US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

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

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

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
SOLON (IAF)	HADON (FB)	328.41 / 8.24	2000
HADON (IF)	OSSOE (FB)	352.11 / 6.19	2000

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW35

CLIMB TO 2000 DIRECT FEKEL AND ON TRACK 302.42 TO ATHIS AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD W, RT, 107.00 INBOUND.
CHART FAS OBST: 181 ANT 274539N/0973011W
DISTANCE TO THLD FROM 200 HAT: 0.45 NM.
WAAS CHANNEL # 69617
REFERENCE PATH ID: W35A
CHART: CABANISS FIELD NOLF
CHART: CUDDIHY FIELD (PRIVATE)

1. PT NA SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT HADON
3. FAC: 352.11 FAF: OSSOE DIST FAF TO MAP: 5.88 THLD: 5.88
4. MIN. ALT: HADON 2000, OSSOE 2000, COKNU/1.30 NM TO RW35 500*
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 2000 GS ALT AT: OSSOE 2000 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 57.1 34:1 IS CLEAR
8. MSA FROM: RW35 2100

MAG VAR: 7E EPOCH YEAR: 1985

MINIMUMS

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

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	240	2400	200	240	2400	200	240	2400	200	240	2400	200	240	2400	200
LNAV/VNAV DA	558	6000	518	558	6000	518	558	6000	518	558	6000	518	558	6000	518
LNAV MDA	440	2400	400	440	2400	400	440	2400	400	440	5000	400	440	5000	400
CIRCLING	500	1	456	520	1	476	580	1 1/2	536	740	2 1/4	696	860	3	816

NOTES:
CHART NOTE: FOR INOPERATIVE MALSR, INCREASE LPV CAT E VISIBILITY TO RVR 4000. LNAV/VNAV CAT E VISIBILITY TO 1 3/4, LNAV CAT D VISIBILITY TO RVR 6000, AND CAT E VISIBILITY TO 1 1/2 MILES. @ CAT D 800-2 1/4, CAT E 900-3
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 49C (120F).
CHART NOTE: DME/DME RNP-0.3 NA.
SEE 8260-10

4 CHECKED

CITY AND STATE	ELEVATION: 44 TDZE: 40	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP: RNAV (GPS) RWY 35
CORPUS CHRISTI, TX	AIRPORT NAME: CORPUS CHRISTI INTL	RNAV	RNAV (GPS) Y RWY 35, AMDT 1A 23 SEP 2010	AMDT: 1 DATED 07/29/2010

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

NOTES CONT.
***LNAV ONLY**
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT SOLON ON V13-20-163 SOUTHBOUND.

4

CITY AND STATE	ELEVATION: 44 TDZE: 40	FACILITY IDENTIFIER	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP: RNAV (GPS) RWY 35
CORPUS CHRISTI, TX	AIRPORT NAME: CORPUS CHRISTI INTL	RNAV	RNAV (GPS) Y RWY 35, AMDT 1A 23 SEP 2010	AMDT: 1 DATED: 07/29/2010

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

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KCRP
RUNWAY	RW35
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	Y
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W35A
LTP/FTP LATITUDE	274546.5400N
LTP/FTP LONGITUDE	0972945.7100W
LTP/FTP ELLIPSOIDAL HEIGHT	-00145
FPAP LATITUDE	274647.7300N
FPAP LONGITUDE	0972946.7800W
THRESHOLD CROSSING HEIGHT (TCH)	00057.1
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0032
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	8A9CB0CF

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+00120
FPAP ORTHOMETRIC HEIGHT	+00120

CITY AND STATE		FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	
CORPUS CHRISTI, TX	ELEVATION: 44 TDZE: 40 AIRPORT NAME: CORPUS CHRISTI INTL	RNAV	RNAV (GPS) Y RWY 35, AMDT 1A 23 SEP 2010	SUP: RNAV (GPS) RWY 35 AMDT: 1 DATED: 07/29/2010

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

ARINC PACKET - 424-18 - RNAV (GPS)

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        --------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   ATHIS K40    C   L N28042446W097501974                      E0047     NAR           ATHIS
        SUSAEAENRT   COKNU K40    W     N27442834W097294434                      E0046     NAR           COKNU
        SUSAEAENRT   FEKEL K40    W     N27492912W097294960                      E0046     NAR           FEKEL
        SUSAEAENRT   HADON K40    W     N27334053W097293305                      E0046     NAR           HADON
        SUSAEAENRT   OSSOE K40    C     N27395272W097293954                      E0046     NAR           OSSOE
        SUSAEAENRT   SOLON K40    C   L N27260977W097254157                      E0045     NAR           SOLON

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        --------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCRPK4ACRP     0     075YHN27461330W097300440E007000044         1800018000C    MNAR    CORPUS CHRISTI INTL

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        --------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCRPK4FR35-Y ASOLON 010SOLONK4EA0E  A    IF                                                18000                A JS
        SUSAP KCRPK4FR35-Y ASOLON 020HADONK4EA0EE B 010TF                      32840082    + 02000                                A JS
        SUSAP KCRPK4FR35-Y R      010HADONK4EA0E  I    IF                                + 02000     18000                      A JS
        SUSAP KCRPK4FR35-Y R      020OSSOEK4EA1E  F 051TF                      35210062    + 02000                 RW35  K4PGA JS
        SUSAP KCRPK4FR35-Y R      020OSSOEK4EA2WALPV       ALNAV/VNAV ALNAV                                                      JS
        SUSAP KCRPK4FR35-Y R      021COKNUK4EA0E S  031TF                      35210046    V 0050000512        -300          A JS
        SUSAP KCRPK4FR35-Y R      030RW35 K4PG0GY M 031TF                      35210013      00096             -300          A JS
        SUSAP KCRPK4FR35-Y R      040         0  M  010CA                      3521        + 00240                           A JS
        SUSAP KCRPK4FR35-Y R      050FEKELK4EA0E    010DF                                                                     A JS
        SUSAP KCRPK4FR35-Y R      060ATHISK4EA0EY   010TF                      3024        + 02000                           A JS
        SUSAP KCRPK4FR35-Y R      070ATHISK4EA0EE  R020HM                      10700040    + 02000                           A JS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        --------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCRPK4GRW35    0060803521 N27454654W097294571+0000    -0014500039000057150I

                 1         2         3         4         5         6         7         8         9         0         1         2         3
PP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        --------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCRPK4PR35-Y RW35 001Y0000W35A0N2745465400W09729457100-001450300N2746477300W0972946780010675003200571F4003508A9CB0CF
```

CITY AND STATE	ELEVATION: 44 TDZE: 40	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP: RNAV (GPS) RWY 35
CORPUS CHRISTI, TX	AIRPORT NAME: CORPUS CHRISTI INTL	RNAV	RNAV (GPS) Y RWY 35, AMDT 1A 23 SEP 2010	AMDT: 1 DATED: 07/29/2010

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

```
        SUSAP KCRPK4PR35-Y RW35 002E      +00120+00120LPV       69617

                 1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCRPK4SRW35 K4PG                0   18018002125                                                                    M
```

CITY AND STATE		FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP: RNAV (GPS) RWY 35
CORPUS CHRISTI, TX	ELEVATION: 44 TDZE: 40 AIRPORT NAME: CORPUS CHRISTI INTL	RNAV	RNAV (GPS) Y RWY 35, AMDT 1A 23 SEP 2010	AMDT: 1 DATED: 07/29/2010

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

VOR/DME RNAV

STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.33

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

TERMINAL ROUTES

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 8260-15A FOR THIS AIRPORT ALTERNATE: N A ☐

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

NOTES:

SEP 23 2010

PROCEDURE CANCELLED EFFECTIVE ____

CITY AND STATE	ELEVATION 152 TDZE 152 / AIRPORT NAME	FACILITY IDENTIFIER	PROCEDURE NO / AMDT NO / EFFECTIVE DATE	SUP
HOUSTON, TX	DAVID WAYNE HOOKS MEMORIAL	IAH	NOV 01 2001 VOR/DME RNAV RWY 35L, AMDT 4	AMDT 3A DATE 4/20/00

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

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

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

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
FLOYD	HOFOB (FB)	237.10 / 20.23	5200
SPADE	ONEXY (FB)	116.88 / 7.57	5100
HOFOB (IAF)	TUDPY (FB)	260.78 / 10.00	5100
ONEXY (IAF)	TUDPY (FB)	080.56 / 10.00	5100
TUDPY (IF)	ZIRIN (FB)	170.67 / 6.01	4400

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW17R

CLIMB TO 5400 DIRECT ZOVOC AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD S, RT, 350.67 INBOUND.
CHART FAS OBST: 3330 TOWER 334142N/1015033W
CHART FAS OBST: 3346 ELEVATOR 334159N/1015003W
3504 AAO 334408N/1014839W
DISTANCE TO THLD FROM 200 HAT: 0.46 NM.
CHART VDP AT 1.02 MILES TO RW17R* *LNAV ONLY.
WAAS CHANNEL # 40028
REFERENCE PATH ID: W17A
CHART: ASR

1. PT NA SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT TUDPY
3. FAC: 170.67 FAF: ZIRIN DIST FAF TO MAP: 3.31 THLD: 3.31
4. MIN. ALT: TUDPY 5100, ZIRIN 4400
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 4400 GS ALT AT: ZIRIN 4400 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 53.2 34:1 IS CLEAR
8. MSA FROM: RW17R 5300

MAG VAR: 9E EPOCH YEAR: 1985

MINIMUMS

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

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	3482	2400	200	3482	2400	200	3482	2400	200	3482	2400	200	3482	2400	200
LNAV/VNAV DA	3591	2400	309	3591	2400	309	3591	2400	309	3591	4000	309	3591	4000	309
LNAV MDA	3600	2400	318	3600	2400	318	3600	2400	318	3600	5000	318	3600	5000	318
CIRCLING	3720	1	438	3740	1	458	3740	1 1/2	458	3840	2	558	3980	2 1/2	698

NOTES:
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: FOR INOPERATIVE MALSR INCREASE LPV CAT E VISIBILITY TO RVR 4000, LNAV/VNAV CATS D AND E VISIBILITY TO RVR 5000 AND INOP TABLE DOES NOT APPLY TO LNAV CATS D AND E.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -21C (-5F) OR ABOVE 41C SEE 8260-10

@ CAT E 800-2 1/2

QUALITY CHECK 4

CITY AND STATE	ELEVATION: 3282 TDZE: 3282	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP: RNAV (GPS) RWY 17R
LUBBOCK, TX	AIRPORT NAME: LUBBOCK PRESTON SMITH INTL	RNAV	RNAV (GPS) Y RWY 17R, AMDT 2 23 SEP 2010	AMDT: 1 DATED 09/01/2005

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

NOTES CONT.
(105F).
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL AT SPADE ON V62 NORTHWEST BOUND.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL AT FLOYD ON V278 EAST BOUND AND V14 NORTHEAST BOUND.

QUALITY CHECKED 4

CITY AND STATE	ELEVATION: 3282 TDZE: 3282	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP: RNAV (GPS) RWY 17R
LUBBOCK, TX	AIRPORT NAME: LUBBOCK PRESTON SMITH INTL	RNAV	RNAV (GPS) Y RWY 17R, AMDT 2 23 SEP 2010	AMDT: 1 DATED: 09/01/2005

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

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KLBB
RUNWAY	RW17R
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	Y
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W17A
LTP/FTP LATITUDE	334056.4955N
LTP/FTP LONGITUDE	1014944.5300W
LTP/FTP ELLIPSOIDAL HEIGHT	+09754
FPAP LATITUDE	333859.1000N
FPAP LONGITUDE	1014943.7200W
THRESHOLD CROSSING HEIGHT (TCH)	00053.2
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0112
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	5992E360

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+10005
FPAP ORTHOMETRIC HEIGHT	+10005

4
CHECKED

CITY AND STATE	ELEVATION: 3282 TDZE: 3282	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP: RNAV (GPS) RWY 17R
LUBBOCK, TX	AIRPORT NAME: LUBBOCK PRESTON SMITH INTL	RNAV	RNAV (GPS) Y RWY 17R, AMDT 2 23 SEP 2010	AMDT: 1 DATED: 09/01/2005

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

ARINC PACKET - 424-18 - RNAV (GPS)

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   FLOYD K40    R   L N33583419W101153606                      E0067     NAR           FLOYD
        SUSAEAENRT   HOFOB K40    W     N33501959W101374809                      E0068     NAR           HOFOB
        SUSAEAENRT   ONEXY K40    W     N33501266W102014869                      E0071     NAR           ONEXY
        SUSAEAENRT   SPADE K40    R   L N33543969W102091064                      E0071     NAR           SPADE
        SUSAEAENRT   TUDPY K40    W     N33501671W101494840                      E0069     NAR           TUDPY
        SUSAEAENRT   ZIRIN K40    W     N33441558W101494590                      E0069     NAR           ZIRIN
        SUSAEAENRT   ZOVOC K40    W     N33282335W101493935                      E0069     NAR           ZOVOC

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KLBBK4ALBB     0     115YHN33394910W101492200E009003282         1800018000C    MNAR    LUBBOCK PRESTON SMITH INTL

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KLBBK4FR17RY AFLOYD 010FLOYDK4EA0E       IF                                          18000                A JS
        SUSAP KLBBK4FR17RY AFLOYD 020HOFOBK4EA0E  A 020TF                    23710202    + 05200                         A JS
        SUSAP KLBBK4FR17RY AFLOYD 030TUDPYK4EA0EE B 010TF                    26080100    + 05100                         A JS
        SUSAP KLBBK4FR17RY ASPADE 010SPADEK4EA0E       IF                                          18000                A JS
        SUSAP KLBBK4FR17RY ASPADE 020ONEXYK4EA0E  A 020TF                    11690076    + 05100                         A JS
        SUSAP KLBBK4FR17RY ASPADE 030TUDPYK4EA0EE B 010TF                    08060100    + 05100                         A JS
        SUSAP KLBBK4FR17RY R      010TUDPYK4EA0E  I    IF                                + 05100     18000               A JS
        SUSAP KLBBK4FR17RY R      020ZIRINK4EA1E  F 051TF                    17070060    + 04400                 RW17RAK4PGA JS
        SUSAP KLBBK4FR17RY R      020ZIRINK4EA2WALPV       ALNAV/VNAV ALNAV                                                JS
        SUSAP KLBBK4FR17RY R      030RW17RK4PGOGY M 031TF                    17070033      03336            -300          A JS
        SUSAP KLBBK4FR17RY R      040         0  M  010CA                    1707        + 03482                         A JS
        SUSAP KLBBK4FR17RY R      050ZOVOCK4EA0EY   010DF                                + 05400                         A JS
        SUSAP KLBBK4FR17RY R      060ZOVOCK4EA0EE  R020HM                    35070050    + 05400                         A JS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KLBBK4GRW17R   0115001707 N33405650W101494453-0300    +09754032820000531501
```

CITY AND STATE	ELEVATION: 3282 TDZE: 3282	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP: RNAV (GPS) RWY 17R
LUBBOCK, TX	AIRPORT NAME: LUBBOCK PRESTON SMITH INTL	RNAV	RNAV (GPS) Y RWY 17R, AMDT 2 23 SEP 2010	AMDT: 1 DATED: 09/01/2005

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

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
PP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KLBBK4PR17RY RW17R001Y0000W17A0N3340564955W10149445300+097540300N3338591000W101494372001067501120005 32F4003505992E360
        SUSAP KLBBK4PR17RY RW17R002E      +10005+10005LPV       40028
```

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KLBBK4SRW17RK4PGA               0   18018005325                                                                        M
```

CITY AND STATE		FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	
LUBBOCK, TX	ELEVATION: 3282 TDZE: 3282 AIRPORT NAME: LUBBOCK PRESTON SMITH INTL	RNAV	RNAV (GPS) Y RWY 17R, AMDT 2 23 SEP 2010	SUP: RNAV (GPS) RWY 17R AMDT: 1 DATED: 09/01/2005

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

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

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

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
MANIC	OGHUS (FB)	057.83 / 18.24	5200
RALLS	EMUMY (FB)	214.00 / 21.27	5200
EMUMY (IAF)	ZOVOC (FB)	260.78 / 10.00	5200
OGHUS (IAF)	ZOVOC (FB)	080.67 / 10.31	5200
ZOVOC (IF)	UFACI (FB)	350.67 / 6.28	4700

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW35L

CLIMB TO 5400 DIRECT TUDPY AND HOLD.

1. PT NA SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT ZOVOC
3. FAC: 350.67 FAF: UFACI DIST FAF TO MAP: 4.35 THLD: 4.35
4. MIN. ALT: ZOVOC 5200, UFACI 4700
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 4700 GS ALT AT: UFACI 4700 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 54.0 34:1 IS CLEAR
8. MSA FROM: RW35L 5300

ADDITIONAL FLIGHT DATA:
HOLD N, RT, 170.67 INBOUND.
CHART FAS OBST: 3360 TOWER 333839N/1015022W
CHART FAS OBST: 3518 TOWER 333605N/1015017W
CHART 3570 TOWER 333448N/1015048W.
DISTANCE TO THLD FROM 200 HAT: 0.49 NM.
CHART VDP AT 1.64 MILES TO RW35L* *LNAV ONLY.
WAAS CHANNEL # 50128
REFERENCE PATH ID: W35A
CHART: ASR

MAG VAR: 9E EPOCH YEAR: 1985

MINIMUMS

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

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	3454	3/4	200	3454	3/4	200	3454	3/4	200	3454	3/4	200	3454	3/4	200
LNAV/VNAV DA	3673	1 1/2	419	3673	1 1/2	419	3673	1 1/2	419	3673	1 1/2	419	3673	1 1/2	419
LNAV MDA	3820	3/4	566	3820	3/4	566	3820	1 1/2	566	3820	1 3/4	566	3820	2	566
CIRCLING	3820	1	538	3820	1	538	3820	1 1/2	538	3840	2	558	3980	2 1/2	698

NOTES:
CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO LPV, LNAV/VNAV ALL CATS AND LNAV CAT C.
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -21C (-5F) OR ABOVE 42C (107F).
SEE 8260-10

@ CAT E 800-2 1/2

QUALITY CHECKED

CITY AND STATE	ELEVATION: 3282 TDZE: 3254	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP: RNAV (GPS) RWY 35L
LUBBOCK, TX	AIRPORT NAME: LUBBOCK PRESTON SMITH INTL	RNAV	RNAV (GPS) Y RWY 35L, AMDT 2 23 SEP 2010	AMDT: 1 DATED 05/10/2007

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

NOTES CONT.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT MANIC ON V102 SOUTHWEST BOUND.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT RALLS ON V102 EAST BOUND.

CHECKED

CITY AND STATE	ELEVATION: 3282 TDZE: 3254 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP: RNAV (GPS) RWY 35L
LUBBOCK, TX	LUBBOCK PRESTON SMITH INTL	RNAV	RNAV (GPS) Y RWY 35L, AMDT 2 23 SEP 2010	AMDT: 1 DATED: 05/10/2007

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

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KLBB
RUNWAY	RW35L
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	Y
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W35A
LTP/FTP LATITUDE	333902.7455N
LTP/FTP LONGITUDE	1014943.7405W
LTP/FTP ELLIPSOIDAL HEIGHT	+09633
FPAP LATITUDE	334056.5000N
FPAP LONGITUDE	1014944.5300W
THRESHOLD CROSSING HEIGHT (TCH)	00054.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0000
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	0F729972

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+09883
FPAP ORTHOMETRIC HEIGHT	+09883

QUALITY CONTROL

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

ARINC PACKET - 424-18 - RNAV (GPS)

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        --------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   EMUMY K40    W     N33282624W101374208                    E0068     NAR           EMUMY
        SUSAEAENRT   MANIC K40    R   L N33211063W102220177                    E0072     NAR           MANIC
        SUSAEAENRT   OGHUS K40    W     N33282039W102015893                    E0070     NAR           OGHUS
        SUSAEAENRT   RALLS K40    R   L N33440268W101202141                    E0067     NAR           RALLS
        SUSAEAENRT   TUDPY K40    W     N33501671W101494840                    E0069     NAR           TUDPY
        SUSAEAENRT   UFACI K40    W     N33344100W101494194                    E0069     NAR           UFACI
        SUSAEAENRT   ZOVOC K40    W     N33282335W101493935                    E0069     NAR           ZOVOC

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        --------------------------------------------------------------------------------------------------------------------------------
        SUSAP KLBBK4ALBB     0     115YHN33394910W101492200E009003282         1800018000C    MNAR    LUBBOCK PRESTON SMITH INTL

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        --------------------------------------------------------------------------------------------------------------------------------
        SUSAP KLBBK4FR35LY AMANIC 010MANICK4EA0E       IF                                          18000                A JS
        SUSAP KLBBK4FR35LY AMANIC 020OGHUSK4EA0E  A 020TF                    05780182    + 05200                         A JS
        SUSAP KLBBK4FR35LY AMANIC 030ZOVOCK4EA0EE B 010TF                    08070103    + 05200                         A JS
        SUSAP KLBBK4FR35LY ARALLS 010RALLSK4EA0E       IF                                          18000                A JS
        SUSAP KLBBK4FR35LY ARALLS 020EMUMYK4EA0E  A 020TF                    21400213    + 05200                         A JS
        SUSAP KLBBK4FR35LY ARALLS 030ZOVOCK4EA0EE B 010TF                    26080100    + 05200                         A JS
        SUSAP KLBBK4FR35LY R      010ZOVOCK4EA0E  I    IF                                + 05200     18000               A JS
        SUSAP KLBBK4FR35LY R      020UFACIK4EA1E  F 051TF                    35070063    + 04700                 RW35LAK4PGA JS
        SUSAP KLBBK4FR35LY R      020UFACIK4EA2WALPV       ALNAV/VNAV ALNAV                                                JS
        SUSAP KLBBK4FR35LY R      030RW35LK4PG0GY M 031TF                    35070044      03297             -300          A JS
        SUSAP KLBBK4FR35LY R      040         0  M  010CA                    3507        + 03454                         A JS
        SUSAP KLBBK4FR35LY R      050TUDPYK4EA0EY   010DF                                + 05400                         A JS
        SUSAP KLBBK4FR35LY R      060TUDPYK4EA0EE  R020HM                    17070050    + 05400                         A JS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        --------------------------------------------------------------------------------------------------------------------------------
        SUSAP KLBBK4GRW35L   0115003507 N33390275W101494374+0300    +0963303243000054150R
```

QUALITY CHECKED 4

CITY AND STATE	ELEVATION: 3282 TDZE: 3254	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP: RNAV (GPS) RWY 35L
LUBBOCK, TX	AIRPORT NAME: LUBBOCK PRESTON SMITH INTL	RNAV	RNAV (GPS) Y RWY 35L, AMDT 2 23 SEP 2010	AMDT: 1 DATED: 05/10/2007

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

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
PP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KLBBK4PR35LY RW35L001Y0000W35A0N3339027455W10149437405+096330300N3340565000W10149445300106750000000540F4003500F729972
        SUSAP KLBBK4PR35LY RW35L002E      +09883+09883LPV       50128
```

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KLBBK4SRW35LK4PGA               0   18018005325                                                                   M
```

CITY AND STATE	ELEVATION: 3282 TDZE: 3254	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP: RNAV (GPS) RWY 35L
LUBBOCK, TX	AIRPORT NAME: LUBBOCK PRESTON SMITH INTL	RNAV	RNAV (GPS) Y RWY 35L, AMDT 2 23 SEP 2010	AMDT: 1 DATED: 05/10/2007

U.S. Department of Transportation
Federal Aviation Administration

RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.33

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

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
FLOYD	HOFOB (TF) (FB) (RNP 2.00)	237.10/20.23	5200
HOFOB (IAF)	TUDPY (TF) (FB) (RNP 1.00)	260.78/10.00	5100
SPADE	ONEXY (TF) (FB) (RNP 2.00)	116.88/7.57	5100
ONEXY (IAF)	TUDPY (TF) (FB) (RNP 1.00)	080.56/10.00	5100
TUDPY (IF)	ZIRIN (TF) (FB) (RNP 0.50)	170.67/6.01	4400
ZIRIN (FAF)	RW17R (TF) (FO)	170.67/3.31	
RW17R (MAP)	ZOVOC (TF) (FO) (RNP 1.00)	170.67/12.53	5400

MISSED APPROACH

MAP DA

CLIMB TO 5400 ON TRACK 170.67 TO ZOVOC AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD S, RT, 350.67 INBOUND.
DISTANCE TO THLD FROM 256 HAT: 0.64NM
ROUTE TYPE: A, R
ROUTE TYPE QUALIFIER 1: P
ROUTE TYPE QUALIFIER 2: S
#TCH 3335.60 (DO NOT CHART)

1. PT NA SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT TUDPY
3. FAC: 170.67 FAF: ____ DIST FAF TO MAP: ____ THLD: ____
4. MIN. ALT: TUDPY 5100
5. DIST TO THLD FROM OM: 3.31 MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 4400 GS ALT AT: ZIRIN 4400 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 53.20# 34:1 IS CLEAR
8. MSA FROM: RW17R 5400

MAG VAR: 9E EPOCH YEAR: 1985

MINIMUMS

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

CATEGORY =====>	A			B			C			D			E		
	DH/ MDA	VIS	HAT/HAA	DH/ MDA	VIS	HAT/HAA	DH/ MDA	VIS	HAT/HAA	DH/ MDA	VIS	HAT/HAA	DH/ MDA	VIS	HAT/HAA
SPECIAL AIRCRAFT AND AIRCREW AUTHORIZATION REQUIRED															
RNP 0.16 DA	3538	2400	256	3538	2400	256	3538	2400	256	3538	2400	256			
RNP 0.30 DA	3589	2400	307	3589	2400	307	3589	2400	307	3589	2400	307			

NOTES: CHART NOTE: GPS REQUIRED. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -12C (10F) OR ABOVE 41C (106F). CHART NOTE: FOR INOPERATIVE MALSR, INCREASE RNP 0.16 ALL CATS VISIBILITY TO RVR 4000 AND RNP 0.30 ALL CATS VISIBILITY TO RVR 5000. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL AT SPADE ON V62 NORTHWEST BOUND. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL AT FLOYD ON V14 NORTHEAST BOUND AND V278 EAST BOUND.

QUALITY CHECKED

CITY AND STATE	ELEVATION: 3282 TDZE: 3282 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
LUBBOCK, TX	LUBBOCK PRESTON SMITH INTL	RNAV	23 SEP 2010 RNAV (RNP) Z RWY 17R, ORIG	AMDT: NONE
				DATE

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

ARINC PACKET - 424-18 - RNAV (RNP)

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   FLOYD K40    R   L N33583419W101153606                    E0067     NAR           FLOYD
        SUSAEAENRT   HOFOB K40    W     N33501959W101374809                    E0069     NAR           HOFOB
        SUSAEAENRT   ONEXY K40    W     N33501266W102014869                    E0071     NAR           ONEXY
        SUSAEAENRT   SPADE K40    R   L N33543969W102091064                    E0071     NAR           SPADE
        SUSAEAENRT   TUDPY K40    W     N33501671W101494840                    E0070     NAR           TUDPY
        SUSAEAENRT   ZIRIN K40    W     N33441558W101494590                    E0070     NAR           ZIRIN
        SUSAEAENRT   ZOVOC K40    W     N33282335W101493935                    E0069     NAR           ZOVOC

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KLBBK4ALBB     0     115YHN33394910W101492200E009003282         1800018000C    MNAR    LUBBOCK PRESTON SMITH INTL

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KLBBK4FR17RZ AFLOYD 010FLOYDK4EAOE       IF                                                18000                A PS
        SUSAP KLBBK4FR17RZ AFLOYD 020HOFOBK4EAOE  A 020TF                      23710202    + 05200                                A PS
        SUSAP KLBBK4FR17RZ AFLOYD 030TUDPYK4EAOEE B 010TF                      26080100    + 05100                                A PS
        SUSAP KLBBK4FR17RZ ASPADE 010SPADEK4EAOE       IF                                                18000                A PS
        SUSAP KLBBK4FR17RZ ASPADE 020ONEXYK4EAOE  A 020TF                      11690076    + 05100                                A PS
        SUSAP KLBBK4FR17RZ ASPADE 030TUDPYK4EAOEE B 010TF                      08060100    + 05100                                A PS
        SUSAP KLBBK4FR17RZ R      010TUDPYK4EAOE  I    IF                                + 05100     18000                      A PS
        SUSAP KLBBK4FR17RZ R      020ZIRINK4EA1E  F 051TF                      17070060    + 04400                  RW17RBK4PGA PS
        SUSAP KLBBK4FR17RZ R      020ZIRINK4EA2W                                               A031A162                          PS
        SUSAP KLBBK4FR17RZ R      030RW17RK4PGOGY M 031TF                      17070033      03336             -300            A PS
        SUSAP KLBBK4FR17RZ R      040ZOVOCK4EAOEYM  010TF                      17070125    + 05400                                A PS
        SUSAP KLBBK4FR17RZ R      050ZOVOCK4EAOEE  R020HM                      35070050    + 05400                                A PS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KLBBK4GRW17R   0115001707 N33405650W101494453-0300    +09754032820000531501

                 1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KLBBK4SRW17RK4PGB                0   18018005425                                                                        M
```

CITY AND STATE	ELEVATION: 3282 TDZE: 3282	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
LUBBOCK, TX	AIRPORT NAME: LUBBOCK PRESTON SMITH INTL	RNAV	RNAV (RNP) Z RWY 17R, ORIG 23 SEP 2010	AMDT: NONE DATED:

U.S. Department of Transportation
Federal Aviation Administration

RNAV-STANDARD
INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.33

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

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
RUKTE	JUNVA (TF) (FB) (RNP 2.00)	66.87/27.79	5200
JUNVA (IAF)	ZOVOC (TF) (FB) (RNP 0.90)	36.51/10.16	5200
RALLS	EMUMY (TF) (FB) (RNP 2.00)	214.00/21.27	5200
EMUMY (IAF)	ZOVOC (TF) (FB) (RNP 1.00)	260.78/10.00	5200
ZOVOC (IF)	UFACI (TF) (FB) (RNP 0.50)	350.67/6.28	4700
UFACI (FAF)	RW35L (TF) (FO)	350.67/4.35	
RW35L (MAP)	TUDPY (TF) (FO) (RNP 1.00)	350.67/11.21	5400

MISSED APPROACH

MAP DA

CLIMB TO 5400 ON TRACK 350.67 TO TUDPY AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD N, RT, 170.67 INBOUND.
DISTANCE TO THLD FROM 303 HAT: 0.82 NM
ROUTE TYPE: A, R
ROUTE TYPE QUALIFIER 1: P
ROUTE TYPE QUALIFIER 2: S
#TCH 3296.50 MSL (DO NOT CHART)

1. PT NA SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT ZOVOC
3. FAC: 350.67 FAF: ____ DIST FAF TO MAP: ____ THLD: ____
4. MIN. ALT: ZOVOC 5200
5. DIST TO THLD FROM OM: 4.35 MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 4700 GS ALT AT: UFACI OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 54.0# 34:1 IS CLEAR
8. MSA FROM: RW35L 5400

MAG VAR: 9E EPOCH YEAR: 1985

MINIMUMS

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

CATEGORY =====>	A			B			C			D			E		
	DH/ MDA	VIS	HAT/HAA	DH/ MDA	VIS	HAT/HAA	DH/ MDA	VIS	HAT/HAA	DH/ MDA	VIS	HAT/HAA	DH/ MDA	VIS	HAT/HAA
SPECIAL AIRCRAFT AND AIRCREW AUTHORIZATION REQUIRED															
RNP 0.18 DA	3557	3/4	303	3557	3/4	303	3557	3/4	303	3557	1	303			
RNP 0.30 DA*	3572	3/4	318	3572	3/4	318	3572	3/4	318	3572	1	318			
RNP 0.30 DA	3610	1 1/4	356	3610	1 1/4	356	3610	1 1/4	356	3610	1 1/4	356			

NOTES: CHART NOTE: *MISSED APPROACH REQUIRES A MINIMUM CLIMB OF 425 FEET PER NM TO 5400. CHART NOTE: GPS REQUIRED. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -12C (10F) OR ABOVE 42C (108F). CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT RUKTE ON V102 SOUTHWEST BOUND. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT RALLS ON V102 EAST BOUND. CHART NOTE: FOR INOPERATIVE ODALS, INCREASE RNP 0.18 AND RNP 0.30* CATS A, B AND C VISIBILITY TO 1 MILE. CHART NOTE: WHEN VGSI INOP, RNP 0.18 NA.

CITY AND STATE	ELEVATION: 3282 TDZE: 3254 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
LUBBOCK, TX	LUBBOCK PRESTON SMITH INTL	RNAV	23 SEP 2010 RNAV (RNP) Z RWY 35L, ORIG	AMDT: NONE DATE

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (RNP) STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.33**

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

ARINC PACKET - 424-18 - RNAV (RNP)

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   EMUMY K40    W     N33282524W101374208                    E0068     NAR           EMUMY
        SUSAEAENRT   JUNVA K40    C   L N33211553W101581942                    E0070     NAR           JUNVA
        SUSAEAENRT   RALLS K40    R   L N33440268W101202141                    E0067     NAR           RALLS
        SUSAEAENRT   RUKTE K40    C   L N33143186W102303010                    E0073     NAR           RUKTE
        SUSAEAENRT   TUDPY K40    W     N33501571W101494840                    E0070     NAR           TUDPY
        SUSAEAENRT   UFACI K40    W     N33344100W101494194                    E0070     NAR           UFACI
        SUSAEAENRT   ZOVOC K40    W     N33282335W101493935                    E0069     NAR           ZOVOC

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KLBBK4ALBB     0     115YHN33394910W101492200E009003282         1800018000C    MNAR    LUBBOCK PRESTON SMITH INTL

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KLBBK4FR35LZ ARALLS 010RALLSK4EA0E       IF                                          18000                A PS
        SUSAP KLBBK4FR35LZ ARALLS 020EMUMYK4EA0E  A 020TF                    21400213    + 05200                         A PS
        SUSAP KLBBK4FR35LZ ARALLS 030ZOVOCK4EA0EE B 010TF                    26080100    + 05200                         A PS
        SUSAP KLBBK4FR35LZ ARUKTE 010RUKTEK4EA0E       IF                                          18000                A PS
        SUSAP KLBBK4FR35LZ ARUKTE 020JUNVAK4EA0E  A 020TF                    06690278    + 05200                         A PS
        SUSAP KLBBK4FR35LZ ARUKTE 030ZOVOCK4EA0EE B 091TF                    03650102    + 05200                         A PS
        SUSAP KLBBK4FR35LZ R      010ZOVOCK4EA0E  I    IF                                + 05200     18000               A PS
        SUSAP KLBBK4FR35LZ R      020UFACIK4EA1E  F 051TF                    35070063    + 04700                RW35LBK4PGA PS
        SUSAP KLBBK4FR35LZ R      020UFACIK4EA2W                                             A031A182                     PS
        SUSAP KLBBK4FR35LZ R      030RW35LK4PG0GY M 031TF                    35070044      03297            -300          A PS
        SUSAP KLBBK4FR35LZ R      040TUDPYK4EA0EYM  010TF                    35070112    + 05400                         A PS
        SUSAP KLBBK4FR35LZ R      050TUDPYK4EA0EE  R020HM                    17070050    + 05400                         A PS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KLBBK4GRW35L   0115003507 N33390275W101494374+0300    +0963303243000054150R

                 1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KLBBK4SRW35LK4PGB              0   18018005425                                                                        M
```

CITY AND STATE	ELEVATION: 3282 TDZE: 3254	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
LUBBOCK, TX	AIRPORT NAME: LUBBOCK PRESTON SMITH INTL	RNAV	RNAV (RNP) Z RWY 35L, ORIG 23 SEP 2010	AMDT: NONE DATED:

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

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

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

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
BARBA	ZURGU (FB)	225.11 / 14.76	3500
ZURGU (IAF)	VEYUR (FB)	290.61 / 5.26	3000
VEYUR (IF)	WOGUN (FB)	020.56 / 6.66	2000

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW02

CLIMB TO 3600 DIRECT FOMUS AND ON TRACK 080.78 TO BARES AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3600.

1. PT NA SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT VEYUR
3. FAC: 020.59 FAF: WOGUN DIST FAF TO MAP: 3.98 THLD: 3.98
4. MIN. ALT: VEYUR 3000, WOGUN 2000
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 2000 GS ALT AT: WOGUN 2000 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 45.0 34:1 IS CLEAR
8. MSA FROM: RW02 3600

ADDITIONAL FLIGHT DATA:
HOLD W, RT, 080.78 INBOUND.
CHART FAS OBST: 803 TANK 310858N/0972455W
FAS OBST: 819 AAO 310614N/0972725W
CHART R-6302A .
CHART R-6302B.
DISTANCE TO THLD FROM 200 HAT: 0.49 NM.
CHART VDP AT 1.13 MILES TO RW02* *LNAV ONLY.
WAAS CHANNEL # 72701
REFERENCE PATH ID: W02A

MAG VAR: 7E EPOCH YEAR: 1990

MINIMUMS

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

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	875	1	200	875	1	200	875	1	200	875	1	200			
LNAV/VNAV DA	1145	1 3/4	470	1145	1 3/4	470	1145	1 3/4	470	1145	1 3/4	470			
LNAV MDA	1080	1	405	1080	1	405	1080	1 1/4	405	1080	1 1/4	405			
CIRCLING	1120	1	438	1180	1	498	1180	1 1/2	498	1240	2	558			

NOTES:
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C (4F) OR ABOVE 47C (116F).
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: BARO-VNAV AND VDP NA WHEN USING KILLEEN ALTIMETER SETTING.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE KILLEEN ALTIMETER SETTING AND INCREASE ALL DA 58 FEET AND ALL MDA 60 FEET. INCREASE LNAV CAT D VISIBILITY 1/4 MILE.

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

CITY AND STATE	ELEVATION: 682 TDZE: 675	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
TEMPLE, TX	AIRPORT NAME: DRAUGHON-MILLER CENTRAL TEXAS RGNL	RNAV	RNAV (GPS) RWY 2, AMDT 1 23 SEP 2010	AMDT: ORIG DATED 09/28/2006

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

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KTPL
RUNWAY	RW02
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W02A
LTP/FTP LATITUDE	310851.8600N
LTP/FTP LONGITUDE	0972434.0900W
LTP/FTP ELLIPSOIDAL HEIGHT	+01785
FPAP LATITUDE	311010.9900N
FPAP LONGITUDE	0972345.9600W
THRESHOLD CROSSING HEIGHT (TCH)	00045.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1304
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	00EF2C3F

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+02056
FPAP ORTHOMETRIC HEIGHT	+02056

QUALITY CHECKED

CITY AND STATE	ELEVATION: 682 TDZE: 675	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
TEMPLE, TX	AIRPORT NAME: DRAUGHON-MILLER CENTRAL TEXAS RGNL	RNAV	RNAV (GPS) RWY 2, AMDT 1 23 SEP 2010	AMDT: ORIG DATED: 09/28/2006

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

ARINC PACKET - 424-18 - RNAV (GPS)

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        --------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   BARBA K40    C   L N31060409W097112021                    E0043     NAR           BARBA
        SUSAEAENRT   BARES K40    C   L N31124483W097121710                    E0044     NAR           BARES
        SUSAEAENRT   FOMUS K40    W     N31122499W097222439                    E0045     NAR           FOMUS
        SUSAEAENRT   VEYUR K40    W     N30592476W097301830                    E0045     NAR           VEYUR
        SUSAEAENRT   WOGUN K40    W     N31051990W097264289                    E0045     NAR           WOGUN
        SUSAEAENRT   ZURGU K40    C   L N30565829W097245291                    E0045     NAR           ZURGU

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        --------------------------------------------------------------------------------------------------------------------------------
        SUSAP KTPLK4ATPL     0     063YHN31090900W097242800E007000682         1800018000C    MNAR    DRAUGHON-MILLER CENTRAL TEXAS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        --------------------------------------------------------------------------------------------------------------------------------
        SUSAP KTPLK4FR02   ABARBA 010BARBAK4EA0E       IF                                                18000                A JS
        SUSAP KTPLK4FR02   ABARBA 020ZURGUK4EA0E  A 020TF                    22510148    + 03500                                A JS
        SUSAP KTPLK4FR02   ABARBA 030VEYURK4EA0EE B 010TF                    29060053    + 03000                                A JS
        SUSAP KTPLK4FR02   AZURGU 010ZURGUK4EA0E  A    IF                                                18000                A JS
        SUSAP KTPLK4FR02   AZURGU 020VEYURK4EA0EE B 010TF                    29060053    + 03000                                A JS
        SUSAP KTPLK4FR02   R      010VEYURK4EA0E  I    IF                                + 03000     18000                A JS
        SUSAP KTPLK4FR02   R      020WOGUNK4EA1E  F 051TF                    02060067    + 02000                 RW02  K4PGA JS
        SUSAP KTPLK4FR02   R      020WOGUNK4EA2WALPV       ALNAV/VNAV ALNAV                                                   JS
        SUSAP KTPLK4FR02   R      030RW02 K4PG0GY M 031TF                    02060040      00719             -300          A JS
        SUSAP KTPLK4FR02   R      040         0  M  010CA                    0206        + 00875                             A JS
        SUSAP KTPLK4FR02   R      050FOMUSK4EA0E    010DF                                                                     A JS
        SUSAP KTPLK4FR02   R      060BARESK4EA0EY   010TF                    0808        + 03600                             A JS
        SUSAP KTPLK4FR02   R      070BARESK4EA0EE  R020HM                    08080040    + 03600                             A JS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        --------------------------------------------------------------------------------------------------------------------------------
        SUSAP KTPLK4GRW02    0047400206 N31085186W097243409-0200    +01785006740000451 00R
```

CITY AND STATE	ELEVATION: 682 TDZE: 675	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
TEMPLE, TX	AIRPORT NAME: DRAUGHON-MILLER CENTRAL TEXAS RGNL	RNAV	RNAV (GPS) RWY 2, AMDT 1 23 SEP 2010	AMDT: ORIG DATED: 09/28/2006

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

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
PP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KTPLK4PR02   RW02 001 0000W02A0N3108518600W09724340900+017850300N3110109900W097234596001067513040004 50F40035000EF2C3F
        SUSAP KTPLK4PR02   RW02 002E      +02056+02056LPV       72701
```

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KTPLK4SRW02 K4PG                0   18018003625                                                                        M
```

CITY AND STATE	ELEVATION: 682 TDZE: 675	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
TEMPLE, TX	AIRPORT NAME: DRAUGHON-MILLER CENTRAL TEXAS RGNL	RNAV	RNAV (GPS) RWY 2, AMDT 1 23 SEP 2010	AMDT: ORIG DATED: 09/28/2006

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

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

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

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
BARBA	IHSAZ (FO)	306.84 / 20.54	3000
CONRA	IHSAZ (FO)	342.46 / 20.54	3000
ACT VORTAC (IAF)	IHSAZ (NOPT) (FB)	201.91 / 22.14	3000
IHSAZ (IF/IAF)	IFDOH (FB)	155.58 / 6.02	2400

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW15

CLIMB TO 3600 DIRECT FADXY AND ON TRACK 069.88 TO BARBA AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3600.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD NW IHSAZ, LT, 155.58 INBOUND, 3000 FT. IN LIEU OF PT (IAF)
3. FAC: 155.59 FAF: IFDOH DIST FAF TO MAP: 5.18 THLD: 5.18
4. MIN. ALT: IHSAZ 3000, IFDOH 2400, CUMIX/1.70 NM TO RW15 1240*
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 2400 GS ALT AT: IFDOH 2400 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 45.0 34:1 IS CLEAR
8. MSA FROM: RW15 3600

ADDITIONAL FLIGHT DATA:
HOLD W, RT, 069.88 INBOUND.
CHART FAS OBST: 701 TREE 310942N/0972439W
CHART FAS OBST: 769 TREE 311121N/0972556W
CHART HOOD MOA.
CHART R-6302A.
CHART R-6302B.
DISTANCE TO THLD FROM 200 HAT: 0.49 NM.
CHART VDP AT 0.98 MILES TO RW15* *LNAV ONLY.
WAAS CHANNEL # 78101
REFERENCE PATH ID: W15A

MAG VAR: 7E EPOCH YEAR: 1990

MINIMUMS

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

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	882	1/2	200	882	1/2	200	882	1/2	200	882	1/2	200			
LNAV/VNAV DA	1025	3/4	343	1025	3/4	343	1025	3/4	343	1025	3/4	343			
LNAV MDA	1040	1/2	358	1040	1/2	358	1040	1/2	358	1040	1	358			
CIRCLING	1120	1	438	1180	1	498	1180	1 1/2	498	1240	2	558			

NOTES:
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C (4F) OR ABOVE 47C (116F).
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: BARO-VNAV AND VDP NA WHEN USING KILLEEN ALTIMETER SETTING.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE KILLEEN ALTIMETER SETTING AND INCREASE SEE 8260-10

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

CITY AND STATE	ELEVATION: 682 TDZE: 682 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
TEMPLE, TX	DRAUGHON-MILLER CENTRAL TEXAS RGNL	RNAV	RNAV (GPS) RWY 15, AMDT 2 23 SEP 2010	AMDT: 1 DATED 09/28/2006

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

NOTES CONT.

ALL DA 58 FEET AND ALL MDA 60 FEET, INCREASE LNAV/VNAV ALL CATS AND LNAV CAT C VISIBILITY 1/4 MILE.

CHART NOTE: FOR INOPERATIVE MALSR, INCREASE LNAV CAT D VISIBILITY 1/4 MILE.

CHART NOTE: FOR INOPERATIVE MALSR WHEN USING KILLEEN ALTIMETER SETTING, INCREASE LPV ALL CATS VISIBILITY 1/2 MILE AND LNAV CAT D VISIBILITY 1/4 MILE.

QUALITY CHECKED

CITY AND STATE	ELEVATION: 682 TDZE: 682	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
TEMPLE, TX	AIRPORT NAME: DRAUGHON-MILLER CENTRAL TEXAS RGNL	RNAV	RNAV (GPS) RWY 15, AMDT 2 23 SEP 2010	AMDT: 1 DATED: 09/28/2006

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

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KTPL
RUNWAY	RW15
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W15A
LTP/FTP LATITUDE	310935.9700N
LTP/FTP LONGITUDE	0972443.7800W
LTP/FTP ELLIPSOIDAL HEIGHT	+01808
FPAP LATITUDE	310829.6700N
FPAP LONGITUDE	0972419.6400W
THRESHOLD CROSSING HEIGHT (TCH)	00045.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	111.00
LENGTH OFFSET	0008
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	05633DFA

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+02080
FPAP ORTHOMETRIC HEIGHT	+02080

QUALITY CHECKED

CITY AND STATE	ELEVATION: 682 TDZE: 682	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
TEMPLE, TX	AIRPORT NAME: DRAUGHON-MILLER CENTRAL TEXAS RGNL	RNAV	RNAV (GPS) RWY 15, AMDT 2 23 SEP 2010	AMDT: 1 DATED: 09/28/2006

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

ARINC PACKET - 424-18 - RNAV (GPS)

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAD        ACT   K4011530VTHA N31394440W097160850    N31394440W097160850E0090005102     NARWACO

                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   BARBA K40    C   L N31060409W097112021                      E0043     NAR           BARBA
        SUSAEAENRT   CONRA K40    R   L N31000459W097241509                      E0045     NAR           CONRA
        SUSAEAENRT   CUMIX K40    W     N31111352W097251932                      E0045     NAR           CUMIX
        SUSAEAENRT   FADXY K40    W     N31034875W097223751                      E0045     NAR           FADXY
        SUSAEAENRT   IFDOH K40    W     N31143310W097263209                      E0045     NAR           IFDOH
        SUSAEAENRT   IHSAZ K40    W     N31201862W097283830                      E0045     NAR           IHSAZ

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KTPLK4ATPL     0     070YHN31090900W097242800E007000682         1800018000C    MNAR    DRAUGHON-MILLER CENTRAL TEXAS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KTPLK4FR15   AACT    010ACT  K4D 0V  A    IF                                                18000                A JS
        SUSAP KTPLK4FR15   AACT    020IHSAZK4EA0EE B 010TF                      20190221    + 03000                          A JS
        SUSAP KTPLK4FR15   ABARBA  010BARBAK4EA0E       IF                                                18000                A JS
        SUSAP KTPLK4FR15   ABARBA  020IHSAZK4EA0EY   020TF                      30680205    + 03000                          A JS
        SUSAP KTPLK4FR15   ABARBA  030IHSAZK4EA0EE AL   HF                      15560040    + 03000                          A JS
        SUSAP KTPLK4FR15   ACONRA  010CONRAK4EA0E       IF                                                18000                A JS
        SUSAP KTPLK4FR15   ACONRA  020IHSAZK4EA0EY   020TF                      34250205    + 03000                          A JS
        SUSAP KTPLK4FR15   ACONRA  030IHSAZK4EA0EE AL   HF                      15560040    + 03000                          A JS
        SUSAP KTPLK4FR15   R       010IHSAZK4EA0E  I    IF                                  + 03000     18000                A JS
        SUSAP KTPLK4FR15   R       020IFDOHK4EA1E  F 051TF                      15560060    + 02400                 RW15  K4PGA JS
        SUSAP KTPLK4FR15   R       020IFDOHK4EA2WALPV       ALNAV/VNAV ALNAV                                                   JS
        SUSAP KTPLK4FR15   R       021CUMIXK4EA0E S  031TF                      15560035    V 0124001271        -300         A JS
        SUSAP KTPLK4FR15   R       030RW15 K4PG0GY M 031TF                      15560017      00727             -300         A JS
        SUSAP KTPLK4FR15   R       040         0  M  010CA                      1556        + 00882                          A JS
        SUSAP KTPLK4FR15   R       050FADXYK4EA0E    010DF                                                                    A JS
        SUSAP KTPLK4FR15   R       060BARBAK4EA0EY   010TF                      0698        + 03600                          A JS
```

QUALITY CHECKED 4

CITY AND STATE	ELEVATION: 682 TDZE: 682	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
TEMPLE, TX	AIRPORT NAME: DRAUGHON-MILLER CENTRAL TEXAS RGNL	RNAV	RNAV (GPS) RWY 15, AMDT 2 23 SEP 2010	AMDT: 1 DATED: 09/28/2006

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

```
        SUSAP KTPLK4FR15   R      070BARBAK4EA0EE  R020HM                    06990040    + 03600                          A JS

                  1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KTPLK4GRW15    0070001556 N31093597W097244378-0200    +0180800682000060150I

                  1         2         3         4         5         6         7         8         9         0         1         2         3
PP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KTPLK4PR15   RW15 001 0000W15A0N3109359700W09724437800+018080300N3108296700W0972419640011100000800045 0F40035005633DFA
        SUSAP KTPLK4PR15   RW15 002E      +02080+02080LPV       78101

                  1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KTPLK4SRW15 K4PG                0   18018003625                                                                      M
```

CITY AND STATE	ELEVATION: 682 TDZE: 682	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
TEMPLE, TX	AIRPORT NAME: DRAUGHON-MILLER CENTRAL TEXAS RGNL	RNAV	RNAV (GPS) RWY 15, AMDT 2 23 SEP 2010	AMDT: 1 DATED: 09/28/2006

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

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

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

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
SLIMM	FBURG (FB)	071.73 / 41.35	3100
DARTE	FBURG (FB)	357.77 / 10.60	3000
BARBA	HUHIF (FB)	198.71 / 7.22	3000
FBURG (IAF)	ESWUL (FB)	065.60 / 5.00	3000
HUHIF (IAF)	ESWUL (FB)	245.70 / 5.00	3000
ESWUL (IF)	FADXY (FB)	335.65 / 6.02	2300

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW33

CLIMB TO 3000 DIRECT IHSAZ AND HOLD.

1. PT NA SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT ESWUL
3. FAC: 335.64 FAF: FADXY DIST FAF TO MAP: 4.90 THLD: 4.90
4. MIN. ALT: ESWUL 3000, FADXY 2300, IYUJY/1.70 NM TO RW33 1260*
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 2300 GS ALT AT: FADXY 2300 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 50.0 34:1 IS CLEAR
8. MSA FROM: RW33 3600

ADDITIONAL FLIGHT DATA:
HOLD NW, LT, 155.58 INBOUND.
CHART FAS OBST: 701 TREE 310825N/0972427W
CHART FAS OBST: 792 TOWER 310700N/0972338W
CHART HOOD MOA.
CHART R-6302A .
CHART R-6302B.
DISTANCE TO THLD FROM 200 HAT: 0.49 NM.
CHART VDP AT 1.15 MILES TO RW33* *LNAV ONLY.
WAAS CHANNEL # 82401
REFERENCE PATH ID: W33A

MAG VAR: 7E EPOCH YEAR: 1990

MINIMUMS

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

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	874	3/4	200	874	3/4	200	874	3/4	200	874	3/4	200			
LNAV/VNAV DA	951	1	277	951	1	277	951	1	277	951	1	277			
LNAV MDA	1060	1	386	1060	1	386	1060	1	386	1060	1 1/4	386			
CIRCLING	1120	1	438	1180	1	498	1180	1 1/2	498	1240	2	558			

NOTES:
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C (4F) OR ABOVE 47C (116F).
CHART NOTE: DME/DME RNP-0.3 NA.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.
CHART NOTE: BARO-VNAV AND VDP NA WHEN USING KILLEEN ALTIMETER SETTING.
SEE 8260-10

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY CHECKED

CITY AND STATE	ELEVATION: 682 TDZE: 674	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
TEMPLE, TX	AIRPORT NAME: DRAUGHON-MILLER CENTRAL TEXAS RGNL	RNAV	RNAV (GPS) RWY 33, AMDT 2 23 SEP 2010	AMDT: 1 DATED 09/28/2006

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

NOTES CONT.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE KILLEEN ALTIMETER SETTING AND INCREASE ALL DA 58 FEET AND ALL MDA 60 FEET, INCREASE LPV AND LNAV/VNAV ALL CATS AND LNAV CATS C AND D VISIBILITY 1/4 MILE.

QUALITY CHECKED

CITY AND STATE	ELEVATION: 682 TDZE: 674	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
TEMPLE, TX	AIRPORT NAME: DRAUGHON-MILLER CENTRAL TEXAS RGNL	RNAV	RNAV (GPS) RWY 33, AMDT 2 23 SEP 2010	AMDT: 1 DATED: 09/28/2006

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

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KTPL
RUNWAY	RW33
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W33A
LTP/FTP LATITUDE	310829.8500N
LTP/FTP LONGITUDE	0972419.7100W
LTP/FTP ELLIPSOIDAL HEIGHT	+01768
FPAP LATITUDE	310955.0700N
FPAP LONGITUDE	0972450.7300W
THRESHOLD CROSSING HEIGHT (TCH)	00050.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0616
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	1A348612

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+02039
FPAP ORTHOMETRIC HEIGHT	+02039

QUALITY CHECKED

CITY AND STATE	ELEVATION: 682 TDZE: 674	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
TEMPLE, TX	AIRPORT NAME: DRAUGHON-MILLER CENTRAL TEXAS RGNL	RNAV	RNAV (GPS) RWY 33, AMDT 2 23 SEP 2010	AMDT: 1 DATED: 09/28/2006

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

ARINC PACKET - 424-18 - RNAV (GPS)

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   BARBA K40    C   L N31060409W097112021                    E0043     NAR           BARBA
        SUSAEAENRT   DARTE K40    C   L N30455808W097270660                    E0045     NAR           DARTE
        SUSAEAENRT   ESWUL K40    W     N30580310W097203207                    E0044     NAR           ESWUL
        SUSAEAENRT   FADXY K40    W     N31034875W097223751                    E0045     NAR           FADXY
        SUSAEAENRT   FBURG K40    W     N30563332W097260504                    E0045     NAR           FBURG
        SUSAEAENRT   HUHIF K40    W     N30593265W097145893                    E0044     NAR           HUHIF
        SUSAEAENRT   IHSAZ K40    W     N31201862W097283830                    E0045     NAR           IHSAZ
        SUSAEAENRT   IYUJY K40    W     N31065229W097234422                    E0045     NAR           IYUJY
        SUSAEAENRT   SLIMM K40    R   L N30483587W098131407                    E0049     NAR           SLIMM

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KTPLK4ATPL     0     070YHN31090900W097242800E007000682         1800018000C    MNAR    DRAUGHON-MILLER CENTRAL TEXAS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KTPLK4FR33   ABARBA 010BARBAK4EA0E       IF                                                18000                A JS
        SUSAP KTPLK4FR33   ABARBA 020HUHIFK4EA0E  A 020TF                     19870072    + 03000                                A JS
        SUSAP KTPLK4FR33   ABARBA 030ESWULK4EA0EE B 010TF                     24570050    + 03000                                A JS
        SUSAP KTPLK4FR33   ADARTE 010DARTEK4EA0E       IF                                                18000                A JS
        SUSAP KTPLK4FR33   ADARTE 020FBURGK4EA0E  A 020TF                     35780106    + 03000                                A JS
        SUSAP KTPLK4FR33   ADARTE 030ESWULK4EA0EE B 010TF                     06560050    + 03000                                A JS
        SUSAP KTPLK4FR33   ASLIMM 010SLIMMK4EA0E       IF                                                18000                A JS
        SUSAP KTPLK4FR33   ASLIMM 020FBURGK4EA0E  A 020TF                     07170414    + 03100                                A JS
        SUSAP KTPLK4FR33   ASLIMM 030ESWULK4EA0EE B 010TF                     06560050    + 03000                                A JS
        SUSAP KTPLK4FR33   R      010ESWULK4EA0E  I    IF                                 + 03000     18000                A JS
        SUSAP KTPLK4FR33   R      020FADXYK4EA1E  F 051TF                     33570060    + 02300                 RW33  K4PGA JS
        SUSAP KTPLK4FR33   R      020FADXYK4EA2WALPV       ALNAV/VNAV ALNAV                                                      JS
        SUSAP KTPLK4FR33   R      021IYUJYK4EA0E S  031TF                     33560032    V 0126001263        -300          A JS
        SUSAP KTPLK4FR33   R      030RW33 K4PG0GY M 031TF                     33560017      00719             -300          A JS
        SUSAP KTPLK4FR33   R      040         0  M  010CA                     3356        + 00874                           A JS
        SUSAP KTPLK4FR33   R      050IHSAZK4EA0EY   010DF                                 + 03000                           A JS
        SUSAP KTPLK4FR33   R      060IHSAZK4EA0EE  L020HM                     15560040    + 03000                           A JS
```

CITY AND STATE	ELEVATION: 682 TDZE: 674	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
TEMPLE, TX	AIRPORT NAME: DRAUGHON-MILLER CENTRAL TEXAS RGNL	RNAV	RNAV (GPS) RWY 33, AMDT 2 23 SEP 2010	AMDT: 1 DATED: 09/28/2006

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

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KTPLK4GRW33    0070003356 N31082985W097241971+0200    +0176800669000050150R

                 1         2         3         4         5         6         7         8         9         0         1         2         3
PP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KTPLK4PR33   RW33 001 0000W33A0N3108298500W09724197100+017680300N3109550700W097245073001067506160005 00F4003501A348612
        SUSAP KTPLK4PR33   RW33 002E      +02039+02039LPV       82401

                 1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KTPLK4SRW33 K4PG                0   18018003625                                                                        M
```

CITY AND STATE		FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	
TEMPLE, TX	ELEVATION: 682 TDZE: 674 AIRPORT NAME: DRAUGHON-MILLER CENTRAL TEXAS RGNL	RNAV	RNAV (GPS) RWY 33, AMDT 2 23 SEP 2010	SUP: AMDT: 1 DATED: 09/28/2006

U.S. DEPARTMENT of TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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

(1) TAKEOFF MINIMUMS:

RWY 2, 15, 20, 33 STANDARD.

(2) TEXTUAL DEPARTURE PROCEDURE:

RWY 2 - CLIMB ON HEADING BETWEEN 085 CW TO 200 FROM DEPARTURE END OF RUNWAY OR CLIMB ON HEADING BETWEEN 200 CW TO 345 FROM DEPARTURE END OF RUNWAY TO 3600 BEFORE PROCEEDING ON COURSE OR MINIMUM CLIMB OF 250 FEET PER NM TO 3200 FOR ALL OTHER COURSES.

RWY 33 - CLIMB ON HEADING BETWEEN 070 CW TO 155 FROM DEPARTURE END OF RUNWAY OR CLIMB ON HEADING BETWEEN 155 CW TO 330 FROM DEPARTURE END OF RUNWAY TO 3600 BEFORE PROCEEDING ON COURSE OR MINIMUM CLIMB OF 240 FEET PER NM TO 3200 FOR ALL OTHER COURSES.

(3) TAKEOFF OBSTACLE NOTES:

NOTE: RWY 2, TREE 279' FROM DER, 362' RIGHT OF CENTERLINE, 11' AGL/680' MSL. BUSHES AND TREE BEGINNING 176' FROM DER, 416' LEFT OF CENTERLINE, UP TO 30' AGL/699' MSL.

NOTE: RWY 15, BUSH 60' FROM DER, 210' LEFT OF CENTERLINE, 11' AGL/680' MSL.

NOTE: RWY 20, HANGARS BEGINNING 548' FROM DER, 571' RIGHT OF CENTERLINE, UP TO 18' AGL/697' MSL.

NOTE: RWY 33, TREES BEGINNING 307' FROM DER, 474' RIGHT OF CENTERLINE, UP TO 32' AGL/701' MSL.

(4) CONTROLLING OBSTACLES:

RWY 2: 2541 MSL TOWER 311854.00N/0971937.00W, 2520 MSL TOWER 311919.20N/0971903.30W, 2550 MSL TOWER 311625.00N/0971315.00W, 2535 MSL TOWER 312017.00N/0971837.00W.

RWY 33: 2541 MSL TOWER 311854.00N/0971937.00W, 2520 MSL TOWER 311919.20N/0971903.30W, 2535 MSL TOWER 312017.00N/0971837.00W.

(5) City, State	(6) Airport	(7) Effective Date	(8) Amdt. No.
TEMPLE, TX	DRAUGHON-MILLER CENTRAL TEXAS RGNL	23 SEP 2010	4

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
BARBA INT	TPL VOR/DME	289.00 / 13.77	2600
ACT VORTAC (IAF)	GEREL INT/10.40 DME (NOPT)	202.36 / 19.88	2400
GEREL INT/10.40 DME (IF)	TPL VOR/DME	158.00 / 10.40	1800

MISSED APPROACH

MAP: 3.03 MILES AFTER TPL VOR/DME OR AT 3.03 DME FIX

CLIMB TO 1300 THEN CLIMBING LEFT TURN TO 2300 DIRECT TPL VOR/DME AND HOLD.

ADDITIONAL FLIGHT DATA:

HOLD N, RT, 158.00 INBOUND.
CHART FAS OBST: 769 TREE 311121N/0972556W
CHART 789 TREE 311157N/0972617W.
CHART HOOD MOA.
CHART R-6302A.
CHART R-6302B.
CHART VDP AT 2.19 DME;
DISTANCE VDP TO THLD 0.84 MILES.
TPL VOR/DME TO RW15: 3.35/40.
CHART: MAX 6000 AT TPL VOR/DME.

1. PT L SIDE OF COURSE 338.42 OUTBOUND 2300 FT WITHIN 10 MILES OF TPL VOR/DME (IAF)
2.
3. FAC 158.42 FAF TPL VOR/DME DIST FAF TO MAP 3.03 THLD 3.03
4. MIN. ALT TPL VOR/DME 1800
8. MSA FROM: TPL VOR/DME 355-085 3600, 085-175 2300, 175-355 3100

MAG VAR: 9E EPOCH YEAR:1965

MINIMUMS

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

CATEGORY =====>	A			B			C			D			E		
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA
S-15	1020	1/2	338	1020	1/2	338	1020	1/2	338	1020	1	338			
CIRCLING	1120	1	438	1180	1	498	1180	1 1/2	498	1240	2	558			

NOTES:

CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO S-15 CAT D.
CHART NOTE: FOR INOPERATIVE MALSR WHEN USING KILLEEN ALTIMETER SETTING, INCREASE S-15 CAT D VISIBILITY 1/4 MILE.
CHART PLANVIEW NOTE: RADAR REQUIRED FOR PROCEDURE TURN.
SEE 8260-10

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

CITY AND STATE	ELEVATION: 682 TDZE: 682 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP
TEMPLE, TX	DRAUGHON-MILLER CENTRAL TEXAS RGNL	TPL	VOR RWY 15, AMDT 18 23 SEP 2010	AMDT 17A DATE 02/21/2002

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

NOTES CONT.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE KILLEEN ALTIMETER SETTING AND INCREASE ALL MDA 60 FEET.
CHART NOTE: VDP NA WITH KILLEEN ALTIMETER SETTING.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT ACT VORTAC ON V17 NORTHBOUND.

CITY AND STATE	ELEVATION: 682 TDZE: 682	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
TEMPLE, TX	AIRPORT NAME: DRAUGHON-MILLER CENTRAL TEXAS RGNL	TPL	VOR RWY 15, AMDT 18 23 SEP 2010	AMDT: 17A DATED: 02/21/2002

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
ACT VORTAC	TPL VOR/DME	187.48 / 28.28	3600
BARES INT	TPL VOR/DME	260.00 / 11.33	3600
TPL VOR/DME	TOLUU INT/7.29 DME	157.09 / 7.29	2500
CWK VORTAC (IAF)	FITTS INT/17.36 DME (NOPT)	010.25 / 34.26	2500
FITTS INT/17.36 DME (IF)	TOLUU INT/7.29 DME	337.09 / 10.07 (TPL R-157)	1700

MISSED APPROACH

MAP: 3.11 MILES AFTER TOLUU INT/7.29 DME OR AT 4.18 DME FIX

CLIMB TO 2200 DIRECT TPL VOR/DME AND HOLD.

ADDITIONAL FLIGHT DATA:

HOLD N, RT, 158.00 INBOUND.
CHART FAS OBST: 792 TOWER 310700N/0972338W
CHART R-6302B.
CHART R-6302A.
TOLUU TO RW33: 3.00/40.

1. PT **R** SIDE OF COURSE **157.09** OUTBOUND **2500** FT WITHIN **10** MILES OF **TOLUU** (IAF)
2.
3. FAC **337.09** FAF **TOLUU INT/7.29 DME** DIST FAF TO MAP **3.11** THLD **3.11**
4. MIN. ALT **TOLUU 1700, JIVTU INT/5.78 DME 1200***
8. MSA FROM: **TPL VOR/DME 355-085 3600, 085-175 2300, 175-355 3100**

MAG VAR: **9E** - EPOCH YEAR: **1965**

MINIMUMS

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

CATEGORY =====>	A			B			C			D			E		
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA
S-33	1200	1	526	1200	1	526	1200	1 1/2	526	1200	1 3/4	526			
CIRCLING	1200	1	518	1200	1	518	1200	1 1/2	518	1240	2	558			
JIVTU FIX MINIMUMS (DUAL VOR RECEIVERS OR DME REQUIRED)															
S-33	1060	1	386	1060	1	386	1060	1	386	1060	1 1/4	386			
CIRCLING	1120	1	438	1180	1	498	1180	1 1/2	498	1240	2	558			

NOTES:

CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE KILLEEN ALTIMETER SETTING AND INCREASE ALL MDA 60 FEET, INCREASE JIVTU FIX MINIMUMS S-33 CATS C AND D VISIBILITY 1/4 MILE.
***1260 WHEN USING KILLEEN ALTIMETER SETTING.**

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY CHECKED

CITY AND STATE	ELEVATION: 682 TDZE: 674	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP
TEMPLE, TX	AIRPORT NAME: **DRAUGHON-MILLER CENTRAL TEXAS RGNL**	**TPL**	**VOR RWY 33, AMDT 4** 23 SEP 2010	AMDT **3**
				DATE **02/21/2002**

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

CITY AND STATE	ELEVATION: 682 TDZE: 674	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
TEMPLE, TX	AIRPORT NAME: DRAUGHON-MILLER CENTRAL TEXAS RGNL	TPL	VOR RWY 33, AMDT 4 23 SEP 2010	AMDT: 3 DATED: 02/21/2002

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

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

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE

MISSED APPROACH

ADDITIONAL FLIGHT DATA:

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

MAG VAR: EPOCH YEAR:

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

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

NOTES:

PROCEDURE CANCELED EFFECTIVE 23 SEP 2010

QUALITY 2 CHECKED

CITY AND STATE	ELEVATION: 516 TDZE: 511	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP
WACO, TX	AIRPORT NAME: **WACO REGIONAL**	**GPS**	**GPS RWY 1, ORIG-B, 05/17/2001**	AMDT **ORIG**
				DATE **12/30/99**

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

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

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

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE

MISSED APPROACH

ADDITIONAL FLIGHT DATA:

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

MAG VAR: EPOCH YEAR:

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

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

NOTES:

PROCEDURE CANCELED EFFECTIVE 23 SEP 2010

QUALITY CHECKED

CITY AND STATE	ELEVATION: 516 TDZE: 505	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP
WACO, TX	AIRPORT NAME: **WACO REGIONAL**	**GPS**	**GPS RWY 19, ORIG-B, 05/17/2001**	AMDT **ORIG**
				DATE **12/30/99**

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

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE
FAR PART 97.29

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

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
CQY VORTAC (IAF)	WESLI INT/I-ACT 17.00 DME	242.98 / 50.93	2800
JEN VORTAC (IAF)	WESLI INT/I-ACT 17.00 DME	108.26 / 40.85	2800
WESLI INT/I-ACT 17.00 DME (IF)	COFFI INT/I-ACT 6.05 DME	187.23 / 10.95 (I-ACT)	2100

MISSED APPROACH

ILS: DA
LOC: 4.78 MILES AFTER COFFI INT/I-ACT 6.05 DME OR AT I-ACT 1.27 DME FIX

CLIMB TO 1500 THEN CLIMBING LEFT TURN TO 4000 VIA ACT VORTAC R-164 TO BOSEL INT/ACT VORTAC 14.00 DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 4000, OR AS DIRECTED BY ATC.
ALTERNATE MA: CLIMB TO 1500 THEN CLIMBING LEFT TURN TO 4000 VIA HEADING 171 FOR RADAR VECTORS.

ADDITIONAL FLIGHT DATA:
HOLD S, RT, 344.00 INBOUND.
FAS OBST: 639 AAO 314051N/0971258W
CHART: ASR
CHART VDP AT 2.33 DME*;
DISTANCE VDP TO THLD 1.06 MILES.
*LOC ONLY

1. PT NA SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT WESLI INT/I-ACT 17.00 DME
3. FAC: 187.23 FAF: COFFI INT/I-ACT 6.05 DME DIST FAF TO MAP: 4.78 THLD: 4.78
4. MIN. ALT: WESLI 2800, COFFI 2100
5. DIST TO THLD FROM OM: - MM: - IM: - 150 HAT: - 100 HAT: - GS ANT: 1140
6. MIN GS INCPT: 2100 GS ALT AT: COFFI INT/I-ACT 6.05 DME 2100 OM: - MM: - IM: -
7. GS ANGLE: 3.00 TCH: 54.5
8. MSA FROM: ACT VORTAC 090-270 3600, 270-090 2500

MAG VAR: 7E EPOCH YEAR: 1985

MINIMUMS

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

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
S-ILS 19	**704	2400	200	**704	2400	200	**704	2400	200	**704	2400	200			
S-LOC 19	900	2400	396	900	2400	396	900	2400	396	900	4000	396			
CIRCLING	940	1	424	980	1	464	980	1 1/2	464	1080	2	564			

NOTES:
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED USE MC GREGOR EXECUTIVE ALTIMETER SETTING AND INCREASE ALL DA 31 FEET AND ALL MDA 40 FEET; INCREASE S-LOC 19 CAT C VISIBILITY TO RVR 4000, AND CAT D VISIBILITY TO RVR 5000.
CHART NOTE: ** RVR 1800 AUTHORIZED WITH THE USE OF FD OR AP OR HUD TO DA.
SEE 8260-10

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

QUALITY 2 CHECKED

CITY AND STATE	ELEVATION: 516 TDZE: 504	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
WACO, TX	AIRPORT NAME: WACO RGNL	I-ACT	ILS OR LOC RWY 19, AMDT 16 23 SEP 2010	AMDT: 15C DATED 04/10/2008

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.29

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

NOTES CONT.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON JEN VORTAC AIRWAY RADIAL 128.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON CQY VORTAC AIRWAY RADIAL 234.
CHART NOTE: VDP NA WITH MC GREGOR EXECUTIVE ALTIMETER SETTING.

QUALITY 2 CHECKED

CITY AND STATE	ELEVATION: 516 TDZE: 504	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
WACO, TX	AIRPORT NAME: WACO RGNL	I-ACT	ILS OR LOC RWY 19, AMDT 16 23 SEP 2010	AMDT: 15C DATED: 04/10/2008

U.S. DEPARTMENT OF TRANSPORTATION -- FEDERAL AVIATION ADMINISTRATION
RADAR -- STANDARD INSTRUMENT APPROACH PROCEDURE -- FLIGHT STANDARDS SERVICE -- TITLE 14 CFR PART 97.31

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

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

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

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
		AS ESTABLISHED BY THE CURRENT WACO ASR MINIMUM VECTORING ALTITUDE CHART									

MISSED APPROACH

MAP: **RWY 1, 14, 19, 32 THLD**

RWY 1: CLIMB TO 2000 THEN LEFT TURN DIRECT ACT VORTAC.

RWY 14: CLIMB TO 1300 THEN CLIMBING LEFT TURN TO 2000 DIRECT ACT VORTAC.

RWY 19, 32: CLIMB TO 1300 THEN CLIMBING RIGHT TURN TO 2000 DIRECT ACT VORTAC.

MINIMUMS

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

CATEGORY =====>	A			B			C			D			E		
	DH/ MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
ASR S-1	860	1	351	860	1	351	860	1	351	860	1 1/4	351			
ASR S-14	920	1	407	920	1	407	920	1 1/4	407	920	1 1/4	407			
ASR S-19	880	2400	376	880	2400	376	880	2400	376	880	5000	376			
ASR S-32	1020	1	504	1020	1	504	1020	1 1/2	504	1020	1 1/2	504			
CIRCLING	1020	1	504	1020	1	504	1020	1 1/2	504	1080	2	564			

NOTES:
RWY 1: 15 MILES FROM THRESHOLD, MINIMUM ALTITUDE 2000. FAF 5 MILES FROM THRESHOLD, MINIMUM ALTITUDE 2000; MINIMUM ALTITUDE 2 MILE FIX 1100; FINAL APPROACH COURSE 007.
RWY 14: 15 MILES FROM THRESHOLD, MINIMUM ALTITUDE 2000. FAF 5 MILES FROM THRESHOLD, MINIMUM ALTITUDE 2000; MINIMUM ALTITUDE 2.5 MILE FIX 1240; FINAL APPROACH COURSE 142.
RWY 19: FAF 5 MILES FROM THRESHOLD, MINIMUM ALTITUDE 2000; MINIMUM ALTITUDE 2 MILE FIX 1100; FINAL APPROACH COURSE 187.
RWY 32: 15 MILES FROM THRESHOLD, MINIMUM ALTITUDE 2000. FAF 5 MILES FROM THRESHOLD, MINIMUM ALTITUDE 2000; MINIMUM ALTITUDE 3 MILE FIX 1400; FINAL APPROACH COURSE 322.
RECOMMENDED ALTITUDE (ALL RUNWAYS): 4 MILES 1700; 3 MILES 1400; 2 MILES 1100.
CHART NOTE: FOR INOPERATIVE MALSR INCREASE S-19 CAT D VISIBILITY TO RVR 6000.

LOST COMMUNICATIONS (ALL RWYS): **AS DIRECTED BY ATC ON INITIAL CONTACT.**

ADDITIONAL FLIGHT DATA

TDZE: **509**	RWY: **1**	TDZE: **513**	RWY: **14**
TDZE: **504**	RWY: **19**	TDZE: **516**	RWY: **32**

FAS OBST:
RWY 1 FAS OBST: 609 TREE 313426N/0971526W
RWY 14 FAS OBST: 659 TREE 313813N/0971608W
RWY 19 FAS OBST: 619 TREE 313746N/0971435W
RWY 32 FAS OBST: 759 AAO 313408N/0971043W

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

QUALITY CHECKED 2

CITY AND STATE	ELEVATION: 516 / AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP
WACO, TX	**WACO RGNL**	**ACT ASR**	23 SEP 2010 **RADAR-1 AMDT 4**	AMDT: **3** / DATED: **4/6/95**

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ASR

STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES

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

CHART NOTE: **WHEN CONTROL TOWER CLOSED, ASR NA.**

QUALITY 2 CHECKED

CITY AND STATE	ELEVATION: 516 TDZE: AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
WACO, TX	WACO RGNL	ACT ASR	23 SEP 2010 RADAR-1 AMDT 4	AMDT: 3
				DATED: 4/6/95

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

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

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

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
SATTY	XAFLE (FB)	281.88 / 8.84	3000
XAFLE (IAF)	SHAIL (FB)	277.25 / 5.00	3000
SHAIL (IF)	URNER (FB)	007.20 / 6.34	2000

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW01

CLIMB TO 3000 DIRECT CHRUS AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD N, RT, 187.26 INBOUND.
CHART FAS OBST: 589 TREE 313614N/0971404W
CHART FAS OBST: 599 TREE 313622N/0971413W
CHART: ASR
DISTANCE TO THLD FROM 250 HAT: 0.62 NM.
CHART VDP AT 0.93 MILES TO RW01* *LNAV ONLY.
WAAS CHANNEL # 65919
REFERENCE PATH ID: W01A

1. PT NA SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT SHAIL
3. FAC: 007.22 FAF: URNER DIST FAF TO MAP: 4.46 THLD: 4.46
4. MIN. ALT: SHAIL 3000, URNER 2000, YAYUC/2.00 NM TO RW01 1200*
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 2000 GS ALT AT: URNER 2000 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 54.0 34:1 IS NOT CLEAR
8. MSA FROM: RW01 3600

MAG VAR: 7E EPOCH YEAR: 1985

MINIMUMS

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

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	759	3/4	250	759	3/4	250	759	3/4	250	759	3/4	250			
LNAV/VNAV DA	859	1 1/4	350	859	1 1/4	350	859	1 1/4	350	859	1 1/4	350			
LNAV MDA	860	1	351	860	1	351	860	1	351	860	1 1/4	351			
CIRCLING	940	1	424	980	1	464	980	1 1/2	464	1080	2	564			

NOTES:
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED USE MC GREGOR EXECUTIVE ALTIMETER SETTING SEE 8260-10

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY 2 CHECKED

CITY AND STATE	ELEVATION: 516 TDZE: 509	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
WACO, TX	AIRPORT NAME: WACO RGNL	RNAV	RNAV (GPS) RWY 1, ORIG 23 SEP 2010	AMDT: NONE DATED

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

NOTES CONT.
AND INCREASE ALL DA 31 FEET AND ALL MDA 40 FEET; INCREASE LPV ALL CATS VISIBILITY 1/4 MILE.
CHART NOTE: VDP AND BARO-VNAV NA WITH MC GREGOR EXECUTIVE ALTIMETER SETTING.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT SATTY ON V15 SOUTHEAST BOUND.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C (4F) OR ABOVE 47C (116F).

QUALITY 2 CHECKED

CITY AND STATE	ELEVATION: 516 TDZE: 509	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
WACO, TX	AIRPORT NAME: WACO RGNL	RNAV	RNAV (GPS) RWY 1, ORIG 23 SEP 2010	AMDT: NONE DATED:

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

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KACT
RUNWAY	RW01
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W01A
LTP/FTP LATITUDE	313612.7200N
LTP/FTP LONGITUDE	0971347.8400W
LTP/FTP ELLIPSOIDAL HEIGHT	+01278
FPAP LATITUDE	313739.2700N
FPAP LONGITUDE	0971322.1900W
THRESHOLD CROSSING HEIGHT (TCH)	00054.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0584
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	2477EB21

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+01550
FPAP ORTHOMETRIC HEIGHT	+01550

QUALITY CHECKED 2

CITY AND STATE	ELEVATION: 516 TDZE: 509	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
WACO, TX	AIRPORT NAME: WACO RGNL	RNAV	RNAV (GPS) RWY 1, ORIG 23 SEP 2010	AMDT: NONE
				DATED:

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

ARINC PACKET - 424-18 - RNAV (GPS)

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        --------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   CHRUS K40    W     N31475033W097102073                      E0044     NAR           CHRUS
        SUSAEAENRT   SATTY K40    C   L N31213770W097012791                      E0043     NAR           SATTY
        SUSAEAENRT   SHAIL K40    W     N31254320W097165401                      E0044     NAR           SHAIL
        SUSAEAENRT   URNER K40    W     N31315285W097150478                      E0044     NAR           URNER
        SUSAEAENRT   XAFLE K40    W     N31242932W097111417                      E0044     NAR           XAFLE
        SUSAEAENRT   YAYUC K40    W     N31341615W097142237                      E0044     NAR           YAYUC

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        --------------------------------------------------------------------------------------------------------------------------------
        SUSAP KACTK4AACT     0     071YHN31364390W097134910E007000516         1800018000C    MNAR    WACO RGNL

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        --------------------------------------------------------------------------------------------------------------------------------
        SUSAP KACTK4FR01   ASATTY 010SATTYK4EA0E       IF                                          18000                A JS
        SUSAP KACTK4FR01   ASATTY 020XAFLEK4EA0E  A 020TF                    28190088    + 03000                          A JS
        SUSAP KACTK4FR01   ASATTY 030SHAILK4EA0EE B 010TF                    27730050    + 03000                          A JS
        SUSAP KACTK4FR01   R      010SHAILK4EA0E  I    IF                               + 03000     18000                A JS
        SUSAP KACTK4FR01   R      020URNERK4EA1E  F 051TF                    00720063    + 02000                 RW01  K4PGA JS
        SUSAP KACTK4FR01   R      020URNERK4EA2WALPV       ALNAV/VNAV ALNAV                                                JS
        SUSAP KACTK4FR01   R      021YAYUCK4EA0E S  031TF                    00720025    V 0120001204        -300         A JS
        SUSAP KACTK4FR01   R      030RW01 K4PG0GY M 031TF                    00720020      00563             -300         A JS
        SUSAP KACTK4FR01   R      040         0  M  010CA                    0072        + 00759                          A JS
        SUSAP KACTK4FR01   R      050CHRUSK4EA0EY   010DF                               + 03000                          A JS
        SUSAP KACTK4FR01   R      060CHRUSK4EA0EE  R020HM                    18730040    + 03000                          A JS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        --------------------------------------------------------------------------------------------------------------------------------
        SUSAP KACTK4GRW01    0071070072 N31361272W097134784-0100    +0127800509000054150R

                 1         2         3         4         5         6         7         8         9         0         1         2         3
PP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        --------------------------------------------------------------------------------------------------------------------------------
        SUSAP KACTK4PR01   RW01 001 0000W01A0N3136127200W09713478400+012780300N3137392700W0971322190010675058400054 0F4005002477EB21
```

QUALITY CHECKED

CITY AND STATE	ELEVATION: 516 TDZE: 509	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
WACO, TX	AIRPORT NAME: WACO RGNL	RNAV	RNAV (GPS) RWY 1, ORIG 23 SEP 2010	AMDT: NONE
				DATED:

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

```
        SUSAP KACTK4PR01    RW01 002E       +01550+01550LPV       65919

                 1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KACTK4SRW01 K4PG                0   18018003625                                                                        M
```

QUALITY CHECKED

CITY AND STATE	ELEVATION: 516 TDZE: 509	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
WACO, TX	AIRPORT NAME: WACO RGNL	RNAV	RNAV (GPS) RWY 1, ORIG 23 SEP 2010	AMDT: NONE DATED:

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

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

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

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
CELTC	WESLI (FB)	135.97 / 21.88	3000
IGORR	UTPIZ (FB)	085.16 / 10.18	3000
FEPHY (IAF)	CHRUS (FB)	277.32 / 6.32	3000
WESLI (IAF)	CHRUS (FB)	187.28 / 4.93	3000
UTPIZ (IAF)	CHRUS (FB)	097.21 / 5.00	3000
CHRUS (IF)	COFFI (FB)	187.26 / 6.02	2100

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW19

CLIMB TO 4000 DIRECT YAYUC AND ON TRACK 171.69 TO BOSEL AND HOLD, CONTINUE CLIMB-IN-HOLD TO 4000.

ADDITIONAL FLIGHT DATA:
HOLD S, RT, 344.00 INBOUND.
CHART FAS OBST: 599 TREE 313735N/0971358W
FAS OBST: 649 AAO 314048N/0971310W
CHART: ASR
DISTANCE TO THLD FROM 200 HAT: 0.46 NM.
CHART VDP AT 1.08 MILES TO RW19* *LNAV ONLY.
WAAS CHANNEL # 82119
REFERENCE PATH ID: W19A

1. PT NA SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT CHRUS
3. FAC: 187.24 FAF: COFFI DIST FAF TO MAP: 4.78 THLD: 4.78
4. MIN. ALT: CHRUS 3000, COFFI 2100
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 2100 GS ALT AT: COFFI 2100 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 54.5 34:1 IS CLEAR
8. MSA FROM: RW19 3600

MAG VAR: 7E EPOCH YEAR: 1985

MINIMUMS

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

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	704	2400	200	704	2400	200	704	2400	200	704	2400	200			
LNAV/VNAV DA	869	4000	365	869	4000	365	869	4000	365	869	4000	365			
LNAV MDA	900	2400	396	900	2400	396	900	2400	396	900	5000	396			
CIRCLING	940	1	424	980	1	464	980	1 1/2	464	1080	2	564			

NOTES:
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED USE MC GREGOR EXECUTIVE ALTIMETER SETTING AND INCREASE ALL DA 31 FEET AND ALL MDA 40 FEET; INCREASE LNAV CAT C VISIBILITY TO RVR 4000.
CHART NOTE: FOR INOPERATIVE MALSR, INCREASE LNAV CAT D VISIBILITY TO RVR 6000.
SEE 8260-10

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY CHECKED 2

CITY AND STATE	ELEVATION: 516 TDZE: 504	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
WACO, TX	AIRPORT NAME: WACO RGNL	RNAV	RNAV (GPS) RWY 19, ORIG 23 SEP 2010	AMDT: NONE
				DATED

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

NOTES CONT.
CHART NOTE: VDP AND BARO-VNAV NA WITH MC GREGOR EXECUTIVE ALTIMETER SETTING.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT IGORR ON V17 NORTHWEST BOUND.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT FEPHY ON V15-54 NORTHEAST BOUND.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C (4F) OR ABOVE 47C (116F).

QUALITY CHECKED 2

CITY AND STATE	ELEVATION: 516 TDZE: 504	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
WACO, TX	AIRPORT NAME: WACO RGNL	RNAV	RNAV (GPS) RWY 19, ORIG 23 SEP 2010	AMDT: NONE DATED:

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

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KACT
RUNWAY	RW19
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W19A
LTP/FTP LATITUDE	313720.9000N
LTP/FTP LONGITUDE	0971327.6400W
LTP/FTP ELLIPSOIDAL HEIGHT	+01259
FPAP LATITUDE	313612.7200N
FPAP LONGITUDE	0971347.8400W
THRESHOLD CROSSING HEIGHT (TCH)	00054.5
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0000
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	539096E2

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+01531
FPAP ORTHOMETRIC HEIGHT	+01531

QUALITY CHECKED

CITY AND STATE	ELEVATION: 516 TDZE: 504	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
WACO, TX	AIRPORT NAME: WACO RGNL	RNAV	RNAV (GPS) RWY 19, ORIG 23 SEP 2010	AMDT: NONE DATED:

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

ARINC PACKET - 424-18 - RNAV (GPS)

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   BOSEL K40    C   L N31254883W097140885                      E0044     NAR           BOSEL
        SUSAEAENRT   CELTC K40    C   L N32100914W097242372                      E0045     NAR           CELTC
        SUSAEAENRT   CHRUS K40    W     N31475033W097102073                      E0043     NAR           CHRUS
        SUSAEAENRT   COFFI K40    C     N31415961W097120497                      E0044     NAR           COFFI
        SUSAEAENRT   FEPHY K40    C   L N31461656W097030976                      E0043     NAR           FEPHY
        SUSAEAENRT   IGORR K40    C   L N31492787W097275855                      E0045     NAR           IGORR
        SUSAEAENRT   UTPIZ K40    W     N31490426W097160197                      E0044     NAR           UTPIZ
        SUSAEAENRT   WESLI K40    C     N31523768W097085509                      E0043     NAR           WESLI
        SUSAEAENRT   YAYUC K40    W     N31341615W097142237                      E0044     NAR           YAYUC

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KACTK4AACT     0     071YHN31364390W097134910E007000516      1800018000C    MNAR    WACO RGNL

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KACTK4FR19   ACELTC 010CELTCK4EA0E       IF                                          18000                A JS
        SUSAP KACTK4FR19   ACELTC 020WESLIK4EA0E  A 020TF                    13600219    + 03000                        A JS
        SUSAP KACTK4FR19   ACELTC 030CHRUSK4EA0EE B 010TF                    18730049    + 03000                        A JS
        SUSAP KACTK4FR19   AFEPHY 010FEPHYK4EA0E  A    IF                                          18000                A JS
        SUSAP KACTK4FR19   AFEPHY 020CHRUSK4EA0EE B 010TF                    27730063    + 03000                        A JS
        SUSAP KACTK4FR19   AIGORR 010IGORRK4EA0E       IF                                          18000                A JS
        SUSAP KACTK4FR19   AIGORR 020UTPIZK4EA0E  A 020TF                    08520102    + 03000                        A JS
        SUSAP KACTK4FR19   AIGORR 030CHRUSK4EA0EE B 010TF                    09720050    + 03000                        A JS
        SUSAP KACTK4FR19   R      010CHRUSK4EA0E  I    IF                                + 03000     18000              A JS
        SUSAP KACTK4FR19   R      020COFFIK4EA1E  F 051TF                    18730060    + 02100                RW19  K4PGA JS
        SUSAP KACTK4FR19   R      020COFFIK4EA2WALPV       ALNAV/VNAV ALNAV                                                JS
        SUSAP KACTK4FR19   R      030RW19 K4PGOGY M 031TF                    18720048      00557            -300          A JS
        SUSAP KACTK4FR19   R      040         0  M  010CA                    1872        + 00704                        A JS
        SUSAP KACTK4FR19   R      050YAYUCK4EA0E    010DF                                                                A JS
        SUSAP KACTK4FR19   R      060BOSELK4EA0EY   010TF                    1717        + 04000                        A JS
        SUSAP KACTK4FR19   R      070BOSELK4EA0EE  R020HM                    34400040    + 04000                        A JS
```

QUALITY CHECKED A

CITY AND STATE	ELEVATION: 516 TDZE: 504	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
WACO, TX	AIRPORT NAME: WACO RGNL	RNAV	RNAV (GPS) RWY 19, ORIG 23 SEP 2010	AMDT: NONE DATED:

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

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KACTK4GRW19    0071071872 N31372090W097132764+0100    +0125900502000055150I
```

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
PP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KACTK4PR19   RW19 001 0000W19A0N3137209000W09713276400+012590300N3136127200W0971347840010675000000545F400350539096E2
        SUSAP KACTK4PR19   RW19 002E      +01531+01531LPV       82119
```

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KACTK4SRW19 K4PG               0   18018003625                                                                          M
```

QUALITY CHECKED

CITY AND STATE	ELEVATION: 516 TDZE: 504	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
WACO, TX	AIRPORT NAME: WACO RGNL	RNAV	RNAV (GPS) RWY 19, ORIG 23 SEP 2010	AMDT: NONE DATED:

U.S. DEPARTMENT of TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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

(1) TAKEOFF MINIMUMS:

RWY 1, 14, 19, 32 - STANDARD.

(2) TEXTUAL DEPARTURE PROCEDURE:

(3) TAKEOFF OBSTACLE NOTES:

NOTE: RWY 1, RISING TERRAIN BEGINNING 11' FROM DER, 34' RIGHT OF CENTERLINE, UP TO 504' MSL. POLE 1170' FROM DER, 593' LEFT OF CENTERLINE, 34' AGL/534' MSL. TREE 1674' FROM DER, 794' RIGHT OF CENTERLINE, 80' AGL/581' MSL.
NOTE: RWY 19, ROD 590' FROM DER, 257' RIGHT OF CENTERLINE, 40' AGL/524' MSL.
NOTE: RWY 32, TREES BEGINNING 501' FROM DER, 17' LEFT OF CENTERLINE, UP TO 70' AGL/562' MSL. TREES BEGINNING 836' FROM DER, 30' RIGHT OF CENTERLINE, UP TO 80' AGL/609' MSL.

(4) CONTROLLING OBSTACLES:

QUALITY 2 ORIG

(5) City, State	(6) Airport	(7) Effective Date	(8) Amdt. No.
WACO, TX	WACO RGNL	23 SEP 2010	ORIG

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
MRB VORTAC (IAF)	STILL INT/I-JYO 12.28 DME	133.97 / 12.28	3000
STILL INT/I-JYO 12.28 DME (IF)	DANMO INT/I-JYO 6.27 DME	171.29 / 6.01 (I-JYO)	2300

MISSED APPROACH

MAP: 5.19 MILES AFTER DANMO INT/JYO 6.27 DME OR AT I-JYO 1.08 DME FIX

CLIMB TO 1200 THEN CLIMBING RIGHT TURN TO 4000 VIA HEADING 340.00 AND MRB VORTAC R-158 TO GAWDD INT AND HOLD, CONTINUE CLIMB-IN-HOLD TO 4000; OR AS DIRECTED BY ATC, ALTERNATE MA: CLIMB TO 1200 THEN CLIMBING RIGHT TURN TO 4000 HEADING 293.00 AND CSN VORTAC R-015 TO GAWDD INT AND HOLD S, RT, 015.38 INBOUND.

ADDITIONAL FLIGHT DATA:

HOLD N, RT, 157.56 INBOUND.
CHART: ALTERNATE MA HOLDING, HOLD S GAWDD INT, RT, 015.38 INBOUND.
CHART FAS OBST: 569 TREE 390710N/0773501W
CHART 759 TREE 390743N/0773503W.
CHART WASHINGTON DC METROPOLITAN ADIZ.
DANMO TO RW17: 3.41/45.

1. PT NA SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT STILL
3. FAC 171.29 FAF DANMO INT/I-JYO 6.27 DME DIST FAF TO MAP 5.19 THLD 5.19
4. MIN. ALT STILL 3000, DANMO 2300, PEARC/I-JYO 3.40 DME 1240*
8. MSA FROM: AML VORTAC 360-180 2500, 180-360 3400

MAG VAR: 10W EPOCH YEAR: 1995

MINIMUMS

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

CATEGORY =====>	A			B			C			D			E		
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA
S-17	1240	1	857	1240	1 1/4	857	1240	2 1/2	857	1240	2 3/4	857			
CIRCLING	1240	1	851	1240	1 1/4	851	1240	2 1/2	851	1240	2 3/4	851			
PEARC FIX MINIMUMS															
S-17	820	1	437	820	1	437	820	1 1/4	437	820	1 1/2	437			
CIRCLING	840	1	451	840	1	451	860	1 1/2	471	1040	2	651			

NOTES:

CHART NOTE: WHEN VGSI INOP, STRAIGHT-IN/CIRCLING RWY 17 PROCEDURE NA AT NIGHT.
CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY.
CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT.
SEE 8260-10

@ CAT A, B 900-2, CAT C 900-2 1/2, CAT D 900-2 3/4

QUALITY 2 CHECKED

CITY AND STATE	ELEVATION: 389 TDZE: 383	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP
LEESBURG, VA	AIRPORT NAME: LEESBURG EXECUTIVE	I-JYO	LOC RWY 17, AMDT 3 23 SEP 2010	AMDT 2B
				DATE 04/10/2008

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

NOTES CONT.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE WASHINGTON DULLES INTL ALTIMETER SETTING AND INCREASE ALL MDA 40 FEET AND INCREASE S-17 AND CIRCLING CAT A, C AND D VISIBILITIES 1/4 MILE AND INCREASE PEARC FIX MINIMUMS CIRCLING CAT D VISIBILITY 1/4 MILE.
CHART PLANVIEW NOTE: WASHINGTON DC ADIZ CTC POTOMAC APP CON.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON MRB VORTAC AIRWAY RADIALS 088 CW 137.
*1280 WHEN USING WASHINGTON DULLES INTL ALTIMETER SETTING.

CITY AND STATE	ELEVATION: 389 TDZE: 383	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
LEESBURG, VA	AIRPORT NAME: LEESBURG EXECUTIVE	I-JYO	LOC RWY 17, AMDT 3 23 SEP 2010	AMDT: 2B DATED: 04/10/2008

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

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

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

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
HOAGE	GAWDD (FB)	078.38 / 17.43	4000
RAYEE	BICAG (FB)	337.80 / 15.53	3400
GAWDD (IAF)	CACAS (NOPT) (FB)	081.18 / 5.00	2800
MRB VORTAC (IAF)	CACAS (NOPT) (FB)	136.98 / 12.29	2800
BICAG (IAF)	CACAS (NOPT) (FB)	261.30 / 5.00	2800
CACAS (IF/IAF)	JOTUP (FB)	171.24 / 2.63	2500
JOTUP	DANMO (FB)	171.25 / 3.38	2100

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW17

CLIMB TO 4000 DIRECT CAULK AND RIGHT TURN ON TRACK 261.29 TO DROBB AND RIGHT TURN ON TRACK 005.22 TO GAWDD AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD W, RT, 081.18 INBOUND.
CHART FAS OBST: 591 TOWER 390639N/0773500W
CHART FAS OBST: 539 TREE 390544N/0773300W
CHART 779 TREE 390746N/0773506W
CHART WASHINGTON DC METROPOLITAN ADIZ.
DISTANCE TO THLD FROM 250 HAT: 0.66 NM.
WAAS CHANNEL # 60902
REFERENCE PATH ID: W17A

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD N CACAS, RT, 171.24 INBOUND, 2800 FT. IN LIEU OF PT (IAF)
3. FAC: 171.27 FAF: DANMO DIST FAF TO MAP: 5.19 THLD: 5.19
4. MIN. ALT: CACAS 2800, JOTUP 2500, DANMO 2100, CEYAC/2.70 NM TO RW17 1280*
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 2100 GS ALT AT: DANMO 2100 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 44.8 34:1 IS NOT CLEAR
8. MSA FROM: RW17 3600

MAG VAR: 10W EPOCH YEAR: 1995

MINIMUMS

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

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	633	1	250	633	1	250	633	1	250	633	1	250			
LNAV/VNAV DA	798	1 1/2	415	798	1 1/2	415	798	1 1/2	415	798	1 1/2	415			
LNAV MDA	860	1	477	860	1	477	860	1 1/4	477	860	1 1/2	477			
CIRCLING	860	1	471	860	1	471	860	1 1/2	471	1040	2	651			

NOTES:
CHART NOTE: WHEN VGSI INOP, STRAIGHT-IN/CIRCLING RWY 17 PROCEDURE NA AT NIGHT.
CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 48C (118F).
CHART NOTE: DME/DME RNP-0.3 NA.
SEE 8260-10

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY CHECKED

CITY AND STATE	ELEVATION: 389 TDZE: 383	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
LEESBURG, VA	AIRPORT NAME: LEESBURG EXECUTIVE	RNAV	RNAV (GPS) RWY 17, AMDT 2 23 SEP 2010	AMDT: 1A DATED 04/10/2008

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

NOTES CONT.
CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.
*LNAV ONLY
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE WASHINGTON DULLES INTL ALTIMETER SETTING AND INCREASE ALL DA 32 FEET AND ALL MDA 40 FEET; INCREASE LNAV CAT C AND D AND CIRCLING CAT D VISIBILITY 1/4 MILE.
CHART PLANVIEW NOTE: WASHINGTON DC ADIZ CTC POTOMAC APP CON
CHART NOTE: BARO-VNAV NA WITH WASHINGTON DULLES INTL ALTIMETER SETTING.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL AT MRB VORTAC ON AIRWAY RADIALS 088 CW 101.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT HOAGE ON V4-92 NORTHWEST BOUND.

CITY AND STATE	ELEVATION: 389 TDZE: 383	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
LEESBURG, VA	AIRPORT NAME: LEESBURG EXECUTIVE	RNAV	RNAV (GPS) RWY 17, AMDT 2 23 SEP 2010	AMDT: 1A DATED: 04/10/2008

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

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KJYO
RUNWAY	RW17
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W17A
LTP/FTP LATITUDE	390506.4300N
LTP/FTP LONGITUDE	0773338.1800W
LTP/FTP ELLIPSOIDAL HEIGHT	+00826
FPAP LATITUDE	390414.7100N
FPAP LONGITUDE	0773315.7100W
THRESHOLD CROSSING HEIGHT (TCH)	00044.8
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	104.25
LENGTH OFFSET	0008
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	E011A3E7

ADDITIONAL PATH POINT RECORD INFORMATION

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

CITY AND STATE	ELEVATION: 389 TDZE: 383	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
LEESBURG, VA	AIRPORT NAME: LEESBURG EXECUTIVE	RNAV	RNAV (GPS) RWY 17, AMDT 2 23 SEP 2010	AMDT: 1A DATED: 04/10/2008

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

ARINC PACKET - 424-18 - RNAV (GPS)

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAD        MRB   K6011210VTL  N39230806W077505408    N39230806W077505408W0070006001     NARMARTINSBURG

                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   BICAG K60    W     N39171982W077320985                    W0106     NAR           BICAG
        SUSAEAENRT   CACAS K60    W     N39154341W077381572                    W0105     NAR           CACAS
        SUSAEAENRT   CAULK K60    W     N39005616W077314941                    W0105     NAR           CAULK
        SUSAEAENRT   CEYAC K60    W     N39074001W077344496                    W0105     NAR           CEYAC
        SUSAEAENRT   DANMO K60    C     N39100180W077354669                    W0105     NAR           DANMO
        SUSAEAENRT   DROBB K60    W     N38580420W077423791                    W0104     NAR           DROBB
        SUSAEAENRT   GAWDD K60    C     N39140668W077442131                    W0104     NAR           GAWDD
        SUSAEAENRT   HOAGE K60    C   L N39074296W078051241                    W0101     NAR           HOAGE
        SUSAEAENRT   JOTUP K60    W     N39131385W077371042                    W0105     NAR           JOTUP
        SUSAEAENRT   RAYEE K60    R   L N39041088W077213014                    W0106     NAR           RAYEE

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KJYOK6AJYO     0     054YHN39044070W077332700W010000389         1800018000C    MNAR    LEESBURG EXECUTIVE

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KJYOK6FR17   ACACAS 010CACASK6EA0EE AR   HF                    17120040    + 02800     18000                A JS
        SUSAP KJYOK6FR17   AHOAGE 010HOAGEK6EA0E       IF                                            18000                A JS
        SUSAP KJYOK6FR17   AHOAGE 020GAWDDK6EA0E  A 020TF                     07840174    + 04000                          A JS
        SUSAP KJYOK6FR17   AHOAGE 030CACASK6EA0EE B 010TF                     08120050    + 02800                          A JS
        SUSAP KJYOK6FR17   AMRB   010MRB  K6D 0V  A    IF                                            18000                A JS
        SUSAP KJYOK6FR17   AMRB   020CACASK6EA0EE B 010TF                     13700123    + 02800                          A JS
        SUSAP KJYOK6FR17   ARAYEE 010RAYEEK6EA0E       IF                                            18000                A JS
        SUSAP KJYOK6FR17   ARAYEE 020BICAGK6EA0E  A 020TF                     33780155    + 03400                          A JS
        SUSAP KJYOK6FR17   ARAYEE 030CACASK6EA0EE B 010TF                     26130050    + 02800                          A JS
        SUSAP KJYOK6FR17   R      010CACASK6EA0E  I    IF                                 + 02800     18000                A JS
        SUSAP KJYOK6FR17   R      011JOTUPK6EA0E S  051TF                     17120026    + 02500                          A JS
        SUSAP KJYOK6FR17   R      020DANMOK6EA1E  F 051TF                     17130034    + 02100                RW17  K6PGA JS
```

CITY AND STATE	ELEVATION: 389 TDZE: 383	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
LEESBURG, VA	AIRPORT NAME: LEESBURG EXECUTIVE	RNAV	RNAV (GPS) RWY 17, AMDT 2 23 SEP 2010	AMDT: 1A DATED: 04/10/2008

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

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KJYOK6FR17   R      020DANMOK6EA2WALPV       ALNAV/VNAV ALNAV                                                    JS
        SUSAP KJYOK6FR17   R      021CEYACK6EA0E S  031TF                     17130025    V 0128001289        -300          A JS
        SUSAP KJYOK6FR17   R      030RW17 K6PG0GY M 031TF                     17130027      00422             -300          A JS
        SUSAP KJYOK6FR17   R      040         0  M  010CA                     1713        + 00633                         A JS
        SUSAP KJYOK6FR17   R      050CAULKK6EA0E    010DF                                                                   A JS
        SUSAP KJYOK6FR17   R      060DROBBK6EA0E   R010TFY                    2613                                          A JS
        SUSAP KJYOK6FR17   R      070GAWDDK6EA0EY  R010TFY                    0052        + 04000                         A JS
        SUSAP KJYOK6FR17   R      080GAWDDK6EA0EE  R020HM                     08120040    + 04000                         A JS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KJYOK6GRW17    0054991713 N39050643W077333818+0200     +0082600378000045100I

                 1         2         3         4         5         6         7         8         9         0         1         2         3
PP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KJYOK6PR17   RW17 001 0000W17A0N3905064300W07733381800+008260300N3904147100W077331571001042500080004 48F400500E011A3E7
        SUSAP KJYOK6PR17   RW17 002E      +01151+01151LPV       60902

                 1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KJYOK6SRW17 K6PG                0   18018003625                                                                   M
```

CITY AND STATE		FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
LEESBURG, VA	ELEVATION: 389 TDZE: 383 AIRPORT NAME: LEESBURG EXECUTIVE	RNAV	RNAV (GPS) RWY 17, AMDT 2 23 SEP 2010	AMDT: 1A DATED: 04/10/2008

U.S. DEPARTMENT of TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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

(1) TAKEOFF MINIMUMS:

RWY 17, 35 STANDARD

(2) TEXTUAL DEPARTURE PROCEDURE:

RWY 35- CLIMB HEADING 351.29 TO 1200 BEFORE PROCEEDING ON COURSE.

(3) TAKEOFF OBSTACLE NOTES:

NOTE: RWY 17, VEHICLE ON ROADWAY, 320' FROM DER, 565' LEFT OF CENTERLINE, UP TO 15' AGL/414' MSL. BUILDING 167' FROM DER, 360' LEFT OF CENTERLINE, 22' AGL/401' MSL. POLE 958' FROM DER, 373' LEFT OF CENTERLINE, 32' AGL/421' MSL. TREES BEGINNING 138' FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 100' AGL/464' MSL.

NOTE: RWY 35 TERRAIN 96' FROM DER, 453' LEFT OF CENTERLINE, 381' MSL. TREE 1078' FROM DER, 525' LEFT OF CENTERLINE, UP TO 100' AGL/413' MSL. POLE 638' FROM DER, 642' RIGHT OF CENTERLINE, 49' AGL/428' MSL.

(4) CONTROLLING OBSTACLES:

RWY 35: 976 MSL AAO 390830.64N-0773619.25W

QUALITY CHECKED

(5) City, State	(6) Airport	(7) Effective Date	(8) Amdt. No.
LEESBURG, VA	LEESBURG EXECUTIVE	23 SEP 2010	2

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

ADDITIONAL FLIGHT DATA:

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

MAG VAR: EPOCH YEAR:

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

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

NOTES:

PROCEDURE CANCELED EFFECTIVE 23 SEP 2010

QUALITY 2 CHECKED

CITY AND STATE	ELEVATION: 389 TDZE: AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP
LEESBURG, VA	**LEESBURG EXECUTIVE**	**AML**	**VOR OR GPS-A, AMDT 1B, 04/10/2008**	AMDT **1A**
				DATE **03/15/2007**

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

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.29

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

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
GEG VORTAC	LUCEV/I-GEG 13.08 DME	025.31 / 17.04	5500
LUCEV/I-GEG 13.08 DME (IF/IAF)	SIGYO/I-GEG 6.70 DME	209.51 / 6.38 (I-GEG)	3900

MISSED APPROACH

ILS: DA
LOC: I-GEG 1.98 DME FIX

CLIMB TO 4200 ON GEG VORTAC R-027 TO GEG VORTAC AND HOLD, OR AS DIRECTED BY ATC.

ALTERNATE MA: CLIMB TO 2800 THEN CLIMBING RIGHT TURN TO 6500 ON HEADING 046.00 TO INTERCEPT COE VOR/DME R-245 TO COE VOR/DME AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD SW, RT, 028.00 INBOUND.
CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD SW COE VOR/DME, LT, 051.00 INBOUND.
CHART FAS OBST: 2398 TREE 473821N/1173012W
CHART IN PLANVIEW: COE VOR/DME.
CHART PLANVIEW NOTE: DME REQUIRED
CHART: AIRPORT ELEV 2385

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD NE LUCEV, LT, 209.51 INBOUND, 5500 FT. IN LIEU OF PT (IAF)
3. FAC: 209.51 FAF: SIGYO/I-GEG 6.70 DME DIST FAF TO MAP: ____ THLD: 4.72
4. MIN. ALT: LUCEV 5500, SIGYO 3900
5. DIST TO THLD FROM OM: - MM: - IM: - 150 HAT: - 100 HAT: 947 GS ANT: 939
6. MIN GS INCPT: 3900 GS ALT AT: SIGYO/I-GEG 6.70 DME 3900 OM: - MM: - IM: -
7. GS ANGLE: 3.00 TCH: 58.8
8. MSA FROM: GEG VORTAC 360-090 7100, 090-180 5300, 180-270 4300, 270-360 5300

MAG VAR: 16E EPOCH YEAR: 2010

MINIMUMS

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

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
S-ILS 21	2546	1800	200	2546	1800	200	2546	1800	200	2546	1800	200			
S-LOC 21	2680	2400	334	2680	2400	334	2680	2400	334	2680	4000	334			
CIRCLING	2960	1	575	2960	1	575	2960	1 1/2	575	2980	2	595			

NOTES:
CATEGORY II ILS SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED S-ILS 21: CAT A, B, C, D, RA 147, RVR 1200, HAT 100, DA 2446 MSL.
CATEGORY III ILS SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED. S-ILS-21: CAT IIIa CAT A,B,C,D, RVR 700. CAT IIIb CAT A,B,C,D, RVR 600. CAT IIIc NA.
(SEE FORM 8260-10)

CITY AND STATE	ELEVATION: 2385 TDZE: 2346	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
SPOKANE, WA	AIRPORT NAME: SPOKANE INTL	I-GEG	ILS OR LOC/DME RWY 21, AMDT 22 ILS RWY 21 (CAT II), ILS RWY 21 (CAT III) 23 SEP 2010	AMDT: 21A DATED 03/12/2009

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

NOTES, (CONT.):
CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT.
CHART PROFILE NOTE: USE I-GEG DME WHEN ON LOCALIZER COURSE.
CAT I CAT II CHART PLANVIEW NOTE: AUTOLAND NA WHEN WEATHER BELOW 300/1 EXCEPT FOR OPERATORS AUTHORIZED CAT III ILS AUTOLAND.
CAT III CHART NOTE: SPECIAL AUTOLAND EVALUATION REQUIRED.
CHART NOTE: FOR INOPERATIVE ALSF, INCREASE S-LOC 21 CAT D VISIBILITY TO RVR 5000.
CAT II RVR 1000 CHART NOTE: RVR 1000 AUTHORIZED WITH SPECIFIC OPSPEC, MSPEC, OR LOA APPROVAL AND USE OF AUTOLAND OR HUD TO TOUCHDOWN.

CITY AND STATE	ELEVATION: 2385 TDZE: 2346	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
SPOKANE, WA	AIRPORT NAME: SPOKANE INTL	I-GEG	ILS OR LOC/DME RWY 21, AMDT 22 ILS RWY 21 (CAT II) , ILS RWY 21 (CAT III) 23 SEP 2010	AMDT: 21A DATED: 03/12/2009

U.S. DEPARTMENT of TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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

(1) TAKEOFF MINIMUMS:

RWY 3, 7, 21, 25 STANDARD

(2) TEXTUAL DEPARTURE PROCEDURE:

RWY 3 - CLIMBING LEFT TURN HEADING 190.00 AND GEG R-010 TO GEG VORTAC. THENCE...
RWY 7 - CLIMBING RIGHT TURN HEADING 255 .00 AND GEG R-075 TO GEG VORTAC. THENCE...
RWY 21 - CLIMBING RIGHT TURN HEADING 208.00 AND GEG R-028 TO GEG VORTAC. THENCE...
RWY 25 - CLIMBING LEFT TURN HEADING 176.00 AND GEG R-356 TO GEG VORTAC. THENCE...

...CLIMB IN GEG VORTAC HOLDING PATTERN (HOLD SW, RIGHT TURNS, 028.00 INBOUND) TO CROSS GEG VORTAC AT OR ABOVE MEA FOR ROUTE OF FLIGHT.

(3) TAKEOFF OBSTACLE NOTES:

NOTE: RWY 3, MULTIPLE TREES BEGINNING 1089' FROM DER, 666' LEFT OF CENTERLINE, UP TO 100' AGL/2370' MSL. TREE 1524' FROM DER, 851' RIGHT OF CENTERLINE, 100' AGL/2374' MSL.

(4) CONTROLLING OBSTACLES:

OBSTACLES MANDATING ODP ROUTE DEVELOPMENT: RWY 7 - 4548 FT MSL TOWER 473541.00N/1171757.00W

QUALITY CHECKED

(5) City, State	(6) Airport	(7) Effective Date	(8) Amdt. No.
SPOKANE, WA	SPOKANE INTL	23 SEP 2010	6

[4910-13]

DEPARTMENT OF TRANSPORTATION

14 CFR Part 97

[Docket No. 30739 ; Amdt. No. 3387]

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

AGENCY: Federal Aviation Administration (FAA), DOT.

ACTION: Final Rule.

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

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

The incorporation by reference of certain publications listed in the regulations is approved by the Director of the Federal Register as of [INSERT DATE OF PUBLICATION IN THE FEDERAL REGISTER].

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

For Examination –

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

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

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

4. The National Archives and Records Administration (NARA). For information on the availability of this material at NARA, call 202-741-6030, or go to: http://www.archives.gov/federal_register/code_of_federal_regulations/ibr_locations.html.

Availability – All SIAPs are available online free of charge. Visit nfdc.faa.gov to register. Additionally, individual SIAP and Takeoff Minimums and ODP copies may be obtained from:

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

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

FOR FURTHER INFORMATION CONTACT: Harry J. Hodges, Flight Procedure Standards Branch (AFS-420)Flight Technologies and Programs Division, Flight Standards Service, Federal Aviation Administration, Mike Monroney Aeronautical Center, 6500 South MacArthur Blvd., Oklahoma City, OK. 73169 (Mail Address: P.O. Box 25082 Oklahoma City, OK. 73125) telephone: (405) 954-4164.

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

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

THE RULE

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

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

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

CONCLUSION

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

List of Subjects in 14 CFR part 97:

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

Issued in Washington, DC on August 6, 2010

John M. Allen

John M. Allen
Director, Flight Standards Service

ADOPTION OF THE AMENDMENT

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

Part 97 – Standard Instrument Approach Procedures

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

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

2. Part 97 is amended to read as follows:

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

AIRAC DATE	STATE	CITY	AIRPORT	FDC NUMBER	FDC DATE	SUBJECT
23-Sep-10	OK	SAND SPRINGS	WILLIAM R POGUE MUNI	0/0508	7/15/10	NDB RWY 35, AMDT 2E
23-Sep-10	OK	SAND SPRINGS	WILLIAM R POGUE MUNI	0/1461	7/15/10	VOR/DME A, AMDT 3
23-Sep-10	AL	CLANTON	CHILTON COUNTY	0/1946	5/27/10	TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES ORIG
23-Sep-10	NH	LEBANON	LEBANON MUNI	0/2536	7/19/10	VOR/DME RWY 7, AMDT 1
23-Sep-10	NH	LEBANON	LEBANON MUNI	0/2537	7/19/10	ILS OR LOC RWY 18, AMDT 5A
23-Sep-10	NH	BERLIN	BERLIN RGNL	0/2958	7/21/10	VOR B, AMDT 2A
23-Sep-10	VT	HIGHGATE	FRANKLIN COUNTY STATE	0/2999	7/21/10	VOR/DME RWY 19, AMDT 4
23-Sep-10	VT	HIGHGATE	FRANKLIN COUNTY STATE	0/3000	7/21/10	RNAV (GPS) RWY 19, ORIG
23-Sep-10	VT	HIGHGATE	FRANKLIN COUNTY STATE	0/3001	7/21/10	RNAV (GPS) RWY 1, AMDT 2
23-Sep-10	NC	RALEIGH/ DURHAM	RALEIGH-DURHAM INTL	0/4050	8/4/10	ILS OR LOC RWY 23R, AMDT 11; ILS RWY 23R (CAT II), AMDT 11; ILS RWY 23R (CAT III), AMDT 11
23-Sep-10	CA	HANFORD	HANFORD MUNI	0/4457	7/29/10	RNAV (GPS) RWY 32, AMDT 1
23-Sep-10	MA	BOSTON	GEN EDWARD LAWRENCE LOGAN INTL	0/5074	7/15/10	RNAV (GPS) RWY 27, ORIG-A
23-Sep-10	MA	BOSTON	GEN EDWARD LAWRENCE LOGAN INTL	0/5075	7/15/10	RNAV (GPS) RWY 32, ORIG-A
23-Sep-10	MA	BOSTON	GEN EDWARD LAWRENCE LOGAN INTL	0/5076	7/15/10	RNAV (GPS) RWY 22L, ORIG
23-Sep-10	MA	BOSTON	GEN EDWARD LAWRENCE LOGAN INTL	0/5081	7/15/10	RNAV (GPS) RWY 33L, ORIG-B
23-Sep-10	MA	BOSTON	GEN EDWARD LAWRENCE LOGAN INTL	0/5082	7/15/10	RNAV (GPS) RWY 15R, ORIG-B
23-Sep-10	ME	PITTSFIELD	PITTSFIELD MUNI	0/5401	7/7/10	NDB RWY 36, AMDT 4

23-Sep-10	AK	GALENA	EDWARD G. PITKA, SR	0/5799	7/15/10	VOR/DME RWY 25, AMDT 10
23-Sep-10	CQ	SAIPAN	SAIPAN/FRANCISCO C. ADA/SAIPAN INTL	0/5800	6/10/10	GPS RWY 25, AMDT 1B
23-Sep-10	AK	GALENA	EDWARD G. PITKA, SR	0/5801	7/15/10	VOR/DME RWY 7, AMDT 7
23-Sep-10	AK	NOME	NOME	0/6640	6/22/10	RNAV (GPS) RWY 3, ORIG
23-Sep-10	AK	NOME	NOME	0/6641	6/22/10	RNAV (GPS) RWY 10, ORIG
23-Sep-10	AK	NOME	NOME	0/6642	6/22/10	NDB/DME RWY 3, AMDT 2
23-Sep-10	AK	NOME	NOME	0/6643	6/22/10	NDB A, ORIG
23-Sep-10	AK	NOME	NOME	0/6644	6/22/10	VOR RWY 28, AMDT 2
23-Sep-10	AK	NOME	NOME	0/6645	6/22/10	VOR/DME RWY 10, AMDT 2
23-Sep-10	AK	CLARKS POINT	CLARKS POINT	0/6649	7/15/10	RNAV (GPS) RWY 18, ORIG
23-Sep-10	AK	CLARKS POINT	CLARKS POINT	0/6652	7/15/10	RNAV (GPS) RWY 36, ORIG
23-Sep-10	AK	QUINHAGAK	QUINHAGAK	0/7691	7/15/10	RNAV (GPS) RWY 12, ORIG
23-Sep-10	AK	QUINHAGAK	QUINHAGAK	0/7692	7/15/10	RNAV (GPS) RWY 30, ORIG
23-Sep-10	MA	BOSTON	GEN EDWARD LAWRENCE LOGAN INTL	0/8349	7/15/10	ILS OR LOC RWY 4R, AMDT 9B
23-Sep-10	MA	BOSTON	GEN EDWARD LAWRENCE LOGAN INTL	0/8350	7/15/10	ILS OR LOC RWY 33L, AMDT 3

AIRAC Date: 23 SEP 2010

FDC 0/0508 OWP FI/P WILLIAM R. POGUE MUNI, SAND SPRINGS, OK. NDB RWY 35, AMDT 2E... TERMINAL ROUTE HOMIN TO WILLIAM POGUE (OWP) NDB MINIMUM ALTITUDE 3300. TERMINAL ROUTE SAPPA TO WILLIAM POGUE (OWP) NDB MINIMUM ALTITUDE 3300. TERMINAL ROUTE TULSA (TUL) TO WILLIAM POGUE (OWP) NDB MINIMUM ALTITUDE 3300. ALTITUDE PRIOR TO OWP NDB IN PROFILE 3300. MSA FROM: OWP NDB 25NM, 3600. THIS IS NDB RWY 35, AMDT 2F.

FDC 0/1461 OWP FI/P WILLIAM R. POGUE MUNI, SAND SPRINGS, OK. VOR/DME A, AMDT 3... MSA FROM GNP VOR/DME 030-300 3600, 300-030 3300. THIS IS VOR/DME A, AMDT 3A.

FDC 0/1946 02A FI/P CHILTON COUNTY, CLANTON, AL. TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES ORIG...DEPARTURE PROCEDURE: RWY 8, CLIMB HEADING 077.37 TO 1000 BEFORE TURNING ON COURSE. RWY 26, CLIMB HEADING 257.37 TO 1100 BEFORE TURNING ON COURSE. NOTE: RWY 26, TANK 4836 FEET FROM DEPARTURE END OF RUNWAY, 1144 LEFT OF CENTERLINE, 90 FEET AGL/710 FEET MSL. CHANGE ALL REFERENCE TO GRAGG-WADE FIELD TO CHILTON COUNTY. ALL OTHER DATA REMAINS AS PUBLISHED. THIS IS TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES, ORIG-A.

FDC 0/2536 LEB FI/P LEBANON MUNI, LEBANON, NH. VOR/DME RWY 7, AMDT 1...CIRCLING MDA 1640/HAA 1037 CAT A. ALTERNATE MINIMUMS: CAT A 1100-2, CAT B 1200-2, CAT C/D 1300-3. THIS IS VOR/DME RWY 7, AMDT 1A.

FDC 0/2537 LEB FI/P LEBANON MUNI, LEBANON, NH. ILS OR LOC RWY 18, AMDT 5A...CIRCLING MDA 1640/HAA 1037 CAT A. FRYYS INT MINIMUMS: CIRCLING MDA 1640/HAA 1037 CAT A. ALTERNATE MINIMUMS: ILS AND LOC: CAT A 1100-2, CAT B 1200-2, CAT C/D 1300-2; NA WHEN CONTROL TOWER CLOSED. THIS IS ILS OR LOC RWY 18, AMDT 5B.

FDC 0/2958 BML FI/P BERLIN RGNL, BERLIN, NH. VOR B, AMDT 2A...CIRCLING CAT A MDA 2260/HAA 1099. PROCEDURE TURN COMPLETION ALTITUDE 4600. MAXIMUM ALTITUDE AT BML VOR/DME 10000. THIS IS VOR B, AMDT 2B.

FDC 0/2999 FSO FI/P FRANKLIN COUNTY STATE, HIGHGATE, VT. VOR/DME RWY 19, AMDT 4...DELETE NOTE: IF LOCAL ALTIMETER NOT RECEIVED, USE CLINTON CO, PLATTSBURGH, NY ALTIMETER SETTING AND INCREASE ALL MDAS 200 FEET. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, PROCEDURE NA. DELETE FROM PROFILE: FOBOP/YJN 8.00 DME. THIS IS VOR/DME RWY 19, AMDT 4A.

FDC 0/3000 FSO FI/P FRANKLIN COUNTY STATE, HIGHGATE, VT. RNAV (GPS) RWY 19, ORIG...DELETE NOTE: GPS OR RNP-0.3 REQUIRED. DELETE NOTE: IF LOCAL ALTIMETER SETTING SETTING NOT RECEIVED, USE CLINTON CO, PLATTSBURGH, NY ALTIMETER SETTING AND INCREASE ALL MDAS 200 FEET. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, PROCEDURE NA. THIS IS RNAV (GPS) RWY 19, ORIG-A.

FDC 0/3001 FSO FI/P FRANKLIN COUNTY STATE, HIGHGATE, VT. RNAV (GPS) RWY 1, AMDT 2...DELETE NOTE: IF LOCAL ALTIMETER SETTING NOT RECEIVED, USE CLINTON COUNTY, PLATTSBURGH, NY ALTIMETER SETTING AND INCREASE ALL DAS/MDAS 80 FEET. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, PROCEDURE NA. CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH ANGLE NOT COINCIDENT. THIS IS RNAV (GPS) RWY 1, AMDT 2A.

FDC 0/4050 RDU FI/P RALEIGHT-DURHAM INTL, RALEIGH/DURHAM, NC. ILS OR LOC RWY 23R AMDT 11...ILS RWY 23R (CAT II) AMDT 11...ILS RWY 23R (CAT III) AMDT 11...CHANGE MISSED APPROACH TO READ: CLIMB TO 1000 THEN CLIMBING RIGHT TURN TO 2100 VIA HEADING 030 AND RDU VORTAC R-351 TO DUHAM INT/RDU 11DME AND HOLD. THIS IS ILS OR LOC RWY 23R AMDT 11A THIS IS ILS RWY 23R (CAT II) AMDT 11A THIS IS ILS RWY 23R (CAT III) AMDT 11A.

FDC 0/4457 HJO FI/P HANFORD MUNI, HANFORD, CA. RNAV (GPS) RWY 32, AMDT 1...CHANGE CHART FAS OBST TO: 319 TRNSMSN LINE 361820N/1193717W. THIS IS RNAV (GPS) RWY 32, AMDT 1A.

FDC 0/5074 BOS FI/P GEN EDWARD LAWRENCE LOGAN INTL, BOSTON, MA. RNAV (GPS) RWY 27, ORIG-A... LNAV/VNAV DA 504/HAT 487, VIS 1 3/4 ALL CATS. CIRCLING CAT A MDA 940/HAA 920, CAT B MDA 1000/HAA 980, VIS CAT A 1 1/4, CAT B 1 1/2. CIRCLING CATS C/D HAA 620. DELETE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT. CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINICIDENT. CHART NOTE: CIRCLING TO RWY 14 NA. CHART ARPT ELEV 20. ALTERNATE MINIMUMS: STANDARD; EXCEPT CAT A/B 1000-2. DELETE NOTE: GPS OR RNP-0.3 REQUIRED. THIS IS RNAV (GPS) RWY 27, ORIG-B.

FDC 0/5075 BOS FI/P GEN EDWARD LAWRENCE LOGAN INTL, BOSTON, MA. RNAV (GPS) RWY 32, ORIG-A... CIRCLING CAT A MDA 940/HAA 920, CAT B MDA 1000/HAA 980, CATS C/D MDA 820/HAA 800. VIS CAT A 1 1/4, CAT B 1 1/2, CAT C 2 1/4, CAT D 2 1/2. CHART NOTE: CIRCLING NA FOR CATS C AND D WEST OF RWYS 4L AND 15R. DELETE NOTE: CIRCLING NA FOR CATS B, C AND D WEST OF RWYS 4L AND 15R. ALTERNATE MINIMUMS: CATS A/B 1000-2, CAT C 800-2 1/4, CAT D 800-2 1/2. THIS IS RNAV (GPS) RWY 32, ORIG-B.

FDC 0/5076 BOS FI/P GEN EDWARD LAWRENCE LOGAN INTL, BOSTON, MA. RNAV (GPS) RWY 22L, ORIG... CIRCLING CAT A MDA 940/HAA 920, CAT B MDA 1000/HAA 980, VIS CAT A 1 1/4, CAT B 1 1/2. CIRCLING CATS C/D HAA 620. CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINICIDENT. CHART NOTE: CIRCLING TO RWY 14 NA. CHART ARPT ELEV 20. ALTERNATE MINIMUMS: STANDARD; EXCEPT CAT A/B 1000-2. DELETE NOTE: GPS OR RNP-0.3 REQUIRED. THIS IS RNAV (GPS) RWY 22L, ORIG-A.

FDC 0/5081 BOS FI/P GEN EDWARD LAWRENCE LOGAN INTL, BOSTON, MA. RNAV (GPS) RWY 33L, ORIG-B... LNAV/VNAV DA 546/HAT 530, VIS RVR 6000 ALL CATS. CIRCLING CAT A MDA 940/HAA 920, CAT B MDA 1000/HAA 980, VIS CAT A 1 1/4, CAT B 1 1/2. CIRCLING CATS C/D HAA 620. CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINICIDENT. CHART NOTE: CIRCLING TO RWY 14 NA. CHART ARPT ELEV 20. ALTERNATE MINIMUMS: STANDARD; EXCEPT CAT A/B 1000-2. DELETE NOTE: BARO-VNAV NA BELOW -15C (5F). CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 48C (118F). THIS IS RNAV (GPS) RWY 33L, ORIG-C.

FDC 0/5082 BOS FI/P GEN EDWARD LAWRENCE LOGAN INTL, BOSTON, MA. RNAV (GPS) RWY 15R, ORIG-B... CIRCLING CAT A MDA 940/HAA 920, CAT B MDA 1000/HAA 980, VIS CAT A 1 1/4, CAT B 1 1/2. CIRCLING CATS C/D HAA 760, VIS CAT C 2 1/4. CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINICIDENT. CHART NOTE: CIRCLING TO RWY 14 NA. CHART ARPT ELEV 20. ALTERNATE MINIMUMS: STANDARD; EXCEPT CAT A/B 1000-2. DELETE NOTE: GPS OR RNP-0.3 REQUIRED. DELETE NOTE: ARM APPROACH MODE PRIOR TO IAF. DELETE NOTE: BARO-VNAV NA BELOW -15C (5F). CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 48C (118F). THIS IS RNAV (GPS) RWY 15R, ORIG-C

FDC 0/5401 2B7 FI/P PITTSFIELD MUNI, PITTSFIELD, ME. NDB RWY 36, AMDT 4...CHART MINIMUM ALTITUDE BUP NDB 1700 THIS IS NDB RWY 36, AMDT 4A.

FDC 0/5799 GAL FI/P EDWARD G. PITKA, SR, GALENA, AK. VOR/DME RWY 25, AMDT 10... DELETE NOTE: DME REQUIRED TERMINAL ROUTE NAJMY/GAL 50.00 DME TO OBFIY/GAL 10.00 DME MNM ALT 5500. THIS IS VOR/DME RWY 25, AMDT 10A.

FDC 0/5800 GSN FI/P FRANCISCO C. ADA/SAIPAN INTL, SAIPAN, CQ. GPS RWY 25 AMDT 1B...CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT.

FDC 0/5801 GAL FI/P EDWARD G. PITKA, SR, GALENA, AK. VOR/DME RWY 7, AMDT 7... TERMINAL ROUTE NAJMY/50.00 DME TO GAL VOR/DME MNM ALT 5500. THIS IS VOR/DME RWY 7, AMDT 7A.

FDC 0/6640 OME FI/P NOME, NOME, AK. RNAV (GPS) RWY 3, ORIG...CIRCLING CAT A MDA 540/HAA 503, CAT B MDA 580/HAA 543. THIS IS RNAV (GPS) RWY 3, ORIG-A.

FDC 0/6641 OME FI/P NOME, NOME, AK. RNAV (GPS) RWY 10, ORIG...CIRCLING CAT A MDA 540/HAA 503, CAT B MDA 580/HAA 543. THIS IS RNAV (GPS) RWY 10, ORIG-A.

FDC 0/6642 OME FI/P NOME, NOME, AK. NDB/DME RWY 3, AMDT 2...CIRCLING CAT A MDA 540/HAA 503, CAT B MDA 580/HAA 543. THIS IS NDB/DME RWY 3, AMDT 2A.

FDC 0/6643 OME FI/P NOME, NOME, AK. NDB A, ORIG...CIRCLING CAT A MDA 540/HAA 503, CAT B MDA 580/HAA 543. THIS IS NDB A, ORIG-A.

FDC 0/6644 OME FI/P NOME, NOME, AK. VOR RWY 28, AMDT 2...CIRCLING CAT B MDA 580/HAA 543. DELETE: ECECE FIX MINIMUMS. DELETE: ECECE OME 3.45 DME 540. DELETE NOTE: ECECE FIX MINIMUMS: FOR INOPERATIVE MALSR INCREASE S-28 CAT A/B VISIBILITY TO RVR 5000, CAT D VISIBILITY TO RVR 6000. CHART VDP AT 3.39 DME; DISTANCE VDP TO THLD 1.47 MILES. THIS IS VOR RWY 28, AMDT 2A.

FDC 0/6645 OME FI/P NOME, NOME, AK. VOR/DME RWY 10, AMDT 2...CIRCLING CAT A MDA 540/HAA 503, CAT B MDA 580/HAA 543. THIS IS VOR/DME RWY 10, AMDT 2A.

FDC 0/6649 CLP FI/P CLARKS POINT, CLARKS POINT, AK. RNAV (GPS) RWY 18, ORIG... CHART NOTE: PROCEDURE NA AT NIGHT. THIS IS RNAV (GPS) RWY 18, ORIG-A.

FDC 0/6652 CLP FI/P CLARKS POINT, CLARKS POINT, AK. RNAV (GPS) RWY 36, ORIG... CHART NOTE: PROCEDURE NA AT NIGHT. THIS IS RNAV (GPS) RWY 36, ORIG-A.

FDC 0/7691 AQH FI/P QUINHAGAK, QUINHAGAK, AK. RNAV (GPS) RWY 12, ORIG... CHART NOTE: PROCEDURE NA AT NIGHT. CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT. THIS IS RNAV (GPS) RWY 12, ORIG-A.

FDC 0/7692 AQH FI/P QUINHAGAK, QUINHAGAK, AK. RNAV (GPS) RWY 30, ORIG... CHART NOTE: PROCEDURE NA AT NIGHT. THIS IS RNAV (GPS) RWY 30, ORIG-A.

FDC 0/8349 BOS FI/P GEN EDWARD LAWRENCE LOGAN INTL, BOSTON, MA. ILS OR LOC RWY 4R, AMDT 9B... CIRCLING CAT A MDA 940/HAA 920, CAT B MDA 1000/HAA 980, VIS CAT A 1 1/4, CAT B 1 1/2. CIRCLING CATS C/D HAA 620. CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINICIDENT. CHART NOTE: CIRCLING TO RWY 14 NA. CHART ARPT ELEV 20. ALTERNATE MINIMUMS: STANDARD EXCEPT; ILS CATS A/B 1000-2, ILS CATS C/D 700-2. LOC CATS A/B 1000-2. CHART NOTE: CIRCLING NA FOR CATS C AND D WEST OF RWYS 4L AND 15R. CAT II RVR 1000 CHART NOTE: RVR 1000 AUTHORIZED WITH SPECIFIC OPSPEC, MSPEC, OR LOA APPROVAL AND USE OF AUTOLAND OR HUD TO TOUCHDOWN. DELETE NOTE: CATS C AND D CIRCLING NOT AUTHORIZED WEST OF RWYS 4L AND 15R. THIS IS ILS OR LOC RWY 4R, AMDT 9C, ILS RWY 4R (CAT II) AMDT 9C, ILS RWY 4R (CAT III) AMDT 9C.

FDC 0/8350 BOS FI/P GEN EDWARD LAWRENCE LOGAN INTL, BOSTON, MA. ILS OR LOC RWY 33L, AMDT 3... CIRCLING CAT A MDA 940/HAA 920, CAT B MDA 1000/HAA 980, VIS CAT A 1 1/4, CAT B 1 1/2. CHART NOTE: CIRCLING TO RWY 14 NA. ALTERNATE MINIMUMS: STANDARD EXCEPT ILS CATS A/B 1000-2, CATS C/D 700-2. LOC CATS A/B 1000-2. THIS IS ILS OR LOC RWY 33L, AMDT 3A, ILS RWY 33L (CAT II) AMDT 3A.