U.S. Department
of Transportation

**Federal Aviation
Administration**

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

Transmittal Letter 97-07 **March 7, 1997**

PREPARED BY THE NATIONAL FLIGHT DATA CENTER, ATA-100

The enclosed Standard Instrument Approach Procedures, Departure Procedures/Takeoff Minimums, and Fix Actions are effective as indicated. Further, the fix actions listed below are effective concurrent with the instrument approach procedures involved in this amendment notwithstanding the 56-day cycle amendment to Non-compulsory Radio Fixes.

ESTABLISH

QWOTE, DE:	39-40-28.72N, 075-39-00.07W CHART: AL
FLNTF WP, IN:	39-26-58.10N, 087-17-49.73W CHART: AL

MODIFIED

GLEEM, DE:	39-40-09.10N, 075-42-59.61W CHART: AL
CORIE WP, IN:	39-19-53.77N, 087-08-42.09W CHART: AL

CANCELLED

LOTON, MI:	CHART: AL

The following are corrected copies of procedures published in Transmittal Letters 97-03, 97-04, 97-05 and 97-06.

Talkeetna, AK, Talkeetna, GPS RWY 36, Orig
Hollywood, FL, North Perry, GPS RWY 9R, Orig
Olathe, KS, Johnson County Executive, NDB RWY 36, Orig
Gwinn, MI, Sawyer, VOR/DME-A, Orig
Ely, MN, Ely Muni, Departure Procedures/Takeoff Minimums, Amdt 2
Lee's Summit, MO, Lee's Summit Muni, GPS RWY 29, Orig
Prague, OK, Prague Muni, GPS RWY 17, Orig
Logan, UT, Logan-Cache, GPS RWY 35, Orig
Necedah, WI, Necedah, NDB RWY 36, Amdt 1
Necedah, WI, Necedah, GPS RWY 36, Orig
Phillips, WI, Price County, GPS RWY 19, Orig

DEPARTMENT OF THE ARMY
AERONAUTICAL SERVICES OFFICE
(Not Published in FAR 97)

Alexandria, LA, Alexandria Intl, RADAR-1, Orig, CANCELLED

The following proposed procedures are provided as an advance planning aid to producers of aeronautical charts. New forms shall be provided following the flight check of the procedures and facilities to firmly establish such dates and other amended data as required.

New York, NY, John F. Kennedy Intl, ILS RWY 4L, Amdt 9

The following fix actions, related to the above proposed procedures, are provided as an advance copy to aid producers of aeronautical charts.

ESTABLISH

KRSTL, NY:	40-33-44.11N, 073-49-55.92W CHART: AL

MODIFIED

DUFFY, NY:	40-47-28.60N, 073-31-21.39W CHART: AL

FATHO, NJ: 40-25-36.97N, 073-56-14.20W
CHART: AL

CANCELLED

TILDI, NY: CHART: AL

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION - FLIGHT OPERATIONS
DEPARTURE PROCEDURES/TAKEOFF MINIMUMS

Stuart, FL, Witham Field, Amdt 1
Canandaigua, NY, Canandaigua, Orig
Johnstown, NY, Fulton County, Amdt 1
Currituck, NC, Currituck County, Orig
Newbern, NC, Craven County Regional, Amdt 2
Fairview, OK, Fairview Muni, Amdt 2
Plainview, TX, Hale County, Amdt 1, CANCELLED
Wichita Falls, TX, Sheppard AFB/Wichita Falls Muni, Amdt 1
Charlottesville, VA, Charlottesville-Albermarle, Amdt 7

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

GPS RNAV

STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICE - FAR PART 97. 33

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

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
EGRAM WP	15.00 ATD TO JOZPO WP	170.25/23.63 ←	5000
15.00 ATD TO JOZPO WP	JOZPO WP	170.05/15.00	3100
URTOW WP (IAF)	JOZPO WP (NOPT)	297.94/9.51	3100
JOZPO WP	EZZOL WP	001.90/5.00	2000

MISSED APPROACH

MAP: RW36

CLIMBING LEFT TURN TO 3100 DIRECT JOZPO WP AND HOLD.

ADDITIONAL FLIGHT DATA:

FAS OBST: 659 TREE 621837/1500514

1. PT NA SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD S JOZPO WP, RT, 001.90 INBOUND 3100FT IN-LIEU-OF-PT (IAF).
3. FAC 001.97 FAF EZZOL WP DIST FAF TO MAP - THLD 5.00
4. MIN. ALT JOZPO WP 3100, EZZOL WP 2000
8. MSA FROM: RW36 7800

MAG VAR: 25E EPOCH YEAR: 80

MINIMUMS

TAKEOFF: | | STANDARD | X | SEE FAA FORM 8260-15 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-36	1000	1	648	1000	1	648	1000	1 3/4	648	1000	2	648			
CIRCLING	1000	1	642	1000	1	642	1000	1 3/4	642	1000	2	642			

NOTES: OBTAIN LOCAL ALTIMETER SETTING ON CTAF, WHEN NOT RECEIVED, PROCEDURE NA.

This is a corrected copy of a procedure in TL 97-06.

CITY AND STATE	ELEVATION: 358 TDZE: 352 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP
TALKEETNA, AK	TALKEETNA	GPS	22 MAY 97 GPS RWY 36, ORIG.	AMDT NONE
				DATE

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

GPS RNAV

STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICE - FAR PART 97. 33

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
ABILY WP (IAF)	HOSFU WP	094.23/7.44	1600

THIS IS A CORRECTED COPY OF A PROCEDURE PUBLISHED IN TL 97-05.

MISSED APPROACH

MAP: RW09R

CLIMB TO 2000 DIRECT JANUS WP AND HOLD.

ADDITIONAL FLIGHT DATA:

HOLD SW, RT, 058 INBOUND.
FAS OBST: 219 TANK 260001/0801514
CHART: KOPF AIRPORT

MIRL 9R-27L, 18R-36L
VASI 18L, 18R, 9L, 9R, 36L, 36R, 27L, 27R.
1049 ANTENNA 255816/0801231.
1049 ANTENNA 255935/0801026.

1. PT NA SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT ABILY WP.
3. FAC 094.29 FAF HOSFU WP DIST FAF TO MAP - THLD 5.00
4. MIN. ALT ABILY WP 2000, HOSFU WP 1600
8. MSA FROM: RW09R 2100

MAG VAR: 4W EPOCH YEAR: 1995

MINIMUMS

TAKEOFF: | | STANDARD | X | SEE FAA FORM 8260-15 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-9R	920	1 1/4	911	920	1 1/4	911	920	2 3/4	911		NA				
CIRCLING	920	1 1/4	911	920	1 1/4	911	920	2 3/4	911		NA				
FT LAUDERDALE-HOLLYWOOD ALTIMETER SETTING MINIMUMS															
S-9R	940	1 1/4	931	940	1 1/4	931	940	2 3/4	931		NA				
CIRCLING	940	1 1/4	931	940	1 1/4	931	940	2 3/4	931		NA				

NOTES: WHEN LOCAL ALTIMETER NOT RECEIVED, USE FT LAUDERDALE-HOLLYWOOD ALTIMETER SETTING.

CITY AND STATE	ELEVATION: 9 TDZE: 9 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP
HOLLYWOOD, FL	NORTH PERRY	GPS	27 MAR 97 GPS RWY 9R, ORIG	AMDT NONE
				DATE

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

NDB

STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICE - FAR PART 97. 27

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
BUM VORTAC	PK LOM	330.97 / 31.12	3100

THIS IS A CORRECTED COPY OF A PROCEDURE PUBLISHED IN TL 97-06

MISSED APPROACH

MAP: 5.33 NM AFTER PK LOM

CLIMB TO 2700 DIRECT OJ LOM AND HOLD.

ADDITIONAL FLIGHT DATA:

FAS OBST: 1229 TREE 384522 / 944451

CHART: 1198 TANK 384834.37 / 944324.54

HOLD N, RT 17 6 INBOUND.

1. PT L SIDE OF COURSE 175.62 OUTBOUND 2700 FT WITHIN 10 MILES OF PK LOM (IAF)
2.
3. FAC 355.62 FAF PK LOM DIST FAF TO MAP 5.33 THLD 5.33
4. MIN. ALT PK LOM 2700
8. MSA FROM: PK LOM 3100

MAG VAR: 4E EPOCH YEAR: 00

MINIMUMS

TAKEOFF: X STANDARD | SEE FAA FORM 8260-15 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-35	1540	3/4	455	1540	3/4	455		N/A			N/A				
CIRCLING	1540	1	444	1560	1	464		N/A			N/A				
KANSAS CITY DOWNTOWN ALTIMETER SETTING MINIMUMS															
S-35	1620	3/4	535	1620	3/4	535		N/A			N/A				
CIRCLING	1640	1	544	1640	1	544		N/A			N/A				

NOTES:
WHEN CONTROL TOWER CLOSED USE KANSAS CITY DOWNTOWN ALTIMETER SETTING

CITY AND STATE	ELEVATION: 1096 TDZE: 1085 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP
OLATHE, KS	JOHNSON COUNTY EXECUTIVE	PK	27 MAR 97 NDB RWY 36, ORIG	AMDT NONE
				DATE

AIRPORT:SAWYER CITY:GWINN STATE:MI APT ELEV:1220
SIAP:VOR/DME-A AMDT:0RIG EFFECTIVE DATE: 27 MAR 97
SUP: AMDT:NONE EFFECTIVE DATE:
RUNWAY: TDZ ELEV: FACILITY:MQT VOR/DME FAC ELEV:1450 FAC VARIATION:2 YEAR:1970

FROM	TO	COURSE	DISTANCE	ALTITUDE
STRAIGHT INTERMEDIATE				
MQT VOR/DME	LEVNN/ 7.50 DME	145.07	7.50	3000

PLANVIEW NOTES: NOPT FOR ARRIVAL ON MQT VOR/DME AIRWAY RADIAL 318

HOLDING IN LIEU OF PT
IAF MQT VOR/DME , HOLD NW, RIGHT TURN, 145.07 INBOUND, 3300

FAC:145.07 FAF:LEVNN/ 7.50 DME DIST FAF TO: MAP: THLD: DIST SDF TO: MAP: THLD:
MIN ALT:MQT VOR/DME,3300 ,;LEVNN/ 7.50 DME,3000 .

MAP:MQT R-145/12.44 DME
MISSED APPROACH:
CLIMBING RIGHT TURN TO 3300 VIA MQT R-145 TO MQT VOR/DME
AND HOLD

MA HOLDING: HOLD NW, RIGHT TURN, 145.07 INBOUND

MSA: FROM MQT VORDME , WITHIN 25.00 , 3700

MINIMUMS	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
CIRCLING	1720	1	500	1720	1	500	1720	1.5	500	1780	2	500		N/A	
MARQUETTE ALTIMETER SETTING MINIMUMS															
CIRCLING	1780	1	560	1780	1	560	1780	1.5	560	1780	2	560		N/A	

TAKEOFF MINIMUMS:SEE 8260-15 FOR THIS AIRPORT

ALTERNATE MINIMUMS:NA

NOTES:
OBTAIN LOCAL ALTIMETER SETTING ON CTAF; WHEN NOT RECEIVED, USE
MARQUETTE ALTIMETER SETTING

ADDITIONAL FLIGHT DATA:
FAS OBST: 1399 TREES 462226/872349

This is a corrected copy of a procedure in TL 97-06.

BEARINGS, HEADINGS, COURSES AND RADIALS ARE MAGNETIC. ELEVATIONS AND ALTITUDES ARE IN FEET, MSL, EXCEPT HAT, HAA, AND RA.
ALTITUDES ARE MINIMUM ALTITUDES UNLESS OTHERWISE INDICATED. CEILINGS ARE 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

DEPARTURE PROCEDURES / TAKEOFF MINIMUMS

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COORDINATED WITH:

ATA	AAT	ALPA	APA	AOP	NBA	OTHER (specify)
				X	X	X CHI FPO, AGL-530, ZMP, AMGR

TAKEOFF MINIMUMS:

RWY 30 STANDARD.
RWY 12 300-1 OR STANDARD WITH MINIMUM CLIMB OF 200' PER NM TO 1600.

IFR DEPARTURE PROCEDURE:

RWY 30 NORTHBOUND DEPARTURES CLIMB RWY HEADING TO 2000 BEFORE TURNING

TAKEOFF OBSTACLES:

RWY 12 1569 TREES 474903/914834.

DEPARTURE OBSTACLES:

2000 TOWER 475301/915032.

This is a corrected copy of a procedure in TL 97-03.

DEVELOPED BY		APPROVED BY	
SIGNATURE: DONALD W. FINNEY	DATE: FIFO: AVN-140D	SIGNATURE: for JOSEPH E. ROONEY	DATE: NOV 21 1996 FIFO: AVN-140

CITY AND STATE	AIRPORT	EFFECTIVE DATE	AMDT. NO.
ELY, MN	ELY MUNI	27 MAR 97	2

FAA FORM 8260 - 15 / May 1993 (computer generated)

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

GPS RNAV

STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICE - FAR PART 97. 33

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
ANX VORTAC	PUKAS WP	207.58/12.14	2600
HODEN WP (IAF)	PUKAS WP (NOPT)	290.46/13.33	2600

THIS IS A CORRECTED COPY OF A PROCEDURE PUBLISHED IN TL 97-04

MISSED APPROACH

MAP: RW29

CLIMBING RIGHT TURN TO 3000 DIRECT ANX VORTAC AND HOLD.

ADDITIONAL FLIGHT DATA:

HOLD E, RT, 268 INBOUND.
FAS OBST: 1119 TREE 385611/941800

1. PT NA SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD E OF PUKAS WP, RT, 289.45 INBOUND, 2600 IN LIEU OF PT (IAF).
3. FAC 289.45 FAF PUKAS WP DIST FAF TO MAP - THLD 5.00
4. MIN. ALT PUKAS WP 2600
8. MSA FROM: RW29 3100

MAG VAR: 4E EPOCH YEAR: 95

MINIMUMS

TAKEOFF: X STANDARD ____ SEE FAA FORM 8260-15 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-29	1380	1	376	1380	1	376	1380	1	376		NA				
CIRCLING	1420	1	416	1540	1	536	1540	1 1/2	536		NA				
KANSAS CITY DOWNTOWN ALTIMETER SETTING MINIMUMS															
S-29	1460	1	456	1460	1	456	1460	1 1/4	456		NA				
CIRCLING	1500	1	496	1600	1	596	1600	1 1/2	596		NA				

NOTES:

OBTAIN LOCAL ALTIMETER ON CTAF, WHEN NOT RECEIVED, USE KANSAS CITY DOWNTOWN ALTIMETER SETTING.

CITY AND STATE	ELEVATION: 1004 TDZE: 1004 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP
LEE'S SUMMIT, MO	LEE'S SUMMIT MUNI	GPS	27 MAR 97 GPS RWY 29, ORIG	AMDT NONE
				DATE

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

GPS RNAV

STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICE - FAR PART 97. 33

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
TOTES WP (IAF)	REXEC WP	110.18/14.22	2900
BARNS WP (IAF)	REXEC WP	241.97/14.21	2900
REXEC WP	OYEHE WP	174.00/5.00	2600

THIS IS A CORRECTED COPY OF A PROCEDURE PUBLISHED IN TL 97-06

MISSED APPROACH

MAP: RW17

CLIMB TO 2000 THEN CLIMBING LEFT TURN TO 2900 DIRECT REXEC WP AND HOLD.

ADDITIONAL FLIGHT DATA:

HOLD N, RT, 174.00 INBOUND

FAS OBST: 1210 TOWER 353309/0964358

1. PT NA SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT REXEC WP
3. FAC 174.00 FAF OYEHE WP DIST FAF TO MAP - THLD 5.00
4. MIN. ALT REXEC WP 2900, OYEHE WP 2600
8. MSA FROM: RW17 3000

MAG VAR: 6 E EPOCH YEAR: 95

MINIMUMS

TAKEOFF: X STANDARD | SEE FAA FORM 8260-15 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-17	1660	1	618	1660	1	618	1660	1 3/4	618		NA				
CIRCLING	1660	1	618	1660	1	618	1660	1 3/4	618		NA				

NOTES: USE OKLAHOMA CITY/WILL ROGERS WORLD ALTIMETER SETTING

CITY AND STATE	ELEVATION: AIRPORT	TDZE:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	
PRAGUE, OK	1042 PRAGUE MUNI	1042	GPS	22 MAY 97 GPS RWY 17, ORIG	SUP / AMDT NONE / DATE

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

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STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICE - FAR PART 97. 33

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
CORIN INT	HILJI WP	087.71/6.15	11000
HILJI WP (IAF)	EPSAC WP	076.56/10.00	9300
EPSAC WP	8.00 ATD TO UHINE WP	346.71/2.00	8700
8.00 ATD TO UHINE WP	3.00 ATD TO UHINE WP	346.71/5.00	7200
3.00 ATD TO UHINE WP	UHINE WP	346.71/3.00	6300

MISSED APPROACH

MAP: RW35

CLIMB TO 10100 VIA 335 COURSE TO ORNEY WP, THEN VIA 282 COURSE TO MLD VOR/DME AND HOLD.

ADDITIONAL FLIGHT DATA:

HOLD SE, RT, 328 INBOUND
FAS OBST: 4653 TOWER 414322/1115213

1. PT NA SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT EPSAC WP
3. FAC 346.72 FAF UHINE WP DIST FAF TO MAP - THLD 5.00
4. MIN. ALT EPSAC WP 9300, 8.00 ATD TO UHINE 8700, 3.00 ATD TO UHINE 7200, UHINE WP 6300
8. MSA FROM: RW35 11000

MAG VAR: 16E EPOCH YEAR: 80

MINIMUMS

TAKEOFF: [ ] STANDARD [X] SEE FAA FORM 8260-15 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-35	4960	1	506	4960	1	506	4960	1 1/2	506	4960	1 1/2	506			
CIRCLING	4960	1	506	4960	1	506	4960	1 1/2	506	5020	2	566			

NOTES:
OBTAIN LOCAL ALTIMETER SETTING ON CTAF; WHEN NOT RECEIVED. PROCEDURE NOT AUTHORIZED
CIRCLING NA E OF RWY 17-35

THIS IS A CORRECTED COPY OF A PROCEDURE PUBLISHED IN TL 97-06

CITY AND STATE	ELEVATION: 4454 TDZE: 4454 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP
LOGAN, UT	LOGAN-CACHE	GPS	22 MAY 97 GPS RWY 35, ORIG	AMDT NONE
				DATE

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

NDB

STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICE - FAR PART 97. 27

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
HURST INT	DAF NDB	042.61/7.87	2600

MISSED APPROACH

MAP: DAF NDB

CLIMBING RIGHT TURN TO 2600 IN DAF NDB HOLDING PATTERN.

ADDITIONAL FLIGHT DATA:

HOLD S, RT, 003 INBOUND.
FAS OBST: 1199 TREE 440120/900427
CHART: R-6904A, R-6904B
KISW ASOS ←
FAC 423 R OF RWY S/L EXTENDED 3000 FROM THR.

1. PT L SIDE OF COURSE 183.00 OUTBOUND 2600 FT WITHIN 10 MILES OF DAF NDB (IAF)
2.
3. FAC 003.00 FAF DIST FAF TO MAP THLD
4. MIN. ALT
8. MSA FROM: DAF NDB 3200

MAG VAR: 1W EPOCH YEAR: 00

MINIMUMS

TAKEOFF: X STANDARD SEE FAA FORM 8260-15 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-36	1620	1	701	1620	1	701		NA			NA				
CIRCLING	1620	1	701	1620	1	701		NA			NA				

NOTES: USE WISCONSIN RAPIDS ALTIMETER SETTING.

This is a corrected copy of a procedure in TL 97-06.

CITY AND STATE	ELEVATION: 919 TDZE: 919 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP
NECEDAH, WI	NECEDAH	DAF	22 MAY 97 NDB RWY 36, AMDT. 1	AMDT ORIGINAL
				DATE 11 NOV 93

FAA FORM 8260 - 5 / February 1995 (computer generated)

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

GPS RNAV

STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICE - FAR PART 97. 33

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

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
HURST INT	EYLAR WP	084.10/5.21	2600
DLL VORTAC (IAF) *	AJEPO WP (NOPT)	321.53/21.81	2600
AJEPO	EYLAR WP	000.54/ 6.92	2600

MISSED APPROACH

MAP: RW36

CLIMBING RIGHT TURN TO 2600 DIRECT EYLAR WP AND HOLD.

ADDITIONAL FLIGHT DATA:

FAS OBST: 1199 TREE 440120/900427
CHART: R-6904A, R-6904B
KISW ASOS ←

1. PT NA SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD S EYLAR WP, RT, 000.54 INBOUND, 2600 FT IN LIEU OF PT (IAF).
3. FAC 000.54 FAF EYLAR WP DIST FAF TO MAP - THLD 5.00
4. MIN. ALT EYLAR WP 2600
8. MSA FROM: RW36 3200

MAG VAR: 1W EPOCH YEAR: 00

MINIMUMS

TAKEOFF: X STANDARD ____ SEE FAA FORM 8260-15 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-36	1520	1	601	1520	1	601		NA			NA				
CIRCLING	1580	1	661	1580	1	661		NA			NA				

NOTES: USE WISCONSIN RAPIDS ALTIMETER SETTING.

* ARM APPROACH MODE PRIOR TO IAF.

This is a corrected copy of a procedure in TL 97-06.

CITY AND STATE	ELEVATION: 919 TDZE: 919 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP
NECEDAH, WI	NECEDAH	GPS	22 MAY 97 GPS RWY 36, ORIG	AMDT NONE
				DATE

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

GPS RNAV

STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICE - FAR PART 97. 33

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

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
LAYVU INT	DAHVO WP	044.19/25.99	4000
KRSMS INT	INOKY WP	266.35/9.48	4000
DAHVO WP (IAF)	LODVY WP	097.27/5.00	4000
INOKY WP (IAF)	LODVY WP	276.09/5.00	4000
LODVY WP	OJIKY WP	187.32/5.00	3100
			-

MISSED APPROACH

MAP: RW19

CLIMB TO 2500, THEN CLIMBING RIGHT TURN TO 4000 DIRECT LODVY WP AND HOLD

ADDITIONAL FLIGHT DATA:

HOLD N, RT, 187 INBOUND

FAS OBST: 1659 TREE 454759 / 902308

1. PT NA SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT LODVY WP
3. FAC 187.31 FAF OJIKY WP DIST FAF TO MAP - THLD 5.00
4. MIN. ALT LODVY WP 4000, OJIKY WP 3100
8. MSA FROM: RW19 4100

MAG VAR: 00 EPOCH YEAR: 85

MINIMUMS

TAKEOFF: | | STANDARD | X | SEE FAA FORM 8260-15 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-19	1920	1	423	1920	1	423	1920	1 1/4	423	1920	1-1/4	423			
CIRCLING	2100	1	603	2100	1	603	2100	1 3/4	603	2100	2	603			

NOTES:

THIS IS A CORRECTED COPY OF A PROCEDURE PUBLISHED IN TL 97-04

CITY AND STATE	ELEVATION AIRPORT	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	
PHILLIPS, WI	1497 TDZE: 1497 PRICE COUNTY	GPS	27 MAR 97 GPS RWY 19, ORIG	SUP / AMDT NONE / DATE

FAA FORM 8260 - 5 / February 1995 (computer generated)

UNITED STATES ARMY
RADAR -- STANDARD INSTRUMENT APPROACH PROCEDURE

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

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

RADAR TERMINAL AREA MANEUVERING SECTORS AND ALTITUDES (Sectors and distances measured from radar antenna)

FROM	TO	DISTANCE	ALTITUDE	DISTANCE	ALTITUDE	DISTANCE	ALTITUDE	DISTANCE	ALTITUDE	DISTANCE	ALTITUDE

MISSED APPROACH

MAP:

MINIMUMS

TAKEOFF: STANDARD SEE FAA FORM 8260-21 FOR THIS AIRPORT ALTERNATE: N A

CATEGORY =====>	A			B			C			D			E		
	DH/ MDA	VIS	HAT/HAA	DH/MDA	V I S	HAT/HAA	DH/MDA	V I S	HAT/HAA	DH/MDA	V I S	HAT/HAA	DH/MDA	V I S	HAT/HAA

NOTES:

PROCEDURE CANCELED EFFECTIVE 27 Mar 97

LOST COMMUNICATIONS (ALL RWYS):

ADDITIONAL FLIGHT DATA

TDZE: RWY: TDZE: RWY:

TDZE: RWY: TDZE: RWY:

MAG VAR: EPOCH YEAR:

CITY AND STATE	ELEVATION: 89 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP
ALEXANDRIA, LA	ALEXANDRIA INTL	AEX	RADAR-1, ORIG	AMDT: NONE DATED:

U. S. 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
CAMRN INT/JFK 37.14 DME (IAF)	FATHO INT/I-HIQ 14.13 DME (NOPT)	018.39/23.13 (JFK R-198) & 294.00/6.24 (SBJ R-114) (JFK LR-215)	3000
FATHO	KRSTL INT/I-HIQ 4.70 DME	042.75/9.43 (I-HIQ)	1500

MISSED APPROACH

ILS: AT THE DH. LOC: 4.17 MILES AFTER KRSTL OR AT DME FIX.

CLIMB TO 2000 THEN CLIMBING RIGHT TURN TO 3000 VIA JFK R-062 TO DUFFY INT/JFK 14.80 DME AND HOLD, OR WHEN DIRECTED BY ATC CLIMB TO 2000 THEN CLIMBING RIGHT TURN TO 4000 DIRECT DPK VOR/DME AND HOLD E, RT, 258 INBOUND.

ADDITIONAL FLIGHT DATA:
HOLD NE, LT, 242 INBOUND

FAS OBST: 144 STACK 403521/734837

1. PT NA SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT FATHO
3. FAC: 042.75 FAF: KRSTL DIST FAF TO MAP: 4.17 THLD: 4.17
4. MIN. ALT: FATHO 3000, KRSTL 1500
5. DIST TO THLD FROM OM: - MM: - IM: - 150 HAT: - 100 HAT: - GS ANT: 1090
6. MIN GS INCPT: 1500 GS ALT AT: KRSTL 1472 OM: - MM: - IM: -
7. GS ANGLE: 3.00 TCH: 57
8. MSA FROM: JFK VOR/DME 360-090 2000, 090-270 1800, 270-360 2800

MAG VAR: 12W EPOCH YEAR: 80

MINIMUMS

TAKEOFF: [ ] STANDARD [X] SEE FAA FORM 8260-15 FOR THIS AIRPORT ALTERNATE: N A [ ] ILS: 700-2 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 - I L S 4L	212	4000	200	212	4000	200	212	4000	200	212	4000	200			
S - L O C 4L	400	5000	388	400	5000	388	400	5000	388	400	6000	388			
CIRCLING	640	1	627	640	1	627	640	1 3/4	627	640	2	627			

NOTES:

CITY AND STATE	ELEVATION: 13 TDZE: 12 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
NEW YORK, NY	JOHN F KENNEDY INTL	I-HIQ	P 24 APR 97 ILS RWY 4L, AMDT 9	AMDT: 8A
				DATED: 7/17/96

U.S. DEPARTMENT of TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

DEPARTURE PROCEDURES / TAKEOFF MINIMUMS

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COORDINATED

ATA	AAT	ALPA	APA	AOPA	NBAA	OTHER (specify)
X		X	X	X	X	X ZMA, MIA FSS, PBI ATCT, SUA ATCT, AMGR

TAKEOFF MINIMUMS:

RWY 7, 12, 16, 25, 30, 34 STANDARD.

IFR DEPARTURE PROCEDURE:

RWY 25, 30: CLIMB HEADING 290 TO 1800 BEFORE PROCEEDING ON COURSE.

TAKEOFF OBSTACLES:

DEPARTURE OBSTACLES:

RWY 25, 30: 1549 TOWERS 270721/0802320

DEVELOPED BY		APPROVED BY	
SIGNATURE:	DATE: FEB 20 1997	SIGNATURE:	DATE: FEB 20 1997
MICHAEL L. EBELS (WILSON)	FIFO: AVN-150	DAVID R. COOK	FIFO: AVN-150

CITY AND STATE	AIRPORT	EFFECTIVE	AMDT. NO.
STUART, FL	WITHAM FIELD	22 MAY 97	1

U.S. DEPARTMENT of TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

DEPARTURE PROCEDURES / TAKEOFF MINIMUMS

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COORDINATED

ATA	AAT	ALPA	APA	AOPA	NBAA	OTHER (specify)
X				X	X	X NYC FPO, ZOB, ROC ATCT, D38 AMGR

TAKEOFF MINIMUMS:

RWY 13, 300-1, OR STANDARD WITH MINIMUM CLIMB OF 230' PER NM TO 1100.
RWY 31, STANDARD

IFR DEPARTURE PROCEDURE:

TAKEOFF OBSTACLES:

RWY 13: 929 TREES 425356/771815

DEPARTURE OBSTACLES:

DEVELOPED BY		APPROVED BY	
SIGNATURE: Michael L. Coleman MICHAEL L. COLEMAN (ROBERT ABBOTT)	DATE: 12/13/96 FIFO: AVN-110	SIGNATURE: Russell D. Jones RUSSELL D. JONES, MANAGER	DATE: 1/27/97 FIFO: AVN-110

CITY AND STATE	AIRPORT	EFFECTIVE	AMDT. NO.
CANANDAIGUA, NY	CANANDAIGUA	22 MAY 97	ORIG

U.S. DEPARTMENT of TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

DEPARTURE PROCEDURES / TAKEOFF MINIMUMS

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COORDINATED

ATA	AAT	ALPA	APA	AOPA	NBAA	OTHER (specify)
X	X	X	X	X	X	X ZBW, ALB ATCT, ARPT MNGR, BTV FSS

TAKEOFF MINIMUMS:

RWY 10, 300-1
RWY 28, 300-1

RWY 10 - 50' AGL TREES 720' FROM DEPARTURE END OF RUNWAY, 65' LEFT OF CENTERLINE
RWY 28 - 60' AGL TREES 700' FROM DEPARTURE END OF RUNWAY, 125' LEFT OF CENTERLINE

IFR DEPARTURE PROCEDURE:

TAKEOFF OBSTACLES:

RWY 10: 959 TREE 425958/0741913
RWY 28: 938 TREE 425948/0742021

DEPARTURE OBSTACLES:

DEVELOPED BY		APPROVED BY	
SIGNATURE: Michael L. Coleman MICHAEL L. COLEMAN (MEM)	DATE: 10/22/96 FIFO: AVN-110	SIGNATURE: Russell D. Jones RUSSELL D. JONES	DATE: 2/5/97 FIFO: AVN-110

CITY AND STATE	AIRPORT	EFFECTIVE	AMDT. NO.
JOHNSTOWN, NY	FULTON COUNTY	22 MAY 97	1

U.S. DEPARTMENT of TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

DEPARTURE PROCEDURES / TAKEOFF MINIMUMS

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COORDINATED

ATA	AAT	ALPA	APA	AOPA	NBAA	OTHER (specify)
				X	X	X ZDC, NTU APP CON

TAKEOFF MINIMUMS:

RWY 04, 22 STANDARD

NOTE: 106 MSL TREES 1090 FEET FROM DEPARTURE END OF RUNWAY 04.

IFR DEPARTURE PROCEDURE:

RWY 04: CLIMB ON HEADING 290 TO 4000 BEFORE TURNING SOUTHBOUND.

RWY 22: CLIMB ON HEADING 310 TO 4000 BEFORE TURNING SOUTHBOUND.

TAKEOFF OBSTACLES:

RWY 04: 106 TREE 362412/760058

DEPARTURE OBSTACLES:

RWY 22: 3000 BALLOON 361359/760759

DEVELOPED BY		APPROVED BY	
SIGNATURE: Thomas W. Eastman THOMAS W. EASTMAN (INKMAN)	DATE: 11/12/96 FIFO: AVN-150	SIGNATURE: David R. Cook DAVID R. COOK	DATE: JAN 0 2 1997 FIFO: AVN-150

CITY AND STATE	AIRPORT	EFFECTIVE	AMDT. NO.
CURRITUCK, NC	CURRITUCK COUNTY	22 MAY 97	ORIG

U.S. DEPARTMENT of TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

DEPARTURE PROCEDURES / TAKEOFF MINIMUMS

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COORDINATED

ATA	AAT	ALPA	APA	AOPA	NBAA	OTHER (specify)
X		X	X	X	X	X ZDC, NKT APP CON, EWN AMGR

TAKEOFF MINIMUMS:

RWY 4, 22, 300 - 1 OR STANDARD WITH MINIMUM CLIMB OF 330' PER NM TO 1000.
RWY 13, 300 - 1 OR STANDARD WITH MINIMUM CLIMB OF 270' PER NM TO 1000.
RWY 31, 300 - 1

IFR DEPARTURE PROCEDURE:

TAKEOFF OBSTACLES:

RWY 4: 246 CRANE 350530/770148.
RWY 22: 90 TREE 350454/770205.
RWY 13: 103 TREE 350445/770205.
RWY 31: 101 TREE 350437/770303.

DEPARTURE OBSTACLES:

THIS CANCELS FDC 7/0429.

DEVELOPED BY		APPROVED BY	
SIGNATURE: MICHAEL L. EBELS (INKMAN)	DATE: FEB 20 1997 FIFO: AVN-150	SIGNATURE: DAVID R. COOK	DATE: FEB 20 1997 FIFO: AVN-150

CITY AND STATE	AIRPORT	EFFECTIVE	AMDT. NO.
NEWBERN, NC	CRAVEN COUNTY REGIONAL	22 MAY 97	2

FAA FORM 8260 - 15 / February 1995 (computer generated)

U.S. DEPARTMENT of TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

DEPARTURE PROCEDURES / TAKEOFF MINIMUMS

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COORDINATED

ATA	AAT	ALPA	APA	AOPA	NBAA	OTHER (specify)
				X	X	X ZKC, END ATCT, AMGR

TAKEOFF MINIMUMS:

RWY 35 - STANDARD

RWY 17 - 400 - 2 OR STANDARD WITH MINIMUM CLIMB OF 270 FEET PER NM TO 1700 MSL.

IFR DEPARTURE PROCEDURE:

TAKEOFF OBSTACLES:

1635 TOWER 361535.12N-0982741.28W

DEPARTURE OBSTACLES:

DEVELOPED BY		APPROVED BY	
SIGNATURE: DONALD R. HARMER (CURRIE)	DATE: FEB 7 1997 FIFO: AVN-130	SIGNATURE: RICK A. WEBB	DATE: FEB 7 1997 FIFO: AVN-130

CITY AND STATE	AIRPORT	EFFECTIVE	AMDT. NO.
FAIRVIEW, OK	FAIRVIEW MUNI	22 MAY 97	2

U.S. DEPARTMENT of TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

DEPARTURE PROCEDURES / TAKEOFF MINIMUMS

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, except visibilities which are in statute miles or in feet RVR.

COORDINATED

ATA	AAT	ALPA	APA	AOPA	NBAA	OTHER (specify)
		X	X	X	X	X ZFW, AIRPORT MANAGER, ST AV DIR

TAKEOFF MINIMUMS:

IFR DEPARTURE PROCEDURE:

CANCELED EFFECTIVE 22 MAY 97.

TAKEOFF OBSTACLES:

DEPARTURE OBSTACLES:

DEVELOPED BY		APPROVED BY	
SIGNATURE: DONALD R. HARMER (ROBIN CAUDLE)	DATE: 08/15/96 FIFO: AVN-130	SIGNATURE: RICK A. WEBB	DATE: FIFO: AVN-130

CITY AND STATE	AIRPORT	EFFECTIVE	AMDT. NO.
PLAINVIEW, TX	PLAINVIEW/HALE COUNTY COUNTY		1

U.S. DEPARTMENT of TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

DEPARTURE PROCEDURES / TAKEOFF MINIMUMS

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COORDINATED

ATA	AAT	ALPA	APA	AOPA	NBAA	OTHER (specify)
X		X	X	X	X	X ZFW ARTCC, SPS ATCT, AIRPORT MANAGER

TAKEOFF MINIMUMS:

RWY 15C/R & RWY 17: 600 - 2 OR STANDARD WITH MINIMUM CLIMB OF 290' PER NM TO 2100

IFR DEPARTURE PROCEDURE:

TAKEOFF OBSTACLES:

RWY 15C/R & 17 : 2043 TOWER 335404/0983221
2049 TOWER 335324/0983331

DEPARTURE OBSTACLES:

DEVELOPED BY		APPROVED BY	
SIGNATURE: Jim Emory JIM R. EMORY	DATE: 02/06/97 FIFO: AVN-130	SIGNATURE: For RICK A. WEBB, MANAGER	DATE: 02/06/97 FIFO: AVN-130

CITY AND STATE	AIRPORT	EFFECTIVE	AMDT. NO.
WICHITA FALLS, TX	SHEPPARD AFB/WICHITA FALLS MUNI	24 APR 97	1

U.S. DEPARTMENT of TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

DEPARTURE PROCEDURES / TAKEOFF MINIMUMS

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COORDINATED

ATA	AAT	ALPA	APA	AOPA	NBAA	OTHER (specify)
X		X	X	X	X	X ZDC, RIC APCH CTL, CHO ATCT, KCHO AMGR

TAKEOFF MINIMUMS:

RWY21: STANDARD
RWY 3: 600-3, OR STANDARD WITH MINIMUM CLIMB OF 300' PER NM TO 3000

IFR DEPARTURE PROCEDURE:

COMPLY WITH SID OR:
RWY 3/21: CLIMB RUNWAY HEADING TO 4000 BEFORE PROCEEDING ON COURSE

TAKEOFF OBSTACLES:

RWY 3: 1216 TREES 381047/782510

DEPARTURE OBSTACLES:

PUBLISH CONCURRENT WITH GPS RWY 21, ORIG

DEVELOPED BY		APPROVED BY	
SIGNATURE: Michael L. Coleman	DATE: 07/17/96	SIGNATURE: Russell D. Jones	DATE: 2/5/97
(RKC) MICHAEL L. COLEMAN	FIFO: AVN-110	RUSSELL D. JONES	FIFO: AVN-110

CITY AND STATE	AIRPORT	EFFECTIVE	AMDT. NO.
CHARLOTTESVILLE, VA	CHARLOTTESVILLE-ALBERMARLE	*	7

FAA FORM 8260 - 15 / February 1995 (computer generated)

[4910-13]

DEPARTMENT OF TRANSPORTATION

Federal Aviation Administration

14 CFR Part 97

[Docket No. 28838 ; Amdt. No. 1787]
RIN 2120-AA65

Standard Instrument Approach Procedures; Miscellaneous Amendments

AGENCY: Federal Aviation Administration (FAA), DOT.

ACTION: Final rule.

SUMMARY: This amendment establishes, amends, suspends, or revokes Standard Instrument Approach Procedures (SIAPs) 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, addition of new obstacles, or changes in 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: An effective date for each SIAP is specified in the amendatory provisions.

Incorporation by reference-approved by the Director of the Federal Register on December 31, 1980, and reapproved as of January 1, 1982.

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; or

3. The Flight Inspection Area Office which originated the SIAP.

For Purchase- Individual SIAP 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.

By Subscription- Copies of all SIAPs, mailed once every 2 weeks, are for sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402.

FOR FURTHER INFORMATION CONTACT: Paul J. Best, Flight Procedures Standards Branch (AFS-420), Technical Programs Division, Flight Standards Service, Federal Aviation Administration, 800 Independence Avenue, SW., Washington, DC 20591; telephone (202) 267-8277.

SUPPLEMENTARY INFORMATION: This amendment to part 97 of the Federal Aviation Regulations (14 CFR part 97) establishes, amends, suspends, or revokes Standard Instrument Approach Procedures (SIAPs). The complete regulatory description of each SIAP is contained in official FAA form documents which

are incorporated by reference in this amendment under 5 U.S.C. 552(a), 1 CFR part 51, and § 97.20 of the Federal Aviation Regulations (FAR). The applicable FAA Forms are identified as FAA Forms 8260-3, 8260-4, and 8260-5. Materials incorporated by reference are available for examination or purchase as stated above.

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. The provisions of this amendment state the affected CFR (and FAR) sections, with the types and effective dates of the SIAPs. This amendment also identifies the airport, its location, the procedure identification and the amendment number.

THE RULE

This amendment to part 97 is effective upon publication of each separate SIAP as contained in the transmittal. Some SIAP amendments may have been previously issued by the FAA in a National 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 amendments may require making them effective in less than 30 days. For the remaining SIAPs, an effective date at least 30 days after publication is provided.

Further, the SIAPs contained in this amendment are based on the criteria contained in the U.S. Standard for Terminal Instrument Approach Procedures (TERPS). In developing these SIAPs, 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 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 some SIAPs effective in less than 30 days.

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

of small entities under the criteria of the Regulatory Flexibility Act.

List of Subjects in 14 CFR part 97

Air Traffic Control, Airports, Navigation (Air).

Issued in Washington, DC on March 7, 1997.

Thomas C. Accardi
Director, Flight Standards Service

ADOPTION OF THE AMENDMENT

Accordingly, pursuant to the authority delegated to me, part 97 of the Federal Aviation Regulations (14 CFR part 97) is amended by establishing, amending, suspending, or revoking 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 is revised to read as follows:

AUTHORITY: 49 U.S.C. 106(g), 40103, 40113, 40120, 44701;and 14 CFR 11.49(b)(2).

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, MLS/DME, MLS/RNAV; §97.31 RADAR SIAPs; §97.33 RNAV SIAPs; and §97.35 COPTER SIAPs, identified as follows:

...Effective March 27, 1997

Jacksonville, FL, Herlong, NDB-A, Orig
Tampa, FL, Tampa Intl, LOC RWY 36R, Orig
Newnan, GA, Newnan Coweta County, LOC RWY 32, Orig
Newnan, GA, Newnan Coweta County, NDB or GPS RWY 32, Amdt 3
Columbus, OH, Port Columbus Intl, ILS RWY 10R, Amdt 7
Columbus, OH, Port Columbus Intl, ILS RWY 28L, Amdt 27
Hamilton, OH, Hamilton-Fairfield, LOC RWY 29, Orig
Hamilton, OH, Hamilton-Fairfield, NDB or GPS-A, Amdt 2
Hamilton, OH, Hamilton-Fairfield, GPS RWY 29, Amdt 1
Columbia, SC, Columbia Metropolitan, ILS RWY 5, Orig
Waukesha, WI, Waukesha County, LOC RWY 10, Amdt 5, CANCELLED
Waukesha, WI, Waukesha County, ILS RWY 10, Orig

...Effective April 24, 1997

Gary, IN, Gary Regional, VOR/DME or GPS RWY 2, Amdt 6
Portland, IN, Portland Muni, NDB or GPS RWY 9, Amdt 2
Portland, IN, Portland Muni, NDB or GPS RWY 27, Amdt 7
Wilmington, DE, New Castle County, VOR RWY 9, Amdt 6
Wilmington, DE, New Castle County, MLS RWY 6, Orig
Terre Haute, IN, Hulman Regional, VOR/DME RNAV or GPS RWY 31, Amdt 7
Fremont, MI, Fremont Muni, VOR or GPS-A, Amdt 10A, CANCELLED
Spartanburg, SC, Spartanburg Downtown Memorial, LOC RWY 5, Amdt 2A, CANCELLED
Spartanburg, SC, Spartanburg Downtown Memorial, ILS RWY 5, Orig
Granbury, TX, Granbury Muni, VOR/DME RWY 14, Orig

...Effective May 22, 1997

Nuiqsut, AK, Nuiqsut, GPS RWY 4, Orig
Nuiqsut, AK, Nuiqsut, GPS RWY 22, Orig
Savoonga, AK, Savoonga, GPS RWY 5, Orig
Rifle, CO, Garfield County Regional, GPS RWY 26, Orig
Meriden, CT, Meriden Markham Muni, GPS RWY 36, Orig
Cocoa, FL, Merritt Island, GPS RWY 11, Orig

St. Augustine, FL, St. Augustine, GPS RWY 13, Orig
Adel, GA, Cook County, GPS RWY 5, Orig
Douglas, GA, Douglas Muni, GPS RWY 4, Orig
Douglas, GA, Douglas Muni, GPS RWY 22, Orig
Sandpoint, ID, Dave Wall Field, GPS-B, Orig
Caribou, ME, Caribou Muni, GPS RWY 19, Orig
Houlton, ME, Houlton Intl, GPS RWY 5, Orig
Presque Isle, ME, Northern Maine Regional Arpt at Presque Isle, GPS RWY 1, Orig
Las Cruces, NM, Las Cruces Intl, GPS RWY 30, Orig
Canandaigua, NY, Canandaigua, GPS RWY 13, Orig
Johnstown, NY, Fulton County, NDB OR GPS RWY 10, Amdt 1
Johnstown, NY, Fulton County, NDB RWY 28, Amdt 1
Johnstown, NY, Fulton County, GPS RWY 28, Orig
Currituck, NC, Currituck County, GPS RWY 22, Orig
Carrington, ND, Carrington Muni, GPS RWY 31, Orig
Rolla, ND, Rolla Muni, GPS RWY 32, Orig
Clearfield, PA, Clearfield-Lawrence, GPS RWY 30, Orig
Pittsburgh, PA, Pittsburgh Intl, Converging ILS RWY 32, Amdt 2
Pittsburgh, PA, Pittsburgh Intl, ILS RWY 32, Amdt 9
Hilton Head Island, SC, Hilton Head, GPS RWY 21, Orig
Winnsboro, SC, Fairfield County, GPS RWY 4, Orig
Watertown, SD, Watertown Muni, LOC/DME BC RWY 17, Amdt 9
Watertown, SD, Watertown Muni, NDB or GPS RWY 35, Amdt 8
Watertown, SD, Watertown Muni, VOR or TACAN or GPS RWY 17, Amdt 16
Watertown, SD, Watertown Muni, VOR or TACAN RWY 35, Amdt 11
Watertown, SD, Watertown Muni, ILS RWY 35, Amdt 10
Memphis, TN, General Dewitt Spain, GPS RWY 16, Orig
Baytown, TX, Baytown, VOR RWY 14, Amdt 1
Baytown, TX, Baytown, VOR RWY 32, Amdt 1
Baytown, TX, Baytown, GPS RWY 14, Orig
Baytown, TX, Baytown, GPS RWY 32, Orig
Hebbronville, TX, Jim Hogg County, GPS RWY 13, Orig
McAllen, TX, McAllen Miller Intl, VOR RWY 13, Amdt 15
McAllen, TX, McAllen Miller Intl, VOR RWY 31, Amdt 1
McAllen, TX, McAllen Miller Intl, LOC BC RWY 31, Amdt 9
McAllen, TX, McAllen Miller Intl, ILS RWY 13, Amdt 8
McAllen, TX, McAllen Miller Intl, GPS RWY 13, Orig
McAllen, TX, McAllen Miller Intl, GPS RWY 31, Orig
Plainview, TX, Hale County, VOR RWY 4, Amdt 9
Plainview, TX, Hale County, GPS RWY 4, Orig

Plainview, TX, Hale County, GPS RWY 22, Orig
Charlottesville, VA, Charlottesville-Albemarle, GPS RWY 21, Orig
Norfolk, VA, Norfolk Intl, GPS RWY 32, Amdt 1
Suffolk, VA, Suffolk Muni, GPS RWY 4, Orig
Suffolk, VA, Suffolk Muni, GPS RWY 7, Orig
Spokane, WA, Spokane Intl, GPS RWY 25, Orig
Spokane, WA, Spokane Intl, GPS RWY 3, Orig

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

NDB-A

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
CRG VORTAC	JA LOM	299.63/16.91	3000
JA LOM	LUCEE INT	184.14/6.02	2000

MISSED APPROACH

MAP: 11.02 MILES AFTER JA LOM

CLIMB TO 1000 THEN CLIMBING RIGHT TURN TO 3000 DIRECT JA LOM AND HOLD.

ADDITIONAL FLIGHT DATA:

HOLD N, RT, 184.14 INBOUND.
FAS OBST: 285 TOWER 301751/814609
376 TOWER 302245/814958

CHART: 355 TOWER 301913/814755
CHART; AWOS-3, 119.275

1. PT NA SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD N JA LOM, RT, 184.14 INBOUND 3000 FT IN LIEU OF PT (IAF)
3. FAC 184.14 FAF LUCEE INT DIST FAF TO MAP 5.00 THLD ____
4. MIN. ALT JA LOM 3000, LUCEE 2000, TUCCR INT 1200
8. MSA FROM: JA LOM 2600

MAG VAR: 3W EPOCH YEAR: 85

MINIMUMS

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

CATEGORY =====>	A			B			C			D			E		
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/ HAA	MDA	VIS	HAT/ HAA	MDA	VIS	HAT/ HAA	MDA	VIS	HAT/ HAA
CIRCLING	640	1	553	640	1 1/4	553	640	1 1/2	553	640	2	553			

NOTES:

CITY AND STATE	ELEVATION: 87 TDZE: - AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP
JACKSONVILLE, FL	HERLONG	JA	27 MAR 97 NDB-A, ORIG	AMDT NONE
				DATE

FAA FORM 8260 - 5 / February 1995 (computer generated)

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

LOC

STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICE - FAR PART 97. 25

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
WARTR INT/I-TWJ 12.30 DME	ANAZE INT/I-TWJ 8.32 DME	003.73/3.98 (I-TWJ)	2600

MISSED APPROACH

MAP: 6.80 MILES AFTER ANAZE OR AT I-TWJ 1.52 DME

CLIMB TO 2000 DIRECT COSME LOM AND HOLD.

ADDITIONAL FLIGHT DATA:

HOLD N, RT, 183.73 INBOUND.
FAS OBST: 156 OL ON BLDG 275719/0823133.
CHART VDP AT 2.69 DME.
DISTANCE VDP TO THR 1.17 MILES.

1. PT NA SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT WARTR.
3. FAC 003.73 FAF ANAZE DIST FAF TO MAP 6.80 THLD 6.80
4. MIN. ALT WARTR 2600, ANAZE 2600
8. MSA FROM: PIE VORTAC 2700

MAG VAR: 2W EPOCH YEAR: 1985

MINIMUMS

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

CATEGORY =====>	A			B			C			D			E		
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/ HAA	MDA	VIS	HAT/ HAA	MDA	VIS	HAT/ HAA	MDA	VIS	HAT/ HAA
S-36R	440	1	419	440	1	419	440	1 1/4	419	440	1 1/4	419			
CIRCLING	560	1	533	560	1	533	560	1 1/2	533	640	2	613			

NOTES:
ADF AND RADAR REQUIRED.

CITY AND STATE	ELEVATION: 27 TDZE: 21 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP
TAMPA, FL	TAMPA INTL	I-TWJ	27 MAR 97 LOC RWY 36R, ORIG	AMDT NONE
				DATE

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

LOC

STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICE - FAR PART 97. 25

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
TIROE INT	EQQ NDB	114.08 / 8.26	2500

MISSED APPROACH

MAP: 3.99 MILES AFTER EQQ NDB

CLIMB TO 1800 THEN CLIMBING LEFT TURN TO 2500 DIRECT EQQ NDB AND HOLD.

ADDITIONAL FLIGHT DATA:

HOLD SE, LT 322.46 INBOUND.
FAS OBST: 1019 TREE 331733 / 844453
1104 TRANSMISSION LINE 331547 / 844346
CHART: AWOS-3

1. PT L SIDE OF COURSE 142.46 OUTBOUND 2500 FT WITHIN 10 MILES OF EQQ NDB (IAF)
2.
3. FAC 322.46 FAF EQQ NDB DIST FAF TO MAP 3.99 THLD 3.99
4. MIN. ALT EQQ NDB 2500
8. MSA FROM: EQQ NDB 3500

MAG VAR: 3W EPOCH YEAR: 2000

MINIMUMS

TAKEOFF: | | STANDARD | X | SEE FAA FORM 8260-15 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-32	1280	1	325	1280	1	325	1280	1	325	1280	1	325			
CIRCLING	1420	1	450	1420	1	450	1420	1 1/2	450	1520	2	550			

NOTES: IF LOCAL ALTIMETER SETTING NOT RECEIVED, USE ATLANTA ALTIMETER SETTING AND INCREASE ALL MDAs 80 FEET.

ADF REQUIRED.

CITY AND STATE	ELEVATION: 970 TDZE: 955 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP
NEWNAN, GA	NEWNAN COWETA COUNTY	I-CCO	27 MAR 97 LOC RWY 32, ORIG	AMDT NONE
				DATE

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
TIROE INT	EQQ NDB	114.08 / 8.26	2500

MISSED APPROACH

MAP: **3.99 MILES AFTER EQQ NDB**

CLIMB TO 1800 THEN CLIMBING LEFT TURN TO 2500 DIRECT EQQ NDB AND HOLD.

ADDITIONAL FLIGHT DATA:

HOLD SE, LT, 321.78 INBOUND
FAS OBST: 1100 TREE 331842 / 844528.
1104 TRANSMISSION TOWER 331547 / 844346.

1. PT **L** SIDE OF COURSE **141.78** OUTBOUND **2500** FT WITHIN **10** MILES OF **EQQ NDB** (IAF)
2.
3. FAC **321.78** FAF **EQQ NDB** DIST FAF TO MAP **3.99** THLD **3.99**
4. MIN. ALT **EQQ NDB 2500**
8. MSA FROM: **EQQ NDB 3500**

MAG VAR: **3W** EPOCH YEAR: **2000**

MINIMUMS

TAKEOFF: [ ] STANDARD [X] SEE FAA FORM 8260-15 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-32	1400	1	445	1400	1	445	1400	1 1/4	445	1400	1 1/2	445			
CIRCLING	1420	1	450	1420	1	450	1420	1 1/2	450	1520	2	550			

NOTES: **IF LOCAL ALTIMETER SETTING NOT RECEIVED, USE ATLANTA ALTIMETER SETTING AND INCREASE ALL MDAs 80 FEET.**

CITY AND STATE	ELEVATION: 970 TDZE: 955 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP
NEWNAN, GA	NEWNAN COWETA COUNTY	EQQ	27 MAR 97 NDB or GPS RWY 32, AMDT 3	AMDT 2 DATE 18 AUG 94

U. S. Department of Transportation
Federal Aviation

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
LIMPS INT	GRENS LOM	41.28/13.40	2700
APE VORTAC	GRENS LOM	253.54/21.98	2900

MISSED APPROACH

ILS: AT THE DH. LOC: 5.56 MILES AFTER ARLIG OM/INT/I-AQI OR AT 5.37 DME/RADAR DME FIX.

CLIMB TO 3000 VIA ZZV R-280 TO ANDEY INT/ZZV 32.90 DME AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD E, LT, 280.00 INBOUND.
FAS OBST: 958 BLDG 395929/825625
1400 TOWER 400103/830108

1. PT L SIDE OF COURSE 279.20 OUTBOUND 2700 FT WITHIN 10 MILES OF ARLIG OM/INT/I-AQI (IAF)
2. 5.37 DME/RADAR *
3. FAC: 099.20 FAF: ARLIG OM/INT/I-AQI 5.37 DME/RADAR DIST FAF TO MAP: 5.56 THLD: 5.56
4. MIN. ALT: ARLIG 2700, DEBBY/I-AQI 1.78 DME/RADAR 1480** **LOC ONLY
5. DIST TO THLD FROM OM: 5.56 MM: .47 IM: - 150 HAT: - 100 HAT: - GS ANT: 925
6. MIN GS INCPT: 2700 GS ALT AT: OM: 2653 MM: 1006 IM: -
7. GS ANGLE: 3.00 TCH: 51
8. MSA FROM: CB LOM 3100

MAG VAR: 5W EPOCH YEAR: 90

MINIMUMS

TAKEOFF: STANDARD X SEE FAA FORM 8260-15 FOR THIS AIRPORT ALTERNATE: N A ILS: 700-2 LOC: 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
S-ILS 10R	1010	1/2	200	1010	1/2	200	1010	1/2	200	1010	1/2	200			
S-LOC 10R	1480	1/2	670	1480	1/2	670	1480	1-1/4	670	1480	1-1/2	670			
CIRCLING	1480	1	665	1480	1	665	1480	1-3/4	665	1480	2	665			
DEBBY FIX MINIMUMS															
S-LOC 10R	1160	1/2	350	1160	1/2	350	1160	1/2	350	1160	3/4	350			
CIRCLING	1280	1	465	1320	1	505	1320	1-1/2	505	1380	2	565			

NOTES:
*PROCEDURE TURN MAY COMMENCE AT CB LOM.
ADF OR RADAR REQUIRED.
ASR.

CITY AND STATE	ELEVATION: 815 TDZE: 810 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
COLUMBUS, OH	PORT COLUMBUS INTL	I-AQI	27 MAR 97 ILS RWY 10R, AMDT 7	AMDT: 6
				DATE 30 APR 92

U. S. Department of Transportation
Federal Aviation

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
LIMPS INT	SUMIE LOM/I-CMH 7.34 DME/RADAR	070.72/22.64	2700
APE VORTAC	SUMIE LOM	223.81/12.50	2800

MISSED APPROACH

ILS: AT THE DH. LOC: 5.46 MILES AFTER SUMIE LOM/I-CMH 7.34 DME/RADAR OR AT I-CMH 1.88 DME FIX.

CLIMB TO 1400, THEN CLIMBING LEFT TURN TO 2700 VIA HEADING 210 AND APE R-242 TO LIMPS INT/APE 34.2 DME AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD SW, RT, 062 INBOUND.
FAS OBST: 1069 TREES 395948/824840.

1. PT L SIDE OF COURSE 099.44 OUTBOUND 2700 FT WITHIN 10 MILES OF SUMIE LOM (IAF)
2.
3. FAC: 279.22 FAF: SUMIE LOM DIST FAF TO MAP: 5.46 THLD: 5.46
4. MIN. ALT: SUMIE LOM 2700
5. DIST TO THLD FROM OM: 5.46 MM: 0.42 IM: - 150 HAT: - 100 HAT: - GS ANT: 1150
6. MIN GS INCPT: 2700 GS ALT AT: OM: 2638 MM: 1007 IM: -
7. GS ANGLE: 3.00 TCH: 59
8. MSA FROM: CM LOM 360-180 2700, 180-360 3100

MAG VAR: 5W EPOCH YEAR: 90

MINIMUMS

TAKEOFF: | | STANDARD | X | SEE FAA FORM 8260-15 FOR THIS AIRPORT | ALTERNATE: N A | X | 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 28L	1014	2400	200	1014	2400	200	1014	2400	200	1014	2400	200			
S-LOC 28L	1320	2400	506	1320	2400	506	1320	5000	506	1320	5000	506			
CIRCLING	1320	1	505	1320	1	505	1320	1-1/2	505	1380	2	565			

NOTES:
ASR
ADF OR RADAR REQUIRED

CITY AND STATE	ELEVATION: 815 TDZE: 814 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
COLUMBUS, OH	PORT COLUMBUS INTL	I-CMH	27 MAR 97 ILS RWY 28L, AMDT 27	AMDT: 26B
				DATE 10/16/96

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

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
RID VORTAC	HOLGR INT/I-RQF 6.97 DME	144.08/32.91	3000
MOAKS INT (IAF)	AHUNO INT/I-RQF 12.00 DME (NoPT)	260.00/2.58 (HDG) & 294.37/2.18 (I-RQF)	2600
AHUNO	HOLGR	294.37/5.03	2600

MISSED APPROACH

MAP: 6.00 MILES AFTER HOLGR INT/I-RQF 6.97 DME OR AT I-RQF 0.97 DME

CLIMB TO 2600 THEN LEFT TURN VIA I-RQF SE COURSE TO HOLGR INT/I-RQF 6.97 DME AND HOLD.

ADDITIONAL FLIGHT DATA:

HOLD SE, LT, 294 INBOUND.
FAS OBST: 929 TREES 392042/842637
769 TREES 392126/843004
CHART ASOS
CHART 1357 TOWER 392111/842501
1202 TOWER 392356/843639
1255 TOWER 392541/843746

1. PT NA SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD SE HOLGR, LT, 294.37 INBOUND, 2600 FT IN LIEU OF PT (IAF)
3. FAC 294.37 FAF HOLGR DIST FAF TO MAP 6.00 THLD 6.00
4. MIN. ALT HOLGR 2600, MRRGO INT/I-RQF 3.97 DME 1620
8. MSA FROM: HAO NDB 3100

MAG VAR: 4W EPOCH YEAR: 95

MINIMUMS

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

CATEGORY	A			B			C			D			E		
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/	MDA	VIS	HAT/	MDA	VIS	HAT/	MDA	VIS	HAT/
S-29	1020	1	399	1020	1	399	1020	1	399	1020	1 1/4	399			
CIRCLING	1200	1	566	1280	1	646	1280	1 3/4	646	1320	2 1/4	686			

NOTES:

DME OR ADF REQUIRED.

LOC COURSE UNUSABLE BEYOND 20 DEGREES RIGHT OF COURSE.

CITY AND STATE	ELEVATION: 634 TDZE: 621 AIRPORT	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP
HAMILTON, OH	HAMILTON-FAIRFIELD	I-RQF	27 MAR 97 LOC RWY 29, ORIGINAL	AMDT NONE
				DATE

AIRPORT:HAMILTON-FAIRFIELD CITY:HAMILTON STATE:OH APT ELEV:634
SIAP:NDB OR GPS-A AMDT:2 EFFECTIVE DATE: 03/27/97
SUP:NDB OR GPS-A AMDT:1 EFFECTIVE DATE:
RUNWAY: TDZ ELEV: FACILITY:HAO NDB FAC ELEV:668 FAC VARIATION:4 YEAR:1995

FROM	TO	COURSE	DISTANCE	ALTITUDE
FEEDER CVG VORTAC	HAO NDB	015.91	22.23	3000
FEEDER RID VORTAC	HAO NDB	154.59	26.05	3000
PROCEDURE TURN IAF HAO NDB	LEFT SIDE OF COURSE 285.00 OUTBOUND		10.00	2500

FAC:105.00 FAF:HAO NDB DIST FAF TO: MAP:1.84 THLD: DIST SDF TO: MAP: THLD:
MIN ALT:HAO NDB,1700 .

MAP:1.84 MILES AFTER HAO NDB
MISSED APPROACH:
CLIMB TO 3000 THEN RIGHT TURN DIRECT HAO NDB AND HOLD

MA HOLDING: HOLD W , RIGHT TURN, 105.00 INBOUND

MSA: FROM HAO NDB , WITHIN 25.00 , 3100

MINIMUMS	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
CIRCLING	1200	1	566	1280	1	646	1280	1.75	646	1320	2.25	686		N/A	

TAKEOFF MINIMUMS:SEE 8260-15 FOR THIS AIRPORT

ALTERNATE MINIMUMS:NA

NOTES:

ADDITIONAL FLIGHT DATA:
FAS OBST: 890 TREES 392225/843155
FAC CROSSES RWY C/L 735 E OF RWY 11 DRWT
CHART ASOS

BEARINGS, HEADINGS, COURSES AND RADIALS ARE MAGNETIC. ELEVATIONS AND ALTITUDES ARE IN FEET, MSL, EXCEPT HAT, HAA, AND RA.
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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

GPS RNAV

STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICE - FAR PART 97. 33

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

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
RID VORTAC	HOLGR WP	144.08 / 32.91	3000
MOAKS WP (IAF)	AHUNO WP (NoPT)	275.90 / 4.55	2600
AHUNO WP	HOLGR WP	294.51 / 5.03	2600

MISSED APPROACH

MAP: RWY 29

CLIMB TO 2600, THEN LEFT TURN DIRECT HOLGR WP AND HOLD

ADDITIONAL FLIGHT DATA:

FAS OBST: 769 TREES 392126 / 843004
929 TREES 392038 / 842711.

CHART: 1357 TOWER 392111 / 842501
1202 TOWER 392356 / 843639
1255 TOWER 392541 / 843746.

1. PT NA SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD SE, HOLGR WP, LT, 294.45 INBOUND, 2600 FT IN LIEU OF PT (IAF)
3. FAC 294.45 FAF HOLGR WP DIST FAF TO MAP - THLD 6.00
4. MIN. ALT HOLGR WP 2600, 3.00 NM TO RW29 1620
8. MSA FROM: RW29 3100

CHART: ASOS.

CHART COURSE FROM AHUNO WP TO HOLGR WP AS 294.

MAG VAR: 4 W EPOCH YEAR: 95

MINIMUMS

TAKEOFF: [ ] STANDARD [X] SEE FAA FORM 8260-15 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 - 29	1020	1	399	1020	1	399	1020	1	399	1020	1 1/4	399			
CIRCLING	1200	1	566	1280	1	646	1280	1 3/4	646	1320	2 1/4	686			

NOTES:

CITY AND STATE	ELEVATION: 634 TDZE: 62 1 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP
HAMILTON, OH	HAMILTON-FAIRFIELD	GPS	27 MAR 97 GPS RWY 29, AMDT 1	AMDT ORIG
				DATE 29 FEB 96

U. S. Department of Transportation
Federal Aviation Administration

ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE
FAR PART 97.29

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
CAE VORTAC	LEZJE INT/OM	271.79/7.76	2300

MISSED APPROACH

ILS: AT THE DH. LOC: 6.05 MILES AFTER LEZJE INT/OM OR AT DME FIX.

CLIMB TO 1000 THEN CLIMBING RIGHT TURN TO 2300 DIRECT CAE VORTAC AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD SE, LT, 335 INBOUND.

FAS OBST: 400 POLE 335411/0810845
675 TOWER 335228/0811104
439 TREES 335402/0810930

CHART MALSR RWY 05
CHART ASOS

1. PT R SIDE OF COURSE 229.65 OUTBOUND 2300 FT WITHIN 10 MILES OF LEZJE INT/OM (IAF)
2.
3. FAC: 049.65 FAF: LEZJE DIST FAF TO MAP: 6.05 THLD: 6.05
4. MIN. ALT: LEZJE 2300, IKUPY INT 980 * *LOC ONLY
5. DIST TO THLD FROM OM: 6.05 MM: IM: 150 HAT: 100 HAT: GS ANT: 1300
6. MIN GS INCPT: 2300 GS ALT AT: OM: 2247 MM: IM:
7. GS ANGLE: 3.00 TCH: 58
8. MSA FROM: CAE VORTAC 3100

MAG VAR: 5 W EPOCH YEAR: 1985

MINIMUMS

TAKEOFF: X STANDARD | SEE FAA FORM 8260-15 FOR THIS AIRPORT | ALTERNATE: N A | ILS: @ LOC: STANDARD#

CATEGORY =====>	A			B			C			D			E		
	DH/ MDA	VIS	HAT/HAA	DH/ MDA	VIS	HAT/HAA	DH/ MDA	VIS	HAT/HAA	DH/ MDA	VIS	HAT/HAA	DH/ MDA	VIS	HAT/HAA
S-ILS 5	428	1/2	200	428	1/2	200	428	1/2	200	428	1/2	200			
S-LOC 5	980	1/2	752	980	3/4	752	980	1 3/4	752	980	2	752			
CIRCLING	980	1	744	980	1 1/4	744	980	2 1/4	744	980	2 1/2	744			
IKUPY INT MINIMUMS															
S-LOC 5	660	1/2	432	660	1/2	432	660	3/4	432	660	1	432			
CIRCLING	760	1	524	760	1	524	760	1 1/2	524	860	2	624			

NOTES:

@CATS A/B 800-2, C/D 800-2 1/2

#CATS C/D 800-2 1/2

CITY AND STATE	ELEVATION: 236 TDZE: 228 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
COLUMBIA, SC	COLUMBIA METROPOLITAN	I-GJC	27 MAR 97 ILS RWY 5, ORIG	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

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE

MISSED APPROACH

MAP:

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:

MINIMUMS

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

CATEGORY	A			B			C			D			E		
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/	MDA	VIS	HAT/	MDA	VIS	HAT/	MDA	VIS	HAT/

NOTES:

PROCEDURE CANCELLED EFFECTIVE 27 MAR 97

CITY AND STATE	ELEVATION: 911 TDZE: 901 AIRPORT	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP
WAUKESHA, WI	WAUKESHA COUNTY	I-SKC	LOC RWY 10, AMDT 5 15 OCT 92	AMDT 4
				DATE 5 APR 90

U. S. Department of Transportation
Federal Aviation Administration

ILS - STANDARD INSTRUMENTAPPROACH 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

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
BAE VORTAC	WAUCA OM/INT	212.16/4.28	2800

MISSED APPROACH

ILS: AT THE DH. LOC: 4.02 MILES AFTER WAUCA OR AT DME FIX.

CLIMB TO 1500, THEN
CLIMBING LEFT TURN TO 2800 DIRECT BAE VORTAC AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD W, RT, 090 INBOUND.
FAS OBST: 1109 TREES 430253/881721

1. PT L SIDE OF COURSE 282.95 OUTBOUND 2800 FT WITHIN 10 MILES OF WAUCA (IAF)
2.
3. FAC: 102.95 FAF: WAUCA DIST FAF TO MAP: 4.02 THLD: 4.02
4. MIN. ALT: WAUCA 2300
5. DIST TO THLD FROM OM: 4.02 MM: - IM: - 150 HAT: - 100 HAT: - GS ANT: 1000
6. MIN GS INCPT: 2300 GS ALT AT: OM: 2247 MM: - IM: -
7. GS ANGLE: 3.00 TCH: 55
8. MSA FROM: BAE VORTAC 2800

MAG VAR: 1W EPOCH YEAR: 90

MINIMUMS

TAKEOFF: | | STANDARD | X | SEE FAA FORM 8260-15 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/	DH/ MDA	VIS	HAT/	DH/ MDA	VIS	HAT/	DH/ MDA	VIS	HAT/
S - I L S 10	1102	1/2	200	1102	1/2	200	1102	1/2	200	1102	1/2	200			
S - L O C 10	1360	1/2	458	1360	1/2	458	1360	3/4	458	1360	1	458			
CIRCLING	1440	1	529	1480	1	569	1480	1 1/2	569	1600	2 1/4	689			
MILWAUKEE ALTIMETER SETTING MINIMUMS															
S-ILS 10	1166	1/2	264	1166	1/2	264	1166	1/2	264	1166	1/2	264			
S-LOC 10	1440	1/2	538	1440	1/2	538	1440	1	538	1440	1 1/4	538			
CIRCLING	1500	1	589	1560	1	649	1560	1 3/4	649	1660	2 1/2	749			

NOTES:
WHEN CONTROL TOWER CLOSED, USE MILWAUKEE (GENERAL MITCHELL) ALTIMETER SETTING.
$NA WHEN CONTROL TOWER CLOSED.
CAT D 700-2¼ @ CAT D 800-2¼

CITY AND STATE	ELEVATION: 911 TDZE: 902 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
WAUKESHA, WI	WAUKESHA COUNTY	I-SKC	27 MAR 97 ILS RWY 10, ORIGINAL	AMDT: NONE
				DATED

AIRPORT:GARY REGIONAL CITY:GARY STATE:IN APT ELEV:592
SIAP:VOR/DME OR GPS RWY 2 AMDT:6 EFFECTIVE DATE: 24 FEB 97
SUP:VOR/DME OR GPS RWY 2 AMDT:5A EFFECTIVE DATE:22 JUNE 93
RUNWAY:R02 TDZ ELEV:591 FACILITY:CGT VORTAC FAC ELEV:630 FAC VARIATION:-2 YEAR:1965

FROM	TO	COURSE	DISTANCE	ALTITUDE
FEEDER				
IAF EON VORTAC	CGT VORTAC	032.46	17.50	2300 NOPT
STRAIGHT INTERMEDIATE				
CGT VORTAC	GLINK/CGT 5.00 DME	047.70	5.00	2100
HOLDING IN LIEU OF PT				
IAF CGT VORTAC	HOLD SW, RIGHT TURN, 047.70 INBOUND, 2300			

FAC:047.70 FAF:GLINK/CGT 5.00 DME DIST FAF TO: MAP: THLD:4.22 DIST SDF TO: MAP: THLD:2.22
MIN ALT:CGT VORTAC,2300 ,;GLINK/CGT 5.00 DME,2100 ,;CGT 7.00 DME,1400 .

MAP:CGT 9.22 DME
MISSED APPROACH:
CLIMBING RIGHT TURN TO 2400 DIRECT GYY LOM AND HOLD; OR WHEN DIRECTED BY ATC, CLIMBING RIGHT TURN TO 2400 DIRECT CGT VORTAC AND HOLD SW, RT, 047.70 INBOUND.

MA HOLDING: HOLD SE, RIGHT TURN, 306.49 INBOUND

MSA: FROM CGT VORTAC , WITHIN 25.00 , 2800 090 - 270, 3400 270 - 090

MINIMUMS	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-R02	1040	1	449	1040	1	449	1040	1.25	449	1040	1.5	449		N/A	
CIRCLING	1140	1	548	1140	1	548	1180	1.5	588	1180	2	588		N/A	
CHICAGO MIDWAY ALTIMETER SETTING MINIMUMS															
S-R02	1080	1	489	1080	1	489	1080	1.25	489	1080	1.5	489		N/A	
CIRCLING	1180	1	588	1180	1	588	1220	1.75	628	1220	2	628		N/A	

TAKEOFF MINIMUMS:SEE 8260-15 FOR THIS AIRPORT

ALTERNATE MINIMUMS:# STANDARD # NA WHEN CONTROL TOWER CLOSED.

NOTES:
WHEN CONTROL TOWER CLOSED, USE CHICAGO MIDWAY ALTIMETER SETTING.

ADDITIONAL FLIGHT DATA:
FAS OBST: 778 TOWER 413507/872605...CHART LANSING MUNI.

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AIRPORT:PORTLAND MUNI CITY:PORTLAND STATE:IN APT ELEV:926
SIAP:NDB OR GPS RWY 9 AMDT:2 EFFECTIVE DATE: 24 APR 97
SUP:NDB OR GPS RWY 9 AMDT:1 EFFECTIVE DATE:9 JUNE 83
RUNWAY:R09 TDZ ELEV:926 FACILITY:PLD NDB FAC ELEV:959 FAC VARIATION:3 YEAR:1985

FROM	TO	COURSE	DISTANCE	ALTITUDE
FEEDER				
BERNE	PLD NDB	196.86	12.42	2600

PROCEDURE TURN
IAF PLD NDB RIGHT SIDE OF COURSE 265.00 OUTBOUND 10.00 2600

FAC:085.00 DIST SDF TO: MAP: THLD:
MIN ALT:.

MAP:PLD NDB
MISSED APPROACH:
CLIMB TO 2600 THEN LEFT TURN DIRECT PLD NDB AND HOLD.

MA HOLDING: HOLD W , LEFT TURN, 085.00 INBOUND

MSA: FROM **PLD NDB** , WITHIN 25.00 , 2600

MINIMUMS	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-R09	1540	1	614	1540	1	614	1540	1.75	614	1540	2	614		N/A	
CIRCLING	1540	1	614	1540	1	614	1540	1.75	614	1540	2	614		N/A	
FORT WAYNE ALTIMETER SETTING MINIMUMS															
S-R09	1620	1	694	1620	1	694	1620	2	694	1620	2.25	694		N/A	
CIRCLING	1620	1	694	1620	1	694	1620	2	694	1620	2.25	694		N/A	

TAKEOFF MINIMUMS:STANDARD

ALTERNATE MINIMUMS:NA

NOTES:
OBTAIN LOCAL ALTIMETER SETTING ON CTAF; WHEN NOT RECEIVED,
USE FORT WAYNE ALTIMETER SETTING.

ADDITIONAL FLIGHT DATA:
FAS OBST: 1128 TOWER 402633/850555

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AIRPORT:PORTLAND MUNI
SIAP:NDB OR GPS RWY 27
SUP:NDB OR GPS RWY 27
RUNWAY:R27 TDZ ELEV:926

CITY:PORTLAND
AMDT:7
AMDT:6
FACILITY:PLD NDB

STATE:IN APT ELEV:926
EFFECTIVE DATE: 24 APR 97
EFFECTIVE DATE:9 JUNE 83
FAC ELEV:959 FAC VARIATION:3 YEAR:1985

FROM	TO	COURSE	DISTANCE	ALTITUDE
FEEDER BERNE	PLD NDB	196.86	12.42	2600
PROCEDURE TURN IAF PLD NDB	LEFT SIDE OF COURSE 120.00 OUTBOUND		10.00	2600

FAC:300.00
MIN ALT:.

DIST SDF TO: MAP: THLD:

MAP:PLD NDB
MISSED APPROACH:
CLIMB TO 2600 THEN RIGHT TURN DIRECT PLD NDB AND HOLD.

MA HOLDING: HOLD SE, RIGHT TURN, 300.00 INBOUND

MSA: FROM **PLD NDB** , WITHIN 25.00 , 2600

MINIMUMS	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-R27	1520	1	594	1520	1	594	1520	1.5	594	1520	1.75	594		N/A	
CIRCLING	1520	1	594	1520	1	594	1520	1.5	594	1520	2	594		N/A	
FORT WAYNE ALTIMETER SETTING MINIMUMS															
S-R27	1620	1	694	1620	1	694	1620	2	694	1620	2.25	694		N/A	
CIRCLING	1620	1	694	1620	1	694	1620	2	694	1620	2.25	694		N/A	

TAKEOFF MINIMUMS:STANDARD

ALTERNATE MINIMUMS:NA

NOTES:
OBTAIN LOCAL ALTIMETER SETTING ON CTAF; WHEN NOT RECEIVED, USE FORT WAYNE ALTIMETER SETTING.

ADDITIONAL FLIGHT DATA:
FAS OBST: 1118 WATER TANK 402554/845826
CHART: 1139 FEED MILL 402633/844655

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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

FROM	TO	COURSE AND DISTANCE	ALTITUDE
DQO VORTAC	GLEEM INT/ 5.10 DME	274.00 / 5.10	2000
BAINS INT (IAF)	ASALE INT/ 10.60 DME (NOPT)	049.00 / 1.21(HDG) & 094.00/2.95(DQO R-274)	2000
ASALE	GLEEM	094.00 / 5.50 (DQO R-274)	1700

MISSED APPROACH

MAP:
DQO VORTAC

CLIMB TO 500 THEN CLIMBING RIGHT TURN TO 2000 VIA DQO R-184 TO WACON INT / DQO 6.00 DME & HOLD.

ADDITIONAL FLIGHT DATA:

HOLD S, LT, 004.00 INBOUND.
FAS OBST: 181 TOWER 394058/753647
265 TOWER 393902/754260
245 TOWER 394107/754011
FAC CROSSES RWY C/L EXTENDED 3516 FROM THR

1. PT NA SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD W GLEEM, RT, 094.00 INBOUND, 2000 FT IN LIEU OF PT (IAF)
3. FAC 094.00 FAF GLEEM DIST FAF TO MAP 5.10 THLD 4.50
4. MIN. ALT GLEEM 1700, QWOTE INT/2.00 DME 580
8. MSA FROM: DQO VORTAC 270-090 2500, 090-270 2100

MAG VAR: 10 W EPOCH YEAR: 1980

MINIMUMS

TAKEOFF: X STANDARD | SEE FAA FORM 8260-15 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-9	580	1	500	580	1	500	580	1 1/4	500	580	1 1/2	500		NA	
CIRCLING	580	1	500	580	1	500	580	1 1/2	500	640	2	560		NA	
QWOTE INT MINIMUMS															
S-9	440	1	360	440	1	360	440	1	360	440	1 1/4	360		NA	
CIRCLING	540	1	460	540	1	460	540	1 1/2	460	640	2	560		NA	

NOTES:

INOPERATIVE TABLE DOES NOT APPLY TO ODALS

CITY AND STATE	ELEVATION: 80 TDZE: 80 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP
WILMINGTON, DE	NEW CASTLE COUNTY	DQO	24 APR 97 VOR RWY 9, AMDT 6	AMDT 5A DATE 1/19/96

U. S. Department of Transportation
Federal Aviation Administration

MLS - STANDARD INSTRUMENT APPROACH PROCEDURE FAR PART 97.29

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
MXE VORTAC	RUPER INT/M-BUG 11.00 DME	212.40/17.92	1800
DQO VORTAC	RUPER	268.44/10.28	1800
RUPER	COTAN INT/M-BUG 6.00 DME	087.73/5.00 (M-BUG)	1800

MISSED APPROACH

MLS: AT THE DH. AZ: — MILES AFTER
— OR AT M-BUG 1.31 DME FIX.

CLIMB TO 700 THEN CLIMBING RIGHT TURN TO 2000 VIA DQO R-184 TO WACON INT/DQO 6 DME AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD S, LT, 004.00 INBOUND
FAS OBST: 236 TOWER 394030/754155

BORESITE AZ: 087.73M
LIMITS OF COVERAGE: 048 M (R) TO 128 M (L)

1. PT NA SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD W, RUPER, RT, 087.73 INBOUND, 1800 FT IN LIEU OF PT (IAF)
3. FAC: 087.73 FAF: COTAN DIST FAF TO MAP: — THLD: 4.69
4. MIN. ALT: RUPER 1800, COTAN 1800
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: 953
6. MIN GP INCPT: 1800 GP ALT AT: COTAN 1750 OM: — MM: — IM: —
7. GP ANGLE: 3.00 TCH: 55
8. MSA FROM: DQO VORTAC 270-090 2500, 090-270 2100

MAG VAR: 10W EPOCH YEAR: 80

MINIMUMS

TAKEOFF: X STANDARD ____ SEE FAA FORM 8260-15 FOR THIS AIRPORT ALTERNATE: N A ____ MLS: STANDARD AZ: : 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 MLS-9	330	3/4	250	330	3/4	250	330	3/4	250		NA				
S AZ-9	460	1	380	460	1	380	460	1	380		NA				
CIRCLING	540	1	460	540	1	460	540	1 1/2	460		NA				

NOTES:

CITY AND STATE	ELEVATION: 80 TDZE: 80 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP: NONE
WILMINGTON, DE	NEW CASTLE COUNTY	M-BUG	24 APR 97 MLS RWY 9, ORIG.	AMDT:
				DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV

STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICE - FAR PART 97. 33

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

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
TTH VORTAC	CORIE WP	150.82/10.60	2200
CORIE WP	5.00 ATD FROM FLNTF WP	312.96/5.00	2200

MISSED APPROACH

MAP: FLNTF WP

CLIMBING RIGHT TURN TO 2300 DIRECT TTH VORTAC AND HOLD.

ADDITIONAL FLIGHT DATA:

HOLD NE, RT, 229.00 INBOUND.
FAS OBST: 680 TREE 392727/871734
1.60 ATD 392550.26/871621.98
FAF 5.00 ATD FROM FLNTF WP 392326.03/871315.68

1. PT NA SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD SE CORIE WP, RT, 312.96 INBOUND 2200 FT IN LIEU OF PT (IAF)
3. FAC 312.96 FAF 5.00 ATD FROM FLNTF DIST FAF TO MAP ____ THLD 5.00
4. MIN. ALT CORIE WP 2200, 5.00 ATD FROM FLNTF 2200, 1.60 ATD FROM FLNTF 1100
8. MSA FROM: FLNTF WP 2600

MAG VAR: 2E EPOCH YEAR: 65

MINIMUMS

TAKEOFF: X STANDARD ____ SEE FAA FORM 8260-15 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-31	1000	1	415	1000	1	415	1000	1.25	415	1000	1.25	415			
CIRCLING	1020	1	435	1040	1	455	1040	1.5	455	1140	2	555			

NOTES:

REFERENCE FACILITY ELEVATION - TTH VORTAC 610'

ASR.

CITY AND STATE	ELEVATION: 585 TDZE: 585 AIRPORT	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP RNAV RWY 31
TERRE HAUTE, IN	HULMAN REGIONAL	TTH	24 APR 97 VOR/DME RNAV OR GPS RWY 31, AMDT 7	AMDT 6 DATE 25 SEP 86

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

FROM	TO	COURSE AND DISTANCE	ALTITUDE

MISSED APPROACH

MAP:

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:

MINIMUMS

TAKEOFF: STANDARD SEE FAA FORM 8260-15 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 CANCELLED EFFECTIVE 24 APR 97

CITY AND STATE	ELEVATION: 772 TDZE: AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP
FREMONT, MI	FREMONT MUNI	HIC	VOR OR GPS-A, AMDT 10A 11 JAN 90	AMDT
				DATE

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

FROM	TO	COURSE AND DISTANCE	ALTITUDE

MISSED APPROACH

MAP:

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:

MINIMUMS

TAKEOFF: STANDARD SEE FAA FORM 8260-15 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 24 APR 97.

CITY AND STATE	ELEVATION: 808 TDZE: 801 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP
SPARTANBURG, SC	SPARTANBURG DOWNTOWN MEMORIAL	I-SPA	15 MAR 94 LOC RWY 5, AMDT 2A	AMDT 2 DATE 23 AUG 90

U. S. 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
SPA VORTAC	FREST INT / SPA 15.11 DME	209.81/15.11	2400
FREST INT	MEANS OM	046.58/4.19	2100

MISSED APPROACH

ILS: AT THE DH. LOC: 3.81 MILES AFTER MEANS OM OR AT DME FIX.

CLIMB TO 1300, THEN CLIMBING LEFT TURN TO TO 3000 DIRECT SPA VORTAC AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD N, RT, 194.00 INBOUND

FAS OBST: 923 TREES 345412/815825

1. PT NA SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD SW FREST , RT, 046.58 INBOUND, 2400FT IN-LIEU OF PT (IAF).
3. FAC. 046.58 FAF: MEANS OM DIST FAF TO MAP: 3.81 THLD: 3.81
4. MIN. ALT: FREST 2400, MEANS OM 2100
5. DIST TO THLD FROM OM: 3.81 MM: -- IM: -- 150 HAT: -- 100 HAT: -- GS ANT: 790
6. MIN GS INCPT: 2100 GS ALT AT: ____ OM: 2067 MM: -- IM: --
7. GS ANGLE: 3.00 TCH: 48
8. MSA FROM: SPA VORTAC 044-224 2900, 224-044 5100

MAG VAR: 5W EPOCH YEAR: 1995

MINIMUMS

TAKEOFF: X STANDARD ____ SEE FAA FORM 8260-15 FOR THIS AIRPORT ALTERNATE: N A X 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 5	1001	1/2	200	1001	1/2	200	1001	1/2	200	1001	1/2	200			
S-LOC 5	1180	1/2	379	1180	1/2	379	1180	1/2	379	1180	3/4	379			
CIRCLING	1320	1	519	1320	1	519	1320	1 1/2	519	1420	2	619			

NOTES:
ADF OR DME REQUIRED

CITY AND STATE	ELEVATION: 801 TDZE: 801 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
SPARTANBURG, SC	SPARTANBURG DOWNTOWN MEMORIAL	I-SPA	24 APR 97 ILS RWY 5, ORIG	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

FROM	TO	COURSE AND DISTANCE	ALTITUDE
MQP VORTAC (IAF)	MQP R-143 / 8.90 DME	142.51 / 8.90	2600
MQP R-143 / 8.90 DME	MQP R-143 / 13.90 DME	142.51 / 5.00	2000

MISSED APPROACH

MAP: MQP R-143 / 18.90 DME

CLIMB TO 2000, THEN CLIMBING RIGHT TURN TO 2600 DIRECT MQP VORTAC AND HOLD.

ADDITIONAL FLIGHT DATA:

HOLD SE, LT, 309 INBOUND

FAS OBST: 1055 TREE 322644 / 0975103

1. PT NA SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT MQP VORTAC
3. FAC 142.51 FAF 13.90 DME DIST FAF TO MAP ____ THLD 5.00
4. MIN. ALT MQP VORTAC 2600, 8.90 DME 2600, 13.90 DME 2000
8. MSA FROM: MQP VORTAC 3200

MAG VAR: 9E EPOCH YEAR: 65

MINIMUMS

TAKEOFF: | STANDARD | X | SEE FAA FORM 8260-15 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 - 14	1400	1	624	1400	1	624	1400	1 3/4	624		NA				
CIRCLING	1400	1	623	1400	1	623	1440	1 3/4	663		NA				

NOTES: USE FORT WORTH MEACHAM ALTIMETER SETTING.

CITY AND STATE	ELEVATION: 777 TDZE: 776 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP
GRANBURY, TX	GRANBURY MUNI	MQP	24 APR 97 VOR/DME RWY 14, ORIG	AMDT NONE
				DATE

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

GPS RNAV

STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICE - FAR PART 97. 33

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
OOSIK WP	BIQFI WP	213.59 / 37.99	3000
BIQFI WP	ANPAF WP	041.10 / 8.00	1700

MISSED APPROACH

MAP: RW04

CLIMB TO 3000 DIRECT IQUQU WP AND HOLD.

ADDITIONAL FLIGHT DATA:

HOLD NE, RT, 222.25 INBOUND

FAS OBST: 183 BUSH 701035/1511104

1. PT NA SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD SW OF BIQFI WP, RT, 041.10 INBOUND, 3000 FT. IN LIEU OF PT (IAF)
3. FAC 041.44 FAF ANPAF WP DIST FAF TO MAP - THLD 5.00
4. MIN. ALT BIQFI 3000, ANPAF WP 1700
8. MSA FROM: RW04 1500

MAG VAR: 28E EPOCH YEAR: 95

MINIMUMS

TAKEOFF: X STANDARD | SEE FAA FORM 8260-15 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-4	440	1	402	440	1	402	440	1 1/4	402		NA				
CIRCLING	440	1	402	480	1	442	480	1 1/2	442		NA				
DEADHORSE ALTIMETER SETTING MINIMUMS															
S-4	560	1	522	560	1	522	560	1 1/2	522		NA				
CIRCLING	560	1	522	560	1	522	560	1 1/2	522		NA				

NOTES: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED USE DEADHORSE ALTIMETER SETTING.

INOPERATIVE TABLE DOES NOT APPLY.

PROCEDURE NA AT NIGHT.

CITY AND STATE	ELEVATION: AIRPORT 38 TDZE: 38	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP
NUIQSUT, AK	NUIQSUT	GPS	22 MAY 97 GPS RWY 4, ORIG	AMDT NONE DATE

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

GPS RNAV

STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICE - FAR PART 97. 33

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
OOSIK WP (IAF)	IQUQU WP	193.69 / 12.34	3000
IQUQU WP	ETFAF WP	222.25/8.00	1700

MISSED APPROACH

MAP: RW22

CLIMB TO 3000 DIRECT BIQFI WP AND HOLD

ADDITIONAL FLIGHT DATA:

HOLD SW, RT, 041 INBOUND

FAS OBST: 162 ANTENNA 701250 / 1505927

1. PT NA SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT IQUQU WP
3. FAC 221.91 FAF ETFAF WP DIST FAF TO MAP - THLD 5.00
4. MIN. ALT IQUQU WP 3000, ETFAF WP 1700
8. MSA FROM: RW22 1500

MAG VAR: 28E EPOCH YEAR: 95

MINIMUMS

TAKEOFF: X STANDARD ____ SEE FAA FORM 8260-15 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-22	480	1	442	480	1	442	480	1 1/4	442		NA				
CIRCLING	520	1	482	520	1	482	520	1 1/2	482		NA				
DEADHORSE ALTIMETER SETTING MINIMUMS															
S-22	600	1	562	600	1	562	600	1 1/2	562		NA				
CIRCLING	640	1	602	640	1	602	640	1 3/4	602		NA				

NOTES: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED USE DEADHORSE ALTIMETER SETTING.

PROCEDURE NA AT NIGHT.

CITY AND STATE	ELEVATION: AIRPORT	TDZE:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	
NUIQSUT, AK	NUIQSUT	38	GPS	27 MAY 97 GPS RWY 22, ORIG	SUP / AMDT NONE / DATE

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

GPS RNAV

STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICE - FAR PART 97. 33

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
GAM NDB/DME	EPNOW WP	097.06/24.75	2800
EPNOW WP	CENKA WP	061.40/5.00	1800

MISSED APPROACH

MAP: RW05

CLIMBING LEFT TURN TO 3000 DIRECT EPNOW WP AND HOLD.

ADDITIONAL FLIGHT DATA:

FAS OBST: 140' TREE 634043/1703122
CHART: SVA AWOS-3

1. PT NA SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD SW EPNOW WP, RT, 061.40 INBOUND, 2800 FT. IN LIEU OF PT (IAF).
3. FAC 061.40 FAF CENKA WP DIST FAF TO MAP - THLD 5.00
4. MIN. ALT EPNOW WP 2800, CENKA WP 1800, 2.5 ATD TO RW05 920
8. MSA FROM: RW05 2400

MAG VAR: 13E EPOCH YEAR: 85

MINIMUMS

TAKEOFF: [ ] STANDARD [X] SEE FAA FORM 8260-15 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-05	500	1	447	500	1	447	500	1 1/2	447		NA				
CIRCLING	540	1	487	540	1	487	540	1 1/2	487		NA				

NOTES:
CIRCLING NA SOUTHEAST OF RWY 5-23.

CITY AND STATE	ELEVATION: 53 TDZE: 53 AIRPORT	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP
SAVOONGA, AK	SAVOONGA	GPS	22 MAY 97 GPS RWY 5, ORIGINAL	AMDT
				DATE

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

GPS RNAV

STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICE - FAR PART 97. 33

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

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
TRUEL WP (IAF)	4.00 ATD TO UYRIG WP	158.16/5.25	12700
4.00 ATD TO UYRIG WP	UYRIG WP	158.16/4.00	11500
LILXO WP (IAF)*	UYRIG WP	256.83/9.65	11000
UYRIG WP	4.00 ATD TO ANTEJ WP	256.70/7.00	10100
4.00 ATD TO ANTEJ WP	ANTEJ WP	256.70/4.00	9300

MISSED APPROACH

MAP: SEQRY WP

CLIMB TO 11000 VIA 248 COURSE TO SAWOM WP, THEN VIA 274 COURSE TO AWRAW WP AND HOLD.

ADDITIONAL FLIGHT DATA:

HOLD N, RT, 199 INBOUND

FAS OBST: 6619 TREES 393210/1073502
7179 CASTLE 393139/1073100

CHART ASOS

1. PT NA SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)
2. PROFILE STARTS AT UYRIG WP
3. FAC 256.55 FAF ANTEJ WP DIST FAF TO MAP - THLD 10.00
4. MIN. ALT UYRIG WP 11000, 4.00 ATD TO ANTEJ WP 10100, ANTEJ WP 9300, 5.50 ATD TO SEQRY WP 7900
8. MSA FROM: SEQRY WP 14300

MAG VAR: 12E EPOCH YEAR: 95

MINIMUMS

TAKEOFF: [ ] STANDARD [X] SEE FAA FORM 8260-15 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	7820	1 1/4	2276	7820	1 1/2	2276	7820	3	2276		NA				
CIRCLING	7820	1 1/4	2276	7820	1 1/2	2276	7820	3	2276		NA				

NOTES:

*ARM APPROACH MODE PRIOR TO IAF

CIRCLING NOT AUTHORIZED AT NIGHT SOUTH OF RWY 8-26

CITY AND STATE	ELEVATION: 5544 TDZE: 5544 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP
RIFLE, CO	GARFIELD COUNTY REGIONAL	GPS	22 MAY 97 GPS RWY 26, ORIG	AMDT NONE
				DATE

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

GPS RNAV

STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICE - FAR PART 97. 33

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
HFD VORTAC	NESSA WP	234.61 / 17.00	2000
MAD VOR/DME (IAF)	NESSA WP (NoPT)	339.85 / 8.10	1700

MISSED APPROACH

MAP: RW36

CLIMBING RIGHT TURN TO 2500 DIRECT MIDDL WP AND HOLD

ADDITIONAL FLIGHT DATA:

HOLD W, LT 071 INBOUND
FAS OBST: 469 TREES 412703 / 724716

1. PT NA SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD S NESSA WP, RT, 355.69 IBND, 2000 FT IN LIEU OF PT (IAF)
3. FAC 355.69 FAF NESSA WP DIST FAF TO MAP - THLD 5.00
4. MIN. ALT NESSA WP 1700
8. MSA FROM: RW36 3100

MAG VAR: 14W EPOCH YEAR: 95

MINIMUMS

TAKEOFF: | STANDARD | X | SEE FAA FORM 8260-15 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 - 36	720	1	621	720	1	621		NA			NA				
CIRCLING	740	1	637	740	1	637		NA			NA				
WINDSOR LOCKS ALTIMETER SETTING MINIMUMS															
S - 36	800	1	701	800	1	701		NA			NA				
CIRCLING	820	1	717	820	1	717		NA			NA				

NOTES:
OBTAIN LOCAL ALTIMETER SETTING ON CTAF; WHEN NOT RECEIVED, USE WINDSOR LOCKS ALTIMETER SETTING

CITY AND STATE	ELEVATION: 103 TDZE: 103 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP
MERIDEN, CT	MERIDEN MARKHAM MUNI	GPS	22 MAY 97 GPS RWY 36, ORIG	AMDT NONE DATE

S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTI

GPS RNAV

STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICE - FAR PART 97. 33

Bearings, headings, courses, and radials are magnetic. Elevations and altitu are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet 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
MLB VOR/DME	ACMOD WP	332.61/17.52	2000

MISSED APPROACH

MAP: UDIMY WP

CLIMBING RIGHT TURN TO 2000 DIRECT ACMOD WP AND HOLD.

ADDITIONAL FLIGHT DATA:

FAS OBST: 292 TOWER 282107/0804338
419 TOWER 282100/0804628
115 TOWER 282012/0804143

CHART: R-2931, R-2932, R-2933, R-2934 AND R-2935.
CHART: PATRICK AFB.

1. PT NA SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD W ACMOD WP, RT, 100.29 INBOUND, 2000 FT. IN-LIEU-OF PT (IAF)
3. FAC 100.29 FAF ACMOD WP DIST FAF TO MAP - THLD 6.00
4. MIN. ALT ACMOD WP 2000, 2.0 ATD TO UDIMY WP 800
8. MSA FROM: UDIMY WP 16000

FAC CROSSES RWY C/L EXTENDED 3000 FROM THLD.

MAG VAR: 3W EPOCH YEAR: 85

MINIMUMS

TAKEOFF: | | STANDARD | X | SEE FAA FORM 8260-15 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-11	620	1	613	620	1	613	620	1 3/4	613		NA				
CIRCLING	620	1	613	640	1	633	640	1 3/4	633		NA				

NOTES:
USE PATRICK AFB ALTIMETER SETTING.
CAUTION: BALLOON AND CABLE TO 15000 FEET MSL IN R-2931.

CITY AND STATE	ELEVATION: 7 TDZE: 7 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP
COCOA, FL	MERRITT ISLAND	GPS	22 MAY 97 GPS RWY 11, ORIGINAL	AMDT NONE
				DATE

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

GPS RNAV

STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICE - FAR PART 97. 33

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
CRG VORTAC	ORSOF WP	168.98/12.83	2100
MATEO INT	EFURO WP	342.16/14.85	2000
ORSOF WP (IAF)	TUNJU WP	220.24/5.00	2000
EFURO WP (IAF)	TUNJU WP	040.18/5.00	2000
TUNJU WP	UDUZO WP	130.22/5.00	1600

MISSED APPROACH

MAP: RW13

CLIMB TO 800 THEN CLIMBING LEFT TURN TO 2000 DIRECT ORSOF WP AND HOLD.

ADDITIONAL FLIGHT DATA:

HOLD NE, LT, 220.24 INBOUND.
FAS OBST: 159 TREE 300123/0812513

1. PT NA SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT TUNJU WP.
3. FAC 130.25 FAF UDUZO WP DIST FAF TO MAP - THLD 5.00
4. MIN. ALT TUNJU WP 2000, UDUZO WP 1600
8. MSA FROM: RW13 2300

MAG VAR: 4W EPOCH YEAR: 95

MINIMUMS

TAKEOFF: X STANDARD ____ SEE FAA FORM 8260-15 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-13	420	1	409	420	1	409	420	1 1/4	409	420	1 1/4	409			
CIRCLING	460	1	449	480	1	469	480	1 1/2	469	580	2	569			

NOTES:

CITY AND STATE	ELEVATION: 11 TDZE: 11 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP
ST AUGUSTINE, FL	ST AUGUSTINE	GPS	22 MAY 97 GPS RWY 13, ORIG	AMDT NONE
				DATE

S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTR.

GPS RNAV

STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICE - FAR PART 97. 33

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
MGR VOR/DME	ARGYL WP	113.82/11.14	2000
ARGYL WP (IAF)	UBEDY WP	051.20/5.00	2000

MISSED APPROACH

MAP: RW05

CLIMBING LEFT TURN TO 2000 DIRECT MGR VOR/DME AND HOLD.

ADDITIONAL FLIGHT DATA:

HOLD NW, RT, 114 INBOUND.
FAS OBST: 359 TREES 310622/832852

1. PT NA SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD SW ARGYL WP, RT, 051.20 INBOUND, 2000 FT. IN LIEU OF PT (IAF)
3. FAC 051.23 FAF UBEDY WP DIST FAF TO MAP - THLD 5.00
4. MIN. ALT ARGYL WP 2000, UBEDY WP 2000
8. MSA FROM: RW05 2500

MAG VAR: 4W EPOCH YEAR: 00

MINIMUMS

TAKEOFF: | | STANDARD | X | SEE FAA FORM 8260-15 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 - 5	620	1	384	620	1	384	620	1	384	620	1 1/4	384			
CIRCLING	860	1	624	860	1	624	860	1 3/4	624	860	2	624			
VALDOSTA ALTIMETER SETTING MINIMUMS															
S - 5	680	1	444	680	1	444	680	1 1/4	444	680	1 1/2	444			
CIRCLING	920	1	684	920	1	684	920	2	684	920	2 1/4	684			

NOTES:
OBTAIN LOCAL ALTIMETER SETTING ON CTAF; WHEN NOT RECEIVED, USE VALDOSTA ALTIMETER SETTING.

CITY AND STATE	ELEVATION: 236 TDZE: 236 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP
ADEL, GA	COOK COUNTY	GPS	22 MAY 97 GPS RWY 5, ORIGINAL	AMDT NONE
				DATE

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

GPS RNAV

STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICE - FAR PART 97. 33

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
AYS VORTAC	SIBJU WP	276.80 / 17.95	2300
SIBJU WP (IAF)	OLHUP WP	310.23 / 5.00	2000
UGVEY WP (IAF)	OLHUP WP	130.09 / 12.37	2000
OLHUP WP	EMDIH WP	040.19 / 5.00	1800

MISSED APPROACH

MAP: **RW04**

CLIMB TO 1800 DIRECT IPWEF WP AND HOLD.

ADDITIONAL FLIGHT DATA:

HOLD NE, RT, 220.28 INBOUND.
FAS OBST: 504 TOWER 312421 / 825327.

1. PT **NA** SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. **PROFILE STARTS AT OLHUP WP**
3. FAC **040.22** FAF **EMDIH WP** DIST FAF TO MAP **-** THLD **5.00**
4. MIN. ALT **OLHUP WP 2000, EMDIH WP 1800**
8. MSA FROM: **RW04 2300**

MAG VAR: **3W** EPOCH YEAR: **1985**

MINIMUMS

TAKEOFF: X STANDARD ____ SEE FAA FORM 8260-15 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-4	700	3/4	445	700	3/4	445	700	1 1/4	445	700	1 1/2	445			
CIRCLING	700	1	443	720	1	463	800	1 1/2	543	820	2	563			

NOTES:
IF LOCAL ALTIMETER SETTING NOT RECEIVED, USE WAYCROSS ALTIMETER SETTING AND INCREASE ALL MDAs 80 FEET.

INOPERATIVE TABLE DOES NOT APPLY TO CAT-C.

CITY AND STATE	ELEVATION: 257 TDZE: 255 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP
DOUGLAS, GA	DOUGLAS MUNI	GPS	22 MAY 97 GPS RWY 4, ORIG	AMDT NONE
				DATE

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

GPS RNAV

STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICE - FAR PART 97. 33

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
AMG VORTAC	OVNAF WP	285.69 / 7.93	2000
OVNAF WP (IAF)	PAJTO WP	310.35 / 5.00	2000
PAJTO WP	IPWEF WP	220.31 / 5.00	1800

MISSED APPROACH

MAP: RW22

CLIMB TO 1800 DIRECT EMDIH WP AND HOLD.

ADDITIONAL FLIGHT DATA:

HOLD SW, RT, 040.22 INBOUND.
FAS OBST: 445 TOWER 313024 / 824908.

1. PT NA SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT PAJTO WP
3. FAC 220.28 FAF IPWEF WP DIST FAF TO MAP - THLD 5.00
4. MIN. ALT PAJTO WP 2000, IPWEF WP 1800, 3.00 ATD TO RW22 1100
8. MSA FROM: RW22 2300

MAG VAR: 3W EPOCH YEAR: 1985

MINIMUMS

TAKEOFF: X STANDARD | SEE FAA FORM 8260-15 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-22	760	1	503	760	1	503	760	1 1/2	503	760	1 1/2	503			
CIRCLING	760	1	503	760	1	503	800	1 1/2	543	820	2	563			

NOTES:
IF LOCAL ALTIMETER SETTING NOT RECEIVED, USE WAYCROSS ALTIMETER SETTING AND INCREASE ALL MDAs 80 FEET.

CITY AND STATE	ELEVATION: 257 TDZE: 257 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP
DOUGLAS, GA	DOUGLAS MUNI	GPS	22 MAY 97 GPS RWY 22, ORIG	AMDT NONE
				DATE

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

GPS RNAV

STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICE - FAR PART 97. 33

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
CLASS WP (IAF)*	6 ATD TO CELUS WP	287.86/16.78	7700
6 ATD TO CELUS WP	CELUS WP	287.86/6.00	7200
DIANN WP (IAF)	CELUS WP	084.31/23.53	7200
KARPS WP (IAF)*	CELUS WP	358.16/21.16	7200
CELUS WP	2.5 ATD TO ORRON WP	349.12/5.50	5600
2.5 ATD TO ORRON WP	ORRON WP	349.12/2.50	5000

MISSED APPROACH

MAP: WALBY WP

CLIMBING RIGHT TURN TO 7200 DIRECT CELUS WP AND HOLD.

ADDITIONAL FLIGHT DATA:

HOLD S, RT, 349 INBOUND

FAS OBS: 2906 TREES 481347/1163535
3902 TREES 481240/1163204

CHART: MIRL RWY 01, 19
REIL RWY 01

FAC AIM POINT: RWY 01 THLD

1. PT NA SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT CELUS WP
3. FAC 349.12 FAF ORRON WP DIST FAF TO MAP - THLD 5.00
4. MIN. ALT CELUS WP 7200, 2.5 ATD TO ORRON WP 5600, ORRON WP 5000
8. MSA FROM: WALBY WP 8700

MAG VAR: 18E EPOCH YEAR: 95

MINIMUMS

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

CATEGORY =====>	A			B			C			D			E		
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/ HAA	MDA	VIS	HAT/ HAA	MDA	VIS	HAT/ HAA	MDA	VIS	HAT/ HAA
CIRCLING	3780	1 3/4	1653	3780	1 3/4	1653	3780	3	1653		NA				

NOTES: OBTAIN LOCAL ALTIMETER SETTING ON CTAF, WHEN NOT RECEIVED PROCEDURE NOT AUTHORIZED.

CIRCLING NA W OF RWYS 01-19

* ARM APPROACH MODE PRIOR TO THE IAF

CITY AND STATE	ELEVATION: 2127 TDZE: AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP
SANDPOINT, ID	DAVE WALL FIELD	GPS	22 MAY 97 GPS-B, ORIG	AMDT NONE
				DATE

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

GPS RNAV

STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICE - FAR PART 97. 33

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
PQI VORTAC	ULOVY WP	030.29/11.34	3000
GRINS WP (IAF)	AKYAK WP (NOPT)	192.58/15.02	3000
AKYAK WP	ULOVY WP	187.20/5.00	2100

MISSED APPROACH

MAP: RW19

CLIMBING RIGHT TURN TO 3000 DIRECT PQI VORTAC AND HOLD.

ADDITIONAL FLIGHT DATA:

HOLD SW, LT, 049 INBOUND.

FAS OBST: 919 TREES 465730 / 680230

1. PT NA SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD N ULOVY WP , RT, 187.26 INBOUND, 2400 FT. IN LIEU OF PT (IAF).
3. FAC 187.26 FAF ULOVY WP DIST FAF TO MAP - THLD 5.00
4. MIN. ALT ULOVY WP 2100
8. MSA FROM: RW19 3100

MAG VAR: 20 W EPOCH YEAR: 00

MINIMUMS

TAKEOFF: [ ] STANDARD [X] SEE FAA FORM 8260-15 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-19	1220	1	599	1220	1	599	1220	1 1/2	599	1220	1 3/4	599			
CIRCLING	1240	1	614	1240	1	614	1240	1 3/4	614	1240	2	614			

NOTES:
USE PRESQUE ISLE ALTIMETER SETTING.

CITY AND STATE	ELEVATION: 626 TDZE: 621 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP
CARIBOU, ME	CARIBOU MUNI	GPS	22 MAY 97 GPS RWY 19, ORIG	AMDT NONE
				DATE

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

GPS RNAV

STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICE - FAR PART 97. 33

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
CROIX INT	EFOME WP	167.75/19.24	3000
MLT VOR/DME (IAF) *	CIYEP WP	066.79/34.13	2500
EFOME WP (IAF)	CIYEP WP	141.14/5.00	2500
CIYEP WP	AHOLA WP	051.12./5.00	1800

MISSED APPROACH

MAP: RW05

CLIMB TO 1800, THEN CLIMBING RIGHT TURN TO 2000 DIRECT HUL VOR/DME AND HOLD.

ADDITIONAL FLIGHT DATA:

HOLD SW, LT 044 INBOUND.

FAS OBST: 839 TREES 460540 / 674802
949 TREES 460222 / 675016

GLIDESLOPE COMPUTER SETTING 2.39 DEG
HORIZONTAL DISTANCE MDA TO MAP ON GS 2.24 NM
RWY05 ELEVATION 533

1. PT NA SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT CIYEP WP
3. FAC 051.17 FAF AHOLA WP DIST FAF TO MAP - THLD 5.00
4. MIN. ALT CIYEP WP 2500, AHOLA WP 1800
8. MSA FROM: RW05 3600

MAG VAR: 20 W EPOCH YEAR: 85

MINIMUMS

TAKEOFF: [ ] STANDARD [X] SEE FAA FORM 8260-15 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-5	1100	1	607	1100	1	607	1100	1 3/4	607		NA				
CIRCLING	1100	1	607	1100	1	607	1100	1 3/4	607		NA				

NOTES:

* ARM APPROACH MODE PRIOR TO IAF.

CIRCLING NOT AUTHORIZED SE OF RWY 5-23.

CITY AND STATE	ELEVATION: 493 TDZE: 493 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP
HOULTON, ME	HOULTON INTL	GPS	22 MAY 97 GPS RWY 5, ORIG	AMDT NONE
				DATE

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

GPS RNAV

STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICE - FAR PART 97. 33

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
CROIX WP (IAF)	AZYIV WP	075.17 / 15.80	3300
HUL VOR/DME (IAF)*	AZYIV WP	008.07 / 24.51	3300
AZYIV WP	EHTUT WP	005.75 / 10.00	2300

MISSED APPROACH

MAP: RW01

CLIMB TO 3000 DIRECT PQI VORTAC AND HOLD

ADDITIONAL FLIGHT DATA:

HOLD N, RT 180 INBOUND
FAS OBST: 783 TREE 463822 / 680022
CHART 1313 TREES 463612 / 680026
GLIDESLOPE COMPUTER SETTING 3.38 DEG
HORIZONTAL DISTANCE MDA TO MAP ON GS 1.49 NM
RW01 ELEVATION 504

1. PT NA SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT AZYIV WP
3. FAC 005.71 FAF EHTUT WP DIST FAF TO MAP - THLD 5.00
4. MIN. ALT AZYIV WP 3300, EHTUT WP 2300, 3.00 NM TO RW01 1580
8. MSA FROM: RW01 3100

MAG VAR: 20W EPOCH YEAR: 85

MINIMUMS

TAKEOFF: [ ] STANDARD [X] SEE FAA FORM 8260-15 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-1	1040	1/2	561	1040	1/2	561	1040	1	561	1040	1 1/4	561			
CIRCLING	1100	1	566	1160	1	626	1160	1 3/4	626	1180	2	646			

NOTES:
* ARM APPROACH MODE PRIOR TO IAF

CITY AND STATE	ELEVATION: 534 TDZE: 479 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP
PRESQUE ISLE, ME	NORTHERN MAINE REGIONAL ARPT AT PRESQUE ISLE	GPS	22 MAY 97 GPS RWY 1, ORIGINAL	AMDT NONE
				DATE

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

GPS RNAV

STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICE - FAR PART 97. 33

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
MOLLY INT (IAF)	EWUZU WP	330.44/5.75	7900
EWUZU WP	HAWKE WP	304.11/5.47	6400

MISSED APPROACH

MAP: RW30

CLIMB TO 5100 THEN CLIMBING LEFT TURN TO 6400 DIRECT HAWKE WP AND HOLD.

ADDITIONAL FLIGHT DATA:

HOLD SE, LT, 304.11 INBOUND.
FAS OBST: 4576 TANK 321649/1065519
Glideslope computer setting 3.27.
Horizontal distance MDA to MAP on GS 1.03.

CHART: RESTRICTED AREAS R-5107A AND R-5107B.

1. PT NA SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT EWUZU WP.
3. FAC 304.11 FAF HAWKE WP DIST FAF TO MAP - THLD 5.53
4. MIN. ALT EWUZU WP 7900, HAWKE WP 6400
8. MSA FROM: RW30 10100

MAG VAR: 11E EPOCH YEAR: 90

MINIMUMS

TAKEOFF: | | STANDARD | X | SEE FAA FORM 8260-15 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-30	4840	1/2	399	4840	1/2	399	4840	1/2	399	4840	1	399			
CIRCLING	4880	1	426	4920	1	466	4920	1 1/2	466	5020	2	566			

NOTES: OBTAIN LOCAL ALTIMETER ON CTAF; WHEN NOT RECEIVED PROCEDURE NA.

CITY AND STATE	ELEVATION: 4454 TDZE: 4441 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP
LAS CRUCES, NM	LAS CRUCES INTL	GPS	22 MAY 97 GPS RWY 30, ORIG	AMDT NONE
				DATE

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

GPS RNAV

STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICE - FAR PART 97. 33

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

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
UMAGY WP	MCANN WP	319.41/12.89	3000
GEE VOR/DME (IAF)	CAMEY WP (NOPT)	055.62/13.77	3000
ROC VORTAC (IAF)	CAMEY WP (NOPT)	148.30/9.98	3000
CAMEY WP	MCANN WP (NOPT)	134.93/5.00	2500

MISSED APPROACH

MAP: RW13

CLIMB TO 4000 VIA 142 COURSE TO UMAGY WP AND HOLD

ADDITIONAL FLIGHT DATA:

HOLD E, RT, 283.21 INBOUND

FAS OBST: 1009 TREES 425602/772440

MIRL RWY 13-31

1. PT NA SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD NW MCANN WP, RT, 135.00 INBOUND, 2800 FT. IN LIEU OF PT (IAF)
3. FAC 135.00 FAF MCANN WP DIST FAF TO MAP - THLD 5.00
4. MIN. ALT MCANN WP 2500
8. MSA FROM: RW13 3500

MAG VAR: 12W EPOCH YEAR: 2000

MINIMUMS

TAKEOFF: | | STANDARD | X | SEE FAA FORM 8260-15 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-13	1360	1	546	1360	1	546	1360	1 1/2	546		NA				
CIRCLING	1540	1	726	1540	1	726	1540	2	726		NA				

NOTES: USE GREATER ROCHESTER INTL ALTIMETER SETTING.

CITY AND STATE	ELEVATION: 814 TDZE: 814 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP
CANANDAIGUA, NY	CANANDAIGUA	GPS	22 MAY 97 GPS RWY 13, ORIG	AMDT NONE
				DATE

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
ALB VORTAC	JJH NDB	316.10/27.82	3000

MISSED APPROACH

MAP: JJH NDB

CLIMBING RIGHT TURN TO 3000 IN JJH NDB HOLDING PATTERN

ADDITIONAL FLIGHT DATA:

HOLD W, RT, 084 INBOUND

FAS OBST: 1298 TOWER 425821/0742928

1. PT L SIDE OF COURSE 264.33 OUTBOUND 3000 FT WITHIN 10 MILES OF JJH NDB (IAF)
2.
3. FAC 084.33 FAF DIST FAF TO MAP THLD
4. MIN. ALT
8. MSA FROM: JJH NDB 3800

MAG VAR: 14W EPOCH YEAR: 00

MINIMUMS

TAKEOFF: STANDARD X SEE FAA FORM 8260-15 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	1900	1 1/4	1019	1900	1 1/2	1019		NA			NA				
CIRCLING	1900	1 1/4	1019	1900	1 1/2	1019		NA			NA				
ALBANY COUNTY ALTIMETER SETTING MINIMUMS															
S-10	1940	1 1/4	1059	1940	1 1/2	1059		NA			NA				
CIRCLING	1940	1 1/4	1059	1940	1 1/2	1059		NA			NA				

NOTES: USE SCHENECTADY ALTIMETER SETTING; WHEN NOT RECEIVED USE ALBANY COUNTY ALTIMETER SETTING

CITY AND STATE	ELEVATION: 881 TDZE: 881 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP
JOHNSTOWN, NY	FULTON COUNTY	JJH	22 MAY 97 NDB OR GPS RWY 10, AMDT 1	AMDT ORIGINAL DATE 11/14/91

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

NDB

STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICE - FAR PART 97. 27

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
ALB VORTAC	JJH NDB	316.10/27.82	3000

MISSED APPROACH

MAP: JJH NDB

CLIMBING LEFT TURN TO 3000 IN JJH NDB HOLDING PATTERN

ADDITIONAL FLIGHT DATA:

HOLD E, LT, 292 INBOUND

FAS OBST: 1465 TOWER 425905/0741053

1. PT R SIDE OF COURSE 112.36 OUTBOUND 3000 FT WITHIN 10 MILES OF JJH NDB (IAF)
2.
3. FAC 292.36 FAF DIST FAF TO MAP THLD
4. MIN. ALT
8. MSA FROM: JJH NDB, 3800

MAG VAR: 14W EPOCH YEAR: 00

MINIMUMS

TAKEOFF: STANDARD X SEE FAA FORM 8260-15 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-28	2000	1 1/4	1119	2000	1 1/2	1119		NA			NA				
CIRCLING	2000	1 1/4	1119	2000	1 1/2	1119		NA			NA				
ALBANY COUNTY ALTIMETER SETTING MINIMUMS															
S-28	2020	1 1/4	1139	2020	1 1/2	1139		NA			NA				
CIRCLING	2020	1 1/4	1139	2020	1 1/2	1139		NA			NA				

NOTES:
USE SCHENECTADY COUNTY ALTIMETER SETTING; WHEN NOT RECEIVED
USE ALBANY COUNTY ALTIMETER SETTING

CITY AND STATE	ELEVATION: 881 TDZE: 881 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP
JOHNSTOWN, NY	FULTON COUNTY	JJH	22 MAY 97 NDB RWY 28, AMDT 1	AMDT ORIGINAL
				DATE 16 AUG 91

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

GPS RNAV

STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICE - FAR PART 97. 33

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
UCA VORTAC	LURYO WP	105.56/47.11	4000
ALB VORTAC (IAF)	LURYO WP (NoPT)	333.78/19.89	3000
LURYO WP	IQHET WP	283.44/5.00	2200

MISSED APPROACH

MAP: RW28

CLIMB TO 4000 DIRECT ROOMS WP AND HOLD

ADDITIONAL FLIGHT DATA:

HOLD E, RT, 285 INBOUND

FAS OBST: 1099 TREE 430052/0741320

1. PT NA SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD E OF LURYO WP, LT, 283.36 INBOUND, 3000 FT IN LIEU OF PT
3. FAC 283.36 FAF IQHET WP DIST FAF TO MAP – THLD 5.00
4. MIN. ALT LURYO WP 3000, IQHET WP 2200
8. MSA FROM: RW28 3800

MAG VAR: 14W EPOCH YEAR: 00

MINIMUMS

TAKEOFF: | | STANDARD | X | SEE FAA FORM 8260-15 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-28	1480	1	599	1480	1	599		NA			NA				
CIRCLING	1480	1	599	1480	1	599		NA			NA				
ALBANY COUNTY ALTIMETER SETTING MINIMUMS															
S-28	1500	1	619	1500	1	619		NA			NA				
CIRCLING	1500	1	619	1500	1	619		NA			NA				

NOTES:
USE SCHENECTADY COUNTY ALTIMETER SETTING, WHEN NOT RECEIVED USE ALBANY COUNTY ALTIMETER SETTING

CITY AND STATE	ELEVATION: 881 TDZE: 881 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP
JOHNSTOWN, NY	FULTON COUNTY	GPS	22 MAY 97 GPS RWY 28, ORIG	AMDT NONE
				DATE

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

GPS RNAV

STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICE - FAR PART 97. 33

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
ECG VOR/DME	12.0 ATD TO OTETY WP	049.97/4.76	4000
12.0 ATD TO OTETY WP	OTETY WP	049.97/12.00	1600
SUNNS INT	MOYVE WP	087.65/16.89	2500
MOYVE WP	OTETY WP	109.24/10.47	2000

MISSED APPROACH

MAP: RW22

CLIMB TO 800 THEN CLIMBING RIGHT TURN TO 2500 DIRECT MOYVE WP AND HOLD.

ADDITIONAL FLIGHT DATA:

HOLD S, LT, 348.00 INBOUND.
FAS OBST: 122 TREE 362412/760058
CHART: 3000 BALLOON 361359/760759
373 TOWER 362631/760604
358 TOWER 362054/755728
274 TOWER 362225/755757
MIRL RWY 04-22
PAPI RWY 04

1. PT NA SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD NE OTETY WP, RT, 225.05 INBOUND, 1600 FT. IN LIEU OF PT (IAF).
3. FAC 225.05 FAF OTETY WP DIST FAF TO MAP - THLD 5.00
4. MIN. ALT OTETY WP 1600
8. MSA FROM: RW22 4000

MAG VAR: 10W EPOCH YEAR: 95

MINIMUMS

TAKEOFF: | | STANDARD | X | SEE FAA FORM 8260-15 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 - 22	440	1	422	440	1	422	440	1 1/4	422	440	1 1/4	422			
CIRCLING	500	1	482	500	1	482	500	1 1/2	482	580	2	562			

NOTES:
USE NAS OCEANA/SOUCEK, VA ALTIMETER SETTING.

CITY AND STATE	ELEVATION: 18 TDZE: 18 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP
CURRITUCK, NC	CURRITUCK COUNTY	GPS	22 MAY 97 GPS RWY 22, ORIG	AMDT NONE
				DATE

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

GPS RNAV

STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICE - FAR PART 97. 33

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
JMS VOR/DME (IAF)	IWACU WP (NOPT)	324.51/26.44	3100
IWACU WP	ORUTE WP	312.84/5.00	3100

MISSED APPROACH

MAP: RW31

CLIMBING RIGHT TURN TO 3100 DIRECT IWACU WP AND HOLD.

ADDITIONAL FLIGHT DATA:

FAS OBST: 1850 TANK 472641/990725
CHART: MIRL 13, 31

1. PT NA SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD SE IWACU WP, RT, 312.79 INBOUND, 3100 FT IN LIEU OF PT (IAF).
3. FAC 312.73 FAF ORUTE WP DIST FAF TO MAP - THLD 5.00
4. MIN. ALT IWACU WP 3100, ORUTE WP 3100
8. MSA FROM: RW31 3600

MAG VAR: 7E EPOCH YEAR: 00

MINIMUMS

TAKEOFF: X STANDARD ____ SEE FAA FORM 8260-15 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-31	2200	1	596	2200	1	596	2200	1 1/2	596		NA				
CIRCLING	2300	1	694	2300	1	694	2300	2	694		NA				

NOTES:
USE JAMESTOWN ALTIMETER SETTING.

PROCEDURE NA AT NIGHT.

CITY AND STATE	ELEVATION: AIRPORT	TDZE:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	
CARRINGTON, ND	1606 CARRINGTON MUNI	1604	GPS	22 MAY 97 GPS RWY 31, ORIG	SUP / AMDT NONE / DATE

FAA FORM 8260 - 5 / February 1995 (computer generated)

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

GPS RNAV

STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICE - FAR PART 97. 33

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
DVL VOR/DME (IAF)*	UTACI WP (NoPT)	320.29/44.01	3300
UTACI WP	SEMGE WP	322.09/5.00	3300

MISSED APPROACH

MAP: RW 32

CLIMBING LEFT TURN TO 4000 DIRECT UTACI WP AND HOLD.

ADDITIONAL FLIGHT DATA:

FAS OBST: 1899 TREE 485048/993522
CHART: KDVL AWOS-3

1. PT NA SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. Hold SE UTACI WP, RT, 322.05 inbound, 3300 ft in lieu of PT (IAF).
3. FAC 322.05 FAF SEMGE WP DIST FAF TO MAP - THLD 5.00
4. MIN. ALT UTACI WP 3300, SEMGE WP 3300
8. MSA FROM: RW 32 3600

MAG VAR: 8E EPOCH YEAR: 00

MINIMUMS

TAKEOFF: X STANDARD ____ SEE FAA FORM 8260-15 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-32	2340	1	522	2340	1	522	2340	1 1/2	522	2340	1 3/4	522			
CIRCLING	2460	1	638	2460	1	638	2480	1 3/4	658	2660	2 3/4	838			

NOTES:
USE DEVILS LAKE ALTIMETER SETTING.

* ARM APPROACH MODE PRIOR TO IAF.

CITY AND STATE	ELEVATION: AIRPORT	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	
ROLLA, ND	1822 TDZE: 1818 ROLLA MUNI	GPS	22 MAY 97 GPS RWY 32, ORIGINAL	SUP AMDT NONE DATE

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

GPS RNAV

STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICE - FAR PART 97. 33

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
ETG VORTAC	OBILE WP	195.55/8.66	5000
TON VORTAC	NUPCE WP	032.67/11.60	5000
OBILE WP (IAF)	EPAFI WP	209.06/5.00	4000
NUPCE WP (IAF)	EPAFI WP	029.02/5.00	4000
PSB VORTAC (IAF)	EPAFI WP	306.23/10.35	4000
EPAFI WP	EZMEC WP	299.04/5.00	3000

MISSED APPROACH

MAP: RW30

CLIMBING LEFT TURN TO 4000 DIRECT EPAFI WP AND HOLD

ADDITIONAL FLIGHT DATA:

FAS OBST: 1672 WATER TOWER 410248/782331

1. PT NA SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT EPAFI WP
3. FAC 298.97 FAF EZMEC WP DIST FAF TO MAP - THLD 5.00
4. MIN. ALT EPAFI WP 4000, EZMEC WP 3000, 2.60 ATD TO RW30 2520
8. MSA FROM: RW30 4100

MAG VAR: 10 W EPOCH YEAR: 00

MINIMUMS

TAKEOFF: | | STANDARD | X | SEE FAA FORM 8260-15 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-30	2120	1	604	2120	1	604	2120	1 3/4	604	2120	2	604			
CIRCLING	2360	1	844	2360	1 1/4	844	2360	2 1/2	844	2540	3	1024			

NOTES: USE DUBOIS ALTIMETER SETTING

CITY AND STATE	ELEVATION: 1516 TDZE: 1516 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP
CLEARFIELD, PA	CLEARFIELD-LAWRENCE	GPS	22 MAY 97 GPS RWY 30, ORIG	AMDT NONE
				DATE

U. S. Department of Transportation
Federal Aviation Administration

ILS - STANDARD INSTRUMENTAPPROACH PROCEDURE

FAR PART 97.29

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
GRUNZ/RADAR/MMJ 17.03 DME	WYLER INT/MMJ 9.25 DME	324.40/7.79 (I-TQW)	4000*
WYLER	TRINY INT/OM/MMJ 4.04 DME	324.40/5.24 (I-TQW)	2500

MISSED APPROACH

ILS: AT THE DH. LOC: NA MILES AFTER

OR AT DME FIX.

CLIMBING LEFT TURN TO 4000 DIRECT AGC VOR/DME AND HOLD.

ADDITIONAL FLIGHT DATA:

HOLD S, RT, 354.00 INBOUND.

DEPICT LOC RWY 28R

1. PT NA SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT GRUNZ
3. FAC: 324.40 FAF: TRINY DIST FAF TO MAP: - THLD: 3.97
4. MIN. ALT: GRUNZ 6000, WYLER 4000*
5. DIST TO THLD FROM OM: 3.97 MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: 1000
6. MIN GS INCPT: 4000* GS ALT AT: TRINY OM: 2449 MM: - IM: -
7. GS ANGLE: 3.00 TCH: 56
8. MSA FROM: MMJ VORTAC 3100

MAG VAR: 8W EPOCH YEAR: 95

MINIMUMS

TAKEOFF: X STANDARD ____ SEE FAA FORM 8260-15 FOR THIS AIRPORT

ALTERNATE: N A X 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 32	1945	2 3/4	822	1945	2 3/4	822	1945	2 3/4	822		NA				
S-LOC		NA			NA			NA			NA				
CIRCLING		NA			NA			NA			NA				

NOTES:
RADAR REQUIRED.
*2600 WHEN AUTHORIZED BY ATC.
SIMULTANEOUS CONVERGING APPROACH AUTHORIZED WITH RWY 28R.

CITY AND STATE	ELEVATION: 1204 TDZE: 1123 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
PITTSBURGH, PA	PITTSBURGH INTL	I-TQW	22 MAY 97 CONVERGING ILS RWY 32, AMDT 2	AMDT: 1
				DATED: 10/9/96

U. S. Department of Transportation
Federal Aviation Administration

ILS - STANDARD INSTRUMENTAPPROACH 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
AGC VOR/DME (IAF)	WYLER INT/MMJ 9.25 DME	057.00/2.88 (AGC R-057) & 324.40 /5 (I-TQW) (MMJ LR 153)	4000*
GRUNZ/RADAR/MMJ 17.03 DME	WYLER	324.40/7.79 (I-TQW)	4000*
WYLER	TRINY INT/OM/MMJ 4.04 DME	324.40/5.24 (I-TQW)	2500#

MISSED APPROACH

ILS: AT THE DH. LOC: 3.97 MILES AFTER TRINY INT/OM OR AT DME FIX.

CLIMB TO 4000 VIA HEADING 320 AND EWC R-193 TO EWC VORTAC AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD N, RT, 182.00 INBOUND.
FAS OBST: 1290 TWR 402603/800753
1298 TWR 402415/800718

1. PT NA SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT GRUNZ
3. FAC: 324.40 FAF: TRINY DIST FAF TO MAP: 3.97 THLD: 3.97
4. MIN. ALT: GRUNZ 6000, WYLER 4000*, TRINY OM 2500# #LOC ONLY
5. DIST TO THLD FROM OM: 3.97 MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: 1000
6. MIN GS INCPT: 4000* GS ALT AT: TRINY OM: 2449 MM: - IM: -
7. GS ANGLE: 3.00 TCH: 56
8. MSA FROM: MMJ VORTAC 3100

MAG VAR: 8W EPOCH YEAR: 95

MINIMUMS

TAKEOFF: [X] STANDARD [ ] SEE FAA FORM 8260-15 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 32	1323	4000	200	1323	4000	200	1323	4000	200	1323	4000	200			
S-LOC 32	1680	4000	557	1680	4000	557	1680	1 1/2	557	1680	1 3/4	557			
CIRCLING	1700	1	496	1700	1	496	1700	1 1/2	496	1760	2	556			

NOTES: *2600 WHEN AUTHORIZED BY ATC.

INOPERATIVE TABLE DOES NOT APPLY TO S-32 LOC CATS C & D.

CITY AND STATE	ELEVATION: 1204 TDZE: 1123 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
PITTSBURGH, PA	PITTSBURGH INTL	I-TQW	22 MAY 97 ILS RWY 32, AMDT 9	AMDT: 8A
				DATED: 6/28/96

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

GPS RNAV

STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICE - FAR PART 97. 33

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

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
SAV VORTAC	OSAPY WP	074.77/24.97	2000
TERLY WP (IAF)	OSAPY WP (NoPT)	211.17/19.16	1600

MISSED APPROACH

MAP:
RIMIF WP

CLIMB TO 1600 VIA COURSE 211 TO GORGE WP AND HOLD.

ADDITIONAL FLIGHT DATA:

HOLD SW, RT, 031.03 INBOUND

FAS OBST: 120 TREES 321351/804142

1. PT NA SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD NE OSAPY WP, LT, 211.08 INBOUND, 1600 FT, IN LIEU OF PT (IAF)
3. FAC 211.08 FAF OSAPY WP DIST FAF TO MAP — THLD 4.84
4. MIN. ALT OSAPY WP 1600
8. MSA FROM: RIMIF WP 2400

MAG VAR: 5W EPOCH YEAR: 90

MINIMUMS

TAKEOFF: X STANDARD | SEE FAA FORM 8260-15 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	440	1	421	440	1	421	440	1 1/4	421	440	1 1/4	421			
CIRCLING	540	1	520	540	1	520	640	1 3/4	620	640	2	620			

NOTES: USE SAVANNAH ALTIMETER SETTING

CITY AND STATE	ELEVATION: 20 TDZE: 19 AIRPORT	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP
HILTON HEAD ISLAND, S.C.	HILTON HEAD	GPS	22 MAY 97 GPS RWY 21 ORIG	AMDT NONE
				DATE

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

GPS RNAV

STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICE - FAR PART 97. 33

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

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
WIDER INT	TEPID WP	048.00/7.13	3000

MISSED APPROACH

MAP: RW04

CLIMBING RIGHT TURN TO 2100 DIRECT TEPID WP AND HOLD.

ADDITIONAL FLIGHT DATA:

FAS OBST: 700 TREE 341846/810659

1. PT NA SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD SW TEPID WP, LT, 043.21 INBOUND, 2100FT. IN LIEU OF PT (IAF).
3. FAC 043.21 FAF TEPID WP DIST FAF TO MAP – THLD 5.00
4. MIN. ALT TEPID WP 2100
8. MSA FROM: RW04 3100

MAG VAR: 5W EPOCH YEAR: 90

MINIMUMS

TAKEOFF: X STANDARD ____ SEE FAA FORM 8260-15 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-4	1060	1	483	1060	1	483	1060	1 1/4	483	1060	1 1/2	483			
CIRCLING	1100	1	523	1100	1	523	1100	1 1/2	523	1160	2	583			

NOTES:
USE COLUMBIA METROPOLITAN ALTIMETER SETTING.

CITY AND STATE	ELEVATION: 577 TDZE: 577 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP
WINNSBORO, SC	FAIRFIELD COUNTY	GPS	22 MAY 97 GPS RWY 4, ORIG	AMDT NONE
				DATE

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

LOC/DME

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

FROM	TO	COURSE AND DISTANCE	ALTITUDE
ATY VORTAC	BURDS/I-ATY 4.64 DME	335.50/1.40	4000

MISSED APPROACH

MAP:
I-ATY 0.49 DME

CLIMB TO 4000 VIA I-ATY SOUTH COURSE
TO LICAN LOM/I-ATY 7.30 DME AND HOLD.

ADDITIONAL FLIGHT DATA:

HOLD S , RT, 354 INBOUND.
FAS OBST: 1859 TREES 445850/970860.
CHART: REILS PCL RWY 17.
CHART PROFILE NOTE: USE I-ATY DME WHEN ON LOC COURSE.

1. PT L SIDE OF COURSE 354.25 OUTBOUND 4000 FT WITHIN 10 MILES OF BURDS (IAF)
2.
3. FAC 174.25 FAF BURDS DIST FAF TO MAP – THLD 4.90
4. MIN. ALT BURDS 3300
8. MSA FROM: ATY VORTAC 040-240 3600, 240-040 4600

MAG VAR: 6E EPOCH YEAR: 85

MINIMUMS

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

CATEGORY =====>	A			B			C			D			E		
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/ HAA	MDA	VIS	HAT/ HAA	MDA	VIS	HAT/ HAA	MDA	VIS	HAT/ HAA
S-17	2120	1	381	2120	1	381	2120	1	381	2120	1 1/4	381			
CIRCLING	2260	1	512	2260	1	512	2260	1 1/2	512	2300	2	552			

NOTES:
DISREGARD GLIDE SLOPE INDICATIONS.

CITY AND STATE	ELEVATION: 1748 TDZE: 1739 AIRPORT	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP
WATERTOWN, SD	WATERTOWN MUNI	I-ATY	22 MAY 97 LOC/DME BC RWY 17, AMDT 9	AMDT 8A DATE 06/14/94

AIRPORT:WATERTOWN MUNI CITY:WATERTOWN STATE:SD APT ELEV:1748
SIAP:NDB OR GPS RWY 35 AMDT:8 EFFECTIVE DATE:22 MAY 97
SUP:NDB OR GPS RWY 35 AMDT:7 EFFECTIVE DATE:01/14/88
RUNWAY:R35 TDZ ELEV:1744 FACILITY:AT LOM FAC ELEV:1760 FAC VARIATION:-6 YEAR:1985

FROM	TO	COURSE	DISTANCE	ALTITUDE
FEEDER				
ATY VORTAC	AT LOM	172.94	10.59	4000
PROCEDURE TURN				
IAF AT LOM	LEFT SIDE OF COURSE 174.25 OUTBOUND		10.00	4000

FAC:353.57 FAF:AT LOM DIST FAF TO: MAP:5.90 THLD: DIST SDF TO: MAP: THLD:
MIN ALT:AT LOM,3800 .

MAP:5.90 MILES AFTER AT LOM
MISSED APPROACH:
CLIMB TO 4000 THEN LEFT TURN DIRECT AT LOM AND HOLD

MA HOLDING: HOLD S , RIGHT TURN, 353.57 INBOUND

MSA: FROM AT LOM , WITHIN 25.00 , 3600 030 - 270, 4600 270 - 025

MINIMUMS	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-R35	2300	.75	556	2300	.75	556	2300	1	556	2300	1.5	556		N/A	
CIRCLING	2300	1	552	2300	1	552	2300	1.5	552	2300	2	552		N/A	

TAKEOFF MINIMUMS:STANDARD

ALTERNATE MINIMUMS:STANDARD

NOTES:

ADDITIONAL FLIGHT DATA:
FAS OBST: 1989 P-LINE 445007/970830
CHART RWY 17 REILS PCL

BEARINGS, HEADINGS, COURSES AND RADIALS ARE MAGNETIC. ELEVATIONS AND ALTITUDES ARE IN FEET, MSL, EXCEPT HAT, HAA, AND RA.
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DISTANCES ARE IN NAUTICAL MILES UNLESS OTHERWISE INDICATED, EXCEPT VISIBILITIES WHICH ARE IN STATUTE MILES OR IN FEET RVR.

AIRPORT:WATERTOWN MUNI CITY:WATERTOWN STATE:SD APT ELEV:1748
SIAP:VOR OR TACAN OR GPS RWY 17 AMDT:16 EFFECTIVE DATE: 22 MAY 97
SUP:VOR OR TACAN OR GPS RWY 17 AMDT:15 EFFECTIVE DATE:04/28/94
RUNWAY:R17 TDZ ELEV:1739 FACILITY:ATY VORTAC FAC ELEV:1750 FAC VARIATION:-9 YEAR:1965

FROM	TO		COURSE	DISTANCE	ALTITUDE
PROCEDURE TURN					
IAF ATY VORTAC	LEFT SIDE OF COURSE	357.37 OUTBOUND		10.00	4000

FAC:177.37 FAF:ATY VORTAC DIST FAF TO: MAP:3.57 THLD:3.57 DIST SDF TO: MAP: THLD:
MIN ALT:ATY VORTAC,2800 .

MAP:3.57 MILES AFTER ATY VORTAC OR AT 3.57 DME
MISSED APPROACH:
CLIMB TO 4000 THEN LEFT TURN DIRECT ATY VORTAC AND HOLD (TACAN AIRCRAFT CLIMB TO 5000 VIA R-177 TO VESTY 15 DME AND HOLD SOUTH RIGHT TURN, 357 INBOUND)

MA HOLDING: HOLD N , RIGHT TURN, 177.37 INBOUND

MSA: FROM ATY VORTAC , WITHIN 25.00 , 3600 040 - 240, 4600 240 - 040

MINIMUMS	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-R17	2160	1	421	2160	1	421	2160	1.25	421	2160	1.25	421		N/A	
CIRCLING	2260	1	512	2260	1	512	2260	1.5	512	2300	2	552		N/A	

TAKEOFF MINIMUMS:STANDARD

ALTERNATE MINIMUMS:STANDARD

NOTES:

ADDITIONAL FLIGHT DATA:
FAS OBST: 1899 TREES 445552/0970727
CHART REILS PCL RWY 17

BEARINGS, HEADINGS, COURSES AND RADIALS ARE MAGNETIC. ELEVATIONS AND ALTITUDES ARE IN FEET, MSL, EXCEPT HAT, HAA, AND RA.
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DISTANCES ARE IN NAUTICAL MILES UNLESS OTHERWISE INDICATED, EXCEPT VISIBILITIES WHICH ARE IN STATUTE MILES OR IN FEET RVR.

AIRPORT:WATERTOWN MUNI CITY:WATERTOWN STATE:SD APT ELEV:1748
SIAP:VOR/DME OR TACAN RWY 35 AMDT:11 EFFECTIVE DATE: 22 MAY 97
SUP:VOR/DME OR TACAN RWY 35 AMDT:10 EFFECTIVE DATE:04/28/94
RUNWAY:R35 TDZ ELEV:1744 FACILITY:ATY VORTAC FAC ELEV:1750 FAC VARIATION:-9 YEAR:1965

FROM	TO	COURSE	DISTANCE	ALTITUDE
FEEDER				
ATY VORTAC	ASTLE	175.90	10.00	4000

PROCEDURE TURN
IAF ASTLE LEFT SIDE OF COURSE 175.90 OUTBOUND 10.00 4000

FAC:355.90 FAF:ASTLE/ATY 10.00 DME DIST FAF TO: MAP: THLD:5.30 DIST SDF TO: MAP: THLD:
MIN ALT:ASTLE/ATY 10.00 DME ,3400 .

MAP:ATY 4.70 DME
MISSED APPROACH:
CLIMB TO 4000 THEN LEFT TURN DIRECT ASTLE AND HOLD

MA HOLDING: HOLD S , RIGHT TURN, 355.90 INBOUND

MSA: FROM ATY VORTAC , WITHIN 25.00 , 3600 040 - 240, 4600 240 - 040

MINIMUMS	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-R35	2240	.5	496	2240	.5	496	2240	.75	496	2240	1	496		N/A	
CIRCLING	2260	1	512	2260	1	512	2260	1.5	512	2300	2	552		N/A	

TAKEOFF MINIMUMS:STANDARD

ALTERNATE MINIMUMS:STANDARD

NOTES:

ADDITIONAL FLIGHT DATA:
FAS OBST: 1989 P-LINE 445007/970831
CHART RWY 17 REILS PCL
FAC CROSSES RWY C/L AT THLD

BEARINGS, HEADINGS, COURSES AND RADIALS ARE MAGNETIC. ELEVATIONS AND ALTITUDES ARE IN FEET, MSL, EXCEPT HAT, HAA, AND RA.
ALTITUDES ARE MINIMUM ALTITUDES UNLESS OTHERWISE INDICATED. CEILINGS ARE 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

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
ATY VORTAC	LICAN LOM/I-ATY 7.28 DME	172.94/10.59	4000

MISSED APPROACH

ILS: AT THE DH. LOC: 5.90 MILES AFTER LICAN LOM. OR AT I-ATY 1.39 DME FIX.

CLIMB TO 4000 THEN LEFT TURN DIRECT LICAN LOM/ ATY 7.28 DME.

ADDITIONAL FLIGHT DATA:
HOLD S, RT, 354 INBOUND.
FAS OBST: 1825 LIGHT ON HOPPER 445329/970910.
CHART RWY 17 REILS PCL.
CHART PROFILE NOTE: USE I-ATY DME WHEN ON LOC COURSE.

1. PT L SIDE OF COURSE 174.25 OUTBOUND 4000 FT WITHIN 10 MILES OF LICAN (IAF)
2.
3. FAC: 354.25 FAF: LICAN DIST FAF TO MAP: 5.90 THLD: 5.90
4. MIN. ALT: LICAN 3800, I-ATY 3.29 2240* *LOC ONLY
5. DIST TO THLD FROM OM: 5.90 MM: .47 IM: 150 HAT: 100 HAT: GS ANT: 987
6. MIN GS INCPT: 3800 GS ALT AT: OM: 3707 MM: 1945 IM:
7. GS ANGLE: 3.00 TCH: 53
8. MSA FROM: LICAN 030-270 3600, 270-030 4600

MAG VAR: 6E EPOCH YEAR: 85

MINIMUMS

TAKEOFF: X STANDARD SEE FAA FORM 8260-15 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 - I L S 35	1944	1/2	200	1944	1/2	200	1944	1/2	200	1944	1/2	200			
S - L O C 35	2240	1/2	496	2240	1/2	496	2240	3/4	496	2240	1	496			
CIRCLING	2260	1	512	2260	1	512	2260	1 1/2	512	2300	2	552			
DME MINIMUMS															
S-LOC 35	2080	1/2	336	2080	1/2	336	2080	1/2	336	2080	3/4	336			
CIRCLING	2260	1	512	2260	1	512	2260	1 1/2	512	2300	2	552			

NOTES:
ADF OR DME REQUIRED.
S-LOC 35 DME MINIMUMS, INCREASE CAT D VIS 1/4 MILE FOR INOPERATIVE MALSR.

CITY AND STATE	ELEVATION: 1748 TDZE: 1744 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
WATERTOWN, SD	WATERTOWN MUNI	I-ATY	22 MAY 97 ILS RWY 35, AMDT 10	AMDT: 9
				DATE 04/28/94

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

GPS RNAV

STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICE - FAR PART 97. 33

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
ZIVNY WP (IAF)	VAGDY WP	149.94 / 6.73	1800

MISSED APPROACH

MAP: YIBPE WP

CLIMBING RIGHT TURN TO 2500 DIRECT ZIVNY WP AND HOLD.

ADDITIONAL FLIGHT DATA:

HOLD NW, RT, 149.94 INBOUND

FAS OBST: 849 TOWER 351322 / 900237.

1. PT NA SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT ZIVNY WP
3. FAC 149.97 FAF VAGDY WP DIST FAF TO MAP - THLD 5.45
4. MIN. ALT ZIVNY WP 2500, VAGDY WP 1800
8. MSA FROM: YIBPE WP 2500

MAG VAR: 2E EPOCH YEAR: 1985

MINIMUMS

TAKEOFF: | | STANDARD | X | SEE FAA FORM 8260-15 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-16	1000	1	776	1000	1 1/4	776	1000	2 1/4	776		NA				
CIRCLING	1200	1 1/4	976	1200	1 1/2	976	1200	3	976		NA				

NOTES:

USE MEMPHIS ALTIMETER SETTING.

CITY AND STATE	ELEVATION: 224 TDZE: 224 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP
MEMPHIS, TN	GENERAL DEWITT SPAIN	GPS	22 MAY 97 GPS RWY 16, ORIG.	AMDT NONE
				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

FROM	TO	COURSE AND DISTANCE	ALTITUDE

MISSED APPROACH

MAP: **4.62 MILES AFTER GARBO INT OR MHF 316.28/17.62 DME**

CLIMB TO 1600 DIRECT CLUNY INT AND HOLD.

ADDITIONAL FLIGHT DATA:

HOLD SE, RT, 316.28 INBOUND.

FAS OBST: 186 TOWER 294915/0945756

1. PT **NA** SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. **PROFILE STARTS AT GARBO INT/MHF VOR/DME R-316/ 23.00 DME/RADAR**
3. FAC **136.27** FAF **GARBO INT** DIST FAF TO MAP **4.84** THLD **4.84**
4. MIN. ALT **GARBO INT 1700**
8. MSA FROM: **MHF VOR/DME 2400**

MAG VAR: **7E** EPOCH YEAR: **85**

MINIMUMS

TAKEOFF: X STANDARD ____ SEE FAA FORM 8260-15 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-14	**500**	**1**	**467**	**500**	**1**	**467**		**NA**			**NA**				
CIRCLING	**520**	**1**	**487**	520	**1**	**487**		**NA**			**NA**				
HOUSTON (WILLIAM P. HOBBY) ALTIMETER SETTING MINIMUMS															
S-14	**540**	**1**	**507**	**540**	**1**	**507**		**NA**			**NA**				
CIRCLING	**560**	**1**	**527**	**560**	**1**	**527**		**NA**			**NA**				

NOTES:

RADAR REQUIRED.

OBTAIN LOCAL ALTIMETER SETTING ON CTAF; WHEN NOT RECEIVED, USE HOUSTON (WILLIAM P. HOBBY) ALTIMETER SETTING.

CITY AND STATE	ELEVATION: 33 TDZE: 33 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP
BAYTOWN, TX	**BAYTOWN**	**MHF**	22 MAY 97 **VOR RWY 14, AMDT 1**	AMDT **ORIGINAL-A** DATE **03/08/90**

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

FROM	TO	COURSE AND DISTANCE	ALTITUDE
MHF VOR/DME	CLUNY INT/MHF 13.00 DME/RADAR	316.28/13.00	1600

MISSED APPROACH

MAP: 4.62 MILES AFTER CLUNY INT OR MHF 316.28/17.62 DME

CLIMBING RIGHT TURN TO 1600 VIA MHF R-316 TO CLUNY INT AND HOLD.

ADDITIONAL FLIGHT DATA:

HOLD SE, RT, 316.28 INBOUND.

FAS OBST: 300 PWR PLANT 294457/0945526

1. PT NA SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT MHF VOR/DME
3. FAC 316.28 FAF CLUNY INT/MHF 13.00 DME/RADAR DIST FAF TO MAP 4.62 THLD 4.62
4. MIN. ALT MHF VOR/ DME 2000, CLUNY INT 1600
8. MSA FROM: MHF VOR/DME 2400

MAG VAR: 7E EPOCH YEAR: 85

MINIMUMS

TAKEOFF: X STANDARD ____ SEE FAA FORM 8260-15 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-32	600	1	567	600	1	567		NA			NA				
CIRCLING	600	1	567	600	1	567		NA			NA				
HOUSTON (WILLIAM P. HOBBY) ALTIMETER SETTING MINIMUMS															
S-32	660	1	627	660	1	627		NA			NA				
CIRCLING	660	1	627	660	1	627		NA			NA				

NOTES:

RADAR REQUIRED.

OBTAIN LOCAL ALTIMETER SETTING ON CTAF; WHEN NOT RECEIVED, USE HOUSTON (WILLIAM P. HOBBY) ALTIMETER SETTING.

CITY AND STATE	ELEVATION: 33 TDZE: 33 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP
BAYTOWN, TX	BAYTOWN	MHF	22 MAY 97 VOR RWY 32, AMDT 1	AMDT ORIGINAL-A DATE 03/08/90

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

GPS RNAV

STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICE - FAR PART 97. 33

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

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE

MISSED APPROACH

MAP: **RW14**

CLIMB TO 1600 DIRECT CLUNY WP AND HOLD.

ADDITIONAL FLIGHT DATA:

HOLD SE, RT, 318.22 INBOUND.

FAS OBST: 186 TOWER 294915/0945756

1. PT **NA** SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)
2. **PROFILE STARTS AT GARBO WP**
3. FAC **138.14** FAF **GARBO WP** DIST FAF TO MAP **-** THLD **4.84**
4. MIN. ALT **GARBO WP 1700**
8. MSA FROM: **RW14 3100**

MAG VAR: **5E** EPOCH YEAR: **95**

MINIMUMS

TAKEOFF: X STANDARD | SEE FAA FORM 8260-15 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-14	**500**	**1**	**467**	**500**	**1**	**467**		**NA**			**NA**				
CIRCLING	**520**	**1**	**487**	**520**	**1**	**487**		**NA**			**NA**				
HOUSTON (WILLIAM P. HOBBY) ALTIMETER SETTING MINIMUMS															
S-14	**540**	**1**	**507**	**540**	**1**	**507**		**NA**			**NA**				
CIRCLING	**560**	**1**	**527**	**580**	**1**	**547**		**NA**			**NA**				

NOTES:

RADAR REQUIRED.

OBTAIN LOCAL ALTIMETER SETTING ON CTAF; WHEN NOT RECEIVED, USE HOUSTON (WILLIAM P. HOBBY) ALTIMETER SETTING.

CITY AND STATE	ELEVATION: 33 TDZE: 33 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP
BAYTOWN, TX	**BAYTOWN**	**GPS**	22 MAY 97 **GPS RWY 14, ORIG'**	AMDT **NONE** DATE

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

GPS RNAV

STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICE - FAR PART 97. 33

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

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE

MISSED APPROACH

MAP: **RW32**

CLIMBING RIGHT TURN TO 1600 DIRECT CLUNY WP AND HOLD.

ADDITIONAL FLIGHT DATA:

HOLD SE, RT, 318.22 INBOUND.

FAS OBST: 300 PWR PLANT 294457/0945526

1. PT **NA** SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. **PROFILE STARTS AT CLUNY WP**
3. FAC **318.22** FAF **CLUNY WP** DIST FAF TO MAP **-** THLD **4.62**
4. MIN. ALT **CLUNY WP 1600**
8. MSA FROM: **RW32** **3100**

MAG VAR: **5E** EPOCH YEAR: **95**

MINIMUMS

TAKEOFF: X STANDARD | SEE FAA FORM 8260-15 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-32	**600**	**1**	**567**	**600**	**1**	**567**		**NA**			**NA**				
CIRCLING	**600**	**1**	**567**	**600**	**1**	**567**		**NA**			**NA**				
HOUSTON (WILLIAM P. HOBBY) ALTIMETER SETTING MINIMUMS															
S-32	**660**	**1**	**627**	**660**	**1**	**627**		**NA**			**NA**				
CIRCLING	**660**	**1**	**627**	**660**	**1**	**627**		**NA**			**NA**				

NOTES:

RADAR REQUIRED.

OBTAIN LOCAL ALTIMETER SETTING ON CTAF; WHEN NOT RECEIVED, USE HOUSTON (WILLIAM P. HOBBY) ALTIMETER SETTING.

CITY AND STATE	ELEVATION: 33 TDZE: 33 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP
BAYTOWN, TX	**BAYTOWN**	**GPS**	22 MAY 97 **GPS RWY 32, ORIG**	AMDT **NONE** DATE

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

GPS RNAV

STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICE - FAR PART 97. 33

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
LRD VORTAC	AZYUC WP	081.37/30.37	3000
AZYUC WP	IPAXY WP	138.43/5.00	2400

MISSED APPROACH

MAP: RW13

CLIMBING RIGHT TURN TO 3000 DIRECT AZYUC WP AND HOLD.

ADDITIONAL FLIGHT DATA:

HOLD NW, RT, 138.43 INBOUND.

FAS OBST: 100 WINDMILL 272338/0984725

CHART A-632A

1. PT NA SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD NW OF AZYUC WP, RT 138.43 INBOUND, 3000 FT IN LIEU OF PT (IAF).
3. FAC 138.46 FAF IPAXY WP DIST FAF TO MAP - THLD 5.00
4. MIN. ALT IPAXY WP 2400
8. MSA FROM: RW13 2400

MAG VAR: 7E EPOCH YEAR: 85

MINIMUMS

TAKEOFF: X STANDARD ____ SEE FAA FORM 8260-15 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-13	1220	1	560	1220	1	560	1220	1 1/2	560		NA				
CIRCLING	1240	1	578	1240	1	578	1260	1 1/2	598		NA				

NOTES: USE LAREDO INTL ALTIMETER SETTING.

CITY AND STATE	ELEVATION: 662 TDZE: 660 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP
HEBBRONVILLE, TX	JIM HOGG COUNTY	GPS	22 MAY 97 GPS RWY 13, ORIG	AMDT NONE
				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

FROM	TO	COURSE AND DISTANCE	ALTITUDE
MFE VOR/DME	MFE VOR/DME R-314/6.08	314.00/6.08	2000
R-029 MFE VOR/DME CCW (IAF)	R-314 MFE VOR/DME (NOPT)	13.00 DME ARC	2000
MFE VOR/DME R-314/13.00	MISSI LOM/MFE R-314/6.08 (NOPT)	134.00/6.92	2000

MISSED APPROACH

MAP:
5.49 MILES AFTER PASSING MISSI LOM OR MFE R-314/0.59

CLIMB TO 1000, THEN CLIMBING LEFT TURN TO 2000 DIRECT MFE VOR/DME AND HOLD.

ADDITIONAL FLIGHT DATA:

HOLD NW, LT, 134.00 INBOUND.

FAS OBST: 275 TANK 261246/981753

FAC 402R OF RWY C/L EXTENDED 3000 FROM THLD.

CHART VDP AT 2.2 DME.
DISTANCE VDP TO THR 1.6 MILES.

1. PT R SIDE OF COURSE 314.00 OUTBOUND 2000 FT WITHIN 10 MILES OF MISSI LOM/MFE R-314/6.08 (IAF)
2.
3. FAC 134.00 FAF MISSI LOM/MFE R-314/6.08 DIST FAF TO MAP 5.49 THLD 5.49
4. MIN. ALT MISSI LOM/MFE 6.08 2000
8. MSA FROM: MFE VOR/DME 065-155 2600, 155-065 2000

MAG VAR: 9E EPOCH YEAR: 65

MINIMUMS

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

CATEGORY =====>	A			B			C			D			E		
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/ HAA	MDA	VIS	HAT/ HAA	MDA	VIS	HAT/ HAA	MDA	VIS	HAT/ HAA
S-13	580	1/2	473	580	1/2	473	580	3/4	473	580	1	473			
CIRCLING	580	1	473	580	1	473	580	1 1/2	473	660	2	553			

NOTES:
ADF OR DME REQUIRED
CIRCLING NOT AUTHORIZED NE OF RWY 13-31

@NA WHEN CONTROL TOWER CLOSED

CITY AND STATE	ELEVATION: 107 TDZE: 107 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP
McALLEN, TX	McALLEN MILLER INTL	MFE	22 MAY 97 VOR RWY 13, AMDT 15	AMDT 14 DATE 09/19/91

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

FROM	TO	COURSE AND DISTANCE	ALTITUDE
MFE VOR/DME	RABOD/6.50 DME/RADAR	125.00/6.50	2000
R-029 MFE VOR/DME CW (IAF)	R-125 MFE VOR/DME (NOPT)	12 DME ARC	2000
MFE VOR/DME R-125/12.00	RABOD (NOPT)	305.00/5.50	2000

MISSED APPROACH

MAP:
5.93 NM AFTER RABOD OR MFE VOR/DME 0.57 DME

CLIMB TO 900, THEN CLIMBING RIGHT TURN TO 2000 DIRECT MFE VOR/DME.

ADDITIONAL FLIGHT DATA:

FAS OBST: 253 OIL RIG 261014/981242

FAC CROSSES RWY C/L EXTENDED 2508 FROM THLD

1. PT NA SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD SE RABOD, RT, 305.00 INBOUND, 2000 FT. IN LIEU OF PT (IAF)
3. FAC 305.00 FAF RABOD DIST FAF TO MAP 5.93 THLD 5.93
4. MIN. ALT RABOD 2000, DIVAN/2.30 DME/RADAR 660
8. MSA FROM: MFE VOR/DME 065-155 2600, 155-065 2000

MAG VAR: 9E EPOCH YEAR: 65

MINIMUMS

TAKEOFF: [ ] STANDARD [X] SEE FAA FORM 8260-15 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-31	480	1	378	480	1	378	480	1	378	480	1 1/4	378			
CIRCLING	520	1	413	560	1	453	560	1 1/2	453	660	2	553			

NOTES:

CIRCLING NOT AUTHORIZED NORTHEAST OF RWY 13-31

RADAR OR DME REQUIRED

CITY AND STATE	ELEVATION: 107 TDZE: 102 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP
McALLEN, TX	McALLEN MILLER INTL	MFE	22 MAY 97 VOR RWY 31, AMDT 1	AMDT ORIG DATE 01/05/96

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

LOC BC

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

FROM	TO	COURSE AND DISTANCE	ALTITUDE
MFE VOR/DME	GASHS/I-MFE 4.80 DME/RADAR	130.38/5.47	2000

MISSED APPROACH

MAP:
4.3 NM AFTER GASHS OR AT I-MFE 0.5 DME

CLIMB TO 2000 DIRECT MISSI LOM/I-MFE 6.8 DME AND HOLD.

ADDITIONAL FLIGHT DATA:

HOLD NW, LT, 133.56 INBOUND.

FAS OBST: 115 LIGHT 261001/981351

1. PT NA SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD SE GASHS, RT, 313.56 INBOUND, 2000 FT. IN LIEU OF PT (IAF).
3. FAC 313.56 FAF GASHS DIST FAF TO MAP 4.30 THLD 4.91
4. MIN. ALT GASHS 1700, I-MFE 1.80 DME 620
8. MSA FROM: MFE VOR/DME 065-155 2600, 155-065 2000

MAG VAR: 7E EPOCH YEAR: 85

MINIMUMS

TAKEOFF: | | STANDARD | X | SEE FAA FORM 8260-15 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-31	620	1	518	620	1	518	620	1 1/2	518	620	1 3/4	518			
CIRCLING	620	1	513	620	1	513	620	1 1/2	513	660	2	553			
DME MINIMUMS															
S-31	380	1	278	380	1	278	380	1	278	380	1	278			
CIRCLING	520	1	413	560	1	453	560	1 1/2	453	660	2	553			

NOTES:

CIRCLING NOT AUTHORIZED NORTHEAST OF RWY 13-31

DME OR RADAR REQUIRED

@NA WHEN CONTROL TOWER CLOSED

CITY AND STATE	ELEVATION: 107 TDZE: 102 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP
McALLEN, TX	McALLEN MILLER INTL	I-MFE	22 MAY 97 LOC BC RWY 31, AMDT 9	AMDT 8
				DATE 01/05/95

U. S. 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
FATOR INT/I-MFE 12.39 DME (IAF)	MISSI LOM/I-MFE 6.74 DME (NOPT)	133.88/5.65 (I-MFE)	2000
SANCA INT	MISSI LOM	244.29/10.79	2000
MFE VOR/DME	MISSI LOM	312.61/6.08	2000

MISSED APPROACH

ILS: AT THE DH. LOC: 5.49 MILES AFTER MISSI LOM OR AT I-MFE 1.26 DME FIX.

CLIMB TO 1500, THEN CLIMBING LEFT TURN TO 2000 DIRECT MISSI LOM AND HOLD.

ADDITIONAL FLIGHT DATA:

HOLD NW, LT, 133.56 INBOUND.

FAS OBST: 274 TREE 261505/981835

1. PT R SIDE OF COURSE 313.56 OUTBOUND 2000 FT WITHIN 10 MILES OF MISSI LOM (IAF)
2.
3. FAC: 133.56 FAF: MISSI LOM DIST FAF TO MAP: 5.49 THLD: 5.49
4. MIN. ALT: MISSI LOM 2000
5. DIST TO THLD FROM OM: 5.49 MM: 0.50 IM: 150 HAT: 100 HAT: GS ANT: 1247
6. MIN GS INCPT: 2000 GS ALT AT: OM: 1947 MM: 328 IM: -
7. GS ANGLE: 3.00 TCH: 61.30
8. MSA FROM: MF LOM 065-155 2600, 155-065 2100

MAG VAR: 7E EPOCH YEAR: 85

MINIMUMS

TAKEOFF: STANDARD X SEE FAA FORM 8260-15 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 - I L S 13	307	1/2	200	307	1/2	200	307	1/2	200	307	1/2	200			
S - L O C 13	540	1/2	433	540	1/2	433	540	3/4	433	540	1	433			
CIRCLING	540	1	433	560	1	453	560	1 1/2	453	660	2	553			

NOTES:
CIRCLING NOT AUTHORIZED NE OF RWY 13-31

ADF OR DME REQUIRED

@NA WHEN CONTROL TOWER CLOSED

CITY AND STATE	ELEVATION: 107 TDZE: 107 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
MCALLEN, TX	McALLEN MILLER INTL	I-MFE	22 MAY 97 ILS RWY 13, AMDT 8	AMDT: 7
				DATED: 09/19/91

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

GPS RNAV

STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICE - FAR PART 97. 33

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
SANCA WP	MISSI WP	244.28/10.79	2000
FATOR WP (IAF)	MISSI WP (NOPT)	133.88/5.65	2000

MISSED APPROACH

MAP: RW13

CLIMB TO 900, THEN CLIMBING LEFT TURN TO 2000 DIRECT MISSI WP AND HOLD.

ADDITIONAL FLIGHT DATA:

FAS OBST: 272 ANTENNA 261110/981420

GLIDE SLOPE COMPUTER SETTING 3.16

HORIZONTAL DISTANCE MDA TO MAP ON GS 1.14 NM

1. PT NA SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD NW MISSI, LT, 133.52 INBOUND, 2000 FT. IN LIEU OF PT (IAF).
3. FAC 133.52 FAF MISSI DIST FAF TO MAP - THLD 5.49
4. MIN. ALT MISSI 2000
8. MSA FROM: RW13 2600

MAG VAR: 7E EPOCH YEAR: 85

MINIMUMS

TAKEOFF: | STANDARD | X | SEE FAA FORM 8260-15 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-13	540	1/2	433	540	1/2	433	540	3/4	433	540	1	433			
CIRCLING	540	1	433	560	1	453	560	1 1/2	453	660	2	553			

NOTES:

CIRCLING NOT AUTHORIZED NE OF RWY 13-31

CITY AND STATE	ELEVATION: 107 TDZE: 107 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP
McALLEN, TX	McALLEN MILLER INTL	GPS	22 MAY 97 GPS RWY 13, ORIG	AMDT NONE
				DATE

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

GPS RNAV

STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICE - FAR PART 97. 33

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
LULEC WP (IAF)	EVALY WP	193.77/9.85	2000
EVALY	LAZKI WP	283.74/5.00	1800

MISSED APPROACH

MAP: ARVEQ

CLIMB TO 2000 VIA 314 COURSE TO MISSI WP AND HOLD.

ADDITIONAL FLIGHT DATA:

HOLD NW, LT, 133.52 INBOUND

FAS OBST: 220 STACK 261010/981335

FAC CROSSES RWY C/L EXTENDED 3000 FROM THLD

1. PT NA SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT EVALY
3. FAC 298.60 FAF LAZKI DIST FAF TO MAP - THLD 5.48
4. MIN. ALT EVALY 2000, LAZKI 1800; 1.50 ATD TO ARVEQ WP 660
8. MSA FROM: ARVEQ 2600

MAG VAR: 7E EPOCH YEAR: 85

MINIMUMS

TAKEOFF: | | STANDARD | X | SEE FAA FORM 8260-15 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-31	480	1	378	480	1	378	480	1	378	480	1 1/4	378			
CIRCLING	520	1	413	560	1	453	560	1 1/2	453	660	2	553			

NOTES:

CIRCLING NOT AUTHORIZED NORTHEAST OF RWY 13-31.

CITY AND STATE	ELEVATION: 107 TDZE: 102 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP
McALLEN, TX	McALLEN MILLER INTL	GPS	22 MAY 97 GPS RWY 31, ORIG	AMDT NONE
				DATE

FAA FORM 8260 - 5 / February 1995 (computer generated)

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

VOR

STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICE - FAR PART 97. 23

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE

MISSED APPROACH

MAP: 5.57 MILES AFTER PVW VOR/DME OR AT 5.57 DME

CLIMB TO 4500 THEN CLIMBING RIGHT TURN TO 5000 DIRECT PVW VOR/DME AND HOLD

ADDITIONAL FLIGHT DATA:

HOLD SW, RT, 024.01 INBOUND

FAS OBST: 3518 ELEV 340924/1014234

1. PT L SIDE OF COURSE 204.01 OUTBOUND 5000 FT WITHIN 10 MILES OF PVW VOR/DME (IAF)
2.
3. FAC 024.01 FAF PVW VOR/DME DIST FAF TO MAP 5.57 THLD 5.57
4. MIN. ALT PVW VOR/DME 5000
8. MSA FROM: PVW VOR/DME 000-360 5100

MAG VAR: 11E EPOCH YEAR: 65

MINIMUMS

TAKEOFF: X STANDARD SEE FAA FORM 8260-15 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-4	3780	1	408	3780	1	408	3780	1 1/4	408	3780	1 1/4	408			
CIRCLING	3860	1	488	3940	1	568	3940	1 1/2	568	3940	2	568			
LUBBOCK INTL ALTIMETER SETTING MINIMUMS															
S-4	3860	1	488	3860	1	488	3860	1 1/4	488	3860	1 1/2	488			
CIRCLING	3940	1	568	4020	1	648	4020	1 3/4	648	4020	2	648			

NOTES:

OBTAIN LOCAL ALTIMETER ON CTAF, IF NOT RECEIVED USE LUBBOCK INTL ALTIMETER SETTING

CITY AND STATE	ELEVATION: 3372 TDZE: 3372 AIRPORT	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP
PLAINVIEW, TX	HALE COUNTY	PVW	22 MAY 97 VOR RWY 4, AMDT 9	AMDT AMDT 8 DATE 3/7/85

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

GPS RNAV

STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICE - FAR PART 97. 33

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

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
SPADE INT	CADUH WP	046.59/21.09	5100
LBB VORTAC	CADUH WP	003.80/24.85	5000
SHOES INT	CADUH WP	317.78/19.34	5000

MISSED APPROACH

MAP: RW04

CLIMB TO 4500 THEN CLIMBING RIGHT TURN TO 5000 DIRECT PVW VOR/DME AND HOLD

ADDITIONAL FLIGHT DATA:

HOLD SW, RT, 024.01 INBOUND

FAS OBST: 3483 ELEV 340938/1014300

1. PT NA SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD SW CADUH WP, RT, 041.69 INBOUND, 5000 FT IN LIEU OF PT (IAF)
3. FAC 041.69 FAF CADUH WP DIST FAF TO MAP - THLD 5.00
4. MIN. ALT CADUH WP 5000
8. MSA FROM: RW04 000-360 5100

MAG VAR: 09E EPOCH YEAR: 95

MINIMUMS

TAKEOFF: X STANDARD | SEE FAA FORM 8260-15 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-4	3740	1	368	3740	1	368	3740	1	368	3740	1 1/4	368			
CIRCLING	3860	1	488	3940	1	568	3940	1 1/2	568	3940	2	568			
LUBBOCK INTL ALTIMETER SETTING MINIMUMS															
S-4	3820	1	448	3820	1	448	3820	1 1/4	448	3820	1 1/2	448			
CIRCLING	3940	1	568	4020	1	648	4020	1 3/4	648	4020	2	648			

NOTES:

OBTAIN LOCAL ALTIMETER ON CTAF, IF NOT RECEIVED USE LUBBOCK INTL ALTIMETER SETTING

CITY AND STATE	ELEVATION: 3372 TDZE: 3372 AIRPORT	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP
PLAINVIEW, TX	HALE COUNTY	GPS	22 MAY 97 GPS RWY 4, ORIG	AMDT NONE
				DATE

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

GPS RNAV

STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICE - FAR PART 97. 33

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
FLOYD INT	CUBKY WP	299.92/23.84	5000
PVW VOR/DME	CUBKY WP	034.14/11.45	5000

MISSED APPROACH

MAP: RW22

CLIMB TO 4400 THEN CLIMBING LEFT TURN TO 5000 DIRECT PVW VOR/DME AND HOLD

ADDITIONAL FLIGHT DATA:

HOLD SW, RT, 024.01 INBOUND

FAS OBST: 3564 ELEVATOR 341133/1014158

1. PT NA SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD NE CUBKY WP, RT, 221.78 INBOUND, 5000 FT. IN LIEU OF PT (IAF)
3. FAC 221.78 FAF CUBKY WP DIST FAF TO MAP - THLD 5.00
4. MIN. ALT CUBKY WP 5000
8. MSA FROM: RW22 000-360 5100

MAG VAR: 09E EPOCH YEAR: 95

MINIMUMS

TAKEOFF: X STANDARD ____ SEE FAA FORM 8260-15 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-22	3820	1	448	3820	1	448	3820	1 1/4	448	3820	1 1/2	448			
CIRCLING	3860	1	488	3940	1	568	3940	1 1/2	568	3940	2	568			
LUBBOCK INTL ALTIMETER SETTING MINIMUMS															
S-22	3900	1	528	3900	1	528	3900	1 1/2	528	3900	1 3/4	528			
CIRCLING	3940	1	568	4020	1	648	4020	1 3/4	648	4020	2	648			

NOTES:

OBTAIN LOCAL ALTIMETER ON CTAF, IF NOT RECEIVED USE LUBBOCK INTL ALTIMETER SETTING

CITY AND STATE	ELEVATION: AIRPORT	TDZE:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP
PLAINVIEW, TX	HALE COUNTY 3372	3372	GPS	GPS RWY 22, ORIG 22 MAY 97	AMDT NONE
					DATE

FAA FORM 8260 - 5 / February 1995 (computer generated)

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

GPS RNAV

STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICE - FAR PART 97. 33

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
WITTO WP	MUSOJ WP	209.17/6.47	2500

MISSED APPROACH

MAP: ORMEY WP

CLIMB TO 1000 THEN CLIMBING LEFT TURN TO 4000 DIRECT GVE VORTAC AND HOLD.

ADDITIONAL FLIGHT DATA:

HOLD SW, RT, 033 INBOUND
FAS OBST: 673 TREES 380900/782509
1164 TOWER 381044/782509

1. PT NA SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD NE WITTO WP, LT, 224.17 INBOUND, 4100 FT IN LIEU OF PT (IAF)
3. FAC 196.01 FAF MUSOJ WP DIST FAF TO MAP - THLD 5.47
4. MIN. ALT WITTO WP 4100, MUSOJ WP 2500, 1.40 NM TO ORMEY WP 1380
8. MSA FROM: ORMEY WP 5200

MAG VAR: 8W EPOCH YEAR: 85

MINIMUMS

TAKEOFF: | STANDARD | X | SEE FAA FORM 8260-15 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	940	1	311	940	1	311	940	1	311	940	1	311			
CIRCLING	1080	1	439	1100	1	459	1100	1 1/2	459	1500	2 3/4	859			

NOTES:

CITY AND STATE	ELEVATION: 641 TDZE: 629 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP
CHARLOTTESVILLE, VA	CHARLOTTESVILLE-ALBEMARLE	GPS	22 MAY 97 GPS RWY 21, ORIG	AMDT NONE DATE

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

GPS RNAV

STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICE - FAR PART 97. 33

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

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
CCV VORTAC	ILFUF WP	188.37/28.99	2000
SUNNS INT	EVAFA WP	055.90/25.68	2000
ILFUF WP (IAF)	EFDIB WP	227.12/5.00	2000
EVAFA WP (IAF)	EFDIB WP	047.04/5.00	2000
EFDIB WP	DOQTO WP	317.08/5.00	1100
		--	

MISSED APPROACH

MAP: RW32

CLIMBING RIGHT TURN TO 2000 DIRECT JIMMY WP AND HOLD

ADDITIONAL FLIGHT DATA:

HOLD NE, LT 221 INBOUND
FAS OBST 174 TWR 365101/761003
234 BUILDING 365036/760808

1. PT NA SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT EFDIB WP
3. FAC 317.03 FAF DOQTO WP DIST FAF TO MAP - THLD 3.80
4. MIN. ALT EFDIB WP 2000, DOQTO WP 1100
8. MSA FROM: RW32 2100

MAG VAR: 9W EPOCH YEAR: 85

MINIMUMS

TAKEOFF: X STANDARD ____ SEE FAA FORM 8260-15 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
R-32	440	1	415	440	1	415	440	1 1/4	415	440	1 1/4	415			
CIRCLING	480	1	453	480	1	453	540	1 1/2	513	580	2	553			

NOTES:

CITY AND STATE	ELEVATION: 27 TDZE: 25 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP
NORFOLK, VA	NORFOLK INTL	GPS	22 MAY 97 GPS RWY 32, AMDT 1	AMDT ORIG DATE 6/20/96

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

GPS RNAV

STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICE - FAR PART 97. 33

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

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
FKN VORTAC	VEZVA WP	148.50/14.70	2000
ORF VORTAC	SUFSO WP	228.23/33.44	2000
CVI VORTAC (IAF)	OLUCE WP	055.99/10.24	2000
VEZVA WP (IAF)	OLUCE WP	127.67/5.00	2000
SUFSO WP (IAF)	OLUCE WP	307.77/5.00	2000
OLUCE WP	WALEY WP	037.72/7.30	1800

MISSED APPROACH

MAP: RW04

CLIMBING LEFT TURN TO 2000 DIRECT WALEY WP AND HOLD

ADDITIONAL FLIGHT DATA:

HOLD SW, RT, 036 INBOUND
FAS OBST: 180 TREES 364031/763551

1. PT NA SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT OLUCE WP
3. FAC 035.98 FAF WALEY WP DIST FAF TO MAP - THLD 5.03
4. MIN. ALT OLUCE WP 2000, WALEY WP 1800
8. MSA FROM: RW04 2100

MAG VAR: 10 W EPOCH YEAR: 95

MINIMUMS

TAKEOFF: [ ] STANDARD [X] SEE FAA FORM 8260-15 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-4	440	1	373	440	1	373	440	1	373		NA				
CIRCLING	480	1	408	540	1	468	540	1 1/2	468		NA				

NOTES:
IF LOCAL ALTIMETER SETTING NOT RECEIVED, USE NORFOLK ALTIMETER SETTING, AND INCREASE ALL MDA'S 60 FEET

CITY AND STATE	ELEVATION: 72 TDZE: 67 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP
SUFFOLK, VA	SUFFOLK MUNI	GPS	22 MAY 97 GPS RWY 4, ORIG.	AMDT NONE DATE

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

GPS RNAV

STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICE - FAR PART 97. 33

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

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
FKN VORTAC (IAF)	LALSE WP (NoPT)	127.67/12.88	2000
OLUCE WP (IAF)	LALSE WP (NoPT)	349.53/7.84	2000
CVI VORTAC (IAF)	LALSE WP (NoPT)	027.68/15.17	2000
LALSE WP	IDZAT WP	073.56/5.00	1600

MISSED APPROACH

MAP: RW07

CLIMBING LEFT TURN TO 2000 DIRECT LALSE WP AND HOLD

ADDITIONAL FLIGHT DATA:

FAS OBST: 176 TREES 364125/763635

1. PT NA SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD W LALSE WP, RT 073.56 INBOUND, 2000 FT IN LIEU OF PT (IAF)
3. FAC 073.62 FAF IDZAT WP DIST FAF TO MAP - THLD 4.00
4. MIN. ALT LALSE WP 2000, IDZAT WP 1600
8. MSA FROM: RW07 2100

MAG VAR: 10 W EPOCH YEAR: 95

MINIMUMS

TAKEOFF: | STANDARD | X | SEE FAA FORM 8260-15 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-7	440	1	368	440	1	368	440	1	368		NA				
CIRCLING	480	1	408	540	1	468	540	1 1/2	468		NA				

NOTES:

IF LOCAL ALTIMETER SETTING NOT RECEIVED, USE NORFOLK ALTIMETER SETTING, AND INCREASE ALL MDA'S 60 FEET

CITY AND STATE	ELEVATION: 72 TDZE: 72 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP
SUFFOLK, VA	SUFFOLK MUNI	GPS	22 MAY 97 GPS RWY 7, ORIG	AMDT NONE
				DATE

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

GPS RNAV

STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICE - FAR PART 97. 33

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

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
GEG VORTAC	OZOLA WP	060.14/17.60	6700
JURSY WP (IAF)	OZOLA WP (NO PT)	216.71/7.46	6700
OZOLA WP	NAXAF WP	250.67/5.00	5200

MISSED APPROACH

MAP: RW25

CLIMBING LEFT TURN TO 4000 DIRECT GEG VORTAC AND HOLD

ADDITIONAL FLIGHT DATA:

HOLD SW, RT, 028 INBOUND

FAS OBST: 2501 TOWER 473713/1173114

1. PT NA SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD E OZOLA WP, RT, 250.67 INBOUND, 6700 FT. IN LIEU OF PT (IAF)
3. FAC 250.67 FAF NAXAF WP DIST FAF TO MAP - THLD 8.00
4. MIN. ALT OZOLA WP 6700, NAXAF WP 5200, 5.00 NM TO RW25 4300
8. MSA FROM: RW25 7100

MAG VAR: 20E EPOCH YEAR: 80

MINIMUMS

TAKEOFF: [ ] STANDARD [X] SEE FAA FORM 8260-15 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 - 25	2760	1	393	2760	1	393	2760	1	393	2760	1 1/4	393			
CIRCLING	2840	1	468	2860	1	488	2860	1 1/2	488	2960	2	588			

NOTES:

CITY AND STATE	ELEVATION: 2372 TDZE: 2367 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP
SPOKANE, WA	SPOKANE INTL	GPS	22 MAY 97 GPS RWY 25, ORIG	AMDT NONE
				DATE

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

GPS RNAV

STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICE - FAR PART 97. 33

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

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
GEG VORTAC	ETFEM WP	202.78/5.55	4000
GRAPH WP (IAF)	ETFEM WP (NO PT)	020.17/18.05	4000
ETFEM WP	RODFA WP	025.36/5.00	3700

MISSED APPROACH

MAP: RW03

CLIMBING LEFT TURN TO 4000 DIRECT GEG VORTAC AND HOLD

ADDITIONAL FLIGHT DATA:

HOLD SW, RT, 028 INBOUND

FAS OBST: 2539 TREE 473457/1173400

1. PT NA SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD SW ETFEM WP, RT, 025.43 INBOUND, 4000 FT. IN LIEU OF PT (IAF)
3. FAC 025.43 FAF RODFA WP DIST FAF TO MAP - THLD 5.00
4. MIN. ALT ETFEM WP 4000, RODFA WP 3700, 2.20 ATD TO RW03 3220
8. MSA FROM: RW03 7100

MAG VAR: 20E EPOCH YEAR: 80

MINIMUMS

TAKEOFF: | | STANDARD | X | SEE FAA FORM 8260-15 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-3	2800	2400	432	2800	2400	432	2800	4000	432	2800	5000	432			
CIRCLING	2840	1	468	2860	1	488	2860	1 1/2	488	2960	2	588			

NOTES:

CITY AND STATE	ELEVATION: 2372 TDZE: 2368 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP
SPOKANE, WA	SPOKANE INTL	GPS	22 MAY 97 GPS RWY 3, ORIG	AMDT NONE
				DATE

[4910-13]

DEPARTMENT OF TRANSPORTATION

Federal Aviation Administration

14 CFR Part 97

[Docket No. 28839 ; Amdt. No. 1788]
RIN 2120-AA65

Standard Instrument Approach Procedures;

Miscellaneous Amendments

AGENCY: Federal Aviation Administration (FAA), DOT

ACTION: Final rule

SUMMARY: This amendment establishes, amends, suspends, or revokes Standard Instrument Approach Procedures (SIAPs) for operations at certain airports. These regulatory actions are needed because of changes occurring in the National Airspace System, such as the commissioning of new navigational facilities, addition of new obstacles, or changes in 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: An effective date for each SIAP is specified in the amendatory provisions.

Incorporation by reference-approved by the Director of the Federal Register on December 31, 1980, and reapproved as of January 1, 1982.

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 affected airport is located; or

3. The Flight Inspection Area Office which originated the SIAP.

For Purchase- Individual SIAP 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.

By Subscription- Copies of all SIAPs, mailed once every 2 weeks, are for sale by the Superintendent of Documents, US Government Printing Office, Washington, DC 20402.

FOR FURTHER INFORMATION CONTACT: Paul J. Best, Flight Procedures Standards Branch (AFS-420), Technical Programs Division, Flight Standards Service, Federal Aviation Administration, 800 Independence Avenue, SW., Washington, DC 20591; telephone (202) 267-8277

SUPPLEMENTARY INFORMATION: This amendment to part 97 of the Federal Aviation Regulations (14 CFR part 97) establishes, amends, suspends, or revokes Standard Instrument Approach Procedures (SIAPs). The complete regulatory description on each SIAP is contained in the appropriate FAA Form 8260 and

the National Flight Data Center (FDC)/Permanent (P) Notices to Airmen (NOTAM) which are incorporated by reference in the amendment under 5 U.S.C. 552(a), 1 CFR part 51, and § 97.20 of the Federal Aviations Regulations (FAR). Materials incorporated by reference are available for examination or purchase as stated above.

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 of 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. The provisions of this amendment state the affected CFR (and FAR) sections, with the types and effective dates of the SIAPs. This amendment also identifies the airport, its location, the procedure identification and the amendment number.

THE RULE

This amendment to part 97 of the Federal Aviation Regulations (14 CFR part 97) establishes, amends, suspends, or revokes SIAPs. For safety and timeliness of change considerations, this amendment incorporates only specific changes contained in the content of the following FDC/P

NOTAM for each SIAP. The SIAP information in some previously designated FDC/Temporary (FDC/T) NOTAMs is of such duration as to be permanent. With conversion to FDC/P NOTAMs, the respective FDC/T NOTAMs have been cancelled.

The FDC/P NOTAMs for the SIAPs contained in this amendment are based on the criteria contained in the U.S. Standard for Terminal Instrument Approach Procedures (TERPS). In developing these chart changes to SIAPs by FDC/P NOTAMs, the TERPS criteria were applied to only these specific conditions existing at the affected airports. All SIAP amendments in this rule have been previously issued by the FAA in a National 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 all these SIAP amendments requires making them effective in less than 30 days.

Further, the SIAPs contained in this amendment are based on the criteria contained in the TERPS. 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, Navigation (Air).

Issued in Washington, DC on March 7, 1997.

Thomas C. Accardi
Director, Flight Standards Service

ADOPTION OF THE AMENDMENT

Accordingly, pursuant to the authority delegated to me, part 97 of the Federal Aviation Regulations (14 CFR part 97) is amended by establishing, amending, suspending, or

revoking 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 is revised to read as follows:

Authority: 49 U.S.C. 40103,40113, 40120, 44701; 49 U.S.C. 106(g); and 14 CFR 11.49(b)(2).

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, 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	SIAP
02/24/97	OR	Portland	Portland Intl	7/1047	MLS Rwy 28L, Orig
02/23/97	FL	Sarasota/Bradenton	Sarasota/ Bradenton Intl	7/1015	VOR or GPS Rwy 32 Amdt 8
02/20/97	IL	Peoria	Greater Peoria Rgnl	7/0980	Radar-1, Amdt 12
02/23/97	MN	Minneapolis	Minneapolis-St Paul Intl (Wold-Chamberlain)	7/1018	ILS Rwy 29L, Amdt 41A
02/23/97	MN	Minneapolis	Minneapolis-St Paul Intl (Wold-Chamberlain)	7/1018	ILS Rwy 29L, Amdt 41A
02/20/97	MN	Minneapolis	Minneapolis-St Paul Intl (Wold-Chamberlain)	7/0977	ILS Rwy 11R, Amdt 5
02/20/97	MN	Minneapolis	Minneapolis-St Paul Intl (Wold-Chamberlain)	7/0970	ILS Rwy 11L, Amdt 3A
02/20/97	TX	Tyler	Tyler Pounds Field	7/0984	VOR Rwy 31, Amdt 1
02/20/97	LA	New Iberia	Acadiana Rgnl	7/0994	VOR/DME Rwy 34, Amdt 1
02/20/97	NE	Hastings	Hastings Muni	7/0991	VOR OR GPS Rwy 32, Amdt 13A
02/20/97	NE	Hastings	Hastings Muni	7/0990	VOR Rwy 14, Amdt 16A
02/20/97	NE	Hastings	Hastings Muni	7/0988	GPS Rwy 14, Orig
02/20/97	NE	Hastings	Hastings Muni	7/0987	NDB Rwy 14, Amdt 12A

01/07/97	NE	Fremont	Fremont Muni	7/0116	VOR Rwy 13, Orig
01/07/97	NE	Fremont	Fremont Muni	7/0115	NDB OR GPS Rwy 13, Amdt 2
02/26/97	OK	Fort Sill	Henry Post AAF	7/1077	VOR Rwy 35, Amdt 13
02/28/97	CT	Oxford	Waterbury-Oxford	7/1117	ILS Rwy 36, Amdt 10
02/28/97	MN	Ortonville	Ortonville Muni-Martinson Field	7/1114	NDB or GPS Rwy 34, Amdt 1
03/03/97	LA	New Iberia	Acadiana Rgnl	7/1136	NDB or GPS Rwy 34, Amdt 8
02/28/97	MN	Minneapolis	Menneapolis-St Paul Intl (Wold-Chamberlain)	7/1121	ILS Rwy 4, Amdt 25

FDC 7/1047 /PDX/ FI/P PORTLAND INTL, PORTLAND, OR. MLS RWY 28L, ORIG...ALTERNATE MNMS: MLS CAT A 700-2, CATS B AND C 800-2, CAT D 1000-3, AZ CAT D 1000-3. THIS IS MLS RWY 28L, ORIG-A.

FDC 7/1015 /SRQ/ FI/P SARASOTA/BRADENTON INTL, SARASOTA/BRADENTON, FL. VOR OR GPS RWY 32, AMDT 8...DELETE TERMINAL ROUTE: EGMONT KEY NDB TO SRQ VORTAC. THIS IS VOR OR GPS RWY 32, AMDT 8A.

FDC 7/0980 /PIA/ FI/P GREATER PEORIA REGIONAL, PEORIA, IL. RADAR-1 AMDT 12...S-4 MDA 1260/HAT 608 ALL CATS; VIS CATS A,B 1/2, CAT C 1-1/4, CAT D 1-1/2. CIRCLING MDA 1260/HAA 600 ALL CATS. THIS IS RADAR-1 AMDT 12A.

FDC 7/1018 /MSP/ FI/P MINNEAPOLIS-ST PAUL INTL (WOLD-CHAMBERLAIN), MINNEAPOLIS, MN. ILS RWY 29L AMDT 41A...DELETE NOTE: SIMULTANEOUS CLOSE-PARALLEL APPROACHES AUTHORIZED WITH ILS RWY 29R. DELETE NOTE: LOCALIZER ONLY...THRU...OPERATIONS. THIS IS ILS RWY 29L AMDT 41B.

FDC 7/1017 /MSP/ FI/P MINNEAPOLIS-ST PAUL INTL (WOLD-CHAMBERLAIN), MINNEAPOLIS, MN. ILS RWY 29R AMDT 7A...DELETE NOTE: SIMULTANEOUS CLOSE-PARALLEL APPROACHES AUTHORIZED WITH ILS RWY 29L. DELETE NOTE: LOCALIZER ONLY...THRU...OPERATIONS. CHANGE TERMINAL ROUTE: PRESS INT (IAF) TO BONNA INT/MSP 13.96 DME 270.00/5.37 (HDG) AND 299.35/6.62 (I-INN). THIS IS ILS RWY 29R AMDT 7B.

FDC 7/0977 /MSP/ FI/P MINNEAPOLIS-ST PAUL INTL (WOLD-CHAMBERLAIN), MINNEAPOLIS, MN. ILS RWY 11R AMDT 5...DELETE NOTE: SIMULTANEOUS CLOSE-PARALLEL APPROACHES AUTHORIZED WITH ILS RWY 11L. DELETE NOTE: LOCALIZER ONLY...THRU...OPERATIONS. THIS IS ILS RWY 11R AMDT 5A.

FDC 7/0970 /MSP/ FI/P MINNEAPOLIS-ST PAUL INTL (WOLD-CHAMBERLAIN), MINNEAPOLIS, MN. ILS RWY 11L AMDT 3A...DELETE NOTE: SIMULTANEOUS CLOSE-PARALLEL APPROACHES AUTHORIZED WITH ILS RWY 11R. DELETE NOTE: LOCALIZER ONLY...THRU...OPERATIONS. THIS IS ILS RWY 11L AMDT 3B.

FDC 7/0984 /TYR/ FI/P TYLER POUNDS FIELD, TYLER, TX. VOR RWY 31, AMDT 1...ADD GREGG COUNTY ALSTG MNMS. S-31: MDA 1120/HAT 576 ALL CATS. VIS CAT A/B 1. CAT C 1 1/2. CAT D 1 3/4. CIRCLING: CATS A/B/C MDA 1120/HAA 576. CAT D MDA 1240/HAA 696. VIS CAT A/B 1. CAT C 1 1/2. CAT D 2 1/4. ADD NOTE: WHEN LOCAL ALTIMETER NOT RECEIVED USE GREGG COUNTY ALTIMETER SETTING. WHEN NEITHER RECEIVED, EXCEPT FOR OPERATORS WITH APPROVED WEATHER REPORTING SERVICE, PROC NA. CHANGE NOTE: INOP TABLE DOES NOT APPLY TO LCL ALSTG CAT C AND GREGG COUNTY MNMS. THIS IS VOR RWY 31, AMDT 1A.

FDC 7/0994 /ARA/ FI/P ACADIANA REGIONAL, NEW IBERIA, LA. VOR/DME RWY 34, AMDT 1...HOLD SE MACAN, LT, 327.54 INBOUND, 1700 FT IN LIEU OF PT (IAF). THIS IS VOR/DME RWY 34, AMDT 1A.

FDC 7/0991 /HSI/ FI/P HASTINGS MUNI, HASTINGS, NE. VOR OR GPS RWY 32, AMDT 13A...S-32 HAT 595 ALL CATS. CIRCLING HAA 579 ALL CATS. THIS IS VOR OR GPS RWY 32, AMDT 13B.

FDC 7/0990 /HSI/ FI/P HASTINGS MUNI, HASTINGS, NE. VOR RWY 14, AMDT 16A...S-14 HAT 399 ALL CATS. CIRCLING HAA CAT A 419, CAT B 459, CAT C 479, CAT D 579. THIS IS VOR RWY 14, AMDT 16B.

FDC 7/0988 /HSI/ FI/P HASTINGS MUNI, HASTINGS, NE. GPS RWY 14, ORIG...S-14 HAT 419 ALL CATS. CIRCLING HAA CAT A 419, CAT B 459, CAT C 479, CAT D 579. THIS IS GPS RWY 14, ORIG-A.

FDC 7/0987 /HSI/ FI/P HASTINGS MUNI, HASTINGS, NE. NDB RWY 14, AMDT 12A...S-14 HAT 439 ALL CATS. CIRCLING HAA CAT A 439, CAT B 459, CAT C 479, CAT D 579. THIS IS NDB RWY 14, AMDT 12B.

FDC 7/0116 /FET/ FI/P FREMONT MUNI, FREMONT, NE. VOR RWY 13, ORIG-A...DELETE OMAHA ALSTG NOTE. ADD ALTERNATE MINIMUMS: STANDARD. THIS IS VOR RWY 13, ORIG-B.

FDC 7/0115 /FET/ FI/P FREMONT MUNI, FREMONT, NE. NDB OR GPS RWY 13, AMDT 2...DELETE OMAHA ALSTG NOTE. ADD ALTERNATE MINIMUMS: STANDARD. THIS IS NDB OR GPS RWY 13, AMDT 2A.

FDC 7/1077 /FSI/ FI/P HENRY POST AAF, FORT SILL, OK. VOR RWY 35, AMDT 13...MISSED APPROACH CLIMB TO 4200 VIA LAW VOR/DME R-353 TO APACH INT AND HOLD. THIS IS VOR RWY 35, AMDT 13A.

FDC 7/1117 /OXC/ FI/P WATERBURY-OXFORD, OXFORD, CT. ILS RWY 36 AMDT 10...CHANGE DME DISTANCE AT CLERA LOM TO I-OXC 5.2 DME. CHANGE DME DISTANCE AT S-LOC-36 MAP /THLD/ TO I-OXC 1.0 DME. THIS IS ILS RWY 36 AMDT 10A.

FDC 7/1114 /VVV/ FI/P ORTONVILLE MUNI-MARTINSON FIELD, ORTONVILLE, MN. NDB OR GPS RWY 34 AMDT 1...DLT NOTE: USE WATERTOWN ALSTG; WHEN NOT AVAILABLE, PROC NA. THIS IS NDB OR GPS RWY 34 AMDT 1A.

FDC 7/1136 /ARA/ FI/P ACADIANA REGIONAL, NEW IBERIA, LA. NDB OR GPS RWY 34, AMDT 8...HOLD S AR NDB, LT, 344.51 INBOUND, 1700 FT IN LIEU OF PT (IAF). THIS IS NDB OR GPS RWY 34, AMDT 8A.

FDC 7/1121 /MSP/ FI/P MINNEAPOLIS-ST PAUL INTL (WOLD-CHAMBERLAIN), MINNEAPOLIS, MN. ILS RWY 4 AMDT 25...S-LOC 4 MDA 1260/HAT 428 ALL CATS. THIS IS ILS RWY 4 AMDT 25A.