS ALT AT: <u>DGLAS/6.16 DME/RADAR 1900</u> OM: <u> </u> MM: <u> </u> IM: <u>529</u> 7. GS ANGLE: <u>3.00</u> TCH: <u>53.6</u> 8. MSA FROM: SEA VORTAC 360-160 6400, 160-250 2200, 250-360 3400								MAG VAR: 17E EPOCH YEAR: 2010											
MINIMUMS																			
TAKEOFF:		STANDARD		X		SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE: NA		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 16L	695	1800	262	633	1800	200	633	1800	200	633	1800	200							
S-LOC 16L	880	2400	447	880	2400	447	880	4000	447	880	5000	447							
CIRCLING	1000	1	567	1000	1	567	1000	1 1/2	567	1000	2	567							
NOTES: CATEGORY II ILS SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED. S-ILS 16L: DA 533 MSL, 125 RA, RVR 1200, HAT 100; CATS B, C, D. CAT A NA. CATEGORY III ILS SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED. S-ILS 16L: CAT IIIA RVR 700; CATS B, C, D. CAT A NA. CAT IIIB RVR 300; CATS B, C, D. CAT A NA. CAT IIIC NA. SEE 8260-10																			
CITY AND STATE				ELEVATION: 433 TDZE: 433				FACILITY IDENTIFIER:				PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:			
SEATTLE, WA				AIRPORT NAME: SEATTLE-TACOMA INTL				I-SNQ				ILS OR LOC RWY 16L, AMDT 4 ILS RWY 16L (CAT II), ILS RWY 16L (CAT III) 20 NOV 2008				AMDT: 3B			
																DATED 08/30/2007			

ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.29

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

NOTES CONT.

CHART NOTE: DME OR RADAR REQUIRED.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT PAE VOR/DME VIA V23 NORTHBOUND.

CHART PLANVIEW NOTE: DME OR RADAR REQUIRED.

CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT.

CHART PLANVIEW NOTE (FOR CAT III ONLY): CATEGORY III SPECIAL AUTOLAND EVALUATION REQUIRED

CHART PROFILE NOTE: *WHEN ASSIGNED BY ATC, INTERCEPT GLIDEPATH AT 3200 OR 4000 OR 5000 OR 6000.

CHART NOTE: FOR INOPERATIVE ALSF-2, INCREASE S-ILS 16L CAT A VISIBILITY TO RVR 5000.

(MISSED APPROACH CONTINUED) CONTINUE CLIMB-IN-HOLD TO 5000, HOLD E, RT, 254.00 INBOUND.

CITY AND STATE

SEATTLE, WA

ELEVATION: 433 TDZE: 433

AIRPORT NAME:

SEATTLE-TACOMA INTL

FACILITY
IDENTIFIER:

I-SNQ

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

ILS OR LOC RWY 16L, AMDT 4
ILS RWY 16L (CAT II), ILS RWY 16L (CAT III)
20 NOV 2008

SUP:

AMDT: 3B

DATED: 08/30/2007

QUALITY
CHECKED

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE
FAR PART 97.29

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

TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
PAE VOR/DME (IAF)	WATEL/I-CJL 18.17 DME/RADAR	168.05 / 10.89	6000*	ILS: DA LOC: 4.44 MILES AFTER FINKA/6.01 DME/RADAR OR AT I-CJL 1.57 DME FIX CLIMB TO 2000 VIA HEADING 158 AND SEA VORTAC R-161 TO TEBNE/SEA 2.40 DME/RADAR, THEN CLIMB TO 5000 VIA SEA VORTAC R-161 TO MILLT INT/SEA 11.00 DME/RADAR AND HOLD, CONTINUE CLIMB-IN-HOLD TO 5000; OR WHEN DIRECTED BY ATC, CLIMB TO 2000 VIA HEADING 163 THEN CLIMBING RIGHT TURN TO 5000 DIRECT TCM VORTAC AND HOLD, "CONTINUED ON PAGE 2" ADDITIONAL FLIGHT DATA: HOLD S, RT, 340.66 INBOUND. CHART: ALTERNATE MA HOLDING, HOLD E TCM VORTAC, RT, 254.00 INBOUND. CHART: TCM R-025 AT MILLT CHART FAS OBST: 541 TREE 472905N/1221911W CHART VDP AT 2.56 DME; DISTANCE VDP TO THLD 0.99 MILES. CHART IN PLANVIEW: TCM VORTAC. CHART: PAE 10.89 DME AT WATEL CHART: KBF1
WATEL/18.17 DME/RADAR (IF)	AGANE/15.27 DME/RADAR	163.33 / 2.90 (I-CJL)	5000*	
AGANE/15.27 DME/RADAR	CELAKE/12.33 DME/RADAR	163.33 / 2.94 (I-CJL)	4000*	
CELAKE/12.33 DME/RADAR	BUGNE/9.95 DME/RADAR	163.33 / 2.38 (I-CJL)	3200*	
BUGNE/9.95 DME/RADAR	FINKA/6.01 DME/RADAR	163.33 / 3.94 (I-CJL)	1900	

1. PT NA SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
2. PROFILE STARTS AT WATEL
3. FAC: 163.33 FAF: FINKA/6.01 DME/RADAR DIST FAF TO MAP: 4.44 THLD: 4.44
4. MIN. ALT: WATEL 6000*, AGANE 5000*, CELAKE 4000*, BUGNE 3200*, FINKA 1900
5. DIST TO THLD FROM OM: MM: IM: 852 150 HAT: 100 HAT: 861 GS ANT: 1148
6. MIN GS INCPT: 1900 GS ALT AT: FINKA/6.01 DME/RADAR 1900 OM: MM: IM: 515
7. GS ANGLE: 3.00 TCH: 54.9
8. MSA FROM: SEA VORTAC 360-160 6400, 160-250 2200, 250-360 3400

MAG VAR: 17E EPOCH YEAR: 2010

MINIMUMS

TAKEOFF:		STANDARD	X	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 16R	615	1800	200	615	1800	200	615	1800	200	615	1800	200				
S-LOC 16R	800	2400	385	800	2400	385	800	2400	385	800	4000	385				
CIRCLING	1000	1	567	1000	1	567	1000	1 1/2	567	1000	2	567				

NOTES:
 CATEGORY II ILS SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED. S-ILS 16R: DA 515 MSL, 139 RA, RVR 1200, HAT 100; CATS A, B, C, D.
 CATEGORY III ILS SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED. S-ILS 16R: CAT IIIA RVR 700; CATS A, B, C, D. CAT IIIB RVR 300; CATS A, B, C, D. CAT IIIC NA.
 SEE 8260-10

CITY AND STATE	ELEVATION: 433 TDZE: 415	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
SEATTLE, WA	AIRPORT NAME:	I-CJL	ILS OR LOC RWY 16R, ORIG ILS RWY 16R (CAT II), ILS RWY 16R (CAT III) 20 NOV 2008	AMDT: NONE
	SEATTLE-TACOMA INTL			DATED

ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.29

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

NOTES CONT.

CHART NOTE: DME OR RADAR REQUIRED.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT PAE VOR/DME VIA V23 NORTHBOUND.

CHART PLANVIEW NOTE: DME OR RADAR REQUIRED.

CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT.

CHART PLANVIEW NOTE (FOR CAT III ONLY): CATEGORY III SPECIAL AUTOLAND EVALUATION REQUIRED

CHART PROFILE NOTE: *WHEN ASSIGNED BY ATC, INTERCEPT GLIDEPATH AT 3200, OR 4000, OR 5000, OR 6000.

MISSED APPROACH CONTINUED: CONTINUE CLIMB-IN-HOLD TO 5000, HOLD E, RT, 254.00 INBOUND.

CITY AND STATE

SEATTLE, WA

ELEVATION: 433 TDZE: 415

AIRPORT NAME:

SEATTLE-TACOMA INTL

FACILITY
IDENTIFIER:

I-CJL

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

ILS OR LOC RWY 16R, ORIG
ILS RWY 16R (CAT II), ILS RWY 16R (CAT III)
20 NOV 2008

SUP:

AMDT: NONE

DATED:

QUALITY
CHECKED

ILS - STANDARD INSTRUMENT APPROACH PROCEDURE FAR PART 97.29				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.												
TERMINAL ROUTES										MISSED APPROACH						
FROM		TO		COURSE AND DISTANCE			ALTITUDE		ILS: DA LOC: 5.62 MILES AFTER TIFYS/5.99 DME/RADAR OR AT I-TUC 0.37 DME FIX CLIMB VIA HEADING 345 AND SEA VORTAC R-341 TO COYLA/SEA 4.69 DME/RADAR, THEN CLIMB TO 5000 VIA SEA VORTAC R-341 TO MGNUM/SEA 12.42 DME/RADAR AND HOLD, CONTINUE CLIMB-IN-HOLD TO 5000; OR WHEN DIRECTED BY ATC, CLIMB TO 2000 THEN CLIMBING RIGHT TURN TO 5000 DIRECT PAE VOR/DME AND HOLD NW, RT, 149.04 INBOUND. ADDITIONAL FLIGHT DATA: HOLD N, RT, 161.04 INBOUND. CHART: ALTERNATE MA HOLDING, HOLD NW PAE VOR/DME, RT, 149.04 INBOUND. CHART FAS OBST: 507 TREE 472529N/1221857W CHART 639 TREE 472049N/1221814W. CHART IN PLANVIEW: PAE VOR/DME. CHART (DIYVE) AT INTERSECTION OF DR LEG AND INTERMEDIATE COURSE							
CIDUG INT/SEA 25.84 DME (IAF)		LORIE/I-TUC 13.72 DME/RADAR		026.00 / 3.96 (HDG) & 343.34 / 9.17 (I-TUC)			5000##									
LORIE/I-TUC 13.72 DME/RADAR (IF)		ODBOE/I-TUC 10.78 DME/RADAR		343.34 / 2.94 (I-TUC)			4000##									
ODBOE/I-TUC 10.78 DME/RADAR		TIFYS/I-TUC 5.99 DME/RADAR		343.34 / 4.80 (I-TUC)			2400									
1. PT <u>NA</u> SIDE OF COURSE <u>OUTBOUND</u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. PROFILE STARTS AT LORIE/I-TUC 13.72 DME/RADAR 3. FAC: <u>343.34</u> FAF: TIFYS/I-TUC 5.99 DME/RADAR DIST FAF TO MAP: <u>5.62</u> THLD: <u>6.12</u> 4. MIN. ALT: LORIE 5000##, ODBOE 4000##, TIFYS 2400, RYBKA/I-TUC 1.37 DME/RADAR 900* 5. DIST TO THLD FROM OM: <u> </u> MM: <u> </u> IM: <u> </u> 150 HAT: <u> </u> 100 HAT: <u>1303</u> GS ANT: <u>900</u> 6. MIN GS INCP: <u>2400</u> GS ALT AT: TIFYS/I-TUC 5.99 DME/RADAR 2400 OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u>3.00</u> TCH: <u>55.7</u> 8. MSA FROM: SEA VORTAC 360-160 6400, 160-250 2200, 250-360 3400										MAG VAR: 17E		EPOCH YEAR: 2010				
MINIMUMS																
TAKEOFF: ☐ STANDARD ☒ X		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 34C	& 587	2400	200	& 587	2400	200	& 587	2400	200	& 587	2400	200				
S-LOC 34C	760	2400	373	760	2400	373	760	2400	373	760	4000	373				
SIDESTEP 34R	760	5000	388	760	5000	388	760	6000	388	760	1 3/4	388				
CIRCLING	1000	1	567	1000	1	567	1000	1 1/2	567	1000	2	567				
NOTES: CATEGORY II ILS SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED. S-ILS 34C: DA 487 MSL, 133 RA, RVR 1200, HAT 100; CATS A, B, C, D. CHART NOTE: FOR INOPERATIVE MALSR, INCREASE SIDESTEP 34R CATS A AND B VISIBILITY TO RVR 6000. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT CIDUG VIA V495 SOUTHBOUND. SEE 8260-10																
CITY AND STATE		ELEVATION: 433		TDZE: 34C 387		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP: ILS OR LOC/DME				
SEATTLE, WA		AIRPORT NAME:		TDZE: 34R 372		I-TUC		ILS OR LOC RWY 34C, AMDT 2 ILS RWY 34C (CAT II) 20 NOV 2008				RWY 34C				
												AMDT: 1A				
												DATED 04/10/2008				

 QUALITY
CHECKED

ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.29

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

NOTES CONT.

CHART PLANVIEW NOTE: DME OR RADAR REQUIRED.

CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT.

*LOC ONLY

CHART NOTE: &RVR 1800 AUTHORIZED WITH THE USE OF FD OR AP OR HUD TO DA.

CHART CAT II NOTE: PROCEDURE DOES NOT MEET ICAO STANDARD FOR ALSF/TDZ/CL LIGHTING SYSTEMS.

AUTHORIZATION TO CONDUCT THIS APPROACH REQUIRES SPECIFIC OPSSPEC APPROVAL OR LOA FOR THIS RUNWAY.

CHART PROFILE NOTE: ##WHEN ASSIGNED BY ATC, INTERCEPT GLIDEPATH AT 4000 OR 5000.

CHART NOTE: DME OR RADAR REQUIRED.

CITY AND STATE

SEATTLE, WA

ELEVATION: 433

AIRPORT NAME:

SEATTLE-TACOMA INTL

TDZE: 34C 387

TDZE: 34R 372

FACILITY
IDENTIFIER:

I-TUC

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

ILS OR LOC RWY 34C, AMDT 2
ILS RWY 34C (CAT II)

20 NOV 2008

SUP: ILS OR LOC/DME
RWY 34C

AMDT: 1A

DATED: 04/10/2008

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE
FAR PART 97.29

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

TERMINAL ROUTES				MISSED APPROACH	
FROM	TO	COURSE AND DISTANCE	ALTITUDE		
CIDUG INT/SEA 25.84 DME (IAF)	HIPRO/13.70 DME/RADAR	028.00 / 3.57 (HDG) & 343.33 / 9.58 (I-BEJ)	5000**	ILS: DA LOC: 6.14 MILES AFTER JALON/5.97 DME/RADAR OR AT I-BEJ 0.18 DME FIX	
HIPRO/13.70 DME/RADAR (IF)	JOSTA/10.77 DME/RADAR	343.33 / 2.94 (I-BEJ)	4000**	CLIMB TO 2000 VIA HEADING 348 AND SEA VORTAC R-341 TO COYLA/SEA 4.69 DME/RADAR, THEN CLIMB TO 5000 VIA SEA VORTAC R-341 TO MGNUM/SEA 12.42 DME/RADAR AND HOLD, CONTINUE CLIMB-IN-HOLD TO 5000; OR WHEN DIRECTED BY ATC, CLIMB TO 2000 VIA HEADING 343 THEN CLIMBING RIGHT TURN TO 5000 DIRECT PAE VOR/DME AND HOLD NW, RT, 149.04 INBOUND.	
JOSTA/10.77 DME/RADAR	JALON/5.97 DME/RADAR	343.33 / 4.80 (I-BEJ)	2400		
				ADDITIONAL FLIGHT DATA: HOLD N, RT, 161.04 INBOUND. CHART: ALTERNATE MA HOLDING, HOLD NW PAE VOR/DME, RT, 149.04 INBOUND. CHART FAS OBST: 507 TREE 472529N/1221857W CHART VDP AT 0.86 DME; DISTANCE VDP TO THLD 1.03 MILES. CHART IN PLANVIEW: PAE VOR/DME. CHART (UCIYU) AT INTERSECTION OF DR LEG AND INTERMEDIATE COURSE	
1. PT <u>NA</u> SIDE OF COURSE <u>OUTBOUND</u> <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. PROFILE STARTS AT HIPRO 3. FAC: <u>343.33</u> FAF: <u>JALON/5.97 DME/RADAR</u> DIST FAF TO MAP: <u>6.14</u> THLD: <u>6.14</u> 4. MIN. ALT: <u>HIPRO 5000**, JOSTA 4000**, JALON 2400, HOVOS/1.43 DME/RADAR 920*</u> 5. DIST TO THLD FROM OM: <u> </u> MM: <u> </u> IM: <u> </u> 150 HAT: <u> </u> 100 HAT: <u>1294</u> GS ANT: <u>915</u> 6. MIN GS INCPT: <u>2400</u> GS ALT AT: <u>JALON/5.97 DME/RADAR 2400</u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u>3.00</u> TCH: <u>54.9</u> 8. MSA FROM: <u>SEA VORTAC 360-160 6400, 160-250 2200, 250-360 3400</u>				MAG VAR: 17E EPOCH YEAR: 2010	

MINIMUMS																
TAKEOFF:	STANDARD	X	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 34L	# 579	2400	200	# 579	2400	200	# 579	2400	200	# 579	2400	200				
S-LOC 34L	760	2400	381	760	2400	381	760	2400	381	760	4000	381				
CIRCLING	1000	1	567	1000	1	567	1000	1 1/2	567	1000	2	567				

NOTES:
 CATEGORY II ILS SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED. S-ILS 34L: DA 479 MSL, 150 RA, RVR 1200, HAT 100; CATS A, B, C, D.
 CHART NOTE: DME OR RADAR REQUIRED.
 CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT CIDUG VIA V495 SOUTHBOUND.
 SEE 8260-10

CITY AND STATE SEATTLE, WA	ELEVATION: 433 TDZE: 379 AIRPORT NAME: SEATTLE-TACOMA INTL	FACILITY IDENTIFIER: I-BEJ	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 34L, ORIG ILS RWY 34L (CAT II) 20 NOV 2008	SUP: AMDT: NONE DATED

ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.29

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

NOTES CONT.

CHART PLANVIEW NOTE: DME OR RADAR REQUIRED.

CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT.

*LOC ONLY

CHART NOTE: # RVR 1800 AUTHORIZED WITH USE OF FD OR AP OR HUD TO DA.

CHART NOTE (FOR CAT II ONLY): PROCEDURE DOES NOT MEET ICAO STANDARD FOR ALSF/TDZ/CL LIGHTING

SYSTEMS. AUTHORIZATION TO CONDUCT THIS APPROACH REQUIRES SPECIFIC OPSSEC APPROVAL OR LOA FOR THIS RUNWAY.

CHART PROFILE NOTE: **WHEN ASSIGNED BY ATC, INTERCEPT GLIDEPATH AT 5000 OR 4000.

CITY AND STATE

SEATTLE, WA

ELEVATION: 433 TDZE: 379

AIRPORT NAME:

SEATTLE-TACOMA INTL

FACILITY
IDENTIFIER:

I-BEJ

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

ILS OR LOC RWY 34L, ORIG
ILS RWY 34L (CAT II)

20 NOV 2008

SUP:

AMDT: NONE

DATED:

QUALITY
CHECKED

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION		ILS - STANDARD INSTRUMENT APPROACH PROCEDURE FAR PART 97.29		Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.	
TERMINAL ROUTES				MISSED APPROACH	
FROM	TO	COURSE AND DISTANCE	ALTITUDE	ILS: DA LOC: 5.66 MILES AFTER BUCKK/SEA 6.22 DME/RADAR OR AT I-SEA 0.57 DME FIX CLIMB VIA HEADING 341 AND SEA VORTAC R-341 TO COYLA/SEA 4.69 DME/RADAR, THEN CLIMB TO 5000 VIA SEA VORTAC R-341 TO MGNUM/SEA 12.42 DME/RADAR AND HOLD, CONTINUE CLIMB-IN-HOLD TO 5000; OR WHEN DIRECTED BY ATC, CLIMB TO 2000 THEN CLIMBING RIGHT TURN TO 5000 DIRECT PAE VOR/DME AND HOLD NW, RT, 149.04 INBOUND. ADDITIONAL FLIGHT DATA: HOLD N, RT, 161.04 INBOUND. CHART: ALTERNATE MA HOLDING, HOLD NW PAE VOR/DME, RT, 149.04 INBOUND. CHART FAS OBST: 476 TREE 472524N/1221845W CHART VDP AT 1.19 DME; DISTANCE VDP TO THLD 0.99 MILES. CHART IN PLANVIEW: PAE VOR/DME. CHART (ZUXOV) AT INTERSECTION OF DR LEG AND INTERMEDIATE COURSE.	
CIDUG INT/SEA 25.84 DME (IAF)	NEEAL/I-SEA 15.24 DME/RADAR	025.95 / 4.15 (HDG) & 343.34 / 7.43 (I-SEA)	5000##		
NEEAL/I-SEA 15.24 DME/RADAR (IF)	KLEWS/I-SEA 12.07 DME/RADAR	343.34 / 3.17 (I-SEA)	4000##		
KLEWS/I-SEA 12.07 DME/RADAR	BUCKK/I-SEA 6.22 DME/RADAR	343.34 / 5.85 (I-SEA)	2200		
1. PT <u>NA</u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. PROFILE STARTS AT NEEAL/I-SEA 15.24 DME/RADAR 3. FAC: <u>343.34</u> FAF: <u>BUCKK/I-SEA 6.22 DME/RADAR</u> DIST FAF TO MAP: <u>5.66</u> THLD: <u>6.03</u> 4. MIN. ALT: <u>NEEAL 5000##, KLEWS 4000##, BUCKK 2200, CNNT/I-SEA 1.99 DME/RADAR 900*</u> 5. DIST TO THLD FROM OM: <u> </u> MM: <u> </u> IM: <u> </u> 150 HAT: <u> </u> 100 HAT: <u>1364</u> GS ANT: <u>1135</u> 6. MIN GS INCPT: <u>2200</u> GS ALT AT: <u>BUCKK/I-SEA 6.22 DME/RADAR 2200</u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u>2.75</u> TCH: <u>59.7</u> 8. MSA FROM: <u>SEA VORTAC 360-160 6400, 160-250 2200, 250-360 3400</u>				MAG VAR: 17E EPOCH YEAR: 2010	
MINIMUMS					
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: NA	ILS: STANDARD
CATEGORY =====>	A		B		C
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS
S-ILS 34R	572	1800	200	572	1800
S-LOC 34R	720	2400	348	720	2400
SIDESTEP 34C	760	5000	373	760	5000
CIRCLING	1000	1	567	1000	1 1/2
NOTES: CATEGORY II ILS SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED. S-ILS 34R: DA 472 MSL, 200 RA, RVR 1200, HAT 100; CAT A, B, C, D. CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO SIDESTEP 34C CATS A AND B. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT CIDUG VIA V495 SOUTHBOUND. SEE 8260-10					
CITY AND STATE SEATTLE, WA		ELEVATION: 433 TDZE: 34R 372 AIRPORT NAME: TDZE: 34C 387 SEATTLE-TACOMA INTL		FACILITY IDENTIFIER: I-SEA PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 34R, AMDT 1 ILS RWY 34R (CAT II) 20 NOV 2008	
				SUP: ILS OR LOC/DME RWY 34R AMDT: ORIG-E DATED 08/30/2007	

ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.29

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

NOTES CONT.

CHART PLANVIEW NOTE: DME OR RADAR REQUIRED.

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

CHART PROFILE NOTE: VGSi AND ILS GLIDEPATH NOT COINCIDENT.

*LOC ONLY

CHART NOTE (FOR CAT II ONLY): PROCEDURE DOES NOT MEET ICAO STANDARD FOR ALSF/TDZ/CL LIGHTING SYSTEMS. AUTHORIZATION TO CONDUCT THIS APPROACH REQUIRES SPECIFIC OPSSPEC APPROVAL OR LOA FOR THIS RUNWAY.

CHART PROFILE NOTE: ##WHEN ASSIGNED BY ATC, INTERCEPT GLIDEPATH AT 4000 OR 5000.

CHART NOTE: DME OR RADAR REQUIRED.

CITY AND STATE

SEATTLE, WA

ELEVATION: 433

AIRPORT NAME:

SEATTLE-TACOMA INTL

TDZE: 34R 372

TDZE: 34C 387

FACILITY
IDENTIFIER:

I-SEA

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

ILS OR LOC RWY 34R, AMDT 1
ILS RWY 34R (CAT II)

20 NOV 2008

SUP: ILS OR LOC/DME
RWY 34R

AMDT: ORIG-E

DATED: 08/30/2007

CHECKED

RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE 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.			
TERMINAL ROUTES				MISSED APPROACH			
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LPV: DA LNAV/VNAV: DA LNAV: RW16C CLIMB TO 2000 DIRECT OTLIE, DO NOT EXCEED 2000 UNTIL PASSING OTLIE, THEN CLIMB TO 5000 VIA 162.05 TRACK TO MILLT AND HOLD, CONTINUE CLIMB-IN-HOLD TO 5000. ADDITIONAL FLIGHT DATA: HOLD S, RT, 342.66 INBOUND. CHART FAS OBST: 522 TREE 472831N/1221916W CHART FAS OBST: 642 TOWER 473013N/1222012W DISTANCE TO THLD FROM 200 HAT: 0.45 NM. CHART VDP AT 1.29 MILES TO RW16C* *LNAV ONLY. WAAS CHANNEL # 61010 REFERENCE PATH ID: W16B CHART KBF1			
PAE VOR/DME (IAF)	WEMAT (FB)	169.56 / 10.90	6000				
WEMAT (IF)	ERYKA (FB)	163.34 / 2.90	5000				
ERYKA	MGNUM (FB)	163.34 / 2.94	4000				
MGNUM	ANVIL (FB)	163.34 / 2.39	3200				
ANVIL	SODOE (FB)	163.34 / 3.94	1900				
1. PT NA SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF) 2. PROFILE STARTS AT WEMAT 3. FAC: 163.34 FAF: SODOE DIST FAF TO MAP: 4.39 THLD: 4.39 4. MIN. ALT: WEMAT 6000, ERYKA 5000, MGNUM 4000, ANVIL 3200, SODOE 1900 5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT: 6. MIN GS INCPT: 1900 GS ALT AT: SODOE OM: MM: IM: 7. GS ANGLE: 3.00 TCH: 56.6 34:1 IS CLEAR 8. MSA FROM: RW16C 6400				MAG VAR: 17E EPOCH YEAR: 2010			
MINIMUMS							
TAKEOFF:		STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT		ALTERNATE: N A	
CATEGORY ==>		A			B		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	
LPV DA	630	2400	200	630	2400	200	
LNAV/VNAV DA	811	4000	381	811	4000	381	
LNAV MDA	920	2400	490	920	2400	490	
CIRCLING		1000	1	567	1000	1	567
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 47C (116F). CHART NOTE: DME/DME RNP-0.3 NA. CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT PAE VOR/DME VIA V23 NORTHBOUND SEE 8260-10							
CITY AND STATE		ELEVATION: 433 TDZE: 430		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	
SEATTLE, WA		AIRPORT NAME:		RNAV		RNAV (GPS) RWY 16C, AMDT 1	
		SEATTLE-TACOMA INTL				20 NOV 2008	
						SUP:	
						AMDT: ORIG-E	
						DATED 03/15/2007	

RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.33

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NOTES CONT.

CHART NOTE: SEE ADDITIONAL REQUIREMENTS ON ADJACENT INFORMATION PAGE

CITY AND STATE

SEATTLE, WA

ELEVATION: 433 TDZE: 430

AIRPORT NAME:

SEATTLE-TACOMA INTL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 16C, AMDT 1

20 NOV 2008

SUP:

AMDT: ORIG-E

DATED: 03/15/2007

CHECKED

**RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.33**

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PUBLISH BRIEFING PAGE SHOWING GRAPHIC OF THE RELATIONSHIP OF RUNWAY 16C AND TAXIWAY T FOR ALL

RUNWAY 16C APPROACHES, AND INCLUDE THE FOLLOWING ALERT:

SEATTLE-TACOMA INTERNATIONAL AIRPORT

ALERT NOTICE

ATTENTION ALL AIRCRAFT LANDING TO THE SOUTH:

WHEN TRANSITIONING FROM AN INSTRUMENT PROCEDURE TO A VISUAL APPROACH TO RUNWAY 16C, VERIFY YOU ARE
ALIGNED FOR THE INTENDED LANDING RUNWAY, NOT TAXIWAY TANGO. TAXIWAY TANGO IS WEST AND PARALLEL
TO RUNWAY 16C.

TRANSITION TO VISUAL:

TAXIWAY TANGO HAS BEEN MISTAKEN FOR RUNWAY 16C FROM THE AIR DURING CERTAIN VISIBILITY CONDITIONS,
I.E. WET RUNWAY, LOW SUN ANGLE REFLECTIONS. AIRCREWS ARE ADVISED TO BE AWARE OF THE PROXIMITY OF
THE TAXIWAY TO RUNWAY 16C AND ITS RUNWAY-LIKE APPEARANCE WHILE ON APPROACH.

RECOMMENDATION:

AIRCROWS SHOULD USE VISUAL CUES, E.G., APPROACH LIGHTING SYSTEMS, REILS, WHEN AVAILABLE, TO
CONFIRM ALIGNMENT WITH RUNWAY 16C NOT TAXIWAY TANGO. ADDITIONALLY, IT IS RECOMMENDED WHEN
EXECUTING A SEGMENT OF THE ILS APPROACH FOR A VISUAL TRANSITION, TRACK THE LOCALIZER UNTIL THE
RUNWAY ENVIRONMENT IS VISUALLY VERIFIED.

INSERT SEGMENTED AIRPORT DIAGRAM DEPICTING RUNWAY 16C AND TAXIWAY T

CITY AND STATE

SEATTLE, WA

ELEVATION: 433 TDZE: 430

AIRPORT NAME:

SEATTLE-TACOMA INTL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 16C, AMDT 1

20 NOV 2008

SUP:

AMDT: ORIG-E

DATED: 03/15/2007

CHECKED

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	KSEA
RUNWAY	RW16C
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W16B
LTP/FTP LATITUDE	472749.7125N
LTP/FTP LONGITUDE	1221839.5460W
LTP/FTP ELLIPSOIDAL HEIGHT	+01080
FPAP LATITUDE	472616.6900N
FPAP LONGITUDE	1221840.3600W
THRESHOLD CROSSING HEIGHT (TCH)	00056.6
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0000
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0

CRC REMAINDER

B3A6E192

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K1
LTP ORTHOMETRIC HEIGHT	+01309
FPAP ORTHOMETRIC HEIGHT	+01309

CITY AND STATE SEATTLE, WA	ELEVATION: 433 TDZE: 430 AIRPORT NAME: SEATTLE-TACOMA INTL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 16C, AMDT 1 20 NOV 2008	SUP:
				AMDT: ORIG-E
				DATED: 03/15/2007

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

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ARINC PACKET - 424-18[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KSEAK1FR16C	APAE	010PAE	K1D 0V	A	IF				18000		A JS	
SUSAP	KSEAK1FR16C	APAE	020WEMATK1EA0EE		010TF		16960109	+	06000			A JS	
SUSAP	KSEAK1FR16C	R	010WEMATK1EA0E	I	IF			+	06000	18000		A JS	
SUSAP	KSEAK1FR16C	R	011ERYKAK1EA0E	S	051TF		16330029	+	05000			A JS	
SUSAP	KSEAK1FR16C	R	012MGNUMK1EA0E	S	051TF		16330029	+	04000			A JS	
SUSAP	KSEAK1FR16C	R	013ANVILK1EA0E	S	051TF		16330024	+	03200			A JS	
SUSAP	KSEAK1FR16C	R	020SODOEK1EA1E	F	051TF		16330039	+	01900		RW16C K1PGA	JS	
SUSAP	KSEAK1FR16C	R	020SODOEK1EA2WALPV			ALNAV/VNAV	ALNAV					JS	
SUSAP	KSEAK1FR16C	R	030RW16CK1PG0GY	M	031TF		16330044		00487	-300		A JS	
SUSAP	KSEAK1FR16C	R	040OTLIEK1EA0E	M	010DF			+	02000			A JS	
SUSAP	KSEAK1FR16C	R	050MILLTK1EA0EY		010TF		1621	+	05000			A JS	
SUSAP	KSEAK1FR16C	R	060MILLTK1EA0EE		HR020HM		34270050	+	05000			A JS	

[illegible]

ELEVATION: 433 TDZE: 430
AIRPORT NAME:
SEATTLE-TACOMA INTL

FACILITY
IDENTIFIER:
BNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 16C, AMDT 1
20 NOV 2008

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

ES CHECKED

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are 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 KSEAK1SRW16CK1PG	0	18018006425	M

CITY AND STATE SEATTLE, WA	ELEVATION: 433 TDZE: 430 AIRPORT NAME: SEATTLE-TACOMA INTL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 16C, AMDT 1 20 NOV 2008	SUP:
				AMDT: ORIG-E
				DATED: 03/15/2007

3 CHECKED

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
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.

ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	PAE	PAE	010	IAF	IF		FB				
	PAE	WEMAT	020		TF		FB	1.0	169.6 (187T)	010.9	06000
		WEMAT	010	FACF	IF		FB				06000
		ERYKA	011	SDF	TF		FB	0.5	163.3 (180T)	002.9	05000
		MGNUM	012	SDF	TF		FB	0.5	163.3 (180T)	002.9	04000
		ANVIL	013	SDF	TF		FB	0.5	163.3 (180T)	002.4	03200
		SODOE	020	FAF	TF		FB	0.5	163.3 (180T)	003.9	01900
		RW16C	030	MAP	TF		FO	0.3	163.3 (180T)	004.4	00487

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	OTLIE	040		DF		FB	1.0			02000
	MILLT	050		TF		FO	1.0	162.1 (179T)		05000
	MILLT	060		HM	R	FO	2.0	342.7 (360T)	005.0	05000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	PAE	N475511.40	W1221640.20	N4755.190	W12216.670
	ANVIL	N473609.15	W1221835.17	N4736.153	W12218.586
	ERYKA	N474128.51	W1221832.35	N4741.475	W12218.539
	MGNUM	N473832.19	W1221833.91	N4738.537	W12218.565
	MILLT	N471507.75	W1221828.81	N4715.129	W12218.480
	OTLIE	N472352.17	W1221841.62	N4723.870	W12218.694
	SODOE	N473212.73	W1221837.25	N4732.212	W12218.621
	WEMAT	N474422.17	W1221830.82	N4744.370	W12218.514
	RW16C	N472749.71	W1221839.55	N4727.829	W12218.659

RUNWAY DATA	THRESHOLD	ELEVATION	TCH
RWY			
RW16C	00430		57

CITY AND STATE
SEATTLE, WA

ELEVATION: 433 TDZE: 430
 AIRPORT NAME:
 SEATTLE-TACOMA INTL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
 RNAV (GPS) RWY 16C, AMDT 1
 20 NOV 2008

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

CHECKED

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE
FAR PART 97.33

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TERMINAL ROUTES				MISSED APPROACH			
FROM	TO	COURSE AND DISTANCE	ALTITUDE				
PAE VOR/DME (IAF)	COROK (FB)	168.87 / 10.88	6000	LPV: DA LNAV/VNAV: DA LNAV: RW16L CLIMB TO 2000 DIRECT CAVOB, DO NOT EXCEED 2000 UNTIL PASSING CAVOB, THEN CLIMB TO 5000 VIA 162.91 TRACK TO MILLT AND HOLD, CONTINUE CLIMB-IN-HOLD TO 5000.			
COROK (IF)	KENMO (FB)	163.34 / 2.90	5000				
KENMO	HELZR (FB)	163.34 / 2.94	4000	ADDITIONAL FLIGHT DATA: HOLD S, RT, 342.66 INBOUND. CHART FAS OBST: 522 TREE 472831N/1221916W CHART FAS OBST: 541 TREE 472905N/1221911W DISTANCE TO THLD FROM 296 HAT: 0.76 NM. CHART VDP AT 1.28 MILES TO RW16L* *LNAV ONLY. WAAS CHANNEL # 63202 REFERENCE PATH ID: W16A CHART KBFI			
HELZR	KARFO (FB)	163.34 / 2.39	3200				
KARFO	DGLAS (FB)	163.34 / 3.94	1900				

1. PT NA SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
 2. PROFILE STARTS AT COROK
 3. FAC: 163.34 FAF: DGLAS DIST FAF TO MAP: 4.39 THLD: 4.39
 4. MIN. ALT: COROK 6000, KENMO 5000, HELZR 4000, KARFO 3200, DGLAS 1900
 5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
 6. MIN GS INCPT: 1900 GS ALT AT: DGLAS OM: MM: IM:
 7. GS ANGLE: 3.00 TCH: 53.6 34:1 IS CLEAR
 8. MSA FROM: RW16L 6400

MAG VAR: 17E
EPOCH YEAR: 2010

MINIMUMS															
TAKEOFF:	STANDARD	X	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	729	2400	296	729	2400	296	729	2400	296	729	2400	296			
LNAV/VNAV DA	811	4000	378	811	4000	378	811	4000	378	811	4000	378			
LNAV MDA	920	2400	487	920	2400	487	920	4000	487	920	5000	487			

CIRCLING	1000	1	567	1000	1	567	1000	1 1/2	567	1000	2	567			

NOTES:
 CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 47C (116F).
 CHART NOTE: DME/DME RNP-0.3 NA.
 CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.
 CHART NOTE: FOR INOPERATIVE ALSF-2, INCREASE LPV ALL CATS VISIBILITY TO RVR 5000.
 CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT PAE VOR/DME VIA V23 NORTHBOUND

CITY AND STATE SEATTLE, WA	ELEVATION: 433 TDZE: 433	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 16L, AMDT 2 20 NOV 2008	SUP: AMDT: 1A DATED 05/13/2008
	AIRPORT NAME: SEATTLE-TACOMA INTL			

CHECKED

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	KSEA
RUNWAY	RW16L
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W16A
LTP/FTP LATITUDE	472749.6635N
LTP/FTP LONGITUDE	1221827.9040W
LTP/FTP ELLIPSOIDAL HEIGHT	+01088
FPAP LATITUDE	472552.2200N
FPAP LONGITUDE	1221828.9400W
THRESHOLD CROSSING HEIGHT (TCH)	00053.6
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0000
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER

0052D33D

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K1
LTP ORTHOMETRIC HEIGHT	+01318
FPAP ORTHOMETRIC HEIGHT	+01318

CITY AND STATE SEATTLE, WA	ELEVATION: 433 TDZE: 433 AIRPORT NAME: SEATTLE-TACOMA INTL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 16L, AMDT 2 20 NOV 2008	SUP:
				AMDT: 1A
				DATED: 05/13/2008

CHECKED

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[illegible]

CITY AND STATE SEATTLE, WA	ELEVATION: 433 TDZE: 433	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 16L, AMDT 2 20 NOV 2008	SUP:
	AIROUT NAME:			AMDT: 1A
	SEATTLE-TACOMA INTL			DATED: 05/13/2008

CHECKED

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are 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 KSEAK1SRW16LK1PG 0 18018006425 M

DATED: 05/13/2008

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
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.

ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE
	PAE	PAE	010	IAF	IF		FB				
	PAE	COROK	020		TF		FB	1.0	168.9(186T)	010.9	05000
		COROK	010	FACF	IF		FB				05000
		KENMO	011	SDF	TF		FB	0.5	163.3(180T)	002.9	05000
		HELZR	012	SDF	TF		FB	0.5	163.3(180T)	002.9	04000
		KARFO	013	SDF	TF		FB	0.5	163.3(180T)	002.4	03200
		DGLAS	020	FAF	TF		FB	0.5	163.3(180T)	003.9	01900
		RW16L	030	MAP	TF		FO	0.3	163.3(180T)	004.4	00487

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE
	CAVOB	040		DF		FB	1.0			02000
	MILLT	050		TF		FO	1.0	162.9(180T)		05000
	MILLT	060		HM	R	FO	2.0	342.7(360T)	005.0	05000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	PAE	N475511.40	W1221640.20	N4755.190	W12216.670
	CAVOB	N472346.29	W1221830.05	N4723.772	W12218.501
	COROK	N474422.15	W1221819.17	N4744.369	W12218.320
	DGLAS	N473212.70	W1221825.59	N4732.212	W12218.427
	HELZR	N473832.17	W1221822.26	N4738.536	W12218.371
	KARFO	N473609.12	W1221823.52	N4736.152	W12218.392
	KENMO	N474128.48	W1221820.70	N4741.475	W12218.345
	MILLT	N471507.75	W1221828.81	N4715.129	W12218.480
	RW16L	N472749.66	W1221827.90	N4727.828	W12218.465

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW16L	00433	54

CITY AND STATE SEATTLE, WA	ELEVATION: 433 TDZE: 433 AIRPORT NAME: SEATTLE-TACOMA INTL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 16L, AMDT 2 20 NOV 2008	SUP:
				AMDT: 1A
				DATED: 05/13/2008

CHECKED

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION				RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE 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.									
TERMINAL ROUTES												MISSED APPROACH					
FROM		TO		COURSE AND DISTANCE				ALTITUDE		LPV: DA LNAV/VNAV: DA LNAV: RW16R CLIMB TO 2000 DIRECT WESET, DO NOT EXCEED 2000 UNTIL PASSING WESET, THEN CLIMB TO 5000 VIA 160.37 TRACK TO MILLT AND HOLD, CONTINUE CLIMB-IN-HOLD TO 5000. ADDITIONAL FLIGHT DATA: HOLD S, RT, 342.66 INBOUND. CHART FAS OBST: 522 TREE 472831N/1221916W CHART FAS OBST: 642 TOWER 473013N/1222012W DISTANCE TO THLD FROM 200 HAT: 0.46 NM. CHART VDP AT 1.37 MILES TO RW16R* *LNAV ONLY. WAAS CHANNEL # 86910 REFERENCE PATH ID: W16D CHART KBFI							
PAE VOR/DME (IAF)		WATEL (FB)		171.05 / 10.89				6000									
WATEL (IF)		AGANE (FB)		163.33 / 2.90				5000									
AGANE		CELAKE (FB)		163.33 / 2.94				4000									
CELAKE		BUGNE (FB)		163.33 / 2.38				3200									
BUGNE		FINKA (FB)		163.33 / 3.94				1900									
1. PT <u>NA</u> SIDE OF COURSE <u>OUTBOUND</u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. PROFILE STARTS AT WATEL 3. FAC: <u>163.33</u> FAF: <u>FINKA</u> DIST FAF TO MAP: <u>4.44</u> THLD: <u>4.44</u> 4. MIN. ALT: <u>WATEL 6000, AGANE 5000, CELAK 4000, BUGNE 3200, FINKA 1900</u> 5. DIST TO THLD FROM OM: <u> </u> MM: <u> </u> IM: <u> </u> 150 HAT: <u> </u> 100 HAT: <u> </u> GS ANT: <u> </u> 6. MIN GS INCPT: <u>1900</u> GS ALT AT: <u>FINKA</u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u>3.00</u> TCH: <u>54.9</u> 34:1 IS CLEAR 8. MSA FROM: <u>RW16R 6400</u>												MAG VAR: 17E EPOCH YEAR: 2010					
MINIMUMS																	
TAKEOFF: ☐ STANDARD ☒ X 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	615	2400	200	615	2400	200	615	2400	200	615	2400	200					
LNAV/VNAV DA	808	4000	393	808	4000	393	808	4000	393	808	4000	393					
LNAV MDA	920	2400	505	920	2400	505	920	5000	505	920	5000	505					
CIRCLING	1000	1	567	1000	1	567	1000	1 1/2	567	1000	2	567					
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 47C (116F). CHART NOTE: DME/DME RNP-0.3 NA. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT PAE VOR/DME VIA V23 NORTHBOUND. CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.																	
CITY AND STATE SEATTLE, WA				ELEVATION: 433 TDZE: 415 AIRPORT NAME: SEATTLE-TACOMA INTL				FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 16R, ORIG 20 NOV 2008				SUP: AMDT: NONE DATED			

CHECKED

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
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	KSEA
RUNWAY	RW16R
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W16D
LTP/FTP LATITUDE	472749.8090N
LTP/FTP LONGITUDE	1221904.2850W
LTP/FTP ELLIPSOIDAL HEIGHT	+01035
FPAP LATITUDE	472625.7900N
FPAP LONGITUDE	1221905.0000W
THRESHOLD CROSSING HEIGHT (TCH)	00054.9
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0008
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0

CRC REMAINDER

B090B482

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K1
LTP ORTHOMETRIC HEIGHT	+01265
FPAP ORTHOMETRIC HEIGHT	+01265

CITY AND STATE

SEATTLE, WA

ELEVATION: 433 TDZE: 415

AIRPORT NAME:

SEATTLE-TACOMA INTL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 16R, ORIG

20 NOV 2008

SUP:

AMDT: NONE

DATED:

QUALITY
CHECKED

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.

ARINC PACKET - 424-18

[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KSEAK1FR16R	APAE	010PAE	K1D OV	A	IF					18000		A JS	
SUSAP KSEAK1FR16R	APAE	020WATELK1EA0EE	010TF			17110109		+ 06000				A JS	
SUSAP KSEAK1FR16R	R	010WATELK1EA0E	I	IF				+ 06000		18000		A JS	
SUSAP KSEAK1FR16R	R	011AGANEK1EA0E	S	051TF		16330029		+ 05000				A JS	
SUSAP KSEAK1FR16R	R	012CELAKK1EA0E	S	051TF		16330029		+ 04000				A JS	
SUSAP KSEAK1FR16R	R	013BUGNEK1EA0E	S	051TF		16330024		+ 03200				A JS	
SUSAP KSEAK1FR16R	R	020FINKAK1EA1E	F	051TF		16330039		+ 01900			RW16R K1PGA	JS	
SUSAP KSEAK1FR16R	R	020FINKAK1EA2WALPV			ALNAV/VNAV	ALNAV						JS	
SUSAP KSEAK1FR16R	R	030RW16RK1PGOG	M	031TF		16330044		00470		-300		A JS	
SUSAP KSEAK1FR16R	R	040WESETK1EA0E	M	010DF				+ 02000				A JS	
SUSAP KSEAK1FR16R	R	050MILLTK1EA0EY	010TF			1604		+ 05000				A JS	
SUSAP KSEAK1FR16R	R	060MILLTK1EA0EE	HR020HM			34270050		+ 05000				A JS	

[illegible]

CITY AND STATE SEATTLE, WA	ELEVATION: 433 TDZE: 415 AIRPORT NAME: SEATTLE-TACOMA INTL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 16R, ORIG 20 NOV 2008	SUP:
				AMDT: NONE
				DATED:

4
CHECKED

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

CITY AND STATE SEATTLE, WA	ELEVATION: 433 TDZE: 415 AIRPORT NAME: SEATTLE-TACOMA INTL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 16R, ORIG 20 NOV 2008	SUP:
				AMDT: NONE
				DATED: QUALITY

QUALITY
CHECKED

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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ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE
	PAE	PAE	010	IAF	IF		FB				
	PAE	WATEL	020		TF		FB	1.0	171.1(188T)	010.9	06000
		WATEL	010	FACF	IF		FB				06000
		AGANE	011	SDF	TF		FB	0.5	163.3(180T)	002.9	05000
		CELAKE	012	SDF	TF		FB	0.5	163.3(180T)	002.9	04000
		BUGNE	013	SDF	TF		FB	0.5	163.3(180T)	002.4	03200
		FINKA	020	FAF	TF		FB	0.5	163.3(180T)	003.9	01900
		RW16R	030	MAP	TF		FB	0.3	163.3(180T)	004.4	00470

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE
	WESET	040		DF		FB	1.0			02000
	MILLT	050		TF		FO	1.0	160.4(177T)		05000
	MILLT	060		HM	R	FO	2.0	342.7(360T)	005.0	05000

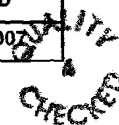
POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	PAE	N475511.40	W1221640.20	N4755.190	W12216.670
	AGANE	N474131.46	W1221857.28	N4741.524	W12218.955
	BUGNE	N473612.18	W1221900.01	N4736.203	W12219.000
	CELAKE	N473835.19	W1221858.79	N4738.587	W12218.980
	FINKA	N473215.83	W1221902.03	N4732.264	W12219.034
	MILLT	N471507.75	W1221828.81	N4715.129	W12218.480
	WATEL	N474425.08	W1221855.79	N4744.418	W12218.930
	WESET	N472421.05	W1221906.07	N4724.351	W12219.101
	RW16R	N472749.81	W1221904.29	N4727.830	W12219.072

RUNWAY DATA	THRESHOLD
RWY	ELEVATION TCH
RW16R	00415 55

CITY AND STATE SEATTLE, WA	ELEVATION: 433 TDZE: 415	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 16R, ORIG 20 NOV 2008	SUP:
	AIRPORT NAME: SEATTLE-TACOMA INTL			AMDT: NONE
				DATED:

QUALITY
CHECKED

RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE 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.													
TERMINAL ROUTES										MISSED APPROACH							
FROM		TO		COURSE AND DISTANCE				ALTITUDE		LPV: DA LNAV/VNAV: DA LNAV: RW34C CLIMB TO 2000 DIRECT NESOE, DO NOT EXCEED 2000 UNTIL PASSING NESOE, THEN CLIMB TO 5000 VIA 343.34 TRACK TO MGNUM AND HOLD, CONTINUE CLIMB-IN-HOLD TO 5000. ADDITIONAL FLIGHT DATA: HOLD N, RT, 163.04 INBOUND. CHART FAS OBST: 507 TREE 472529N/1221857W CHART FAS OBST: 639 TREE 472049N/1221814W DISTANCE TO THLD FROM 354 HAT: 1.01 NM. CHART VDP AT 1.45 MILES TO RW34C* *LNAV ONLY. WAAS CHANNEL # 77710 REFERENCE PATH ID: W34B							
CIDUG		ATEVE (FB)		027.92 / 3.96				5000									
ATEVE (IAF)		LORIE (FB)		343.34 / 9.17				5000									
LORIE (IF)		ODBOE (FB)		343.34 / 2.94				4000									
ODBOE		TIFYS (FB)		343.34 / 4.80				2400									
1. PT <u>NA</u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. PROFILE STARTS AT LORIE 3. FAC: <u>343.34</u> FAF: <u>TIFYS</u> DIST FAF TO MAP: <u>6.12</u> THLD: <u>6.12</u> 4. MIN. ALT: <u>LORIE 5000, ODBOE 4000, TIFYS 2400</u> 5. DIST TO THLD FROM OM: <u> </u> MM: <u> </u> IM: <u> </u> 150 HAT: <u> </u> 100 HAT: <u> </u> GS ANT: <u> </u> 6. MIN GS INCPT: <u>2400</u> GS ALT AT: <u>TIFYS</u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u>3.00</u> TCH: <u>55.7</u> 34:1 IS CLEAR 8. MSA FROM: <u>RW34C 6400</u>										MAG VAR: 17E		EPOCH YEAR: 2010					
MINIMUMS																	
TAKEOFF:		STANDARD		X		SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE: NA		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	741	4000	354	741	4000	354	741	4000	354	741	4000	354					
LNAV/VNAV DA	790	5000	403	790	5000	403	790	5000	403	790	5000	403					
LNAV MDA	900	2400	513	900	2400	513	900	5000	513	900	6000	513					
CIRCLING	1000	1	567	1000	1	567	1000	1 1/2	567	1000	2	567					
NOTES: CHART NOTE: FOR INOPERATIVE MALSR, INCREASE LPV ALL CATS VISIBILITY TO RVR 6000. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 48C (118F). CHART NOTE: DME/DME RNP-0.3 NA. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT CIDUG VIA V495 SOUTHBOUND. CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.																	
CITY AND STATE		ELEVATION: 433 TDZE: 387				FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:					
SEATTLE, WA		AIRPORT NAME: SEATTLE-TACOMA INTL						RNAV (GPS) RWY 34C, AMDT 1				AMDT: ORIG-D					
								20 NOV 2008				DATED 03/15/2007					



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

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KSEA
RUNWAY	RW34C
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W34B
LTP/FTP LATITUDE	472616.6910N
LTP/FTP LONGITUDE	1221840.3600W
LTP/FTP ELLIPSOIDAL HEIGHT	+00878
FPAP LATITUDE	472749.7100N
FPAP LONGITUDE	1221839.5500W
THRESHOLD CROSSING HEIGHT (TCH)	00055.7
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0000
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER EE5479C9

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K1
LTP ORTHOMETRIC HEIGHT	+01106
FPAP ORTHOMETRIC HEIGHT	+01106

CITY AND STATE

SEATTLE, WA

ELEVATION: 433 TDZE: 387
AIRPORT NAME:

SEATTLE-TACOMA INTL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 34C, AMDT 1

20 NOV 2008

SUP:

AMDT: ORIG-D

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][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KSEAK1FR34C	ACIDUG	010CIDUGK1EA0E	IF							18000		A JS	
SUSAP KSEAK1FR34C	ACIDUG	020ATEVEK1EA0E	A 020TF			02790040		+ 05000				A JS	
SUSAP KSEAK1FR34C	ACIDUG	030LORIEK1EA0EE	010TF			34330092		+ 05000				A JS	
SUSAP KSEAK1FR34C	R	010LORIEK1EA0E	I IF					+ 05000		18000		A JS	
SUSAP KSEAK1FR34C	R	011ODBOEK1EA0E	S 051TF			34330029		+ 04000				A JS	
SUSAP KSEAK1FR34C	R	020TIFYSK1EA1E	F 051TF			34330048		+ 02400			RW34C K1PGA	JS	
SUSAP KSEAK1FR34C	R	020TIFYSK1EA2WALPV		ALNAV/VNAV	ALNAV							JS	
SUSAP KSEAK1FR34C	R	030RW34CK1PG0GY	M 031TF			34330061		00419		-300		A JS	
SUSAP KSEAK1FR34C	R	040NESOEK1EA0E	M 010DF					+ 02000				A JS	
SUSAP KSEAK1FR34C	R	050MGNUMK1EA0EY	010TF			3433		+ 05000				A JS	
SUSAP KSEAK1FR34C	R	060MGNUMK1EA0EE	HR020HM			16300050		+ 05000				A JS	

[illegible][illegible]

CITY AND STATE SEATTLE, WA	ELEVATION: 433 TDZE: 387	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 34C, AMDT 1 20 NOV 2008	SUP:
	AIRPORT NAME:			AMDT: ORIG-D
	SEATTLE-TACOMA INTL			DATED: 03/15/2007

Checked

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

PAGE 4 OF 5 PAGES

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

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.

ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE
	CIDUG	CIDUG	010		IF		FB				
	CIDUG	ATEVE	020	IAF	TF		FB	2.0	027.9 (045T)	004.0	05000
	CIDUG	LORIE	030		TF		FB	1.0	343.3 (000T)	009.2	05000
		LORIE	010	FACF	IF		FB				05000
		ODBOE	011	SDF	TF		FB	0.5	343.3 (000T)	002.9	04000
		TIFY5	020	FAF	TF		FB	0.5	343.3 (000T)	004.8	02400
		RW34C	030	MAP	TF		FO	0.3	343.3 (000T)	006.1	00419

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE
	NESOE	040		DF		FB	1.0			02000
	MGNUM	050		TF		FO	1.0	343.3 (000T)		05000
	MGNUM	060		HM	R	FO	2.0	163.0 (180T)	005.0	05000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	ATEVE	N470316.26	W1221852.36	N4703.271	W12218.873
	CIDUG	N470028.09	W1222257.83	N4700.468	W12222.964
	LORIE	N471226.10	W1221847.59	N4712.435	W12218.793
	MGNUM	N473832.19	W1221833.91	N4738.537	W12218.565
	NESOE	N472955.64	W1221838.45	N4729.927	W12218.641
	ODBOE	N471522.19	W1221846.06	N4715.370	W12218.768
	TIFY5	N472009.83	W1221843.56	N4720.164	W12218.726
	RW34C	N472616.69	W1221840.36	N4726.278	W12218.673

RUNWAY DATA	THRESHOLD		
RWY	ELEVATION	TCH	
RW34C	00363	56	

CITY AND STATE
SEATTLE, WAELEVATION: 433 TDZE: 387
AIRPORT NAME:
SEATTLE-TACOMA INTLFACILITY
IDENTIFIER:
RNAVPROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 34C, AMDT 1
20 NOV 2008SUP:
AMDT: ORIG-D
DATED: 03/15/2007

RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE 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.												
TERMINAL ROUTES										MISSED APPROACH						
FROM		TO		COURSE AND DISTANCE			ALTITUDE		LPV: DA LNAV/VNAV: DA LNAV: RW34L CLIMB TO 2000 DIRECT CUSBU, DO NOT EXCEED 2000 UNTIL PASSING CUSBU, THEN CLIMB TO 5000 VIA 345.19 TRACK TO MGNUM AND HOLD, CONTINUE CLIMB-IN-HOLD TO 5000. ADDITIONAL FLIGHT DATA: HOLD N, RT, 163.04 INBOUND. CHART FAS OBST: 507 TREE 472529N/1221857W DISTANCE TO THLD FROM 200 HAT: 0.53 NM. WAAS CHANNEL # 45810 REFERENCE PATH ID: W34D							
CIDUG (IAF)		HIPRO (FB)		354.97 / 12.37			5000									
HIPRO (IF)		JOSTA (FB)		343.33 / 2.94			4000									
JOSTA		JALON (FB)		343.33 / 4.80			2400									
1. PT <u>NA</u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. PROFILE STARTS AT HIPRO 3. FAC: <u>343.33</u> FAF: <u>JALON</u> DIST FAF TO MAP: <u>6.14</u> THLD: <u>6.14</u> 4. MIN. ALT: <u>HIPRO 5000, JOSTA 4000, JALON 2400, HOVOS/1.60 NM TO RW34L 920*</u> 5. DIST TO THLD FROM OM: <u> </u> MM: <u> </u> IM: <u> </u> 150 HAT: <u> </u> 100 HAT: <u> </u> GS ANT: <u> </u> 6. MIN GS INCPT: <u>2400</u> GS ALT AT: <u>JALON</u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u>3.00</u> TCH: <u>54.9</u> <u>34:1 IS CLEAR</u> 8. MSA FROM: <u>RW34L 6400</u>																
										MAG VAR: 17E EPOCH YEAR: 2010						
MINIMUMS																
TAKEOFF:		☐ STANDARD ☒ SEE FAA FORM 8260-15A FOR THIS AIRPORT		ALTERNATE: N A		STANDARD										
CATEGORY =====>		A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	
LPV DA	579	2400	200	579	2400	200	579	2400	200	579	2400	200				
LNAV/VNAV DA	792	5000	413	792	5000	413	792	5000	413	792	5000	413				
LNAV MDA	860	2400	481	860	2400	481	860	4000	481	860	5000	481				
CIRCLING	1000	1	567	1000	1	567	1000	1 1/2	567	1000	2	567				
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 48C (118F). CHART NOTE: DME/DME RNP-0.3 NA. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT CIDUG VIA V495 SOUTHBOUND. CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT. *I NAV ONLY																
CITY AND STATE SEATTLE, WA				ELEVATION: 433 TDZE: 379 AIRPORT NAME: SEATTLE-TACOMA INTL			FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 34L, ORIG 20 NOV 2008				SUP: AMDT: NONE DATED			

 QUALITY
CHECKED

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
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 KSEA
RUNWAY RW34L
APPROACH PERFORMANCE DESIGNATOR 0
ROUTE INDICATOR
REFERENCE PATH DATA SELECTOR 0
REFERENCE PATH IDENTIFIER (APPROACH ID) W34D
LTP/FTP LATITUDE 472625.9210N
LTP/FTP LONGITUDE 1221905.0115W
LTP/FTP ELLIPSOIDAL HEIGHT +00857
FPAP LATITUDE 472749.9100N
FPAP LONGITUDE 1221904.3000W
THRESHOLD CROSSING HEIGHT (TCH) 00054.9
TCH UNITS SELECTOR (METERS OR FEET USED) F
GLIDEPATH ANGLE (GPA) 03.00
COURSE WIDTH AT THRESHOLD 106.75
LENGTH OFFSET 0000
HORIZONTAL ALERT LIMIT (HAL) 40.0
VERTICAL ALERT LIMIT (VAL) 35.0

CRC REMAINDER

B5961770

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K1
LTP ORTHOMETRIC HEIGHT +01086
FPAP ORTHOMETRIC HEIGHT +01086

CITY AND STATE SEATTLE, WA	ELEVATION: 433 TDZE: 379 AIRPORT NAME: SEATTLE-TACOMA INTL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 34L, ORIG 20 NOV 2008	SUP:
				AMDT: NONE
				DATED:

QUALITY
CHECKED

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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ARINC PACKET - 424-18[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KSEAK1FR34L	ACIDUG	010CIDUGK1EA0E	A	IF					18000		A	JS
SUSAP	KSEAK1FR34L	ACIDUG	020HIPROK1EA0EE		010TF		35500124	+	05000			A	JS
SUSAP	KSEAK1FR34L	R	010HIPROK1EA0E	I	IF			+	05000	18000		A	JS
SUSAP	KSEAK1FR34L	R	011JOSTAK1EA0E	S	051TF		34330029	+	04000			A	JS
SUSAP	KSEAK1FR34L	R	020JALONK1EA1E	F	051TF		34330048	+	02400		RW34L K1PGA	JS	
SUSAP	KSEAK1FR34L	R	020JALONK1EA2WALPV			ALNAV/VNAV	ALNAV					JS	
SUSAP	KSEAK1FR34L	R	021HOVOSK1EA0E	S	031TF		34330045	V	0092000924	-300		A	JS
SUSAP	KSEAK1FR34L	R	030RW34LK1PGOGY	M	031TF		34330016		00411	-300		A	JS
SUSAP	KSEAK1FR34L	R	040CUSBUK1EA0E	M	DF			+	02000			A	JS
SUSAP	KSEAK1FR34L	R	050MGNUMK1EA0EY		TF		3452	+	05000			A	JS
SUSAP	KSEAK1FR34L	R	060MGNUMK1EA0EE		HR020HM		16300050	+	05000			A	JS

[illegible][illegible]

CITY AND STATE SEATTLE, WA	ELEVATION: 433 TDZE: 379 AIRPORT NAME: SEATTLE-TACOMA INTL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 34L, ORIG 20 NOV 2008	SUP:
				AMDT: NONE
				DATED: QUALITY

QUALITY
GES &
CHECKER

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

CHECKED

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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ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	CIDUG	CIDUG	010	IAF	IF		FB				
	CIDUG	HIPRO	020		TF		FB	1.0	355.0(012T)	012.4	05000
		HIPRO	010	FACF	IF		FB				05000
		JOSTA	011	SDF	TF		FB	0.5	343.3(000T)	002.9	04000
		JALON	020	FAF	TF		FB	0.5	343.3(000T)	004.8	02400
		HOVOS	021	SDF	TF		FB	0.3	343.3(000T)	004.5	00920
		RW34L	030	MAP	TF		FO	0.3	343.3(000T)	001.6	00411

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	CUSBU	040		DF		FB				02000
	MGNUM	050		TF		FO		345.2(002T)		05000
	MGNUM	060		HM	R	FO	2.0	163.0(180T)	005.0	05000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CIDUG	N470028.09	W1222257.83	N4700.468	W12222.964
	CUSBU	N472954.68	W1221903.23	N4729.911	W12219.054
	HIPRO	N471233.96	W1221912.04	N4712.566	W12219.201
	HOVOS	N472449.97	W1221905.82	N4724.833	W12219.097
	JALON	N472017.69	W1221908.13	N4720.295	W12219.136
	JOSTA	N471530.08	W1221910.56	N4715.501	W12219.176
	MGNUM	N473832.19	W1221833.91	N4738.537	W12218.565
	RW34L	N472625.92	W1221905.01	N4726.432	W12219.084

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW34L	00356	55

CITY AND STATE
SEATTLE, WA

ELEVATION: 433 TDZE: 379
 AIRPORT NAME:
 SEATTLE-TACOMA INTL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
 RNAV (GPS) RWY 34L, ORIG
 20 NOV 2008

SUP:
 AMDT: NONE
 DATED:

QUALITY
CHECKED

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE
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.

TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
CIDUG	EBOCA (FB)	027.92 / 4.15	5000	LPV: DA LNAV/VNAV: DA LNAV: RW34R CLIMB TO 2000 DIRECT DODVE, DO NOT EXCEED 2000 UNTIL PASSING DODVE, THEN CLIMB TO 5000 VIA 342.47 TRACK TO MGNUM AND HOLD, CONTINUE CLIMB-IN-HOLD TO 5000. ADDITIONAL FLIGHT DATA: HOLD N, RT, 163.04 INBOUND. CHART FAS OBST: 573 TANK 472433N/1221736W CHART FAS OBST: 639 TREE 472049N/1221814W DISTANCE TO THLD FROM 250 HAT: 0.74 NM. CHART VDP AT 1.61 MILES TO RW34R* *LNAV ONLY. WAAS CHANNEL # 42710 REFERENCE PATH ID: W34A
EBOCA (IAF)	NEEAL (FB)	343.34 / 7.43	5000	
NEEAL (IF)	KLEWS (FB)	343.34 / 3.17	4000	
KLEWS	BUCKK (FB)	343.34 / 5.85	2200	

- PT NA SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- PROFILE STARTS AT NEEAL
- FAC: 343.34 FAF: BUCKK DIST FAF TO MAP: 6.03 THLD: 6.03
- MIN. ALT: NEEAL 5000, KLEWS 4000, BUCKK 2200
- DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
- MIN GS INCPT: 2200 GS ALT AT: BUCKK OM: MM: IM:
- GS ANGLE: 2.75 TCH: 59.7 34:1 IS CLEAR
- MSA FROM: RW34R 6400

MAG VAR: 17E

EPOCH YEAR: 2010

MINIMUMS

TAKEOFF:	STANDARD	X	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	622	2400	250	622	2400	250	622	2400	250	622	2400	250			
LNAV/VNAV DA	869	1 1/2	497	869	1 1/2	497	869	1 1/2	497	869	1 1/2	497			
LNAV MDA	900	2400	528	900	2400	528	900	5000	528	900	6000	528			
CIRCLING	1000	1	567	1000	1	567	1000	1 1/2	567	1000	2	567			

NOTES:

CHART NOTE: FOR INOPERATIVE MALSR, INCREASE LPV ALL CATS VISIBILITY TO RVR 5000.

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 54C (130F).

CHART NOTE: DME/DME RNP-0.3 NA.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT CIDUG VIA V495 SOUTHBOUND.

CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.

CITY AND STATE	ELEVATION: 433 TDZE: 372	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 34R, AMDT 1 20 NOV 2008	SUP: AMDT: ORIG-B DATED 10/30/2003
SEATTLE, WA	AIRPORT NAME: SEATTLE-TACOMA INTL			

CHECKED

**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	KSEA
RUNWAY	RW34R
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W34A
LTP/FTP LATITUDE	472552.2165N
LTP/FTP LONGITUDE	1221828.9440W
LTP/FTP ELLIPSOIDAL HEIGHT	+00828
FPAP LATITUDE	472749.6600N
FPAP LONGITUDE	1221827.9000W
THRESHOLD CROSSING HEIGHT (TCH)	00059.7
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	02.75
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0000
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER

5599B28C

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K1
LTP ORTHOMETRIC HEIGHT	+01057
FPAP ORTHOMETRIC HEIGHT	+01057

CITY AND STATE

SEATTLE, WA

ELEVATION: 433 TDZE: 372

AIRPORT NAME:

SEATTLE-TACOMA INTL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 34R, AMDT 1

20 NOV 2008

SUP:

AMDT: ORIG-B

DATED: 10/30/2003

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Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are 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 KSEAK1FR34R	ACIDUG	010CIDUGK1EA0E	IF							18000		A JS	
SUSAP KSEAK1FR34R	ACIDUG	020EBOCAK1EA0E	A 020TF			02790042		+ 05000				A JS	
SUSAP KSEAK1FR34R	ACIDUG	030NEEALK1EA0EE	010TF			34330074		+ 05000				A JS	
SUSAP KSEAK1FR34R	R	010NEEALK1EA0E	I IF					+ 05000		18000		A JS	
SUSAP KSEAK1FR34R	R	011KLEWSK1EA0E	S 051TF			34330032		+ 04000				A JS	
SUSAP KSEAK1FR34R	R	020BUCKKK1EA1E	F 051TF			34330059		+ 02200			RW34R K1PGA	JS	
SUSAP KSEAK1FR34R	R	020BUCKKK1EA2WALPV		ALNAV/VNAV	ALNAV							JS	
SUSAP KSEAK1FR34R	R	030RW34RK1PG0GY	M 031TF			34330060		00407		-275		A JS	
SUSAP KSEAK1FR34R	R	040DODVEK1EA0E	M 010DF					+ 02000				A JS	
SUSAP KSEAK1FR34R	R	050MGNUMK1EA0EY	010TF			3425		+ 05000				A JS	
SUSAP KSEAK1FR34R	R	060MGNUMK1EA0EE	HR020HM			16300050		+ 05000				A JS	

[illegible][illegible]

CITY AND STATE SEATTLE, WA	ELEVATION: 433 TDZE: 372 AIRPORT NAME: SEATTLE-TACOMA INTL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 34R, AMDT 1 20 NOV 2008	SUP:
				AMDT: ORIG-B
				DATED: 10/30/2003

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[illegible]

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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ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	CIDUG	CIDUG	010		IF		FB				
		EBOCA	020	IAF	TF		FB	2.0	027.9 (045T)	004.2	05000
	CIDUG	NEEAL	030		TF		FB	1.0	343.3 (000T)	007.4	05000
		NEEAL	010	FACF	IF		FB				05000
		KLEWS	011	SDF	TF		FB	0.5	343.3 (000T)	003.2	04000
		BUCKK	020	FAF	TF		FB	0.5	343.3 (000T)	005.9	02200
		RW34R	030	MAP	TF		FO	0.3	343.3 (000T)	006.0	00407

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	DODVE	040		DF		FB	1.0			02000
	MGNUM	050		TF		FO	1.0	342.5 (360T)		05000
	MGNUM	060		HM	R	FO	2.0	163.0 (180T)	005.0	05000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	BUCKK	N471950.36	W1221832.10	N4719.839	W12218.535
	CIDUG	N470028.09	W1222257.83	N4700.468	W12222.964
	DODVE	N472955.59	W1221826.80	N4729.927	W12218.447
	EBOCA	N470324.29	W1221840.65	N4703.405	W12218.678
	KLEWS	N471359.63	W1221835.15	N4713.994	W12218.586
	MGNUM	N473832.19	W1221833.91	N4738.537	W12218.565
	NEEAL	N471049.72	W1221836.80	N4710.829	W12218.613
	RW34R	N472552.22	W1221828.94	N4725.870	W12218.482

RUNWAY DATA	THRESHOLD	ELEVATION	TCH
RWY			
RW34R	00347		60

CITY AND STATE
SEATTLE, WA

ELEVATION: 433 TDZE: 372
 AIRPORT NAME:
 SEATTLE-TACOMA INTL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
 RNAV (GPS) RWY 34R, AMDT 1
 20 NOV 2008

SUP:
 AMDT: ORIG-B
 DATED: 10/30/2008

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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

(1) TAKEOFF MINIMUMS:

RWY 16L, 16C, 16R, 34L, 34C, 34R STANDARD.

(2) TEXTUAL DEPARTURE PROCEDURE:

RWY 16L, 16C, 16R - CLIMB TO 1000 VIA HEADING 163.34, THEN CLIMBING RIGHT TURN DIRECT SEA VORTAC, THENCE...

RWY 34L, 34C, 34R - CLIMB TO 1000 VIA HEADING 343.34, THEN CLIMBING LEFT TURN DIRECT SEA VORTAC, THENCE...

...CLIMB IN SEA VORTAC HOLDING PATTERN (HOLD SE, LEFT TURNS, 310 INBOUND) TO MEA/MCA FOR ROUTE OF FLIGHT.

(3) TAKEOFF OBSTACLE NOTES:

NOTE: RWY 16L, TREES BEGINNING 2908' FROM DER, 1064' RIGHT OF CENTERLINE, UP TO 100' AGL/476' MSL.

NOTE: RWY 16C, TREES BEGINNING 4477' FROM DER, 484' RIGHT OF CENTERLINE, UP TO 100' AGL/507' MSL.

NOTE: RWY 16R, TREES, ANTENNA ON BUILDING AND LIGHT POLE BEGINNING 488' FROM DER, 436' LEFT OF CENTERLINE, UP TO 100' AGL/507' MSL. TREES BEGINNING 1137' FROM DER, 587' RIGHT OF CENTERLINE, UP TO 100' AGL/468' MSL.

NOTE: RWY 34L, FENCE 189' FROM DER, 401' RIGHT OF CENTERLINE, UP TO 12' AGL/420' MSL. TREES BEGINNING 4010' FROM DER, 857' LEFT OF CENTERLINE, UP TO 100' AGL/522' MSL.

(4) CONTROLLING OBSTACLES:

RWYS 16L, 16C, 16R, 34L, 34C, 34R, 14410 MSL TERRAIN 465107.40N/1214521.90W.

(5) City, State SEATTLE, WA	(6) Airport SEATTLE-TACOMA INTL	(7) Effective Date 20 NOV 2008	(8) Amdt. No. 4

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION VOR/DME STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICE - FAR 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: ZAGNA/1.71 DME FIX CLIMB TO 2000 VIA HEADING 163 AND SEA VORTAC R-161 TO TEBNE/SEA 2.40 DME/RADAR, DO NOT EXCEED 2000 UNTIL PASSING TEBNE, THEN CLIMB TO 5000 VIA SEA R-163 TO MILLT INT/SEA 11.00 DME/RADAR AND HOLD, CONTINUE CLIMB-IN-HOLD TO 5000. ADDITIONAL FLIGHT DATA: HOLD S. RT, 340.66 INBOUND. CHART FAS OBST: 642 TOWER 473013N/1222012W CHART: BOEING FIELD/KING COUNTY INTL. CHART VDP AT 3.11 DME; DISTANCE VDP TO THLD 1.41 MILES. FAC 301L OF RWY 16C C/L EXTENDED 3000 FROM THLD. FAC 499R OF RWY 16L C/L EXTENDED 3000 FROM THLD.							
PAE VOR/DME (IAF)	MGNUM/SEA 12.42 DME	164.40 / 16.71		2000								
MGNUM/SEA 12.42 DME (IF)	SODOE/SEA 6.09 DME	160.92 / 6.33 (SEA R-341)		1900								
1. PT <u>NA</u> SIDE OF COURSE <u>OUTBOUND</u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. PROFILE STARTS AT MGNUM 3. FAC <u>160.92</u> FAF <u>SODOE/SEA 6.09 DME</u> DIST FAF TO MAP <u> </u> THLD <u>4.39</u> 4. MIN. ALT <u>MGNUM 2000, SODOE 1900</u> 8. MSA FROM: <u>SEA VORTAC 360-160 6400, 160-250 2200, 250-360 3400</u>					MAG VAR: 19E EPOCH YEAR: 2000							
MINIMUMS												
TAKEOFF:	STANDARD	X	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
S-16L	960	2400	527	960	2400	527	960	5000	527	960	6000	527
S-16C	960	2400	530	960	2400	530	960	5000	530	960	6000	530
CIRCLING	1000	1	567	1000	1	567	1000	1 1/2	567	1000	2	567
NOTES: CHART PROFILE NOTE: PROCEDURE NA FOR ARRIVALS AT PAE VOR/DME VIA V23 NORTHBOUND. CHART NOTE: SEE ADDITIONAL REQUIREMENTS ON ADJACENT INFORMATION PAGE. SEE 8260-10												
CITY AND STATE		ELEVATION: 433		TDZE: 16L 433		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:		SUP VOR RWY 16L/C		
SEATTLE, WA		AIRPORT NAME:		TDZE: 16C 430		SEA		VOR/DME RWY 16L/C AMDT 14		AMDT 13C		
		SEATTLE-TACOMA INTL						20 NOV 2008		DATE 09/28/2006		



VOR/DME STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - - FAR 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.

PUBLISH BRIEFING PAGE SHOWING GRAPHIC OF THE RELATIONSHIP OF RUNWAY 16C AND TAXIWAY T FOR ALL RUNWAY 16C APPROACHES, AND INCLUDE THE FOLLOWING ALERT:

SEATTLE-TACOMA INTERNATIONAL AIRPORT
ALERT NOTICE

ATTENTION ALL AIRCRAFT LANDING TO THE SOUTH:
WHEN TRANSITIONING FROM AN INSTRUMENT PROCEDURE TO A VISUAL APPROACH TO RUNWAY 16C, VERIFY YOU ARE ALIGNED FOR THE INTENDED LANDING RUNWAY NOT TAXIWAY TANGO. TAXIWAY TANGO IS WEST AND PARALLEL TO RUNWAY 16C.

TRANSITION TO VISUAL:
TAXIWAY TANGO HAS BEEN MISTAKEN FOR RUNWAY 16C FROM THE AIR DURING CERTAIN VISIBILITY CONDITIONS, I.E., WET RUNWAY, LOW SUN ANGLE REFLECTIONS. AIRCREWS ARE ADVISED TO BE AWARE OF THE PROXIMITY OF THE TAXIWAY TO RUNWAY 16C AND ITS RUNWAY-LIKE APPEARANCE WHILE ON APPROACH.

RECOMMENDATION:
AIRCREWS SHOULD USE VISUAL CUES, E.G., APPROACH LIGHTING SYSTEMS, REILS, WHEN AVAILABLE, TO CONFIRM ALIGNMENT WITH RUNWAY 16C NOT TAXIWAY TANGO. ADDITIONALLY, IT IS RECOMMENDED WHEN EXECUTING A SEGMENT OF THE ILS APPROACH FOR A VISUAL TRANSITION, TRACK THE LOCALIZER UNTIL THE RUNWAY ENVIRONMENT IS VISUALLY VERIFIED.

INSERT SEGMENTED AIRPORT DIAGRAM DEPICTING RUNWAY 16C AND TAXIWAY T.

CITY AND STATE SEATTLE, WA	ELEVATION: 433 AIRPORT NAME: SEATTLE-TACOMA INTL	TDZE: 16L 433 TDZE: 16C 430	FACILITY IDENTIFIER: SEA	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: VOR/DME RWY 16L/C ~~AMDT 14~~ 20 NOV 2008	SUP: VOR RWY 16L/C
					AMDT: 13C
					DATED: 09/28/2008

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION VOR/DME STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICE - FAR 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: BALNE/0.25 DME											
FACTS INT/SEA 18.01 DME (IAF)	MILLT INT/SEA 11.00 DME	340.66 / 7.01 (SEA R-161)	3000	CLIMB TO 2000 VIA SEA R-341 TO COYLA/4.69 DME/RADAR, DO NOT EXCEED 2000 UNTIL PASSING COYLA, THEN CLIMB TO 5000 VIA SEA R-341 TO MGNM/SEA 12.42 DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 5000.											
MILLT INT/SEA 11.00 DME (IF)	DONDO/4.29 DME	340.66 / 6.71 (SEA R-161)	1800												
				ADDITIONAL FLIGHT DATA: HOLD N, RT, 161.04 INBOUND. CHART FAS OBST: 573 TANK 472433N/1221736W CHART: 584 TWR 472149N/1221724W CHART VDP AT 1.10 DME; DISTANCE VDP TO THLD 1.26 MILES. DONDO TO RW34C: 2.93/55 FAC 398R OF RWY C/L EXTENDED 3000 FROM THLD.											
1. PT <u>NA</u> SIDE OF COURSE <u>OUTBOUND</u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. PROFILE STARTS AT FACTS INT/SEA 18.01 DME 3. FAC <u>340.66</u> FAF <u>DONDO/4.29 DME</u> DIST FAF TO MAP <u>—</u> THLD <u>4.44</u> 4. MIN. ALT <u>FACTS 6000, MILLT 3000, DONDO 1800</u> 8. MSA FROM: SEA VORTAC 360-160 6400, 160-250 2200, 250-360 3400										MAG VAR: <u> </u> EPOCH YEAR: <u> </u>					
MINIMUMS															
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE: NA		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-34C	840	2400	453	840	2400	453	840	4000	453	840	5000	453			
SIDESTEP 34R	840	6000	468	840	6000	468	840	6000	468	840	1 3/4	468			
CIRCLING	1000	1	567	1000	1	567	1000	1 1/2	567	1000	2	567			
NOTES: CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO SIDESTEP 34R CATS A AND B. CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT.															
CITY AND STATE		ELEVATION: 433		TDZE: 34C 387		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP			
SEATTLE, WA		AIRPORT NAME:		TDZE: 34R 372		SEA		VOR/DME RWY 34C, AMDT 1				AMDT ORIG			
		SEATTLE-TACOMA INTL						20 NOV 2008				DATE 12/20/2007			

 QUALITY
CHECKED

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE
FAR PART 97.29

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

TERMINAL ROUTES				MISSED APPROACH			
FROM	TO	COURSE AND DISTANCE	ALTITUDE				
EAU VORTAC	ELANE INT	163.00 / 41.27	3500	ILS: DA LOC: 6.64 MILES AFTER LS LOM OR AT LSE 1.04 DME FIX			
ELANE INT (IAF)	JONRO INT/LSE 14.00 DME	177.45 / 7.07 (I-LSE)	3500				
SHLGN/LSE 14.00 DME CW (IAF)	JONRO INT/LSE 14.00 DME	14.00 DME ARC (LSE LR-348)	3500	CLIMB TO 1400 THEN CLIMBING RIGHT TURN TO 3400 VIA LSE VOR/DME R-185 TO RONNI INT/LSE 6.50 DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3400; OR WHEN DIRECTED BY ATC, CLIMB TO 2400 THEN CLIMBING RIGHT TURN TO 3400 DIRECT ODI VORTAC AND HOLD S, RT, 357.54 INBOUND.			
BOOTY/LSE 14.00 DME CCW (IAF)	JONRO INT/LSE 14.00 DME	14.00 DME ARC (LSE LR-006)	3500				
JONRO INT/LSE 14.00 DME (IF)	LANIY INT/LSE 10.67 DME	177.45 / 3.33 (I-LSE)	3000	ADDITIONAL FLIGHT DATA: HOLD S, RT, 005.00 INBOUND. CHART: ALTERNATE MA HOLDING, HOLD S ODI VORTAC, RT, 357.54 INBOUND. CHART FAS OBST: 710 TREE 435409N/0911528W 1319 AAO 435930N/0911436W CHART LSE R-106 AT BOOTY. CHART LSE R-225 AT SHLGN. CHART IN PLANVIEW: ODI VORTAC.			
LANIY INT/LSE 10.67 DME	MINDI LOM/LSE 7.67 DME	177.45 / 3.00	2900				

1. PT <u>NA</u> SIDE OF COURSE <u>OUTBOUND</u> <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF)							
2. PROFILE STARTS AT JONRO							
3. FAC: <u>177.45</u> FAF: <u>MINDI LOM/LSE 7.67 DME</u> DIST FAF TO MAP: <u>6.64</u> THLD: <u>6.64</u>							
4. MIN. ALT: <u>JONRO 3500, LANIY 3000, MINDI LOM 2900</u>							
5. DIST TO THLD FROM OM: <u>6.64</u> MM: <u>-</u> IM: <u>-</u> 150 HAT: <u>-</u> 100 HAT: <u>-</u> GS ANT: <u>1050</u>							
6. MIN GS INCPT: <u>2900</u> GS ALT AT: <u>GS INTCP 2900</u> OM: <u>2864</u> MM: <u>-</u> IM: <u>-</u>							
7. GS ANGLE: <u>3.00</u> TCH: <u>55.0</u>							
8. MSA FROM: <u>LS LOM 090-270 3100, 270-090 3500</u>							

MINIMUMS															
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N A	ILS: STANDARD #	LOC: STANDARD @									
CATEGORY ==>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
S-ILS 18	853	1/2	200	853	1/2	200	853	1/2	200	853	1/2	200			
S-LOC 18	1080	1/2	427	1080	1/2	427	1080	3/4	427	1080	1	427			
CIRCLING	1180	1	525	1180	1	525	1440	2 1/4	785	1780	3	1125			

NOTES:

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE WINONA ALTIMETER SETTING AND INCREASE ALL DA 53 FEET, ALL MDA 60 FEET, INCREASE VISIBILITY CIRCLING CAT C 1/4.

CAT C 800-2 1/4, CAT D 1200-3
 @ CAT C 800-2 1/4, CAT D 1200-3
 # @ NA WHEN CONTROL TOWER CLOSED.

CITY AND STATE LA CROSSE, WI	ELEVATION: 655 TDZE: 653	FACILITY IDENTIFIER: I-LSE	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 18, AMDT 19 20 NOV 2008	SUP: ILS RWY 18
	AIRPORT NAME: LA CROSSE MUNI			AMDT: 18A
				DATED 05/12/2005

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION NDB STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICE - FAR 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: 6.64 MILES AFTER MINDI LOM							
LSE VOR/DME		MINDI LOM		356.44 / 7.67				3500		CLIMBING LEFT TURN TO 3500 DIRECT MINDI LOM AND HOLD. ADDITIONAL FLIGHT DATA: HOLD N, LT, 177.28 INBOUND. FAS OBST: 1459 AAO 435647N/0911358W MINDI LOM TO RW18: 3.11/55.							
ODI VORTAC		MINDI LOM		057.40 / 10.51				3500									
EAU VORTAC (IAF)		ELANE INT (NOPT)		163.00 / 41.27				3500									
ELANE INT (IF)		MINDI LOM		177.53 / 13.40				2900									
1. PT <u>R</u> SIDE OF COURSE <u>357.28</u> OUTBOUND <u>3500</u> FT WITHIN <u>10</u> MILES OF <u>MINDI LOM</u> (IAF) 2. _____ 3. FAC <u>177.28</u> FAF <u>MINDI LOM</u> DIST FAF TO MAP <u>6.64</u> THLD <u>6.64</u> 4. MIN. ALT <u>MINDI LOM 2900</u> 8. MSA FROM: <u>LS LOM 090-270 3100, 270-090 3500</u>														MAG VAR: 2E		EPOCH YEAR: 1985	
MINIMUMS																	
TAKEOFF: ☐ STANDARD ☒ X		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-18		1800	1 1/4	1147	1800	1 1/4	1147	1800	2 1/2	1147	1800	2 3/4	1147				
CIRCLING		1800	1 1/4	1145	1800	1 1/2	1145	1800	3	1145	1800	3	1145				
NOTES: CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE WINONA ALTIMETER SETTING AND INCREASE ALL MDA 60 FT. CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO S-18 CAT A.																	
CITY AND STATE		ELEVATION: 655 TDZE: 653		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:						SUP NDB OR GPS RWY					
LA CROSSE, WI		AIRPORT NAME:		LS		NDB RWY 18, AMDT 19						18					
		LA CROSSE MUNI				20 NOV 2008						DATE 08/15/1996					

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION VOR STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICE - FAR PART 97.23								Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.								
TERMINAL ROUTES										MISSED APPROACH						
FROM		TO		COURSE AND DISTANCE				ALTITUDE		MAP: 5.36 MILES AFTER MIXES INT/LSE 6.00 DME OR AT LSE 0.64 DME FIX CLIMB TO 1700 THEN CLIMBING RIGHT TURN TO 3100 VIA LSE VOR/DME R-175 TO SUEZI INT/LSE 6.00 DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3100. ADDITIONAL FLIGHT DATA: HOLD S, RT, 355.00 INBOUND. CHART FAS OBST: 749 TREE 435435N/0911555W CHART LSE R-225 AT SHLGN. CHART LSE R-106 AT BOOTY. MIXES INT TO RW13: 2.99/45. CHART TOUCHDOWN ZONE ELEVATION 655 CHART AIRPORT ELEVATION 655 FAC CROSSES RWY C/L EXTENDED 2980 FROM THLD.						
LSE VOR/DME		MIXES INT/LSE 6.00 DME		319.00 / 6.00				3500								
ODI VORTAC		MIXES INT/LSE 6.00 DME		064.18 / 5.94				3500								
BOOTY/LSE 14.00 DME CCW (IAF)		WUXER INT/LSE 14.00 DME (NOPT)		14.00 DME ARC				3500								
SHLGN/LSE 14.00 DME CW (IAF)		WUXER INT/LSE 14.00 DME (NOPT)		14.00 DME ARC				3500								
WUXER INT/LSE 14.00 DME (IF)		MIXES INT/LSE 6.00 DME		139.00 / 8.00 (LSE R-319)				2400								
1. PT <u> L </u> SIDE OF COURSE <u> 319.00 </u> OUTBOUND <u> 3500 </u> FT WITHIN <u> 10 </u> MILES OF <u> MIXES </u> (IAF) 2. _____ 3. FAC <u> 139.00 </u> FAF <u> MIXES INT/LSE 6.00 DME </u> DIST FAF TO MAP <u> 5.36 </u> THLD <u> 5.36 </u> 4. MIN. ALT <u> MIXES 2400 </u> 8. MSA FROM: <u> LSE VOR/DME 010-180 2800, 180-010 3500 </u>														MAG VAR: 2E EPOCH YEAR: 1985		
MINIMUMS																
TAKEOFF: ☐ STANDARD ☒ X		SEE FAA FORM 8260-15A FOR THIS AIRPORT						ALTERNATE: NA		STANDARD @						
CATEGORY =====>		A			B			C			D			E		
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	
S-13	1120	1	465	1120	1	465	1120	1 1/4	465	1120	1 1/2	465				
CIRCLING	1180	1	525	1180	1	525	1440	2 1/4	785	1780	3	1125				
NOTES: CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE WINONA ALTIMETER SETTING AND INCREASE ALL MDA 60 FEET, INCREASE S-13 CAT C AND D VISIBILITY 1/4 MILE, INCREASE CIRCLING CAT C VISIBILITY 1/4 MILE. @ CAT C 800-2 1/4, CAT D 1200-3 @ NA WHEN LOCAL WEATHER NOT AVAILABLE.																
CITY AND STATE LA CROSSE, WI				ELEVATION: 655 TDZE: 655 AIRPORT NAME: LA CROSSE MUNI		FACILITY IDENTIFIER: LSE		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: VOR RWY 13, AMDT 30 20 NOV 2008				SUP AMDT 29A DATE 05/12/2005				

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION VOR STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICE - FAR 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: 6.26 MILES AFTER RONNI INT/LSE 6.50 DME OR AT MAJZE/LSE 0.24 DME FIX CLIMB TO 1500 THEN CLIMBING LEFT TURN TO 3500 VIA LSE R-319 TO MIXES INT/LSE 6.00 DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3500. ADDITIONAL FLIGHT DATA: HOLD NW, RT, 139.00 INBOUND. CHART FAS OBST: 879 AAO 434855N/0911445W CHART 1532 TOWER 434517N/0911747W CHART VDP AT 1.76 DME; DISTANCE VDP TO THLD 1.52 MILES. CHART LSE R-225 AT SHLGN. CHART LSE R-106 AT BOOTY. RONNI INT TO RW36: 3.03/40. FAC CROSSES RWY C/L EXTENDED 3928 FROM THLD.									
LSE VOR/DME		RONNI INT/LSE 6.50 DME		185.00 / 6.50				3100											
ODI VORTAC		RONNI INT/LSE 6.50 DME		134.71 / 12.03				3100											
BOOTY/LSE 14.00 DME CW (IAF)		KAYGE/14.00 DME (NOPT)		14.00 DME ARC				3000											
SHLGN/LSE 14.00 DME CCW (IAF)		KAYGE/14.00 DME (NOPT)		14.00 DME ARC				3000											
KAYGE/14.00 DME (IF)		RONNI INT/LSE 6.50 DME		005.00 / 7.50 (LSE R-185)				2700											
1. PT <u>L</u> SIDE OF COURSE <u>185.00</u> OUTBOUND <u>3100</u> FT WITHIN <u>10</u> MILES OF <u>RONNI</u> (IAF) 2. _____ 3. FAC <u>005.00</u> FAF <u>RONNI INT/LSE 6.50 DME</u> DIST FAF TO MAP <u>6.26</u> THLD <u>6.26</u> 4. MIN. ALT <u>RONNI 2700</u> 8. MSA FROM: <u>LSE VOR/DME 010-180 2800, 180-010 3500</u>														MAG VAR: 2E		EPOCH YEAR: 1985			
MINIMUMS																			
TAKEOFF:		STANDARD		X		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-36		1160	1	507	1160	1	507	1160	1 1/2	507	1160	1 1/2	507						
CIRCLING		1160	1	505	1160	1	505	1440	2 1/4	785	1780	3	1125						
NOTES: CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE WINONA ALTIMETER SETTING AND INCREASE ALL MDA 60 FEET. INCREASE S-36 CAT D AND CIRCLING CAT C VISIBILITY 1/4 MILE.																			
CITY AND STATE		ELEVATION: 655 TDZE: 653		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:						SUP VOR OR GPS RWY							
LA CROSSE, WI		AIRPORT NAME:		LSE		VOR RWY 36, AMDT 31						36							
		LA CROSSE MUNI				20 NOV 2008						AMDT 30A							
												DATE 05/12/2005							

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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

(1) TAKEOFF MINIMUMS:

RWY 8, 17, 26, 35 NA - ENVIRONMENTAL.

RWY 12, STANDARD WITH MINIMUM CLIMB OF 400 FEET PER NM TO 1000 OR 700-3 WITH MINIMUM CLIMB OF 285 FEET PER NM TO 1400, OR 1100-2 1/2 FOR CLIMB IN VISUAL CONDITIONS.

RWY 30, STANDARD WITH MINIMUM CLIMB OF 500 FEET PER NM TO 600 OR 300-2 WITH MINIMUM CLIMB OF 205 FEET PER NM TO 1600, OR 1100 -2 1/2 FOR CLIMB IN VISUAL CONDITIONS.

(2) TEXTUAL DEPARTURE PROCEDURE:

RWY 12 - CLIMB HEADING 121.97 TO 1000 BEFORE PROCEEDING ON COURSE OR FOR CLIMB IN VISUAL CONDITIONS CROSS SOMERSET AIRPORT AT OR ABOVE 1100 BEFORE PROCEEDING ON COURSE.

RWY 30 - CLIMB HEADING 301.97 TO 1300 BEFORE PROCEEDING ON COURSE OR FOR CLIMB IN VISUAL CONDITIONS CROSS SOMERSET AIRPORT AT OR ABOVE 1100 BEFORE PROCEEDING ON COURSE.

(3) TAKEOFF OBSTACLE NOTES:

NOTE: RWY 12, TREES BEGINNING AT DER, 345' LEFT OF CENTERLINE, UP TO 100' AGL/219' MSL. TREES BEGINNING 600' FROM DER, LEFT TO RIGHT OF CENTERLINE, UP TO 100' AGL/219' MSL. TREES BEGINNING 3188' FROM DER, LEFT TO RIGHT OF CENTERLINE, UP TO 100' AGL/ 279' MSL.

NOTE: RWY 30, TREES BEGINNING AT DER, 85' RIGHT OF CENTERLINE, UP TO 100' AGL/199' MSL. TREES BEGINNING AT DER, 110' LEFT OF CENTERLINE, UP TO 99' AGL/199' MSL. TREES BEGINNING 1451' FROM DER, LEFT TO RIGHT OF CENTERLINE, UP TO 100' AGL/199' MSL. TREES BEGINNING 2748' FROM DER, 1147' LEFT OF CENTERLINE, UP TO 100' AGL/259' MSL.

(4) CONTROLLING OBSTACLES:

RWY 12: 719 MSL AAO 403654.17N-0743648.21W, 259' TREE 403715.17N-0743919.48W, 920 MSL TOWER 403641.00N-0743411.00W

RWY 30: 259 MSL TREE 403734.97N-0744109.44W, 339 MSL AAO 403831.64N-0744223.01W, 1159 MSL AAO 404124.92N-0744808.73W

RWY 12, 30 (VCOA): 819 MSL AAO 403806.19N-0743623.30W

(5) City, State

SOMERVILLE, NJ

(6) Airport

SOMERSET

(7) Effective Date

18 DEC 2008

(8) Amdt. No.

3

DEPARTMENT OF TRANSPORTATION

14 CFR Part 97

[Docket No. 30632 ; Amdt. No. 3291]

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 DATE OF 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: Harry J. Hodges, Flight Procedure Standards Branch (AFS-420) Flight Technologies and Programs Division, Flight Standards Service, Federal Aviation Administration, Mike Monroney Aeronautical Center, 6500 South MacArthur Blvd., Oklahoma City, OK. 73169 (Mail Address: P.O. Box 25082 Oklahoma City, OK. 73125) telephone: (405) 954-4164.

SUPPLEMENTARY INFORMATION: This rule amends Title 14, Code of Federal Regulations, Part 97 (14 CFR part 97) by amending the referenced SIAPs. The complete regulatory description of each SIAP is listed on the appropriate FAA Form 8260, as modified by the National Flight Data Center (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.

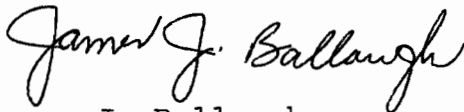
CONCLUSION

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 October 3, 2008



James J. Ballough
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, ISMLS, MLS/DME, MLS/RNAV; §97.31 RADAR SIAPs; §97.33 RNAV SIAPs; and §97.35 COPTER SIAPs, Identified as follows: EFFECTIVE UPON PUBLICATION

FDC Date	STATE	CITY	AIRPORT	FDC NUMBER	SUBJECT
09/25/08	CO	RIFLE	GARFIELD COUNTY REGIONAL	8/0726	RNAV (RNP) Z RWY 26, ORIG
09/25/08	CO	RIFLE	GARFIELD COUNTY REGIONAL	8/0727	RNAV (RNP) Y RWY 26, ORIG
09/25/08	MI	DETROIT	DETROIT METROPOLITAN WAYNE COUNTY	8/0752	ILS OR LOC RWY 21L, AMDT 10
09/30/08	CA	BURBANK	BOB HOPE	8/0914	RNAV (GPS) RWY 8, ORIG-B
09/25/08	MS	GULFPORT	GULFPORT-BILOXI INTL	8/0963	ILS OR LOC RWY 14, AMDT 14
09/25/08	MS	GULFPORT	GULFPORT-BILOXI INTL	8/0968	RNAV (GPS) RWY 14, ORIG
09/25/08	MS	GULFPORT	GULFPORT-BILOXI INTL	8/0969	VOR/DME OR TACAN RWY 14, AMDT 3
09/25/08	AK	NOME	NOME	8/0990	ILS OR LOC/DME Y RWY 28, AMDT 3A
09/25/08	AK	NOME	NOME	8/0991	LOC/DME BC RWY 10, AMDT 3
09/25/08	AK	NOME	NOME	8/0992	ILS OR LOC/DME Z RWY 28, AMDT 3A
09/30/08	NY	NEW YORK	JOHN F KENNEDY INTL	8/1067	RNAV (GPS) Y RWY 22L, AMDT 1A
09/26/08	CO	DENVER	FRONT RANGE	8/1092	ILS OR LOC RWY 26, AMDT 4
09/26/08	OR	MEDFORD	ROGUE VALLEY INTL-MEDFORD	8/1098	RNAV (GPS) D, ORIG-B
09/26/08	OR	MEDFORD	ROGUE VALLEY INTL-MEDFORD	8/1099	RNAV (GPS) RWY 14, ORIG
09/26/08	MS	LOUISVILLE	LOUISVILLE-WINSTON COUNTY	8/1154	TAKEOFF MINIMUMS AND (OBSTACLE) DP, AMDT 2
09/29/08	MN	CROOKSTON	CROOKSTON MUNI/KIRKWOOD FLD	8/1442	RNAV (GPS) RWY 31, ORIG
09/29/08	MN	LONG PRAIRIE	TODD FIELD	8/1443	RNAV (GPS) RWY 34, ORIG
09/30/08	KY	LOUISVILLE	LOUISVILLE INTL-STANDIFORD FLD	8/1586	ILS OR LOC RWY 35R, AMDT 3
09/30/08	CA	ONTARIO	ONTARIO INTL	8/1707	RNAV (GPS) RWY 8R, AMDT 1A
09/30/08	CA	ONTARIO	ONTARIO INTL	8/1709	RNAV (GPS) Y RWY 8L, AMDT 1
09/18/08	VA	STAUNTON/WAYNESBORO/HARRISONBURG	SHENANDOAH VALLEY REGIONAL	8/8994	ILS RWY 5, AMDT 8A

09/18/08	VA	STAUNTON/ WAYNESBORO/ HARRISONBURG	SHENANDOAH VALLEY REGIONAL	8/8995	NDB OR GPS RWY 5, AMDT 9B

FDC 8/0726 RIL FI/P GARFIELD COUNTY REGIONAL, RIFLE, CO. RNAV (RNP) Z RWY 26, ORIG...CHART 5551 GRD 393132N/1074250W. THIS IS RNAV (RNP) Z RWY 26, ORIG-A.

FDC 8/0727 RIL FI/P GARFIELD COUNTY REGIONAL, RIFLE, CO. RNAV (RNP) Y RWY 26, ORIG...CHART 5551 GRD 393132N/1074250W. THIS IS RNAV (RNP) Y RWY 26, ORIG-A.

FDC 8/0752 DTW FI/P DETROIT METROPOLITAN WAYNE COUNTY, DETROIT, MI. ILS OR LOC RWY 21L, AMDT 10...DELETE NOTE: CHART NOTE: **RVR 1800 AUTHORIZED WITH USE OF FD OR HUD TO DA. ADD NOTE: CHART NOTE: **RVR 1800 AUTHORIZED WITH THE USE OF FD OR AP OR HUD TO DA. THIS IS ILS OR LOC RWY 21L, AMDT 10A

FDC 8/0914 BUR FI/P BOB HOPE, BURBANK, CA. RNAV (GPS) RWY 8, ORIG-B...LNAV MDA 1600/HAT 873 ALL CATS. CIRCLING MDA 1600/HAA 822 ALL CATS. CHART SILEX (IF/IAF). CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. ALTERNATE MINIMUMS: CATS A/B 900-2, CAT C 900-2 1/2, CAT D 900-2 3/4. THIS IS RNAV (GPS) Y RWY 8, ORIG-C.

FDC 8/0963 GPT FI/P GULFPORT-BILOXI INTL, GULFPORT, MS. ILS OR LOC RWY 14, AMDT 14...DELETE NOTE: FOR INOPERATIVE SSALR INCREASE S-ILS 14 CAT E VISIBILITY TO RVR 4000 AND S-LOC 14 CAT E VISIBILITY TO 1 1/2 MILE. CHART NOTE: FOR INOPERATIVE MALSR INCREASE S-ILS 14 CAT E VISIBILITY TO RVR 4000 AND S-LOC 14 CAT E VISIBILITY TO 1 1/2 MILE. CHART NOTE: RVR 1800 AUTHORIZED WITH THE USE OF FD OR AP OR HUD TO DA. ADD ATTENTION SYMBOL TO MAKE NOTE APPLY TO S-ILS 14 LINE OF MINIMUMS. CHART: ALTERNATE MA HOLDING, HOLD NW BAYOU (GP) LOM, RT, 133.53 INBOUND. THIS IS ILS OR LOC RWY 14, AMDT 14A.

FDC 8/0968 GPT FI/P GULFPORT-BILOXI INTL, GULFPORT, MS. RNAV (GPS) RWY 14, ORIG...CIRCLING VIS CAT A/B 1. DELETE NOTE: FOR INOPERATIVE SSALR INCREASE LNAV CAT D VISIBILITY TO RVR 6000. CHART NOTE: FOR INOPERATIVE MALSR INCREASE LNAV CAT D VISIBILITY TO RVR 6000. THIS IS RNAV (GPS) RWY 14, ORIG-A.

FDC 8/0969 GPT FI/P GULFPORT-BILOXI INTL, GULFPORT, MS. VOR/DME OR TACAN RWY 14, AMDT 3...DELETE NOTE: FOR INOPERATIVE SSALR INCREASE S-14 CAT D VISIBILITY TO RVR 6000 AND CAT E TO 1 1/2 MILE. CHART NOTE: FOR INOPERATIVE MALSR INCREASE S-14 CAT D VISIBILITY TO RVR 6000 AND CAT E VISIBILITY TO 1 1/2 MILE. THIS IS VOR/DME OR TACAN RWY 14, AMDT 3A.

FDC 8/0990 OME FI/P NOME, NOME, AK. ILS OR LOC/DME Y RWY 28, AMDT 3A...ALTERNATE MINIMUMS NA. THIS IS ILS OR LOC/DME Y RWY 28, AMDT 3B.

FDC 8/0991 OME FI/P NOME, NOME, AK. LOC/DME BC RWY 10, AMDT 3...ALTERNATE MINIMUMS NA. THIS IS LOC/DME BC RWY 10, AMDT 3A.

FDC 8/0992 OME FI/P NOME, NOME, AK. ILS OR LOC/DME Z RWY 28, AMDT 3A...ALTERNATE MINIMUMS NA. THIS IS ILS OR LOC/DME Z RWY 28, AMDT 3B.

FDC 8/1067 JFK FI/P JOHN F KENNEDY INTL, NEW YORK, NY. RNAV (GPS) Y RWY 22L, AMDT 1A...DELETE NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 49C (120F). CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -13C (8F) OR ABOVE 49C (120F). MSA FROM RW22L 2900. THIS IS RNAV (GPS) Y RWY 22L, AMDT 1B.

FDC 8/1092 FTG FI/P FRONT RANGE, DENVER, CO. ILS OR LOC RWY 26, AMDT 4...DELETE PLANVIEW NOTE: ADF REQUIRED. CHART PLANVIEW NOTE: ADF OR DME REQUIRED. THIS IS ILS OR LOC RWY 26, AMDT 4A.

FDC 8/1098 MFR FI/P ROGUE VALLEY INTERNATIONAL - MEDFORD, MEDFORD, OR. RNAV (GPS) D, ORIG-B...CHART NOTE: DME/DME RNP-0.3 NOT AUTHORIZED. ALTERNATE MINIMUMS CATS A/B 2300-2, CATS C/D 2300-3. THIS IS RNAV (GPS) D, ORIG-C.

FDC 8/1099 MFR FI/P ROGUE VALLEY INTERNATIONAL - MEDFORD, MEDFORD, OR. RNAV (GPS) RWY 14, ORIG...DELETE NOTE: GPS OR RNP-0.3 REQUIRED. ALTERNATE MINIMUMS CATS A/B 1100-2, CATS C/D 1100-3. THIS IS RNAV (GPS) RWY 14, ORIG-A.

FDC 8/1154 LMS FI/P LOUISVILLE-WINSTON COUNTY, LOUISVILLE, MS. TAKE-OFF AND (OBSTACLE) DEPARTURE PROCEDURES AMDT 2. TAKE-OFF MINIMUMS: RWY 17, 500-2 1/4 OR STANDARD WITH A MINIMUM CLIMB OF 400 FT PER NM TO 1100. DELETE REFERENCE TO RWY19. DEPARTURE PROCEDURE: RWY 17, CLIMB HEADING 169.98 TO 1100 BEFORE TURNING LEFT. NOTE: RWY 17, TOWER 1.7 NM FROM DER, 2209 LEFT OF CENTERLINE, 410 AGL/950 MSL. THIS IS TAKE-OFF AND (OBSTACLE) DEPARTURE PROCEDURES AMDT 2A.

FDC 8/1442 CKN FI/P CROOKSTON MUNI/KIRKWOOD FLD, CROOKSTON, MN. RNAV (GPS) RWY 31, ORIG...LPV DA CAT C VISIBILITY 1. THIS IS RNAV (GPS) RWY 31, ORIG-A.

FDC 8/1443 14Y FI/P TODD FIELD, LONG PRAIRIE, MN. RNAV (GPS) RWY 34, ORIG...CHANGE ALTIMETER SETTING NOTE TO READ: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ALEXANDRIA ALTIMETER SETTING. DELETE ALEXANDRIA ASOS. THIS IS RNAV (GPS) RWY 34, ORIG-A.

FDC 8/1586 SDF FI/P LOUISVILLE INTL-STANDIFORD FLD, LOUISVILLE, KY. ILS OR LOC RWY 35R, AMDT 3...CHANGE DME MINIMUMS TO READ HOSTO FIX MINIMUMS. THIS IS ILS OR LOC RWY 35R, AMDT 3A.

FDC 8/1707 ONT FI/P ONTARIO INTL, ONTARIO, CA. RNAV (GPS) RWY 8R, AMDT 1A...LNAV/VNAV DA 1494/HAT 558 ALL CATS. VISIBILITY 2 ALL CATS. DELETE NOTE: BARO-VNAV NA BELOW -16C (4F) CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C (4F) OR ABOVE 47C (116F). DELETE WAAS SYMBOL. THIS IS RNAV (GPS) RWY 8R, AMDT 1B.

FDC 8/1709 ONT FI/P ONTARIO INTL, ONTARIO, CA. RNAV (GPS) Y RWY 8L, AMDT 1...LPV DA 1227/HAT 283 ALL CATS. DISTANCE TO THLD FROM 283 HAT: 0.75NM. LNAV/VNAV DA 1520 /HAT 576 ALL CATS. VISIBILITY 2 ALL CATS. THIS IS RNAV (GPS) Y RWY 8L, AMDT 1A.

FDC 8/8994 SHD FI/P SHENANDOAH VALLEY REGIONAL, STAUNTON/WAYNESBORO/HARRISONBURG, VA. ILS RWY 5, AMDT 8A...TERMINAL ROUTE CEROL TO STAUT (SH) LOM MINIMUM ALTITUDE 4500. TERMINAL ROUTE TURGA TO STAUT (SH) LOM MINIMUM ALTITUDE 5100. CHART NOTE: AUTOPILOT COUPLED APPROACH NA BELOW 1494 FEET. CIRCLING MDA CAT D 1820/HAA 619. CHART PROCEDURE TURN MAXIMUM ENTRY ALTITUDE 6000. CHART MSA FROM STAUT (SH) LOM 360-180 5200, 180-360 5700. ALTERNATE MINIMUMS: ILS: STANDARD, EXCEPT CAT D 700-2, LOC: STANDARD. THIS IS ILS OR LOC RWY 5, AMDT 8B.

FDC 8/8995 SHD FI/P SHENANDOAH VALLEY REGIONAL, STAUNTON/WAYNESBORO/HARRISONBURG, VA. NDB OR GPS RWY 5, AMDT 9B...CHART PROCEDURE TURN MAXIMUM ENTRY ALTITUDE 6000. TERMINAL ROUTE CEROL TO STAUT (SH) LOM MINIMUM ALTITUDE 4500. TERMINAL ROUTE TURGA TO STAUT (SH) LOM MINIMUM ALTITUDE 5100. S-5 MDA 1760/HAT 577 ALL CATS. CIRCLING CAT A/B/C MDA 1760/HAA 559, CAT D 1820/HAA 619. CHART MSA FROM : STAUT (SH) LOM 360-180 5200, 180-360 5700. ALTERNATE MINIMUMS: STANDARD. THIS IS NDB OR GPS RWY 5, AMDT 9C.