

| | | | | | | | | | | | | | | | |
|---|-------------------|--------------------------|----------|--|-------|--|--------|-----|---------|------------|-----|---------|--------|-----|---------|
| RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE FAR PART 97.33 | | | | Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR. | | | | | | | | | | | |
| TERMINAL ROUTES | | | | MISSED APPROACH | | | | | | | | | | | |
| FROM | TO | COURSE AND DISTANCE | ALTITUDE | LPV: DA LNAV/VNAV: DA LNAV: RW28 CLIMB TO 4000 DIRECT ASQEV AND HOLD. ADDITIONAL FLIGHT DATA: HOLD E, RT, 283.68 INBOUND. CHART FAS OBST: 999 TREES 430030N/0741829W CHART FAS OBST: 1059 TREES 430030N/0741616W DISTANCE TO THLD FROM 408 HAT: 0.94 NM. WAAS CHANNEL # 53619 REFERENCE PATH ID: W28A | | | | | | | | | | | |
| JUEV (IAF) | LURYO (NOPT) (FB) | 013.76 / 5.00 | 3700 | | | | | | | | | | | | |
| COMUM (IAF) | LURYO (NOPT) (FB) | 193.76 / 5.00 | 3700 | | | | | | | | | | | | |
| LURYO (IF/IAF) | IQHET (FB) | 283.76 / 5.10 | 3000 | | | | | | | | | | | | |
| 1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. HOLD E LURYO, RT, 283.76 INBOUND, 3700 FT. IN LIEU OF PT (IAF) 3. FAC: 283.68 FAF: IQHET DIST FAF TO MAP: 5.47 THLD: 5.47 4. MIN. ALT: LURYO 3700, IQHET 3000, Y1Y1W/2.70 NM TO RW28 1940° 5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT: 6. MIN GS INCPT: 3000 GS ALT AT: IQHET 3000 OM: MM: IM: 7. GS ANGLE: 3.50 TCH: 59.0 34:1 IS NOT CLEAR 8. MSA FROM: | | | | MAG VAR: 14W EPOCH YEAR: 2000 | | | | | | | | | | | |
| MINIMUMS | | | | | | | | | | | | | | | |
| TAKEOFF: <input type="checkbox"/> STANDARD <input checked="" type="checkbox"/> SEE FAA FORM 8260-15A FOR THIS AIRPORT ALTERNATE: N <input type="checkbox"/> A <input checked="" type="checkbox"/> | | | | | | | | | | | | | | | |
| 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 | 1289 | 1 1/4 | 408 | 1289 | 1 1/4 | 408 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| LNAV/VNAV DA | 1411 | 1 1/2 | 530 | 1411 | 1 1/2 | 530 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| LNAV MDA | 1480 | 1 | 599 | 1480 | 1 | 599 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| CIRCLING | 1480 | 1 | 599 | 1480 | 1 | 599 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| NOTES: CHART NOTE: WHEN VGSI INOP, PROCEDURE NA AT NIGHT. CHART NOTE: BARO-VNAV NA. CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. SEE 8260-10 | | | | | | | | | | | | | | | |
| CITY AND STATE | | ELEVATION: 881 TDZE: 881 | | FACILITY IDENTIFIER: | | PROCEDURE NO./AMDT NO./EFFECTIVE DATE: | | | | SUP: | | | | | |
| JOHNSTOWN, NY | | AIRPORT NAME: | | RNAV | | RNAV (GPS) RWY 28, ORIG | | | | AMDT: NONE | | | | | |
| | | FULTON COUNTY | | | | 23 SEP 2010 | | | | DATED | | | | | |

QUALITY
2
CHECKED

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

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

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

NOTES CONT.

CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.

*LNAV ONLY

CHART NOTE: USE SCHENECTADY ALTIMETER SETTING; WHEN NOT RECEIVED, USE ALBANY INTL ALTIMETER SETTING AND INCREASE ALL DA/MDA 40 FEET AND LNAV/VNAV CATS A/B VISIBILITY 1/4 MILE.

TAA

| | FROM | TO | ALT |
|----|-------------------------|---------------------|------|
| 1. | 194/30 CW 014/30 (NOPT) | 194/10 CW 014/10 | 4500 |
| 2. | 194/10 CW 014/10 | LURYO (IF/IAF) (FB) | 3700 |
| 3. | 014/30 CW 104/30 | 014/10 CW 104/10 | 4300 |
| 4. | 014/10 CW 104/10 | JUPEV (IAF) (FB) | 3700 |
| 5. | 104/30 CW 194/30 | 104/10 CW 194/10 | 5000 |
| 6. | 104/10 CW 194/10 | COMUM (IAF) (FB) | 3900 |

QUALITY
2
CHECKED

CITY AND STATE

JOHNSTOWN, NY

ELEVATION: 881 TDZE: 881

AIRPORT NAME:

FULTON COUNTY

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 28, ORIG

23 SEP 2010

SUP:

AMDT: NONE

DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

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

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

FAS DATA BLOCK INFORMATIONDATA FIELDDATA

OPERATION TYPE
SBAS SERVICE PROVIDER IDENTIFIER
AIRPORT IDENTIFIER
RUNWAY
APPROACH PERFORMANCE DESIGNATOR
ROUTE INDICATOR
REFERENCE PATH DATA SELECTOR
REFERENCE PATH IDENTIFIER (APPROACH ID)
LTP/FTP LATITUDE
LTP/FTP LONGITUDE
LTP/FTP ELLIPSOIDAL HEIGHT
FPAP LATITUDE
FPAP LONGITUDE
THRESHOLD CROSSING HEIGHT (TCH)
TCH UNITS SELECTOR (METERS OR FEET USED)
GLIDEPATH ANGLE (GPA)
COURSE WIDTH AT THRESHOLD
LENGTH OFFSET
HORIZONTAL ALERT LIMIT (HAL)
VERTICAL ALERT LIMIT (VAL)

0
0
NY0
RW28
0
0
W28A
425953.6405N
0741919.4840W
+02377
425953.0000N
0742120.8900W
00059.0
F
03.50
106.75
1528
40.0
50.0

CRC REMAINDER

E297DF9C

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE
LTP ORTHOMETRIC HEIGHT
FPAP ORTHOMETRIC HEIGHT

K6
+02685
+02685

QUALITY
2
CHECKED

CITY AND STATE

JOHNSTOWN, NY

ELEVATION: 881 TDZE: 881

AIRPORT NAME:

FULTON COUNTY

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO / AMDT NO / EFFECTIVE DATE:

RNAV (GPS) RWY 28, ORIG

23 SEP 2010

SUP:

AMDT: NONE

DATED:

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

[illegible]

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 |
|------------------|--|--------------------|----|---------|------------|-------|----------|--------------|---|-------|---|------|---|
| SEGMENT | 1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012 | | | | | | | | | | | | |
| SUSAP NY0 K6FR28 | ACOMUM | 010COMUMK6EA0E | A | IF | | | | | | 18000 | | A JS | |
| SUSAP NY0 K6FR28 | ACOMUM | 020LURYOK6EA0EE | B | 010TF | | | 19380050 | + 03700 | | | | A JS | |
| SUSAP NY0 K6FR28 | AJUPEV | 010JUPEVK6EA0E | A | IF | | | | | | 18000 | | A JS | |
| SUSAP NY0 K6FR28 | AJUPEV | 020LURYOK6EA0EE | B | 010TF | | | 01380050 | + 03700 | | | | A JS | |
| SUSAP NY0 K6FR28 | ALURYO | 010LURYOK6EA0EE | AR | HF | | | 28380040 | + 03700 | | 18000 | | A JS | |
| SUSAP NY0 K6FR28 | R | 010LURYOK6EA0E | I | IF | | | | + 03700 | | 18000 | | A JS | |
| SUSAP NY0 K6FR28 | R | 020IQHETK6EA1E | F | 051TF | | | 28380051 | + 03000 | | | | A JS | |
| SUSAP NY0 K6FR28 | R | 020IQHETK6EA2WALPV | | | ALNAV/VNAV | ALNAV | | | | | | JS | |
| SUSAP NY0 K6FR28 | R | 021YIYWK6EA0E | S | 031TF | | | 28370028 | V 0194001950 | | -350 | | A JS | |
| SUSAP NY0 K6FR28 | R | 030RW28 K6PGOGY | M | 031TF | | | 28360027 | 00940 | | -350 | | A JS | |
| SUSAP NY0 K6FR28 | R | 040 | 0 | M 010CA | | | 2836 | + 01281 | | | | A JS | |
| SUSAP NY0 K6FR28 | R | 050ASQEVK6EA0EY | | 010DF | | | | + 04000 | | | | A JS | |
| SUSAP NY0 K6FR28 | R | 060ASQEVK6EA0EE | | R020HM | | | 28370040 | + 04000 | | | | A JS | |

QUALITY
A
CHECKED

FAA FORM 8260-10 / MARCH 2003 (Computer Generated) PAGE 4 OF 5 PAGES

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

[illegible]

QUALITY
4
CHECKED

| | | | | |
|-------------------------------------|---|-------------------------------------|--|-----------------|
| CITY AND STATE JOHNSTOWN, NY | ELEVATION: 881 TDZE: 881 AIRPORT NAME: FULTON COUNTY | FACILITY IDENTIFIER: RNAV | PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 28, ORIG 23 SEP 2010 | SUP: |
| | | | | AMDT: NONE |
| | | | | DATED: |

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURE (ODP)

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

(1) TAKEOFF MINIMUMS:
RWY 10, 28, STANDARD.

(2) TEXTUAL DEPARTURE PROCEDURE:

(3) TAKEOFF OBSTACLE NOTES:

NOTE: RWY 10, TREES BEGINNING 83' FROM DER, 62' LEFT OF CENTERLINE, UP TO 57' AGL/936' MSL. TREES BEGINNING 206' FROM DER, 176' RIGHT OF CENTERLINE, UP TO 43' AGL/922' MSL.

NOTE: RWY 28, TREES BEGINNING 310' FROM DER, 48' LEFT OF CENTERLINE, UP TO 72' AGL/921' MSL. TREES BEGINNING 23' FROM DER, 54' RIGHT OF CENTERLINE, UP TO 73' AGL/892' MSL.

(4) CONTROLLING OBSTACLES:

(5) City, State

JOHNSTOWN, NY

(6) Airport

FULTON COUNTY

(7) Effective Date

23 SEP 2010

(8) Amdt. No.

2

QUALITY
2
CHECKED

| | | | | | |
|--|-------------------|---|--|---|------------|
| US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION | | RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE FAR PART 97.33 | | Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR. | |
| TERMINAL ROUTES | | | | MISSED APPROACH | |
| FROM | TO | COURSE AND DISTANCE | ALTITUDE | LPV: DA LNAV/VNAV: DA LNAV: RW02 CLIMB TO 3000 DIRECT HIRID AND HOLD. ADDITIONAL FLIGHT DATA: HOLD N, RT, 201.94 INBOUND. CHART FAS OBST: 1249 TOWER 400558N/0834549W CHART FAS OBST: 1195 TANK 400642N/0834530W DISTANCE TO THLD FROM 250 HAT: 0.68 NM. CHART VDP AT 1.25 MILES TO RW02* *LNAV ONLY. WAAS CHANNEL # 53719 REFERENCE PATH ID: W02A | |
| JOGER | PENOE (FB) | 311.30 / 18.90 | 4000 | | |
| TRUNC | OREXE (FB) | 115.35 / 11.79 | 4000 | | |
| PENOE (IAF) | SEBUE (NOPT) (FB) | 291.91 / 5.00 | 4000 | | |
| OREXE (IAF) | SEBUE (NOPT) (FB) | 111.77 / 5.00 | 4000 | | |
| SEBUE (IF/IAF) | RIKOE (FB) | 021.84 / 6.10 | 3000 | | |
| 1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. HOLD S SEBUE, RT, 021.84 INBOUND, 4000 FT. IN LIEU OF PT (IAF) 3. FAC: <u>021.87</u> FAF: <u>RIKOE</u> DIST FAF TO MAP: <u>5.86</u> THLD: <u>5.86</u> 4. MIN. ALT: <u>SEBUE 4000, RIKOE 3000, WANIS/2.40 NM TO RW02 1860*</u> 5. DIST TO THLD FROM OM: <u> </u> MM: <u> </u> IM: <u> </u> 150 HAT: <u> </u> 100 HAT: <u> </u> GS ANT: <u> </u> 6. MIN GS INCPT: <u>3000</u> GS ALT AT: <u>RIKOE 3000</u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u>3.00</u> TCH: <u>44.4</u> <u>34:1 IS NOT CLEAR</u> 8. MSA FROM: <u>RW02 2900</u> | | | | MAG VAR: 4W EPOCH YEAR: 1985 | |
| MINIMUMS | | | | | |
| TAKEOFF: | STANDARD | X | SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: NA | STANDARD @ |
| CATEGORY ==> | A | | B | | C |
| | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS |
| LPV DA | 1318 | 1 | 250 | 1318 | 1 |
| LNAV/VNAV DA | 1501 | 1 1/2 | 433 | 1501 | 1 1/2 |
| LNAV MDA | 1500 | 1 | 432 | 1500 | 1 1/4 |
| CIRCLING | 1580 | 1 | 512 | 1580 | 1 1/2 |
| | 1580 | 1 | 512 | 1580 | 1 1/2 |
| | 1580 | 1 | 512 | 1580 | 1 1/2 |
| NOTES: CHART NOTE: BARO-VNAV NA WHEN USING SPRINGFIELD ALTIMETER SETTING. @ NA WHEN LOCAL WEATHER NOT AVAILABLE. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17C (2F) OR ABOVE 54C (130F). CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. SEE 8260-10 | | | | | |
| CITY AND STATE | | ELEVATION: 1068 TDZE: 1068 | | PROCEDURE NO./AMDT NO./EFFECTIVE DATE: | |
| URBANA, OH | | AIRPORT NAME: | | RNAV (GPS) RWY 2, AMDT 1 | |
| | | GRIMES FIELD | | 23 SEP 2010 | |
| | | FACILITY IDENTIFIER: RNAV | | SUP: | |
| | | | | AMDT: ORIG-A | |
| | | | | DATED 04/13/2006 | |

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

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

NOTES CONT.***LNAV ONLY****CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT TRUNC ON V12 WESTBOUND.****CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE SPRINGFIELD ALTIMETER SETTING AND INCREASE ALL DA 44 FEET, ALL MDA 60 FEET, INCREASE LNAV/VNAV ALL CATS VISIBILITY 1/4 MILE.****CHART NOTE: VDP NA WITH SPRINGFIELD ALTIMETER SETTING.**

CITY AND STATE

URBANA, OH

ELEVATION: 1068 TDZE: 1068

AIRPORT NAME:

GRIMES FIELD

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 2, AMDT 1

23 SEP 2010

SUP:

AMDT: ORIG-A

DATED: 04/13/2006

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

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

FAS DATA BLOCK INFORMATION

DATA FIELD

DATA

OPERATION TYPE 0
SBAS SERVICE PROVIDER IDENTIFIER 0
AIRPORT IDENTIFIER I74
RUNWAY RW02
APPROACH PERFORMANCE DESIGNATOR 0
ROUTE INDICATOR
REFERENCE PATH DATA SELECTOR 0
REFERENCE PATH IDENTIFIER (APPROACH ID) W02A
LTP/FTP LATITUDE 400736.5645N
LTP/FTP LONGITUDE 0834521.4300W
LTP/FTP ELLIPSOIDAL HEIGHT +02890
FPAP LATITUDE 400901.4100N
FPAP LONGITUDE 0834445.7400W
THRESHOLD CROSSING HEIGHT (TCH) 00044.4
TCH UNITS SELECTOR (METERS OR FEET USED) F
GLIDEPATH ANGLE (GPA) 03.00
COURSE WIDTH AT THRESHOLD 106.75
LENGTH OFFSET 1408
HORIZONTAL ALERT LIMIT (HAL) 40.0
VERTICAL ALERT LIMIT (VAL) 50.0

CRC REMAINDER

95B50C4D

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K5
LTP ORTHOMETRIC HEIGHT +03224
FPAP ORTHOMETRIC HEIGHT +03224



| | | | | |
|------------------------------|---|---------------------------------|---|-------------------|
| CITY AND STATE URBANA, OH | ELEVATION: 1068 TDZE: 1068 AIRPORT NAME: GRIMES FIELD | FACILITY IDENTIFIER: RNAV | PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 2, AMDT 1 23 SEP 2010 | SUP: |
| | | | | AMDT: ORIG-A |
| | | | | DATED: 04/13/2006 |

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

[illegible][illegible]

| SEGMENT | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 |
|------------------|--------|--------------------|-----------|------------|-------|----------|--------------|---|---|-------|------|-------|----|
| SUSAP I74 K5FR02 | AJOGER | 010JOGERK5EA0E | IF | | | | | | | 18000 | | A JS | |
| SUSAP I74 K5FR02 | AJOGER | 020PENOEK5EA0E | A 020TF | | | 31130189 | + 04000 | | | | | A JS | |
| SUSAP I74 K5FR02 | AJOGER | 030SEBUEK5EA0EE | B 010TF | | | 29190050 | + 04000 | | | | | A JS | |
| SUSAP I74 K5FR02 | ASEBUE | 010SEBUEK5EA0EE | AR HF | | | 02180040 | + 04000 | | | 18000 | | A JS | |
| SUSAP I74 K5FR02 | ATRUNC | 010TRUNCK5EA0E | IF | | | | | | | 18000 | | A JS | |
| SUSAP I74 K5FR02 | ATRUNC | 020OREXEK5EA0E | A 020TF | | | 11540118 | + 04000 | | | | | A JS | |
| SUSAP I74 K5FR02 | ATRUNC | 030SEBUEK5EA0EE | B 010TF | | | 11180050 | + 04000 | | | | | A JS | |
| SUSAP I74 K5FR02 | R | 010SEBUEK5EA0E | I IF | | | | + 04000 | | | 18000 | | A JS | |
| SUSAP I74 K5FR02 | R | 020RIKOEK5EA1E | F 051TF | | | 02180061 | + 03000 | | | | RW02 | K5PGA | JS |
| SUSAP I74 K5FR02 | R | 020RIKOEK5EA2WALPV | | ALNAV/VNAV | ALNAV | | | | | | | | JS |
| SUSAP I74 K5FR02 | R | 021WANISK5EA0E | S 031TF | | | 02190035 | V 0186001872 | | | -300 | | A JS | |
| SUSAP I74 K5FR02 | R | 030RW02 K5PG0GY | M 031TF | | | 02190024 | 01102 | | | -300 | | A JS | |
| SUSAP I74 K5FR02 | R | 040 | 0 M 010CA | | | 0219 | + 01318 | | | | | A JS | |
| SUSAP I74 K5FR02 | R | 050HIRIDK5EA0EY | 010DF | | | | + 03000 | | | | | A JS | |
| SUSAP I74 K5FR02 | R | 060HIRIDK5EA0EE | R020HM | | | 20190040 | + 03000 | | | | | A JS | |

4
CHECKED

| | |
|--------|------------|
| SUP: | |
| AMDT: | ORIG-A |
| DATED: | 04/13/2006 |

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

[illegible]

QUALITY
4
CHECKED

| | | | | |
|----------------------------------|--|-------------------------------------|---|----------------------|
| CITY AND STATE URBANA, OH | ELEVATION: 1068 TDZE: 1068 AIRPORT NAME: GRIMES FIELD | FACILITY IDENTIFIER: RNAV | PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 2, AMDT 1 23 SEP 2010 | SUP: |
| | | | | AMDT: ORIG-A |
| | | | | DATED: 04/13/2006 |

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

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

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

TERMINAL ROUTES

MISSED APPROACH

| FROM | TO | COURSE AND DISTANCE | ALTITUDE |
|----------------|-------------------|---------------------|----------|
| ROD VORTAC | IJMIN (FB) | 076.15 / 12.93 | 3000 |
| GUNNE | YEGUT (FB) | 260.60 / 15.79 | 3000 |
| IJMIN (IAF) | HIRID (NOPT) (FB) | 111.87 / 5.00 | 3000 |
| YEGUT (IAF) | HIRID (NOPT) (FB) | 292.01 / 5.00 | 3000 |
| HIRID (IF/IAF) | LEKNE (FB) | 201.94 / 6.10 | 3000 |

LPV: DA
LNAV/VNAV: DA
LNAV: RW20

CLIMB TO 4000 DIRECT SEBUE AND HOLD.

ADDITIONAL FLIGHT DATA:

HOLD S, RT, 021.84 INBOUND.
CHART FAS OBST: 1164 TOWER AT HOUSE
400828N/0834512W
DISTANCE TO THLD FROM 279 HAT: 0.76 NM.
CHART VDP AT 0.99 MILES TO RW20* *LNAV ONLY.
WAAS CHANNEL # 78419
REFERENCE PATH ID: W20A

1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
2. HOLD N HIRID, RT, 201.94 INBOUND, 3000 FT. IN LIEU OF PT (IAF)
3. FAC: 201.92 FAF: LEKNE DIST FAF TO MAP: 5.85 THLD: 5.85
4. MIN. ALT: HIRID 3000, LEKNE 3000, OWEQO/1.90 NM TO RW20 1700*
5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
6. MIN GS INCPT: 3000 GS ALT AT: LEKNE 3000 OM: MM: IM:
7. GS ANGLE: 3.00 TCH: 37.7 34:1 IS NOT CLEAR
8. MSA FROM: RW20 2900

MAG VAR: 4W

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 | | 1347 | 1 | 279 | 1347 | 1 | 279 | 1347 | 1 | 279 | | NA | | | | |
| LNAV/VNAV DA | | 1469 | 1 1/2 | 401 | 1469 | 1 1/2 | 401 | 1469 | 1 1/2 | 401 | | NA | | | | |
| LNAV MDA | | 1420 | 1 | 352 | 1420 | 1 | 352 | 1420 | 1 | 352 | | NA | | | | |
| | | | | | | | | | | | | | | | | |
| CIRCLING | | 1580 | 1 | 512 | 1580 | 1 | 512 | 1580 | 1 1/2 | 512 | | NA | | | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |

NOTES:

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

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17C (2F) OR ABOVE 54C (130F).

CHART NOTE: DME/DME RNP-0.3 NA.

CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.

SEE 8260-10

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

| | | | | |
|----------------------------------|---|------------------------------|--|--|
| CITY AND STATE URBANA, OH | ELEVATION: 1068 TDZE: 1068 AIRPORT NAME: GRIMES FIELD | FACILITY IDENTIFIER: RNAV | PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 20, AMDT 1 23 SEP 2010 | SUP: AMDT: ORIG-A DATED 04/13/2006 |
|----------------------------------|---|------------------------------|--|--|

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

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

NOTES CONT.

*RNAV ONLY

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT GUNNE ON V144 SOUTHEASTBOUND.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON ROD VORTAC AIRWAY RADIALS 023 CW 055.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE SPRINGFIELD ALTIMETER SETTING AND INCREASE ALL DA 44 FEET, ALL MDA 60 FEET, INCREASE LPV ALL CATS AND RNAV CAT C VISIBILITY 1/4 MILE.

CHART NOTE: VDP NA WITH SPRINGFIELD ALTIMETER SETTING.

CITY AND STATE

URBANA, OH

ELEVATION: 1068 TDZE: 1068

AIRPORT NAME:

GRIMES FIELD

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 20, AMDT 1

23 SEP 2010

SUP:

AMDT: ORIG-A

DATED: 04/13/2006

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

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FAS DATA BLOCK INFORMATION

DATA FIELD

DATA

| | |
|--|---------------|
| OPERATION TYPE | 0 |
| SBAS SERVICE PROVIDER IDENTIFIER | 0 |
| AIRPORT IDENTIFIER | 174 |
| RUNWAY | RW20 |
| APPROACH PERFORMANCE DESIGNATOR | 0 |
| ROUTE INDICATOR | |
| REFERENCE PATH DATA SELECTOR | 0 |
| REFERENCE PATH IDENTIFIER (APPROACH ID) | W20A |
| LTP/FTP LATITUDE | 400817.9425N |
| LTP/FTP LONGITUDE | 0834504.0315W |
| LTP/FTP ELLIPSOIDAL HEIGHT | +02920 |
| FPAP LATITUDE | 400653.0800N |
| FPAP LONGITUDE | 0834539.7100W |
| THRESHOLD CROSSING HEIGHT (TCH) | 00037.7 |
| TCH UNITS SELECTOR (METERS OR FEET USED) | F |
| GLIDEPATH ANGLE (GPA) | 03.00 |
| COURSE WIDTH AT THRESHOLD | 106.75 |
| LENGTH OFFSET | 1408 |
| HORIZONTAL ALERT LIMIT (HAL) | 40.0 |
| VERTICAL ALERT LIMIT (VAL) | 50.0 |

CRC REMAINDER

1EB34481

ADDITIONAL PATH POINT RECORD INFORMATION

| | |
|-------------------------|--------|
| ICAO CODE | K5 |
| LTP ORTHOMETRIC HEIGHT | +03254 |
| FPAP ORTHOMETRIC HEIGHT | +03254 |

| | | | | |
|------------------------------|---|---------------------------------|--|-------------------|
| CITY AND STATE URBANA, OH | ELEVATION: 1068 TDZE: 1068 AIRPORT NAME: GRIMES FIELD | FACILITY IDENTIFIER: RNAV | PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 20, AMDT 1 23 SEP 2010 | SUP: |
| | | | | AMDT: ORIG-A |
| | | | | DATED: 04/13/2006 |

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

[illegible]

QUALITY
4
CHECKED

| | | | | |
|----------------------------------|---|-------------------------------------|--|-------------------|
| CITY AND STATE URBANA, OH | ELEVATION: 1068 TDZE: 1068 AIRPORT NAME: GRIMES FIELD | FACILITY IDENTIFIER: RNAV | PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 20, AMDT 1 23 SEP 2010 | SUP: |
| | | | | AMDT: ORIG-A |
| | | | | DATED: 04/13/2006 |

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

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| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 |
|------------------------|--|--------------------------|-----------------------|---|---|---|---|---|---|---|---|---|---|
| RUNWAY | 1234567890123456789012345678901234567890123456789012345678901234567890123456789012 | | | | | | | | | | | | |
| SUSAP I74 K5GRW20 | 0044002019 | N40081794W083450403-0200 | +0292001068000038100R | | | | | | | | | | |
| PP | 1234567890123456789012345678901234567890123456789012345678901234567890123456789012 | | | | | | | | | | | | |
| SUSAP I74 K5PR20 | RW20 001 0000W20A0N4008179425W08345040315+029200300N4006530800W08345397100106751408000377F4005001EB34481 | | | | | | | | | | | | |
| SUSAP I74 K5PR20 | RW20 002E | +03254+03254LPV | 78419 | | | | | | | | | | |
| MSA | 1234567890123456789012345678901234567890123456789012345678901234567890123456789012 | | | | | | | | | | | | |
| SUSAP I74 K5SRW20 K5PG | 0 | 18018002925 | M | | | | | | | | | | |

| | | | | |
|------------------------------|---|------------------------------|--|-------------------|
| CITY AND STATE URBANA, OH | ELEVATION: 1068 TDZE: 1068 AIRPORT NAME: GRIMES FIELD | FACILITY IDENTIFIER: RNAV | PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 20, AMDT 1 23 SEP 2010 | SUP: |
| | | | | AMDT: ORIG-A |
| | | | | DATED: 04/13/2006 |

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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

(1) TAKEOFF MINIMUMS:

RWY 17, 35 STANDARD.

(2) TEXTUAL DEPARTURE PROCEDURE:

(3) TAKEOFF OBSTACLE NOTES:

NOTE: RWY 35, TREES BEGINNING 50 FT FROM DER, 249 FT LEFT OF CENTERLINE, UP TO 30 FT AGL/1050 FT MSL. ROAD WITH VEHICLES BEGINNING 214 FT FROM DER, 397 FT RIGHT OF CENTERLINE, UP TO 15 FT AGL/1043 FT MSL.

(4) CONTROLLING OBSTACLES:

(5) City, State

BLACKWELL, OK

(6) Airport

BLACKWELL-TONKAWA MUNI

(7) Effective Date

23 SEP 2010

(8) Amdt. No.

ORIG

QUALITY
2
CHECKED

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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

(1) TAKEOFF MINIMUMS:

RWY 17, STANDARD.

RWY 35, 500 -2 1/4 OR STANDARD WITH MINIMUM CLIMB OF 280 FT PER NM TO 1700.

(2) TEXTUAL DEPARTURE PROCEDURE:

(3) TAKEOFF OBSTACLE NOTES:

NOTE: RWY 17, MULTIPLE POWER POLES BEGINNING 978 FT FROM DER, 702 FT LEFT OF CENTERLINE, UP TO 60 FT AGL/1129 FT MSL. MULTIPLE POWER POLES BEGINNING 945 FT FROM DER, 613 FT RIGHT OF CENTERLINE, UP TO 60 FT AGL/1149 FT MSL. MULTIPLE TREES BEGINNING 1704 FT FROM DER, 769 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/1169 FT MSL.

NOTE: RWY 35, MULTIPLE TREES BEGINNING 1934 FT FROM DER, LEFT TO RIGHT OF CENTERLINE, UP TO 100 FT AGL/1219 FT MSL. BUSH 7 FT FROM DER, 445 FT RIGHT OF CENTERLINE, 9 FT AGL/1119 FT MSL. TOWER 1.92 NM FROM DER, 2453 FT LEFT OF CENTERLINE, 362 FT AGL/1471 FT MSL.

(4) CONTROLLING OBSTACLES:

RWY 35: 1471 MSL TOWER 343043.00N/0975807.00W

(5) City, State

DUNCAN, OK

(6) Airport

HALLIBURTON FIELD

(7) Effective Date
23 SEP 2010

(8) App. No.

1

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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(1) TAKEOFF MINIMUMS:

RWY 03, 12, 17, 21, 30, 35 STANDARD.

(2) TEXTUAL DEPARTURE PROCEDURE:

(3) TAKEOFF OBSTACLE NOTES:

NOTE: RWY 03, VEHICLES ON ROAD 425' FROM DER, 231' RIGHT OF CENTERLINE, 15' AGL/1269' MSL.
NOTE: RWY 12, VEHICLES ON ROAD 404' FROM DER, 229' LEFT OF CENTERLINE, 15' AGL/1254' MSL.

(4) CONTROLLING OBSTACLES:

QUALITY
9
CHECKED

(5) City, State

FREDERICK, OK

(6) Airport

FREDERICK RGNL

(7) Effective Date

23 SEP 2010

(8) Amdt. No.

ORIG

| | | | | | | | | | | | | | | | |
|--|-------------------|--|----------|---|------|---|--------|-------|---------|--|------|---------|--------|-----|---------|
| RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE FAR PART 97.33 | | | | Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR. | | | | | | | | | | | |
| TERMINAL ROUTES | | | | MISSED APPROACH | | | | | | | | | | | |
| FROM | TO | COURSE AND DISTANCE | ALTITUDE | LPV: DA LNAV/VNAV: DA LNAV: RW35R CLIMB TO 4000 DIRECT ILUFI AND HOLD. ADDITIONAL FLIGHT DATA: HOLD N, RT, 172.96 INBOUND. CHART FAS OBST: 1319 TREE 352218N/0973529W FAS OBST: 1399 AAO 351926N/0973433W 1459 AAO 351758N/0973631W. CHART: ASR DISTANCE TO THLD FROM 200 HAT: 0.49 NM. CHART VDP AT 1.14 MILES TO RW35R* *LNAV ONLY. WAAS CHANNEL # 61218 REFERENCE PATH ID: W35B | | | | | | | | | | | |
| IHSAS (IAF) | JAVXE (NOPT) (FB) | 082.90 / 5.00 | 3100 | | | | | | | | | | | | |
| NIJNU (IAF) | JAVXE (NOPT) (FB) | 262.97 / 5.00 | 3100 | | | | | | | | | | | | |
| JAVXE (IF/IAF) | EQXIC (FB) | 352.96 / 5.00 | 3000 | | | | | | | | | | | | |
| 1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. HOLD S JAVXE, RT, 352.96 INBOUND, 3100 FT. IN LIEU OF PT (IAF) 3. FAC: 352.96 FAF: EQXIC DIST FAF TO MAP: 5.15 THLD: 5.15 4. MIN. ALT: JAVXE 3100, EQXIC 3000 5. DIST TO THLD FROM OM: <u> </u> MM: <u> </u> IM: <u> </u> 150 HAT: <u> </u> 100 HAT: <u> </u> GS ANT: <u> </u> 6. MIN GS INCPT: 3000 GS ALT AT: EQXIC 3000 OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: 3.00 TCH: 55.0 34:1 IS CLEAR 8. MSA FROM: <u> </u> | | | | MAG VAR: 7E EPOCH YEAR: 1985 | | | | | | | | | | | |
| MINIMUMS | | | | | | | | | | | | | | | |
| TAKEOFF: <u> </u> STANDARD <input checked="" type="checkbox"/> SEE FAA FORM 8260-15A FOR THIS AIRPORT ALTERNATE: N A <u> </u> | | | | 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 | 1494 | 2400 | 200 | 1494 | 2400 | 200 | 1494 | 2400 | 200 | 1494 | 2400 | 200 | | | |
| LNAV/VNAV DA | 1628 | 4000 | 334 | 1628 | 4000 | 334 | 1628 | 4000 | 334 | 1628 | 4000 | 334 | | | |
| LNAV MDA | 1700 | 2400 | 406 | 1700 | 2400 | 406 | 1700 | 4000 | 406 | 1700 | 5000 | 406 | | | |
| CIRCLING | 1740 | 1 | 445 | 1760 | 1 | 465 | 1760 | 1 1/2 | 465 | 1860 | 2 | 565 | | | |
| NOTES: CHART NOTE: FOR INOPERATIVE ALSF-2, INCREASE LNAV CAT D VISIBILITY TO RVR 6000. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17C (2F) OR ABOVE 46C (114F). CHART NOTE: DME/DME RNP-0.3 NA. | | | | | | | | | | | | | | | |
| CITY AND STATE OKLAHOMA CITY, OK | | ELEVATION: 1295 TDZE: 1294 AIRPORT NAME: WILL ROGERS WORLD | | FACILITY IDENTIFIER: RNAV | | PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) Y RWY 35R, AMDT 1 23 SEP 2010 | | | | SUP: AMDT: ORIG-B DATED 11/23/2006 | | | | | |



US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

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

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TAA

| | FROM | TO | ALT |
|----|-------------------------|---------------------|------|
| 1. | 263/30 CW 083/30 (NOPT) | JAVXE (IF/IAF) (FB) | 3100 |
| 2. | 083/30 CW 173/30 | IHSAS (IAF) (FB) | 4000 |
| 3. | 173/30 CW 263/30 | NIJNU (IAF) (FB) | 4000 |

QUALITY
2
CHECKED

CITY AND STATE

OKLAHOMA CITY, OK

ELEVATION: 1295 TDZE: 1294

AIRPORT NAME:

WILL ROGERS WORLD

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) Y RWY 35R, AMDT 1

23 SEP 2010

SUP:

AMDT: ORIG-B

DATED: 11/23/2006

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

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FAS DATA BLOCK INFORMATION

DATA FIELD

DATA

OPERATION TYPE 0
SBAS SERVICE PROVIDER IDENTIFIER 0
AIRPORT IDENTIFIER KOKC
RUNWAY RW35R
APPROACH PERFORMANCE DESIGNATOR 0
ROUTE INDICATOR Y
REFERENCE PATH DATA SELECTOR 0
REFERENCE PATH IDENTIFIER (APPROACH ID) W35B
LTP/FTP LATITUDE 352241.6400N
LTP/FTP LONGITUDE 0973520.1100W
LTP/FTP ELLIPSOIDAL HEIGHT +03643
FPAP LATITUDE 352419.9000N
FPAP LONGITUDE 0973520.1900W
THRESHOLD CROSSING HEIGHT (TCH) 00055.0
TCH UNITS SELECTOR (METERS OR FEET USED) F
GLIDEPATH ANGLE (GPA) 03.00
COURSE WIDTH AT THRESHOLD 106.75
LENGTH OFFSET 0040
HORIZONTAL ALERT LIMIT (HAL) 40.0
VERTICAL ALERT LIMIT (VAL) 35.0

CRC REMAINDER

4C25CAF3

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K4
LTP ORTHOMETRIC HEIGHT +03910
FPAP ORTHOMETRIC HEIGHT +03910

QUALITY
2
CHECKED

CITY AND STATE

OKLAHOMA CITY, OK

ELEVATION: 1295 TDZE: 1294

AIRPORT NAME:

WILL ROGERS WORLD

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) Y RWY 35R, AMDT 1

23 SEP 2010

SUP:

AMDT: ORIG-B

DATED: 11/23/2006

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

[illegible][illegible]

| SEGMENT | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 |
|---|---|---|---|---|------------|-------|----------|---------|---|-------|---|------|---|
| SUSAP KOKCK4FR35RY AIHSAS 010IHSASK4EA0E A IF | | | | | | | | | | 18000 | | A JS | |
| SUSAP KOKCK4FR35RY AIHSAS 020JAVXEK4EA0EE B 010TF | | | | | | | 08290050 | + 03100 | | | | A JS | |
| SUSAP KOKCK4FR35RY AJAVXE 010JAVXEK4EA0EE AR HF | | | | | | | 35300040 | + 03100 | | 18000 | | A JS | |
| SUSAP KOKCK4FR35RY ANIJNU 010NIJNUK4EA0E A IF | | | | | | | | | | 18000 | | A JS | |
| SUSAP KOKCK4FR35RY ANIJNU 020JAVXEK4EA0EE B 010TF | | | | | | | 26300050 | + 03100 | | | | A JS | |
| SUSAP KOKCK4FR35RY R 010JAVXEK4EA0E I IF | | | | | | | | + 03100 | | 18000 | | A JS | |
| SUSAP KOKCK4FR35RY R 020EQXICK4EA1E F 051TF | | | | | | | 35300050 | + 03000 | | | | A JS | |
| SUSAP KOKCK4FR35RY R 020EQXICK4EA2WALPV | | | | | ALNAV/VNAV | ALNAV | | | | | | JS | |
| SUSAP KOKCK4FR35RY R 030RW35RK4PG0GY M 031TF | | | | | | | 35300052 | 01338 | | -300 | | A JS | |
| SUSAP KOKCK4FR35RY R 040 0 M 010CA | | | | | | | 3530 | + 01494 | | | | A JS | |
| SUSAP KOKCK4FR35RY R 050ILUFIK4EA0EY 010DF | | | | | | | | + 04000 | | | | A JS | |
| SUSAP KOKCK4FR35RY R 060ILUFIK4EA0EE R020HM | | | | | | | 17300040 | + 04000 | | | | A JS | |

[illegible][illegible]

QUALITY
4
CHECK

| | | | | |
|---|--|-------------------------------------|---|-------------------|
| CITY AND STATE OKLAHOMA CITY, OK | ELEVATION: 1295 TDZE: 1294 AIRPORT NAME: WILL ROGERS WORLD | FACILITY IDENTIFIER: RNAV | PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) Y RWY 35R, AMDT 1 23 SEP 2010 | SUP: |
| | | | | AMDT: ORIG-B |
| | | | | DATED: 11/23/2006 |

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

[illegible]

QUALITY
CHECKED

| | |
|--------|------------|
| SUP: | |
| AMDT: | ORIG-B |
| DATED: | 11/23/2006 |

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

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

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

| TERMINAL ROUTES | | | | MISSED APPROACH |
|-----------------|-------------------|---------------------|----------|---|
| FROM | TO | COURSE AND DISTANCE | ALTITUDE | |
| TITKE (IAF) | MELIE (NOPT) (FB) | 264.50 / 5.00 | 3000 | LPV: DA LNAV/VNAV: DA LNAV: RW17 CLIMB TO 3000 DIRECT TAXTU AND HOLD. ADDITIONAL FLIGHT DATA: HOLD S, RT, 354.44 INBOUND. CHART FAS OBST: 1118 TOWER 344303N/0971240W DISTANCE TO THLD FROM 200 HAT: 0.46 NM. WAAS CHANNEL # 86718 REFERENCE PATH ID: W17A CHART VDP AT 1.18 MILES TO RW17* *LNAV ONLY. |
| ZAGOD (IAF) | MELIE (NOPT) (FB) | 084.38 / 5.00 | 3000 | |
| MELIE (IF/IAF) | HIGIT (FB) | 174.44 / 6.42 | 2500 | |

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- HOLD N MELIE, RT, 174.44 INBOUND, 3000 FT. IN LIEU OF PT (IAF)
- FAC: 174.44 FAF: HIGIT DIST FAF TO MAP: 4.57 THLD: 4.57
- MIN. ALT: MELIE 3000, HIGIT 2500, DOPME/2.50 NM TO RW17 1820*
- DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
- MIN GS INCPT: 2500 GS ALT AT: HIGIT 2500 OM: MM: IM:
- GS ANGLE: 3.00 TCH: 55.0 34:1 IS CLEAR
- MSA FROM:

MAG VAR: 6E 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 | 1171 | 1 | 200 | 1171 | 1 | 200 | 1171 | 1 | 200 | 1171 | 1 | 200 | | | |
| LNAV/VNAV DA | 1413 | 1 1/2 | 442 | 1413 | 1 1/2 | 442 | 1413 | 1 1/2 | 442 | 1413 | 1 1/2 | 442 | | | |
| LNAV MDA | 1420 | 1 | 449 | 1420 | 1 | 449 | 1420 | 1 1/4 | 449 | 1420 | 1 3/4 | 449 | | | |
| CIRCLING | 1440 | 1 | 469 | 1440 | 1 | 469 | 1540 | 1 1/2 | 569 | 1760 | 2 | 789 | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |

NOTES:
CHART NOTE: DME/DME RNP-0.3 NA.

*LNAV ONLY

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ARDMORE DOWNTOWN EXECUTIVE ALTIMETER SETTING AND INCREASE ALL DA 97 FEET AND ALL MDA 100 FEET AND LNAV/VNAV VISIBILITY 1/4 MILE ALL

SEE 8260-10

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY
CHECKED

| | | | | |
|---|---|-------------------------------------|--|--|
| CITY AND STATE PAULS VALLEY, OK | ELEVATION: 971 TDZE: 971 AIRPORT NAME: PAULS VALLEY MUNI | FACILITY IDENTIFIER: RNAV | PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 17, ORIG-A 23 SEP 2010 | SUP: AMDT: ORIG DATED 06/03/2010 |
|---|---|-------------------------------------|--|--|

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

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

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

NOTES CONT.

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

CHART NOTE: BARO-VNAV NA WHEN USING ARDMORE DOWNTOWN EXECUTIVE ALTIMETER SETTING.

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS LNAV/VNAV NA BELOW - 16C (4F) OR ABOVE 46C (114F).

CHART NOTE: VDP NA WHEN USING ARDMORE DOWNTOWN EXECUTIVE ALTIMETER SETTING.

TAA

| | FROM | TO | ALT |
|----|-------------------------|---------------------|------|
| 1. | 084/30 CW 265/30 (NOPT) | 084/20 CW 265/20 | 3100 |
| 2. | 084/20 CW 265/20 | MELIE (IF/IAF) (FB) | 3000 |
| 3. | 265/30 CW 354/30 | TITKE (IAF) (FB) | 3000 |
| 4. | 354/30 CW 084/30 | ZAGOD (IAF) (FB) | 3000 |

QUALITY
CHECKED

CITY AND STATE

PAULS VALLEY, OK

ELEVATION: 971 TDZE: 971

AIRPORT NAME:

PAULS VALLEY MUNI

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 17, ORIG-A

23 SEP 2010

SUP:

AMDT: ORIG

DATED: 06/03/2010

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

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

FAS DATA BLOCK INFORMATION

DATA FIELD

DATA

OPERATION TYPE 0
SBAS SERVICE PROVIDER IDENTIFIER 0
AIRPORT IDENTIFIER KPVJ
RUNWAY RW17
APPROACH PERFORMANCE DESIGNATOR 0
ROUTE INDICATOR
REFERENCE PATH DATA SELECTOR 0
REFERENCE PATH IDENTIFIER (APPROACH ID) W17A
LTP/FTP LATITUDE 344252.2915N
LTP/FTP LONGITUDE 0971326.7255W
LTP/FTP ELLIPSOIDAL HEIGHT +02704
FPAP LATITUDE 344123.0400N
FPAP LONGITUDE 0971327.5600W
THRESHOLD CROSSING HEIGHT (TCH) 00055.0
TCH UNITS SELECTOR (METERS OR FEET USED) F
GLIDEPATH ANGLE (GPA) 03.00
COURSE WIDTH AT THRESHOLD 106.75
LENGTH OFFSET 1224
HORIZONTAL ALERT LIMIT (HAL) 40.0
VERTICAL ALERT LIMIT (VAL) 35.0

CRC REMAINDER

65CC0206

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K4
LTP ORTHOMETRIC HEIGHT +02959
FPAP ORTHOMETRIC HEIGHT +02959

QUALITY
CHECKED

CITY AND STATE
PAULS VALLEY, OK

ELEVATION: 971 TDZE: 971
AIRPORT NAME:
PAULS VALLEY MUNI

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 17, ORIG-A
23 SEP 2010

SUP:
AMDT: ORIG
DATED: 06/03/2010

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

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

ARINC PACKET - 424-18 - RNAV (GPS)

| WP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 |
|--|-----------|---|---------------------|---|---|---|---|-------|-----|-------|---|---|---|
| 1234567890123456789012345678901234567890123456789012345678901234567890123456789012 | | | | | | | | | | | | | |
| SUSAEAENRT | DOPME K40 | W | N34452253W097132533 | | | | | E0043 | NAR | DOPME | | | |
| SUSAEAENRT | HIGIT K40 | W | N34472701W097132417 | | | | | E0043 | NAR | HIGIT | | | |
| SUSAEAENRT | MELIE K40 | W | N34535306W097132057 | | | | | E0043 | NAR | MELIE | | | |
| SUSAEAENRT | TAXTU K40 | W | N34310174W097133332 | | | | | E0043 | NAR | TAXTU | | | |
| SUSAEAENRT | TITKE K40 | W | N34535060W097071586 | | | | | E0043 | NAR | TITKE | | | |
| SUSAEAENRT | ZAGOD K40 | W | N34535522W097192528 | | | | | E0044 | NAR | ZAGOD | | | |

| AIRPORT | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 |
|--|---|------------------------------------|---|---|---|---|---|-------------|------|-------------------|---|---|---|
| 1234567890123456789012345678901234567890123456789012345678901234567890123456789012 | | | | | | | | | | | | | |
| SUSAP KPVJK4APVJ | 0 | 050YHN34423443W097132405E006000971 | | | | | | 1800018000C | MNAR | PAULS VALLEY MUNI | | | |

| SEGMENT | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 |
|--|--------------------------------|---|---|---|---|---|---|----------|--------------|-------|---|------|---|
| 1234567890123456789012345678901234567890123456789012345678901234567890123456789012 | | | | | | | | | | | | | |
| SUSAP KPVJK4FR17 | AMELIE 010MELIEK4EAOEE AR HF | | | | | | | 17440040 | + 03000 | 18000 | | A JS | |
| SUSAP KPVJK4FR17 | ATITKE 010TITKEK4EAOE A IF | | | | | | | | | 18000 | | A JS | |
| SUSAP KPVJK4FR17 | ATITKE 020MELIEK4EAOEE B 010TF | | | | | | | 26450050 | + 03000 | | | A JS | |
| SUSAP KPVJK4FR17 | AZAGOD 010ZAGODK4EAOE A IF | | | | | | | | | 18000 | | A JS | |
| SUSAP KPVJK4FR17 | AZAGOD 020MELIEK4EAOEE B 010TF | | | | | | | 08440050 | + 03000 | | | A JS | |
| SUSAP KPVJK4FR17 | R 010MELIEK4EAOE I IF | | | | | | | | + 03000 | 18000 | | A JS | |
| SUSAP KPVJK4FR17 | R 020HIGITK4EALF F 051TF | | | | | | | 17440064 | + 02500 | | | A JS | |
| SUSAP KPVJK4FR17 | R 020HIGITK4EAL2WALPV | | | | | | | | | | | JS | |
| SUSAP KPVJK4FR17 | R 021DOPMEK4EAOE S 031TF | | | | | | | 17440021 | V 0182001828 | -300 | | A JS | |
| SUSAP KPVJK4FR17 | R 030RW17 K4PGOGY M 031TF | | | | | | | 17440025 | 01026 | -300 | | A JS | |
| SUSAP KPVJK4FR17 | R 040 0 M 010CA | | | | | | | 1744 | + 01171 | | | A JS | |
| SUSAP KPVJK4FR17 | R 050TAXTUK4EAOEY 010DF | | | | | | | | + 03000 | | | A JS | |
| SUSAP KPVJK4FR17 | R 060TAXTUK4EAOEE R020HM | | | | | | | 35440040 | + 03000 | | | A JS | |

| RUNWAY | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 |
|--|------------|--------------------------|---|---|---|---|---|---|-----------------------|---|---|---|---|
| 1234567890123456789012345678901234567890123456789012345678901234567890123456789012 | | | | | | | | | | | | | |
| SUSAP KPVJK4GRW17 | 0050011744 | N34425229W097132673-0500 | | | | | | | +0270400971000055100R | | | | |

QUALITY
CHECKED

| | | | | |
|------------------------------------|------------------------------------|------------------------------|--|-------------------|
| CITY AND STATE PAULS VALLEY, OK | ELEVATION: 971 TDZE: 971 | FACILITY IDENTIFIER: RNAV | PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 17, ORIG-A 23 SEP 2010 | SUP: |
| | AIRPORT NAME: PAULS VALLEY MUNI | | | AMDT: ORIG |
| | | | | DATED: 06/03/2010 |

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

[illegible]

QUALITY
CHECKED

| | | | | |
|------------------------------------|---|---------------------------------|--|----------------------|
| CITY AND STATE PAULS VALLEY, OK | ELEVATION: 971 TDZE: 971 AIRPORT NAME: PAULS VALLEY MUNI | FACILITY IDENTIFIER: RNAV | PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 17, ORIG-A 23 SEP 2010 | SUP: |
| | | | | AMDT: ORIG |
| | | | | DATED: 06/03/2010 |

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

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

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

| TERMINAL ROUTES | | | | MISSED APPROACH | | | | | | | | |
|--|-------------------|--------------------------|--|--|------------|--|--------|-------------------------|---------|--------|-------|---------|
| FROM | TO | COURSE AND DISTANCE | ALTITUDE | | | | | | | | | |
| COQXA (IAF) | VIDKY (NOPT) (FB) | 087.02 / 6.00 | 3500 | LPV: DA LNAV/VNAV: DA LNAV: RW18R CLIMB TO 3500 DIRECT SUSNE AND HOLD. ADDITIONAL FLIGHT DATA: HOLD S, RT, 357.08 INBOUND. CHART FAS OBST: 680 TREE 361244N/0955347W CHART FAS OBST: 1020 TOWER 361846N/0955539W DISTANCE TO THLD FROM 200 HAT: 0.54 NM. CHART VDP AT 1.59 MILES TO RW18R* *LNAV ONLY. WAAS CHANNEL # 69614 REFERENCE PATH ID: W18B CHART: ASR | | | | | | | | |
| ERXAV (IAF) | VIDKY (NOPT) (FB) | 267.16 / 6.00 | 3500 | | | | | | | | | |
| VIDKY (IF/IAF) | OYAVY (FB) | 177.09 / 6.30 | 2500 | | | | | | | | | |
| 1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD N VIDKY, RT, 177.09 INBOUND, 3500 FT. IN LIEU OF PT (IAF) 3. FAC: 177.08 FAF: OYAVY _____ DIST FAF TO MAP: 5.58 THLD: 5.58 4. MIN. ALT: VIDKY 3500, OYAVY 2500 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 2500 GS ALT AT: OYAVY 2500 _____ OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 59.5 34:1 IS NOT CLEAR 8. MSA FROM: _____ | | | | MAG VAR: 6E EPOCH YEAR: 1990 | | | | | | | | |
| MINIMUMS | | | | | | | | | | | | |
| TAKEOFF: _____ | STANDARD | X | SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: NA | STANDARD @ | | | | | | | |
| CATEGORY =====> | A | | B | | C | | D | | E | | | |
| | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA |
| LPV DA | 867 | 3/4 | 200 | 867 | 3/4 | 200 | 867 | 3/4 | 200 | 867 | 3/4 | 200 |
| LNAV/VNAV DA | 978 | 1 1/4 | 311 | 978 | 1 1/4 | 311 | 978 | 1 1/4 | 311 | 978 | 1 1/4 | 311 |
| LNAV MDA | 1160 | 1 | 493 | 1160 | 1 | 493 | 1160 | 1 1/4 | 493 | 1160 | 1 1/2 | 493 |
| CIRCLING | 1160 | 1 | 483 | 1160 | 1 | 483 | 1160 | 1 1/2 | 483 | 1300 | 2 | 623 |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| NOTES: CHART NOTE: CIRCLING NA FOR CAT E S OF RWY 8-26. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C (4F) OR ABOVE 47C (116F). CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT. | | | | | | | | | | | | |
| CITY AND STATE | | ELEVATION: 677 TDZE: 667 | | FACILITY IDENTIFIER: RNAV | | PROCEDURE NO./AMDT NO./EFFECTIVE DATE: | | SUP: RNAV (GPS) RWY 18R | | | | |
| TULSA, OK | | AIRPORT NAME: TULSA INTL | | | | RNAV (GPS) Y RWY 18R, AMDT 1A | | AMDT: 1 | | | | |
| | | | | | | 23 SEP 2010 | | DATED 08/27/2009 | | | | |

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

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TAA

| | FROM | TO | ALT |
|----|-------------------------|---------------------|------|
| 1. | 087/30 CW 267/30 (NOPT) | VIDKY (IF/IAF) (FB) | 3500 |
| 2. | 267/30 CW 357/30 | ERXAV (IAF) (FB) | 3600 |
| 3. | 357/30 CW 087/30 | COQXA (IAF) (FB) | 3500 |

CITY AND STATE

TULSA, OK

ELEVATION: 677 TDZE: 667

AIRPORT NAME:

TULSA INTL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) Y RWY 18R, AMDT 1A

23 SEP 2010

SUP: RNAV (GPS) RWY
18R

AMDT: 1

DATED: 08/27/2009

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

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

FAS DATA BLOCK INFORMATION

DATA FIELD

DATA

OPERATION TYPE 0
SBAS SERVICE PROVIDER IDENTIFIER 0
AIRPORT IDENTIFIER KTUL
RUNWAY RW18R
APPROACH PERFORMANCE DESIGNATOR 0
ROUTE INDICATOR Y
REFERENCE PATH DATA SELECTOR 0
REFERENCE PATH IDENTIFIER (APPROACH ID) W18B
LTP/FTP LATITUDE 361226.0000N
LTP/FTP LONGITUDE 0955356.7300W
LTP/FTP ELLIPSOIDAL HEIGHT +01644
FPAP LATITUDE 361125.7500N
FPAP LONGITUDE 0955400.7300W
THRESHOLD CROSSING HEIGHT (TCH) 00059.5
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

FF7760A5

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K4
LTP ORTHOMETRIC HEIGHT +01934
FPAP ORTHOMETRIC HEIGHT +01934

QUALITY
CHECKED

CITY AND STATE

TULSA, OK

ELEVATION: 677 TDZE: 667

AIRPORT NAME:

TULSA INTL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) Y RWY 18R, AMDT 1A

23 SEP 2010

SUP: RNAV (GPS) RWY
18R

AMDT: 1

DATED: 08/27/2009

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

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

QUALITY
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CHECKED

| | | | | |
|---------------------------------|--|-------------------------------------|--|----------------------------|
| CITY AND STATE TULSA, OK | ELEVATION: 677 TDZE: 667 AIRPORT NAME: TULSA INTL | FACILITY IDENTIFIER: RNAV | PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) Y RWY 18R, AMDT 1A 23 SEP 2010 | SUP: RNAV (GPS) RWY 18R |
| | | | | AMDT: 1 |
| | | | | DATED: 08/27/2009 |

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

QUALITY
A
CHECKED

| | |
|--------|-----------------------|
| SUP: | RNAV (GPS) RWY 18R |
| AMDT: | 1 |
| DATED: | 08/27/2009 |

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 |
|-------------|----------------------------|---------------------|----------|
| WIRDA (IAF) | VIDKY (TF) (FB) (RNP 1.00) | 112.58/15.34 | 3500 |
| MURNA (IAF) | VIDKY (TF) (FB) (RNP 1.00) | 210.71/11.94 | 3500 |
| VIDKY (IF) | OYAVY (TF) (FB) (RNP 0.50) | 177.09/6.30 | 2500 |
| OYAVY (FAF) | RW18R (TF) (FO) | 177.08/5.58 | |
| RW18R (MAP) | SUSNE (TF) (FO) (RNP 1.00) | 177.09/13.17 | 3800 |

MISSED APPROACH

MAP DA

CLIMB TO 3800 ON TRACK 177.09 TO SUSNE AND HOLD.

ADDITIONAL FLIGHT DATA:

HOLD S, RT, 357.08 INBOUND.
CHART FAS OBST: 640 POLE 361257N/0955421W
DISTANCE TO THLD FROM 303 HAT: 0.87 NM
ROUTE TYPE: A, R
ROUTE TYPE QUALIFIER 1: P
ROUTE TYPE QUALIFIER 2: S
#TCH 694 MSL (DO NOT CHART)
CHART ASR

- PT NA SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- PROFILE STARTS AT VIDKY
- FAC: 177.08 FAF: DIST FAF TO MAP: THLD:
- MIN. ALT: VIDKY 3500, OYAVY 2500
- DIST TO THLD FROM OM: 5.58 MM: IM: 150 HAT: 100 HAT: GS ANT:
- MIN GS INCPT: 2500 GS ALT AT: OYAVY 2500 OM: MM: IM:
- GS ANGLE: 3.00 TCH: 59.5# 34:1 IS NOT CLEAR
- MSA FROM: RW18R 3600

MAG VAR: 6E

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 |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |

SPECIAL AIRCRAFT AND AIRCREW AUTHORIZATION REQUIRED

| | | | | | | | | | | | | | | | |
|-------------|-----|-------|-----|-----|-------|-----|-----|-------|-----|-----|-------|-----|--|--|--|
| RNP 0.27 DA | 970 | 1 | 303 | 970 | 1 | 303 | 970 | 1 | 303 | 970 | 1 | 303 | | | |
| RNP 0.30 DA | 978 | 1 1/4 | 311 | 978 | 1 1/4 | 311 | 978 | 1 1/4 | 311 | 978 | 1 1/4 | 311 | | | |

NOTES: CHART NOTE: GPS REQUIRED. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -13C (7F) OR ABOVE 47C (118F). CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT MURNA VIA V131 NORTHBOUND AND FOR ARRIVALS AT WIRDA VIA V73-256 NORTHWEST BOUND. CHART PLANVIEW NOTE AT WIRDA AND MURNA: (RNP 0.50). CHART PROFILE NOTE: VGS1 AND RNAV GLIDEPATH NOT COINCIDENT.

QUALITY
6
CHECKED

| | | | | |
|----------------|--------------------------|---------------------------|---|------------|
| CITY AND STATE | ELEVATION: 677 TDZE: 667 | FACILITY IDENTIFIER: RNAV | PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: 23 SEP 2010 RNAV (RNP) Z RWY 18R, ORIG | SUP: |
| TULSA, OK | AIRPORT NAME: TULSA INTL | | | 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 | 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012 | | | | | | | | | | | | |
| SUSAEENRT | MURNA | K40 | C | L | N36335408W095441898 | | | E0033 | NAR | | MURNA | | |
| SUSAEENRT | OYAVY | K40 | W | | N36180107W095533446 | | | E0035 | NAR | | OYAVY | | |
| SUSAEENRT | SUSNE | K40 | W | | N35591558W095544920 | | | E0035 | NAR | | SUSNE | | |
| SUSAEENRT | VIDKY | K40 | W | | N36241876W095530929 | | | E0035 | NAR | | VIDKY | | |
| SUSAEENRT | WIRDA | K40 | C | L | N36314074W096095021 | | | E0036 | NAR | | WIRDA | | |

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 |
|---------|--|---|------------------------------------|---|---|---|-------------|------|---|------------|---|---|---|
| AIRPORT | 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012 | | | | | | | | | | | | |
| SUSAP | KTULK4ATUL | 0 | 099YHN36115420W095531720E006000677 | | | | 1800018000C | MNAR | | TULSA INTL | | | |

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 |
|---------|--|--------|------------------|--------|-------|---|----------|---------|----------|-------|-------------|----|----|
| SEGMENT | 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012 | | | | | | | | | | | | |
| SUSAP | KTULK4FR18RZ | AMURNA | 010MURNAK4EA0E | A | IF | | | | | 18000 | | A | PS |
| SUSAP | KTULK4FR18RZ | AMURNA | 020VIDKYK4EA0EE | B | 010TF | | 21070119 | + 03500 | | | | A | PS |
| SUSAP | KTULK4FR18RZ | AWIRDA | 010WIRDAK4EA0E | A | IF | | | | | 18000 | | A | PS |
| SUSAP | KTULK4FR18RZ | AWIRDA | 020VIDKYK4EA0EE | B | 010TF | | 11260153 | + 03500 | | | | A | PS |
| SUSAP | KTULK4FR18RZ | R | 010VIDKYK4EA0E | I | IF | | | | | 18000 | | A | PS |
| SUSAP | KTULK4FR18RZ | R | 020OYAVYK4EA1E | F | 051TF | | 17710063 | + 02500 | | | RW18R K4PGA | PS | |
| SUSAP | KTULK4FR18RZ | R | 020OYAVYK4EA2W | | | | | | A031A272 | | | PS | |
| SUSAP | KTULK4FR18RZ | R | 030RW18RK4PG0GY | M | 031TF | | 17710056 | 00694 | | -300 | | A | PS |
| SUSAP | KTULK4FR18RZ | R | 040SUSNEK4EA0EYM | 010TF | | | 17710132 | + 03800 | | | | A | PS |
| SUSAP | KTULK4FR18RZ | R | 050SUSNEK4EA0EE | R020HM | | | 35710040 | + 03800 | | | | A | PS |

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 |
|--------|--|------------|--------------------------|---|---|---|-----------------------|---|---|---|---|---|---|
| RUNWAY | 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012 | | | | | | | | | | | | |
| SUSAP | KTULK4GRW18R | 0061011771 | N36122600W095535673+0700 | | | | +0164400634000060150I | | | | | | |

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 |
|-------|--|---|-------------|---|---|---|---|---|---|---|---|---|---|
| MSA | 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012 | | | | | | | | | | | | |
| SUSAP | KTULK4SRW18RK4PG | 0 | 18018003625 | | | | | | | | | M | |

QUALITY
6
CHECKED

| | | | | | |
|------------------------------------|------------------------------------|------------------|---|---|-------------------|
| CITY AND STATE TULSA, OK | ELEVATION: 677 | TDZE: 634 | FACILITY IDENTIFIER: RNAV | PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (RNP) Z RWY 18R, ORIG 23 SEP 2010 | SUP: |
| | AIRPORT NAME: TULSA INTL | | | | AMDT: NONE |
| | | | | | DATED: |

RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.33

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

| TERMINAL ROUTES | | | | MISSED APPROACH | | | | | | | | | | | |
|---|----------------------------|--------------------------|--|---|----------|--|---------|-----|---------|---|-----|---------|---------|-----|---------|
| FROM | TO | COURSE AND DISTANCE | ALTITUDE | MAP DA | | | | | | | | | | | |
| CHEES (IAF) | JESON (TF) (FB) (RNP 1.00) | 216.34/14.57 | 3600 | CLIMB TO 3700 ON TRACK 263.43 TO HAGIL AND HOLD. | | | | | | | | | | | |
| OWETA (IAF) | JESON (TF) (FB) (RNP 1.00) | 329.11/8.56 | 3600 | | | | | | | | | | | | |
| JESON (IF) | MIROE (TF) (FB) (RNP 1.00) | 263.58/7.51 | 2300 | ADDITIONAL FLIGHT DATA: HOLD W, RT, 083.27 INBOUND. DISTANCE TO THLD FROM 286 HAT: 0.78NM ROUTE TYPE: A, R ROUTE TYPE QUALIFIER 1: P ROUTE TYPE QUALIFIER 2: S #TCH 690 MSL (DO NOT CHART) CHART ASR | | | | | | | | | | | |
| MIROE (FAF) | RW26 (TF) (FO) | 263.49/4.99 | | | | | | | | | | | | | |
| RW26 (MAP) | HAGIL (TF) (FO) (RNP 1.00) | 263.43/13.82 | 3700 | | | | | | | | | | | | |
| 1. PT <u>NA</u> SIDE OF COURSE <u>OUTBOUND</u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. PROFILE STARTS AT JESON 3. FAC: <u>263.49</u> FAF: <u> </u> DIST FAF TO MAP: <u> </u> THLD: <u> </u> 4. MIN. ALT: JESON 3600, MIROE 2300 5. DIST TO THLD FROM OM: <u>4.99</u> MM: <u> </u> IM: <u>150</u> HAT: <u>100</u> HAT: <u> </u> GS ANT: <u> </u> 6. MIN GS INCPT: <u>2300</u> GS ALT AT: MIROE 2300 OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u>3.00</u> TCH: <u>57.0# 34:1 IS CLEAR</u> 8. MSA FROM: RW26 3600 | | | | MAG VAR: 6E EPOCH YEAR: 1990 | | | | | | | | | | | |
| MINIMUMS | | | | | | | | | | | | | | | |
| TAKEOFF: | STANDARD | X | SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A | STANDARD | | | | | | | | | | |
| CATEGORY <u> </u> | A | | B | | C | | D | | E | | | | | | |
| | DH/ MDA | VIS | HAT/HAA | DH/ MDA | VIS | HAT/HAA | DH/ MDA | VIS | HAT/HAA | DH/ MDA | VIS | HAT/HAA | DH/ MDA | VIS | HAT/HAA |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| SPECIAL AIRCRAFT AND AIRCREW AUTHORIZATION REQUIRED | | | | | | | | | | | | | | | |
| RNP 0.30 DA | 937 | 1 | 286 | 937 | 1 | 286 | 937 | 1 | 286 | 937 | 1 | 286 | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| NOTES: CHART NOTE: GPS REQUIRED. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -13C (7F) OR ABOVE 47C (118F). CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT CHEES VIA Y14 NORTHEAST BOUND AND FOR ARRIVALS AT OWETA VIA V74 SOUTHEAST BOUND. | | | | | | | | | | | | | | | |
| CITY AND STATE | | ELEVATION: 677 TDZE: 651 | | FACILITY IDENTIFIER: RNAV | | PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: 23 SEP 2010 RNAV (RNP) Z RWY 26, ORIG | | | | SUP: <u> </u> AMDT: <u>NONE</u> DATE <u> </u> | | | | | |
| TULSA, OK | | TULSA INTL | | | | | | | | | | | | | |

QUALITY
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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 | 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012 | | | | | | | | | | | | |
| SUSAEENRT | CHEES K40 | C | L | N36223863W095245220 | | | | E0031 | NAR | | CHEES | | |
| SUSAEENRT | HAGIL K40 | W | | N36113487W096093120 | | | | E0036 | NAR | | HAGIL | | |
| SUSAEENRT | JESON K40 | W | | N36115073W095365993 | | | | E0033 | NAR | | JESON | | |
| SUSAEENRT | MIROE K40 | W | | N36114710W095461689 | | | | E0034 | NAR | | MIROE | | |
| SUSAEENRT | OWETA K40 | C | L | N36040416W095323281 | | | | E0032 | NAR | | OWETA | | |

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 |
|---------|--|---|---|------------------------------------|---|---|---|-------------|------|---|------------|---|---|
| AIRPORT | 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012 | | | | | | | | | | | | |
| SUSAP | KTULK4ATUL | 0 | | 099YHN36115420W095531720E006000677 | | | | 1800018000C | MNAR | | TULSA INTL | | |

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 |
|---------|--|-----|---------------|--------|-------|---|----------|------|---------|-------|------------|----|----|
| SEGMENT | 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012 | | | | | | | | | | | | |
| SUSAP | KTULK4FR26-Z ACHEES | 010 | CHEESK4EA0E | A | IF | | | | | 18000 | | A | PS |
| SUSAP | KTULK4FR26-Z ACHEES | 020 | JESONK4EA0EE | B | 010TF | | 21630146 | | + 03600 | | | A | PS |
| SUSAP | KTULK4FR26-Z AOWETA | 010 | OWETAK4EA0E | A | IF | | | | | 18000 | | A | PS |
| SUSAP | KTULK4FR26-Z AOWETA | 020 | JESONK4EA0EE | B | 010TF | | 32910086 | | + 03600 | | | A | PS |
| SUSAP | KTULK4FR26-Z R | 010 | JESONK4EA0E | I | IF | | | | | 18000 | | A | PS |
| SUSAP | KTULK4FR26-Z R | 020 | MIROEK4EA1E | F | 010TF | | 26360075 | | + 02300 | | RW26 K4PGA | PS | |
| SUSAP | KTULK4FR26-Z R | 020 | MIROEK4EA2W | | | | | A031 | | | | PS | |
| SUSAP | KTULK4FR26-Z R | 030 | RW26 K4PGOGY | M | 031TF | | 26350050 | | 00690 | | -300 | A | PS |
| SUSAP | KTULK4FR26-Z R | 040 | HAGILK4EA0EYM | 010TF | | | 26340137 | | + 03700 | | | A | PS |
| SUSAP | KTULK4FR26-Z R | 050 | HAGILK4EA0EE | R020HM | | | 08330040 | | + 03700 | | | A | PS |

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 |
|--------|--|------------|--------------------------|---|---|---|---|-----------------------|---|---|---|---|---|
| RUNWAY | 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012 | | | | | | | | | | | | |
| SUSAP | KTULK4GRW26 | 0073762634 | N36114428W095522653+0500 | | | | | +0164000633000057150R | | | | | |

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 |
|-------|--|---|-------------|---|---|---|---|---|---|---|---|---|---|
| MSA | 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012 | | | | | | | | | | | | |
| SUSAP | KTULK4SRW26 K4PG | 0 | 18018003625 | | | | | | | | | M | |

QUALITY
6
CHECKED

| | | | | | |
|------------------------------------|------------------------------------|------------------|---|--|-------------------|
| CITY AND STATE TULSA, OK | ELEVATION: 677 | TDZE: 651 | FACILITY IDENTIFIER: RNAV | PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (RNP) Z RWY 26, ORIG 23 SEP 2010 | SUP: |
| | AIRPORT NAME: TULSA INTL | | | | AMDT: NONE |
| | | | | | DATED: |

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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

(1) TAKEOFF MINIMUMS:

RWY 08, 18L, 18R, 26, 36L, 36R STANDARD.

(2) TEXTUAL DEPARTURE PROCEDURE:

RWY 26 – CLIMB ON A HEADING BETWEEN 289 CW TO 083 FROM DEPARTURE END OF RUNWAY, OR MINIMUM CLIMB OF 222 FT PER NM TO 2900 FOR HEADINGS 084 THROUGH 288.

(3) TAKEOFF OBSTACLE NOTES:

NOTE: RWY 18R, VEHICLE ON ROAD 200 FT FROM DER, 419 FT RIGHT OF CENTERLINE, 15 FT AGL/687 FT MSL. ANT ON BLDG 549 FT FROM DER, 447 FT LEFT OF CENTERLINE, 22 FT AGL/692 FT MSL. BLDG 411 FT FROM DER, 574 FT RIGHT OF CENTERLINE, 39 FT AGL/699 FT MSL. SIGN 1151 FT FROM DER, 757 FT RIGHT OF CENTERLINE, 46 FT AGL/720 FT MSL. BLDG 2847 FT FROM DER, 690 FT RIGHT OF CENTERLINE, 118 FT AGL/788 FT MSL. NOTE: RWY 26, ANTENNA AND BLDG 1031 FT FROM DER, 745 FT LEFT OF CENTERLINE, UP TO 53 FT AGL/708 FT MSL. TREE 1544 FT FROM DER, 425 FT LEFT OF CENTERLINE, 53 FT AGL/713 FT MSL. NOTE: RWY 36L, TREES 726 FT FROM DER, 608 FT RIGHT OF CENTERLINE, 69 FT AGL/659 FT MSL. TREES 822 FT FROM DER, 596 FT LEFT OF CENTERLINE, 82 FT AGL/672 FT MSL.

(4) CONTROLLING OBSTACLES:

RWY 26: 2296 FT MSL TOWER 361146.49N/0960552.96W

OBSTACLES MANDATING ODP SECTOR DEVELOPMENT: RWY 26 – 1152 FT MSL TOWER 361018.00N/0955721.00W, 1152 FT MSL TOWER 361010.00N/0955711.00W.

(5) City, State

TULSA, OK

(6) Airport

TULSA INTL

(7) Effective Date

23 SEP 2010

(8) Amdt. No.

1

| | | | | | | | | | | | | | | | | | |
|--|-----------------------|---|----------|--|-----|-----------------|--------|-------------------------------|---------|--------|-----|---|--------|-----|---------|-------|--|
| ILS - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.29 | | | | Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR. | | | | | | | | | | | | | |
| TERMINAL ROUTES | | | | MISSED APPROACH | | | | | | | | | | | | | |
| FROM | TO | COURSE AND DISTANCE | ALTITUDE | ILS: DA LOC: I-ADE 1.15 DME FIX CLIMB TO 5200 ON HEADING 163 AND EUG VORTAC R-152 TO SAGIN/EUG 16.00 DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 5200, OR AS DIRECTED BY ATC. ALTERNATE MA: CLIMB TO 900 THEN CLIMBING RIGHT TURN TO 4000 ON HEADING 341 AND CVO VOR/DME R-161 TO CVO VOR/DME AND HOLD. ADDITIONAL FLIGHT DATA: HOLD SE, RT, 332.04 INBOUND. CHART FAS OBST: 440 TREE 440827N/1231202W CHART 483 TOWER 441152N/1231221W. CHART (ZIGTA) AT INTERSECTION OF SHEDD DR LEG AND INTERMEDIATE COURSE. CHART IN PLANVIEW: CVO VOR/DME. CHART PLANVIEW NOTE: DME REQUIRED. CHART IN PLANVIEW: ALTERNATE MA HOLDING SE CVO VOR/DME, RT, 334 INBOUND. | | | | | | | | | | | | | |
| CVO VOR/DME (IAF) | FIPMA/I-ADE 16.15 DME | 133.77 / 7.94 | 3600 | | | | | | | | | | | | | | |
| SHEDD INT/EUG 22.07 DME (IAF) | FIPMA/I-ADE 16.15 DME | 228.00 / 5.67 (HDG) & 163.39 / 3.12 (I-ADE) | 3600 | | | | | | | | | | | | | | |
| FIPMA/I-ADE 16.15 DME (IF) | ZUNAX/I-ADE 6.08 DME | 163.39 / 10.07 (I-ADE) | 2000 | | | | | | | | | | | | | | |
| 1. PT <u>NA</u> SIDE OF COURSE <u>OUTBOUND</u> <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. PROFILE STARTS AT FIPMA/I-ADE 16.15 DME 3. FAC: <u>163.39</u> FAF: <u>ZUNAX/I-ADE 6.08 DME</u> DIST FAF TO MAP: <u> </u> THLD: <u>4.93</u> 4. MIN. ALT: <u>FIPMA 3600, ZUNAX 2000, HULTA/Z.45 DME 820*</u> 5. DIST TO THLD FROM OM: <u> </u> MM: <u> </u> IM: <u> </u> 150 HAT: <u> </u> 100 HAT: <u> </u> GS ANT: <u>961</u> 6. MIN GS INCPT: <u>2000</u> GS ALT AT: <u>ZUNAX/6.08 DME 2000</u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u>3.00</u> TCH: <u>45.9</u> 8. MSA FROM: <u>EUG VORTAC 190-280 4600, 280-190 5300</u> | | | | 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 16L | 569 | 1/2 | 200 | 569 | 1/2 | 200 | 569 | 1/2 | 200 | 569 | 1/2 | 200 | | | | | |
| S-LOC 16L | 700 | 1/2 | 331 | 700 | 1/2 | 331 | 700 | 1/2 | 331 | 700 | 3/4 | 331 | | | | | |
| CIRCLING | 800 | 1 | 426 | 840 | 1 | 466 | 840 | 1 1/2 | 466 | 940 | 2 | 566 | | | | | |
| | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| NOTES: CHART NOTE: FOR INOPERATIVE MALSR, INCREASE S-LOC 16L CAT D VISIBILITY TO 1 MILE. CHART NOTE: DME REQUIRED. CHART PROFILE NOTE: USE I-ADE DME WHEN ON THE LOCALIZER COURSE. CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT. (SEE FORM 8260-10) | | | | | | | | | | | | | | | | | |
| CITY AND STATE EUGENE, OR | | | | ELEVATION: 374 TDZE: 369 AIRPORT NAME: MAHLON SWEET FIELD | | | | FACILITY IDENTIFIER: I-ADE | | | | PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC/DME RWY 16L, AMDT 1 23 SEP 2010 | | | | SUP: | |
| | | | | | | | | | | | | | | | | AMDT: | |
| | | | | | | | | | | | | | | | | DATED | |
| | | | | | | | | | | | | 10/23/2008 | | | | | |

ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.29

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NOTES CONT.

*LOC ONLY

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON CVO VOR/DME AIRWAY RADIALS 081 CW 177.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT SHEDD ON V23 NORTHBOUND.

QUALITY
3
CHECKED

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|------------------------------|---|----------------------------------|---|-------------------|
| CITY AND STATE EUGENE, OR | ELEVATION: 374 TDZE: 369 AIRPORT NAME: MAHLON SWEET FIELD | FACILITY IDENTIFIER: I-ADE | PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC/DME RWY 16L, AMDT 1 23 SEP 2010 | SUP: |
| | | | | AMDT: ORIG-A |
| | | | | DATED: 10/23/2008 |

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 |
|-------------------|-------------------|---------------------|----------|
| CVO VOR/DME (IAF) | FIPMA (NOPT) (FB) | 135.77 / 7.94 | 3600 |
| SHEDD (IAF) | FIPMA (NOPT) (FB) | 206.42 / 7.54 | 3600 |
| FIPMA (IF/IAF) | ZUNAX (FB) | 163.40 / 10.07 | 2000 |

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW16L

CLIMB TO 5200 DIRECT WELID AND ON 158.88 TRACK TO SAGIN AND HOLD, CONTINUE CLIMB-IN-HOLD TO 5200.

ADDITIONAL FLIGHT DATA:

HOLD SE, RT, 336.04 INBOUND.
CHART FAS OBST: 464 TREE 440801N/1231126W
FAS OBST: 464 TREE 440838N/1231122W
FAS OBST: 539 AAO 441119N/1231156W
CHART 560 TOWER 441236N/1231056W.
DISTANCE TO THLD FROM 200 HAT: 0.50 NM.
WAAS CHANNEL # 81827
REFERENCE PATH ID: W16A

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- HOLD N FIPMA, LT, 163.40 INBOUND, 3600 FT. IN LIEU OF PT (IAF)
- FAC: 163.39 FAF: ZUNAX DIST FAF TO MAP: 4.93 THLD: 4.93
- MIN. ALT: FIPMA 3600, ZUNAX 2000, HULTA/1.30 NM TO RW16L 820*
- DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
- MIN GS INCPT: 2000 GS ALT AT: ZUNAX 2000 OM: MM: IM:
- GS ANGLE: 3.00 TCH: 45.9 34:1 IS CLEAR
- MSA FROM: RW16L 5400

MAG VAR: 16E

EPOCH YEAR: 2010

MINIMUMS

| | | | | | | | | | | | | | | | | |
|-----------------|--|----------|-----|--|--------|-----|----------------|--------|-------|----------|--------|-----|---------|--------|-----|---------|
| TAKEOFF: | | STANDARD | X | SEE FAA FORM 8260-15A FOR THIS AIRPORT | | | ALTERNATE: N A | | | STANDARD | | | | | | |
| CATEGORY =====> | | A | | | B | | | C | | | D | | | E | | |
| | | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA |
| LPV DA | | 569 | 1/2 | 200 | 569 | 1/2 | 200 | 569 | 1/2 | 200 | 569 | 1/2 | 200 | | | |
| LNAV/VNAV DA | | 762 | 1 | 393 | 762 | 1 | 393 | 762 | 1 | 393 | 762 | 1 | 393 | | | |
| LNAV MDA | | 720 | 1/2 | 351 | 720 | 1/2 | 351 | 720 | 1/2 | 351 | 720 | 1 | 351 | | | |
| | | | | | | | | | | | | | | | | |
| CIRCLING | | 800 | 1 | 426 | 840 | 1 | 466 | 840 | 1 1/2 | 466 | 940 | 2 | 566 | | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |

NOTES:

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

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 48C (118F).

CHART NOTE: DME/DME RNP-0.3 NA.

CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.

SEE 8260-10

| | | | | |
|----------------------------------|---|---------------------------------|---|--|
| CITY AND STATE EUGENE, OR | ELEVATION: 374 TDZE: 369 AIRPORT NAME: MAHLON SWEET FIELD | FACILITY IDENTIFIER: RNAV | PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 16L, AMDT 1 23 SEP 2010 | SUP: AMDT: ORIG-A DATED 09/01/2005 |
|----------------------------------|---|---------------------------------|---|--|

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

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

NOTES CONT.

*LNAV ONLY

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON CVO VOR/DME AIRWAY RADIALS 081 CW 177.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT SHEDD ON V23 NORTHBOUND.

QUALITY
3
CHECKED

| | | | | |
|------------------------------|---|---------------------------------|---|---|
| CITY AND STATE EUGENE, OR | ELEVATION: 374 TDZE: 369 AIRPORT NAME: MAHLON SWEET FIELD | FACILITY IDENTIFIER: RNAV | PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 16L, AMDT 1 23 SEP 2010 | SUP: AMDT: ORIG-A DATED: 09/01/2005 |
|------------------------------|---|---------------------------------|---|---|

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

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FAS DATA BLOCK INFORMATIONDATA FIELD

OPERATION TYPE
SBAS SERVICE PROVIDER IDENTIFIER
AIRPORT IDENTIFIER
RUNWAY
APPROACH PERFORMANCE DESIGNATOR
ROUTE INDICATOR
REFERENCE PATH DATA SELECTOR
REFERENCE PATH IDENTIFIER (APPROACH ID)
LTP/FTP LATITUDE
LTP/FTP LONGITUDE
LTP/FTP ELLIPSOIDAL HEIGHT
FPAP LATITUDE
FPAP LONGITUDE
THRESHOLD CROSSING HEIGHT (TCH)
TCH UNITS SELECTOR (METERS OR FEET USED)
GLIDEPATH ANGLE (GPA)
COURSE WIDTH AT THRESHOLD
LENGTH OFFSET
HORIZONTAL ALERT LIMIT (HAL)
VERTICAL ALERT LIMIT (VAL)

DATA

0
0
KEUG
RW16L
0
0
W16A
440758.7050N
1231209.8270W
+00877
440859.4200N
1231208.9500W
00045.9
F
03.00
106.75
0000
40.0
35.0

CRC REMAINDER

7C13AE6A

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE
LTP ORTHOMETRIC HEIGHT
FPAP ORTHOMETRIC HEIGHT

K1
+01108
+01108



CITY AND STATE

EUGENE, OR

ELEVATION: 374 TDZE: 369

AIRPORT NAME:

MAHLON SWEET FIELD

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 16L, AMDT 1

23 SEP 2010

SUP:

AMDT: ORIG-A

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

[illegible][illegible][illegible]

| SEGMENT | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 |
|-------------------|--------|--------------------|-----|--------|------------|-------|----------|---|------------|-------|-------------|----|----|
| SUSAP KEUGK1FR16L | ACVO | 010CVO | K1D | OV | A | IF | | | | 18000 | | A | JS |
| SUSAP KEUGK1FR16L | ACVO | 020FIPMAK1EA0EE | B | 010TF | | | 13580079 | + | 03600 | | | A | JS |
| SUSAP KEUGK1FR16L | AFIPMA | 010FIPMAK1EA0EE | AL | HF | | | 16340040 | + | 03600 | 18000 | | A | JS |
| SUSAP KEUGK1FR16L | ASHEDD | 010SHEDDK1EA0E | A | IF | | | | | | 18000 | | A | JS |
| SUSAP KEUGK1FR16L | ASHEDD | 020FIPMAK1EA0EE | B | 010TF | | | 20640075 | + | 03600 | | | A | JS |
| SUSAP KEUGK1FR16L | R | 010FIPMAK1EA0E | I | IF | | | | + | 03600 | 18000 | | A | JS |
| SUSAP KEUGK1FR16L | R | 020ZUNAXK1EA1E | F | 051TF | | | 16340101 | + | 02000 | | RW16L K1PGA | JS | |
| SUSAP KEUGK1FR16L | R | 020ZUNAXK1EA2WALPV | | | ALNAV/VNAV | ALNAV | | | | | | JS | |
| SUSAP KEUGK1FR16L | R | 021HULTAK1EA0E | S | 031TF | | | 16340036 | V | 0082000825 | -300 | | A | JS |
| SUSAP KEUGK1FR16L | R | 030RW16LK1PGOGY | M | 031TF | | | 16340013 | | 00409 | -300 | | A | JS |
| SUSAP KEUGK1FR16L | R | 040 | 0 | M | 010CA | | 1634 | + | 00569 | | | A | JS |
| SUSAP KEUGK1FR16L | R | 050WELIDK1EA0E | | 010DF | | | | | | | | A | JS |
| SUSAP KEUGK1FR16L | R | 060SAGINK1EA0EY | | 010TF | | | 1589 | + | 05200 | | | A | JS |
| SUSAP KEUGK1FR16L | R | 070SAGINK1EA0EE | | R020HM | | | 33600050 | + | 05200 | | | A | JS |

QUALITY
A
CHECKED

| | | | | |
|----------------------------------|--|-------------------------------------|---|------------------------|
| CITY AND STATE EUGENE, OR | ELEVATION: 374 TDZE: 369 AIRPORT NAME: MAHLON SWEET FIELD | FACILITY IDENTIFIER: RNAV | PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 16L, AMDT 1 23 SEP 2010 | SUP: |
| | | | | AMDT: ORIG-A |
| | | | | DATED: 09/01/2005 |

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

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

| | | | | | | | | | | | | | |
|------------------------|--|---|-----------------------|---|---|---|---|---|---|---|---|---|---|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 |
| RUNWAY | 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012 | | | | | | | | | | | | |
| ----- | | | | | | | | | | | | | |
| SUSAP KEUGK1GRW16L | 0060001634 | N44075871W123120983+0200 | +0087700363000046150I | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 |
| PP | 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012 | | | | | | | | | | | | |
| ----- | | | | | | | | | | | | | |
| SUSAP KEUGK1PR16L | RW16L001 | 0000W16A0N4407587050W12312098270+008770300N4406594200W12312089500106750000000459F4003507C13AE6A | | | | | | | | | | | |
| SUSAP KEUGK1PR16L | RW16L002E | +01108+01108LPV | 81827 | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 |
| MSA | 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012 | | | | | | | | | | | | |
| ----- | | | | | | | | | | | | | |
| SUSAP KEUGK1SRW16LK1PG | 0 | 18018005425 | M | | | | | | | | | | |

QUALITY
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CHECKED

| | | | | |
|-------------------------------------|--|-------------------------------------|---|--------------------------|
| CITY AND STATE EUGENE, OR | ELEVATION: 374 TDZE: 369 AIRPORT NAME: MAHLON SWEET FIELD | FACILITY IDENTIFIER: RNAV | PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 16L, AMDT 1 23 SEP 2010 | SUP: |
| | | | | AMDT: ORIG-A |
| | | | | DATED: 09/01/2005 |

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

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

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| TERMINAL ROUTES | | | | MISSED APPROACH |
|-----------------|-------------------|---------------------|----------|--|
| FROM | TO | COURSE AND DISTANCE | ALTITUDE | |
| AYOSO (IAF) | EKOYE (NOPT) (FB) | 232.60 / 5.00 | 3600 | LPV: DA LNAV/VNAV: DA LNAV: RW14 CLIMB TO 3600 DIRECT CUXOM AND HOLD. ADDITIONAL FLIGHT DATA: HOLD SE, RT, 322.80 INBOUND. CHART FAS OBST: 1819 TREE 415639N/0794038W CHART FAS OBST: 1756 TREE 415447N/0793846W 1989 AAO 415658N/0794158W CHART JAMESTOWN AWOS-3 DISTANCE TO THLD FROM 308 HAT: 1.00 NM. WAAS CHANNEL # 66019 REFERENCE PATH ID: W14A |
| DUDAY (IAF) | EKOYE (NOPT) (FB) | 052.50 / 5.00 | 3600 | |
| EKOYE (IF/IAF) | BUSYA (FB) | 142.55 / 6.10 | 3400 | |

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- HOLD NW EKOYE, LT, 142.55 INBOUND, 3600 FT. IN LIEU OF PT (IAF)
- FAC: 142.61 FAF: BUSYA DIST FAF TO MAP: 5.15 THLD: 5.15
- MIN. ALT: EKOYE 3600, BUSYA 3400, GOLEC/3.00 NM TO RW14 2700*
- DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
- MIN GS INCPT: 3400 GS ALT AT: BUSYA 3400 OM: MM: IM:
- GS ANGLE: 3.00 TCH: 40.0 34:1 IS NOT CLEAR
- MSA FROM:

MAG VAR: 10W

EPOCH YEAR: 2005

MINIMUMS

| | | | | | | | | | | | | | | | | |
|-----------------|--------|----------|---------|--|-------|---------|----------------|-------|---------|--------|-----|---------|--------|-----|---------|--|
| TAKEOFF: | | STANDARD | X | SEE FAA FORM 8260-15A FOR THIS AIRPORT | | | ALTERNATE: N A | | X | | | | | | | |
| CATEGORY =====> | | A | | | B | | | C | | | D | | | E | | |
| | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | |
| LPV DA | 2054 | 1 1/4 | 308 | 2054 | 1 1/4 | 308 | 2054 | 1 1/4 | 308 | | NA | | | | | |
| LNAV/VNAV DA | 2084 | 1 1/2 | 338 | 2084 | 1 1/2 | 338 | 2084 | 1 1/2 | 338 | | NA | | | | | |
| LNAV MDA | 2140 | 1 | 394 | 2140 | 1 | 394 | 2140 | 1 | 394 | | NA | | | | | |
| | | | | | | | | | | | | | | | | |
| CIRCLING | 2340 | 1 | 574 | 2380 | 1 | 614 | 2380 | 1 3/4 | 614 | | NA | | | | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |

NOTES:
 CHART NOTE: BARO-VNAV NA.
 CHART NOTE: DME/DME RNP-0.3 NA.
 CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
 *LNAV ONLY
 SEE 8260-10

QUALITY
5
CHECKED

| | | | | |
|---------------------------------|---|---------------------------------|--|--|
| CITY AND STATE Corry, PA | ELEVATION: 1766 TDZE: 1746 AIRPORT NAME: Corry-Lawrence | FACILITY IDENTIFIER: RNAV | PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 14, AMDT 1 23 SEP 2010 | SUP: AMDT: ORIG DATED 12/25/2003 |
|---------------------------------|---|---------------------------------|--|--|

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

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

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

NOTES CONT.

CHART NOTE: USE JAMESTOWN NY ALTIMETER SETTING, WHEN NOT RECEIVED USE MEADVILLE ALTIMETER SETTING AND INCREASE ALL DA 65 FEET AND ALL MDA 80 FEET; INCREASE LPV ALL CATS, LNAV CAT C AND CIRCLING CAT C VISIBILITY 1/4 MILE.

TAA

| | FROM | TO | ALT |
|----|------------------|---------------------|------|
| 1. | 053/30 CW 233/30 | EKOYE (IF/IAF) (FO) | 4000 |
| 2. | 233/30 CW 323/30 | AYOSO (IAF) (FB) | 4000 |
| 3. | 323/30 CW 053/30 | DUDAY (IAF) (FB) | 4000 |

QUALITY
6
CHECKED

CITY AND STATE

CORY, PA

ELEVATION: 1766 TDZE: 1746

AIRPORT NAME:

CORY-LAWRENCE

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 14, AMDT 1

23 SEP 2010

SUP:

AMDT: ORIG

DATED: 12/25/2003

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

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

FAS DATA BLOCK INFORMATION

| <u>DATA FIELD</u> | <u>DATA</u> |
|--|---------------|
| OPERATION TYPE | 0 |
| SBAS SERVICE PROVIDER IDENTIFIER | 0 |
| AIRPORT IDENTIFIER | 8G2 |
| RUNWAY | RW14 |
| APPROACH PERFORMANCE DESIGNATOR | 0 |
| ROUTE INDICATOR | |
| REFERENCE PATH DATA SELECTOR | 0 |
| REFERENCE PATH IDENTIFIER (APPROACH ID) | W14A |
| LTP/FTP LATITUDE | 415440.9345N |
| LTP/FTP LONGITUDE | 0793847.7035W |
| LTP/FTP ELLIPSOIDAL HEIGHT | +04835 |
| FPAP LATITUDE | 415340.5000N |
| FPAP LONGITUDE | 0793719.9800W |
| THRESHOLD CROSSING HEIGHT (TCH) | 00040.0 |
| TCH UNITS SELECTOR (METERS OR FEET USED) | F |
| GLIDEPATH ANGLE (GPA) | 03.00 |
| COURSE WIDTH AT THRESHOLD | 106.75 |
| LENGTH OFFSET | 1504 |
| HORIZONTAL ALERT LIMIT (HAL) | 40.0 |
| VERTICAL ALERT LIMIT (VAL) | 50.0 |

CRC REMAINDER

BDBE801E

ADDITIONAL PATH POINT RECORD INFORMATION

| | |
|-------------------------|--------|
| ICAO CODE | K8 |
| LTP ORTHOMETRIC HEIGHT | +05172 |
| FPAP ORTHOMETRIC HEIGHT | +05172 |

QUALITY
5
CHECKED

CITY AND STATE

CORRY, PA

ELEVATION: 1766 TDZE: 1746

AIRPORT NAME:

CORRY-LAWRENCE

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 14, AMDT 1

23 SEP 2010

SUP:

AMDT: ORIG

DATED: 12/25/2003

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

[illegible][illegible]

| SEGMENT | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 |
|------------------|--------|--------------------|--------|---------|------------|----------|---|--------------|---|-------|---|------|---|
| SUSAP 8G2 K6FR14 | AAYOSO | 010AYOSOK6EA0E | A | IF | | | | | | 18000 | | A JS | |
| SUSAP 8G2 K6FR14 | AAYOSO | 020EKOYEK6EA0EE | B | 010TF | | 23260050 | | + 03600 | | | | A JS | |
| SUSAP 8G2 K6FR14 | ADUDAY | 010DUDAYK6EA0E | A | IF | | | | | | 18000 | | A JS | |
| SUSAP 8G2 K6FR14 | ADUDAY | 020EKOYEK6EA0EE | B | 010TF | | 05250050 | | + 03600 | | | | A JS | |
| SUSAP 8G2 K6FR14 | AEKOYE | 010EKOYEK6EA0EE | AL | HF | | 14260040 | | + 03600 | | 18000 | | A JS | |
| SUSAP 8G2 K6FR14 | R | 010EKOYEK6EA0E | I | IF | | | | + 03600 | | 18000 | | A JS | |
| SUSAP 8G2 K6FR14 | R | 020BUSYAK6EA1E | F | 051TF | | 14260061 | | + 03400 | | | | A JS | |
| SUSAP 8G2 K6FR14 | R | 020BUSYAK6EA2WALPV | | | ALNAV/VNAV | ALNAV | | | | | | JS | |
| SUSAP 8G2 K6FR14 | R | 021GOLECK6EA0E | S | 031TF | | 14260022 | | V 0270002701 | | -300 | | A JS | |
| SUSAP 8G2 K6FR14 | R | 030RW14 K6PGOGY | M | 031TF | | 14260030 | | 01737 | | -300 | | A JS | |
| SUSAP 8G2 K6FR14 | R | 040 | 0 | M 010CA | | 1426 | | + 02054 | | | | A JS | |
| SUSAP 8G2 K6FR14 | R | 050CUXOMK6EA0EY | 010DF | | | | | + 03600 | | | | A JS | |
| SUSAP 8G2 K6FR14 | R | 060CUXOMK6EA0EE | R020HM | | | 32280040 | | + 03600 | | | | A JS | |

[illegible]

QUALITY
A
CHECKED

| | | | | |
|---------------------------------|---|-------------------------------------|---|-------------------|
| CITY AND STATE Corry, PA | ELEVATION: 1766 TDZE: 1746 AIRPORT NAME: Corry-Lawrence | FACILITY IDENTIFIER: RNAV | PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 14, AMDT 1 23 SEP 2010 | SUP: |
| | | | | AMDT: ORIG |
| | | | | DATED: 12/25/2003 |

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

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

SUSAP 8G2 K6PR14 RW14 001 0000W14A0N4154409345W07938477035+048350300N4153405000W07937199800106751504000400F400500BDBE801E
SUSAP 8G2 K6PR14 RW14 002E +05172+05172LPV 66019

QUALITY
CHECKED

CITY AND STATE
CORY, PA

ELEVATION: 1766 TDZE: 1746
AIRPORT NAME:
CORY-LAWRENCE

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 14, AMDT 1
23 SEP 2010

SUP:
AMDT: ORIG
DATED: 12/25/2003

| | | | | | | | | | | | | | | | |
|---|-------------------|---------------------|--|--|-----|----------------------|--------|--|---------|--------|-----|------------------|--------|-----|---------|
| RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE FAR PART 97.33 | | | | Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR. | | | | | | | | | | | |
| TERMINAL ROUTES | | | | MISSED APPROACH | | | | | | | | | | | |
| FROM | TO | COURSE AND DISTANCE | ALTITUDE | LPV: DA LNAV/VNAV: DA LNAV: RW32 CLIMB TO 3600 DIRECT EKOYE AND HOLD. ADDITIONAL FLIGHT DATA: HOLD NW, LT, 142.55 INBOUND. CHART FAS OBST: 1949 TREE 415309N/0793748W FAS OBST: 2019 AAO 415226N/0793347W CHART JAMESTOWN AWOS-3 DISTANCE TO THLD FROM 308 HAT: 0.84 NM. WAAS CHANNEL # 70719 REFERENCE PATH ID: W32A | | | | | | | | | | | |
| FABAM (IAF) | CUXOM (NOPT) (FB) | 052.75 / 5.00 | 3600 | | | | | | | | | | | | |
| DECAB (IAF) | CUXOM (NOPT) (FB) | 232.85 / 5.00 | 3600 | | | | | | | | | | | | |
| CUXOM (IF/IAF) | ACAVU (FB) | 322.80 / 6.10 | 3400 | | | | | | | | | | | | |
| 1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD SE CUXOM, RT, 322.80 INBOUND, 3600 FT. IN LIEU OF PT (IAF) 3. FAC: 322.73 FAF: ACAVU DIST FAF TO MAP: 4.94 THLD: 4.94 4. MIN. ALT: CUXOM 3600, ACAVU 3400 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 3400 GS ALT AT: ACAVU 3400 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 40.0 34:1 IS NOT CLEAR 8. MSA FROM: _____ | | | | MAG VAR: 10W EPOCH YEAR: 2005 | | | | | | | | | | | |
| MINIMUMS | | | | | | | | | | | | | | | |
| TAKEOFF: | STANDARD | X | SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A | X | | | | | | | | | | |
| CATEGORY =====> | A | | B | | C | | D | | E | | | | | | |
| | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA |
| LPV DA | 2074 | 1 | 308 | 2074 | 1 | 308 | 2074 | 1 | 308 | | NA | | | | |
| LNAV/VNAV DA | 2324 | 2 | 558 | 2324 | 2 | 558 | 2324 | 2 | 558 | | NA | | | | |
| LNAV MDA | 2340 | 1 | 574 | 2340 | 1 | 574 | 2340 | 1 1/2 | 574 | | NA | | | | |
| CIRCLING | 2340 | 1 | 574 | 2380 | 1 | 614 | 2380 | 1 3/4 | 614 | | NA | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| NOTES: CHART NOTE: BARO-VNAV NA. CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART NOTE: USE JAMESTOWN NY ALTIMETER SETTING, WHEN NOT RECEIVED USE MEADVILLE ALTIMETER SETTING SEE 8260-10 | | | | | | | | | | | | | | | |
| CITY AND STATE | | | | ELEVATION: 1766 TDZE: 1766 | | FACILITY IDENTIFIER: | | PROCEDURE NO./AMDT NO./EFFECTIVE DATE: | | | | SUP: | | | |
| Corry, PA | | | | AIRPORT NAME: Corry-Lawrence | | RNAV | | RNAV (GPS) RWY 32, AMDT 1 23 SEP 2010 | | | | AMDT: ORIG | | | |
| | | | | | | | | | | | | DATED 12/25/2003 | | | |

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

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

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

NOTES CONT.

AND INCREASE ALL DA 65 FEET AND ALL MDA 80 FEET; INCREASE LPV ALL CATS, LNAV/VNAV ALL CATS, LNAV CAT C AND CIRCLING CAT C VISIBILITY 1/4 MILE.

TAA

| | FROM | TO | ALT |
|----|------------------|---------------------|------|
| 1. | 233/30 CW 053/30 | CUXOM (IF/IAF) (FO) | 4000 |
| 2. | 053/30 CW 143/30 | FABAM (IAF) (FB) | 4000 |
| 3. | 143/30 CW 233/30 | DECAB (IAF) (FB) | 4100 |

QUALITY
6
CHECKED

CITY AND STATE

CORY, PA

ELEVATION: 1766 TDZE: 1766

AIRPORT NAME:

CORY-LAWRENCE

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 32, AMDT 1

23 SEP 2010

SUP:

AMDT: ORIG

DATED: 12/25/2003

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

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

FAS DATA BLOCK INFORMATION

DATA FIELD

DATA

| | |
|--|---------------|
| OPERATION TYPE | 0 |
| SBAS SERVICE PROVIDER IDENTIFIER | 0 |
| AIRPORT IDENTIFIER | 8G2 |
| RUNWAY | RW32 |
| APPROACH PERFORMANCE DESIGNATOR | 0 |
| ROUTE INDICATOR | |
| REFERENCE PATH DATA SELECTOR | 0 |
| REFERENCE PATH IDENTIFIER (APPROACH ID) | W32A |
| LTP/FTP LATITUDE | 415413.4760N |
| LTP/FTP LONGITUDE | 0793807.8405W |
| LTP/FTP ELLIPSOIDAL HEIGHT | +05046 |
| FPAP LATITUDE | 415513.9000N |
| FPAP LONGITUDE | 0793935.5800W |
| THRESHOLD CROSSING HEIGHT (TCH) | 00040.0 |
| TCH UNITS SELECTOR (METERS OR FEET USED) | F |
| GLIDEPATH ANGLE (GPA) | 03.00 |
| COURSE WIDTH AT THRESHOLD | 106.75 |
| LENGTH OFFSET | 1504 |
| HORIZONTAL ALERT LIMIT (HAL) | 40.0 |
| VERTICAL ALERT LIMIT (VAL) | 50.0 |

CRC REMAINDER

4F47013E

ADDITIONAL PATH POINT RECORD INFORMATION

| | |
|-------------------------|--------|
| ICAO CODE | K6 |
| LTP ORTHOMETRIC HEIGHT | +05382 |
| FPAP ORTHOMETRIC HEIGHT | +05382 |

QUALITY
6
CHECKED

| | | | | |
|-----------------------------|---|---------------------------------|--|-------------------|
| CITY AND STATE Corry, PA | ELEVATION: 1766 TDZE: 1766 AIRPORT NAME: Corry-Lawrence | FACILITY IDENTIFIER: RNAV | PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 32, AMDT 1 23 SEP 2010 | SUP: |
| | | | | AMDT: ORIG |
| | | | | DATED: 12/25/2003 |

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

[illegible][illegible]

| SEGMENT | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 |
|------------------|--------|--------------------|----|--------|------------|-------|----------|---|-------|-------|---|---|----|
| SUSAP 8G2 K6FR32 | ACUXOM | 010CUXOMK6EA0EE | AR | HF | | | 32280040 | + | 03600 | 18000 | | A | JS |
| SUSAP 8G2 K6FR32 | ADECAB | 010DECABK6EA0E | A | IF | | | | | | 18000 | | A | JS |
| SUSAP 8G2 K6FR32 | ADECAB | 020CUXOMK6EA0EE | B | 010TF | | | 23290050 | + | 03600 | | | A | JS |
| SUSAP 8G2 K6FR32 | AFABAM | 010FABAMK6EA0E | A | IF | | | | | | 18000 | | A | JS |
| SUSAP 8G2 K6FR32 | AFABAM | 020CUXOMK6EA0EE | B | 010TF | | | 05280050 | + | 03600 | | | A | JS |
| SUSAP 8G2 K6FR32 | R | 010CUXOMK6EA0E | I | IF | | | | + | 03600 | 18000 | | A | JS |
| SUSAP 8G2 K6FR32 | R | 020ACAVUK6EA1E | F | 051TF | | | 32280061 | + | 03400 | | | A | JS |
| SUSAP 8G2 K6FR32 | R | 020ACAVUK6EA2WALPV | | | ALNAV/VNAV | ALNAV | | | | | | | JS |
| SUSAP 8G2 K6FR32 | R | 030RW32 K6PGOGY | M | 031TF | | | 32270049 | | 01806 | -300 | | A | JS |
| SUSAP 8G2 K6FR32 | R | 040 | 0 | M | 010CA | | 3227 | + | 02074 | | | A | JS |
| SUSAP 8G2 K6FR32 | R | 050EKOEK6EA0EY | | 010DF | | | | | 03600 | | | A | JS |
| SUSAP 8G2 K6FR32 | R | 060EKOEK6EA0EE | | L020HM | | | 14260040 | + | 03600 | | | A | JS |

[illegible][illegible]

QUALITY
CHECKED

| | |
|--------|------------|
| SUP: | |
| AMDT: | ORIG |
| DATED: | 12/25/2003 |

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

[illegible]

QUALITY
4
CHECKED

| | | | | |
|---------------------------------|--|-------------------------------------|---|-----------------------|
| CITY AND STATE CORRY, PA | ELEVATION: 1766 TDZE: 1766 AIRPORT NAME: CORRY-LAWRENCE | FACILITY IDENTIFIER: RNAV | PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: | SUP: |
| | | | RNAV (GPS) RWY 32, AMDT 1 | AMDT: ORIG |
| | | | 23 SEP 2010 | DATED: 12/25/2003 |

| | | | | | | | | | | | | | | | |
|--|-------------------|---------------------|----------|---|-------|----------------------|--------|--|---------|--------|-------|------------------|--------|-----|---------|
| RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE FAR PART 97.33 | | | | Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR. | | | | | | | | | | | |
| TERMINAL ROUTES | | | | MISSED APPROACH | | | | | | | | | | | |
| FROM | TO | COURSE AND DISTANCE | ALTITUDE | LPV: DA LNAV/VNAV: DA LNAV: RW11 CLIMB TO 4000 DIRECT ETSIW AND HOLD. ADDITIONAL FLIGHT DATA: HOLD E, RT, 290.04 INBOUND. CHART FAS OBST: 1839 TREE 404203N/0762317W FAS OBST: 1939 AAO 404221N/0762730W DISTANCE TO THLD FROM 200 HAT: 0.50 NM. CHART VDP AT 1.35 MILES TO RW11* *LNAV ONLY. WAAS CHANNEL # 61214 REFERENCE PATH ID: W11A | | | | | | | | | | | |
| ODDUB (IAF) | IRCIT (NOPT) (FB) | 199.72 / 5.00 | 4000 | | | | | | | | | | | | |
| LIXCA (IAF) | IRCIT (NOPT) (FB) | 019.70 / 5.00 | 4000 | | | | | | | | | | | | |
| IRCIT (IF/IAF) | EHPUZ (FB) | 109.71 / 6.09 | 3400 | | | | | | | | | | | | |
| 1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD W IRCIT, RT, 109.71 INBOUND, 4000 FT. IN LIEU OF PT (IAF) 3. FAC: 109.80 FAF: EHPUZ DIST FAF TO MAP: 5.05 THLD: 5.05 4. MIN. ALT: IRCIT 4000, EHPUZ 3400 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 3400 GS ALT AT: EHPUZ 3400 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 40.0 34:1 IS CLEAR 8. MSA FROM: _____ | | | | MAG VAR: 12W EPOCH YEAR: 2000 | | | | | | | | | | | |
| MINIMUMS | | | | | | | | | | | | | | | |
| TAKEOFF: <input type="checkbox"/> STANDARD <input checked="" type="checkbox"/> SEE FAA FORM 8260-15A FOR THIS AIRPORT ALTERNATE: N A <input type="checkbox"/> X <input type="checkbox"/> | | | | | | | | | | | | | | | |
| 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 | 1929 | 3/4 | 200 | 1929 | 3/4 | 200 | 1929 | 3/4 | 200 | 1929 | 3/4 | 200 | | | |
| LNAV/VNAV DA | 2109 | 1 1/4 | 380 | 2109 | 1 1/4 | 380 | 2109 | 1 1/4 | 380 | 2109 | 1 1/4 | 380 | | | |
| LNAV MDA | 2200 | 1 | 471 | 2200 | 1 | 471 | 2200 | 1 1/4 | 471 | 2200 | 1 1/2 | 471 | | | |
| CIRCLING | 2200 | 1 | 471 | 2200 | 1 | 471 | 2200 | 1 1/2 | 471 | 2280 | 2 | 551 | | | |
| | | | | | | | | | | | | | | | |
| NOTES: CHART NOTE: BARO-VNAV NA WHEN USING SELINGSGROVE ALTIMETER SETTING. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -18C (0F) OR ABOVE 45C (113F). CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE SELINGSGROVE ALTIMETER SETTING AND SEE 8260-10 | | | | | | | | | | | | | | | |
| CITY AND STATE | | | | ELEVATION: 1729 TDZE: 1729 | | FACILITY IDENTIFIER: | | PROCEDURE NO./AMDT NO./EFFECTIVE DATE: | | | | SUP: | | | |
| POTTSVILLE, PA | | | | AIRPORT NAME: | | RNAV | | RNAV (GPS) RWY 11, AMDT 2 23 SEP 2010 | | | | AMDT: 1 | | | |
| | | | | SCHUYLKILL COUNTY/JOE ZERBEY | | | | | | | | DATED 08/27/2009 | | | |

QUALITY
CHECKED

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

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

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

NOTES CONT.

INCREASE ALL DA 261 FT AND ALL MDA 280 FT. INCREASE LPV AND LNAV/VNAV ALL CATS VISIBILITY 1 MILE, INCREASE LNAV CAT B 1/4 MILE AND CAT C AND CAT D 1 MILE, AND INCREASE CIRCLING CAT B 1/4 MILE AND CAT C AND CAT D 3/4 MILE.

CHART NOTE: VDP NA WHEN USING SELINGSGROVE ALTIMETER SETTING.

TAA

| | FROM | TO | ALT |
|----|-------------------------|---------------------|------|
| 1. | 020/30 CW 200/30 (NOPT) | IRCIT (IF/IAF) (FB) | 4000 |
| 2. | 200/30 CW 290/30 | ODDUB (IAF) (FB) | 4400 |
| 3. | 290/30 CW 020/30 | LIXCA (IAF) (FB) | 4000 |

QUALITY
CHECKED

CITY AND STATE

POTTSVILLE, PA

ELEVATION: 1729 TDZE: 1729

AIRPORT NAME:

SCHUYLKILL COUNTY/JOE ZERBEY

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 11, AMDT 2

23 SEP 2010

SUP:

AMDT: 1

DATED: 08/27/2009

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

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FAS DATA BLOCK INFORMATION

| <u>DATA FIELD</u> | <u>DATA</u> |
|--|---------------|
| OPERATION TYPE | 0 |
| SBAS SERVICE PROVIDER IDENTIFIER | 0 |
| AIRPORT IDENTIFIER | KZER |
| RUNWAY | RW11 |
| APPROACH PERFORMANCE DESIGNATOR | 0 |
| ROUTE INDICATOR | 0 |
| REFERENCE PATH DATA SELECTOR | W11A |
| REFERENCE PATH IDENTIFIER (APPROACH ID) | 404223.1515N |
| LTP/FTP LATITUDE | 0762301.2890W |
| LTP/FTP LONGITUDE | +04937 |
| LTP/FTP ELLIPSOIDAL HEIGHT | 404210.9300N |
| FPAP LATITUDE | 0762105.2400W |
| FPAP LONGITUDE | 00040.0 |
| THRESHOLD CROSSING HEIGHT (TCH) | F |
| TCH UNITS SELECTOR (METERS OR FEET USED) | 03.00 |
| GLIDEPATH ANGLE (GPA) | 106.75 |
| COURSE WIDTH AT THRESHOLD | 1352 |
| LENGTH OFFSET | 40.0 |
| HORIZONTAL ALERT LIMIT (HAL) | 35.0 |
| VERTICAL ALERT LIMIT (VAL) | |

CRC REMAINDER 149B4366

ADDITIONAL PATH POINT RECORD INFORMATION

| | |
|-------------------------|--------|
| ICAO CODE | K6 |
| LTP ORTHOMETRIC HEIGHT | +05271 |
| FPAP ORTHOMETRIC HEIGHT | +05271 |

QUALITY
4
CHECKED

CITY AND STATE
POTTSVILLE, PA

ELEVATION: 1729 TDZE: 1729
AIRPORT NAME:
SCHUYLKILL COUNTY/JOE ZERBEY

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 11, AMDT 2
23 SEP 2010

SUP:
AMDT: 1
DATED: 08/27/2009

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

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

ARINC PACKET - 424-18 - RNAV (GPS)[illegible]

| | | | | | | | |
|-----------|-------|-----|---|---------------------|-------|-----|-------|
| SUSAEENRT | EHPUZ | K60 | W | N40430447W076293599 | W0116 | NAR | EHPUZ |
| SUSAEENRT | ETSIW | K60 | W | N40404613W076074989 | W0118 | NAR | ETSIW |
| SUSAEENRT | IRCIT | K60 | W | N40435382W076373223 | W0115 | NAR | IRCIT |
| SUSAEENRT | LIXCA | K60 | W | N40385634W076382511 | W0115 | NAR | LIXCA |
| SUSAEENRT | ODDUB | K60 | W | N40485129W076363922 | W0116 | NAR | ODDUB |

[illegible]

SUSAP KZERK6AZER 0 045YHN40422330W076222330W012001729 1800018000C MNAR SCHUYLKILL COUNTY/JOE ZERBEY

[illegible]

| | | | | | | | | | | | | |
|-------|------------|--------|--------------------|---------|------------------|----------|---|-------|-------|------|---|----|
| SUSAP | KZERK6FR11 | AIRCIT | 010IRCITK6EA0EE | AR | HF | 10970040 | + | 04000 | 18000 | | A | JS |
| SUSAP | KZERK6FR11 | ALIXCA | 010LIXCAK6EA0E | A | IF | | | | 18000 | | A | JS |
| SUSAP | KZERK6FR11 | ALIXCA | 020IRCITK6EA0EE | B | 010TF | 01970050 | + | 04000 | | | A | JS |
| SUSAP | KZERK6FR11 | AODDUB | 010ODDUBK6EA0E | A | IF | | | | 18000 | | A | JS |
| SUSAP | KZERK6FR11 | AODDUB | 020IRCITK6EA0EE | B | 010TF | 19970050 | + | 04000 | | | A | JS |
| SUSAP | KZERK6FR11 | R | 010IRCITK6EA0E | I | IF | | + | 04000 | 18000 | | A | JS |
| SUSAP | KZERK6FR11 | R | 020EHPUZK6EA1E | F | 051TF | 10970061 | + | 03400 | | | A | JS |
| SUSAP | KZERK6FR11 | R | 020EHPUZK6EA2WALPV | | ALNAV/VNAV ALNAV | | | | | | | JS |
| SUSAP | KZERK6FR11 | R | 030RW11 | K6PGOGY | M 031TF | 10980051 | | 01769 | | -300 | A | JS |
| SUSAP | KZERK6FR11 | R | 040 | | 0 M 010CA | 1098 | + | 01929 | | | A | JS |
| SUSAP | KZERK6FR11 | R | 050ETSIWK6EA0EY | | 010DF | | + | 04000 | | | A | JS |
| SUSAP | KZERK6FR11 | R | 060ETSIWK6EA0EE | | R020HM | 29000040 | + | 04000 | | | A | JS |

[illegible]

SUSAP KZERK6GRW11 0045991099 N40422315W076230129-0500 +0493701729000040075R

[illegible]

SUSAP KZERK6PR11 RW11 001 0000W11A0N4042231515W07623012890+049370300N4042109300W07621052400106751352000400F400350149B4366

CITY AND STATE
POTTSVILLE, PA

ELEVATION: 1729 TDZE: 1729
AIRPORT NAME:
SCHUYLKILL COUNTY/JOE ZERBEY

**FACILITY
IDENTIFIER:
RNAV**

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 11, AMDT 2
23 SEP 2010

| | |
|--------|------------|
| SUP: | |
| AMDT: | 1 |
| DATED: | 08/27/2009 |

| | |
|---|---|
| <p>U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION</p> <p>RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE</p> <p>FLIGHT STANDARDS SERVICE - FAR PART 97.33</p> | <p>Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.</p> |
|---|---|

| | |
|---|---|
| <p>U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION</p> <p>RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE</p> <p>FLIGHT STANDARDS SERVICE - FAR PART 97.33</p> | <p>Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.</p> |
|---|---|

[illegible]

QUALITY
CHECKED

| | | | | |
|--------------------------------------|--|-------------------------------------|---|--|
| CITY AND STATE POTTSVILLE, PA | ELEVATION: 1729 TDZE: 1729 AIRPORT NAME: SCHUYLKILL COUNTY/JOE ZERBEY | FACILITY IDENTIFIER: RNAV | PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 11, AMDT 2 23 SEP 2010 | SUP: |
| | | | | AMDT: 1 |
| | | | | DATED: 08/27/2009 |

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

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

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

| TERMINAL ROUTES | | | | MISSED APPROACH | | | | | | | | | | | |
|---|-------------------|---------------------|----------|---|-------|------------------------------|--------|--|---------|--------|-------|-------------------------------------|--------|-----|---------|
| FROM | TO | COURSE AND DISTANCE | ALTITUDE | | | | | | | | | | | | |
| KEVMY (IAF) | ETSIW (NOPT) (FB) | 020.03 / 5.00 | 4000 | LPV: DA LNAV/VNAV: DA LNAV: RW29 CLIMB TO 4000 DIRECT IRCIT AND HOLD. ADDITIONAL FLIGHT DATA: HOLD W, RT, 109.71 INBOUND. CHART FAS OBST: 1859 TOWER 404242N/0762052W DISTANCE TO THLD FROM 200 HAT: 0.56 NM. CHART VDP AT 1.17 MILES TO RW29* *LNAV ONLY. WAAS CHANNEL # 63014 REFERENCE PATH ID: W29A | | | | | | | | | | | |
| IGCAS (IAF) | ETSIW (NOPT) (FB) | 200.05 / 5.00 | 4000 | | | | | | | | | | | | |
| ETSIW (IF/IAF) | IDWUN (FB) | 290.04 / 6.10 | 3300 | | | | | | | | | | | | |
| 1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. <u>HOLD E</u> ETSIW, RT, 290.04 INBOUND, 4000 FT. IN LIEU OF PT (IAF) 3. FAC: <u>289.96</u> FAF: <u>IDWUN</u> DIST FAF TO MAP: <u>4.81</u> THLD: <u>4.81</u> 4. MIN. ALT: <u>ETSIW 4000, IDWUN 3300</u> 5. DIST TO THLD FROM OM: <u> </u> MM: <u> </u> IM: <u> </u> 150 HAT: <u> </u> 100 HAT: <u> </u> GS ANT: <u> </u> 6. MIN GS INCPT: <u>3300</u> GS ALT AT: <u>IDWUN 3300</u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u>3.00</u> TCH: <u>40.0</u> <u>34:1 IS CLEAR</u> 8. MSA FROM: <u> </u> | | | | MAG VAR: <u>12W</u> EPOCH YEAR: <u>2000</u> | | | | | | | | | | | |
| MINIMUMS | | | | | | | | | | | | | | | |
| TAKEOFF: <input type="checkbox"/> STANDARD <input checked="" type="checkbox"/> SEE FAA FORM 8260-15A FOR THIS AIRPORT ALTERNATE: N A <input checked="" type="checkbox"/> | | | | | | | | | | | | | | | |
| 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 | 1924 | 3/4 | 200 | 1924 | 3/4 | 200 | 1924 | 3/4 | 200 | 1924 | 3/4 | 200 | | | |
| LNAV/VNAV DA | 2144 | 1 1/2 | 420 | 2144 | 1 1/2 | 420 | 2144 | 1 1/2 | 420 | 2144 | 1 1/2 | 420 | | | |
| LNAV MDA | 2120 | 1 | 396 | 2120 | 1 | 396 | 2120 | 1 | 396 | 2120 | 1 1/4 | 396 | | | |
| CIRCLING | 2160 | 1 | 431 | 2180 | 1 | 451 | 2180 | 1 1/2 | 451 | 2280 | 2 | 551 | | | |
| | | | | | | | | | | | | | | | |
| NOTES: CHART NOTE: BARO-VNAV NA WHEN USING SELINGSGROVE ALTIMETER SETTING. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -18C (0F) OR ABOVE 45C (113F). CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: VDP NA WHEN USING SELINGSGROVE ALTIMETER SETTING. SEE 8260-10 | | | | | | | | | | | | | | | |
| CITY AND STATE POTTSVILLE, PA | | | | ELEVATION: 1729 TDZE: 1724 AIRPORT NAME: SCHUYLKILL COUNTY/JOE ZERBEY | | FACILITY IDENTIFIER: RNAV | | PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 29, AMDT 2 23 SEP 2010 | | | | SUP: AMDT: 1 DATED 08/27/2009 | | | |

QUALITY
CHECKED

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

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NOTES CONT.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE SELINGSGROVE ALTIMETER SETTING AND INCREASE ALL DA 261 FT AND ALL MDA 280 FT. INCREASE LPV AND LNAV/VNAV ALL CATS AND LNAV CAT C AND CAT D VISIBILITY 1 MILE AND INCREASE CIRCLING CAT C 1/2 MILE AND CAT D 3/4 MILE.

TAA

| | <u>FROM</u> | <u>TO</u> | <u>ALT</u> |
|----|-------------------------|---------------------|------------|
| 1. | 200/30 CW 020/30 (NOPT) | ETSIW (IF/IAF) (FB) | 4000 |
| 2. | 020/30 CW 110/30 | KEVMY (IAF) (FB) | 4000 |
| 3. | 110/30 CW 200/30 | IGCAS (IAF) (FB) | 4000 |

QUALITY
CHECKED

CITY AND STATE

POTTSVILLE, PA

ELEVATION: 1729 TDZE: 1724

AIRPORT NAME:

SCHUYLKILL COUNTY/JOE ZERBEY

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 29, AMDT 2

23 SEP 2010

SUP:

AMDT:

1

DATED:

08/27/2009

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

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FAS DATA BLOCK INFORMATION

DATA FIELD

DATA

OPERATION TYPE
SBAS SERVICE PROVIDER IDENTIFIER
AIRPORT IDENTIFIER
RUNWAY
APPROACH PERFORMANCE DESIGNATOR
ROUTE INDICATOR
REFERENCE PATH DATA SELECTOR
REFERENCE PATH IDENTIFIER (APPROACH ID)
LTP/FTP LATITUDE
LTP/FTP LONGITUDE
LTP/FTP ELLIPSOIDAL HEIGHT
FPAP LATITUDE
FPAP LONGITUDE
THRESHOLD CROSSING HEIGHT (TCH)
TCH UNITS SELECTOR (METERS OR FEET USED)
GLIDEPATH ANGLE (GPA)
COURSE WIDTH AT THRESHOLD
LENGTH OFFSET
HORIZONTAL ALERT LIMIT (HAL)
VERTICAL ALERT LIMIT (VAL)

0
0
KZER
RW29
0
0
W29A
404216.9210N
0762202.1400W
+04867
404229.1400N
0762358.1900W
00040.0
F
03.00
108.75
1352
40.0
35.0

CRC REMAINDER

6CBDF2C5

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE
LTP ORTHOMETRIC HEIGHT
FPAP ORTHOMETRIC HEIGHT

K6
+05201
+05201

QUALITY
CHECKED

CITY AND STATE
POTTSVILLE, PA

ELEVATION: 1729 TDZE: 1724
AIRPORT NAME:
SCHUYLKILL COUNTY/JOE ZERBEY

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 29, AMDT 2
23 SEP 2010

SUP:
AMDT: 1
DATED: 08/27/2009

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

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ARINC PACKET - 424-18 - RNAV (GPS)[illegible][illegible]

| SEGMENT | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 |
|------------------|--------|--------------------|---------|-------|------------|----------|---|-------|---|-------|---|----|----|
| SUSAP KZERK6FR29 | AETSIW | 010ETSIWK6EA0EE | AR | HF | | 29000040 | + | 04000 | | 18000 | | A | JS |
| SUSAP KZERK6FR29 | AIGCAS | 010IGCASK6EA0E | A | IF | | | | | | 18000 | | A | JS |
| SUSAP KZERK6FR29 | AIGCAS | 020ETSIWK6EA0EE | B | 010TF | | 20010050 | + | 04000 | | | | A | JS |
| SUSAP KZERK6FR29 | AKEVMY | 010KEVMYK6EA0E | A | IF | | | | | | 18000 | | A | JS |
| SUSAP KZERK6FR29 | AKEVMY | 020ETSIWK6EA0EE | B | 010TF | | 02000050 | + | 04000 | | | | A | JS |
| SUSAP KZERK6FR29 | R | 010ETSIWK6EA0E | I | IF | | | | | | 18000 | | A | JS |
| SUSAP KZERK6FR29 | R | 020IDWUNK6EA1E | F | 051TF | | 29000061 | + | 03300 | | | | A | JS |
| SUSAP KZERK6FR29 | R | 020IDWUNK6EA2WALPV | | | ALNAV/VNAV | ALNAV | | | | | | JS | |
| SUSAP KZERK6FR29 | R | 030RW29 | K6PG0GY | M | 031TF | 29000048 | | 01747 | | -300 | | A | JS |
| SUSAP KZERK6FR29 | R | 040 | | M | 010CA | 2900 | + | 01924 | | | | A | JS |
| SUSAP KZERK6FR29 | R | 050IRCITK6EA0EY | | 010DF | | | + | 04000 | | | | A | JS |
| SUSAP KZERK6FR29 | R | 060IRCITK6EA0EE | | R02HM | | 10970040 | + | 04000 | | | | A | JS |

[illegible][illegible]

QUALITY
A
CHECKED

CITY AND STATE
POTTSVILLE, PA

ELEVATION: 1729 TDZE: 1724
AIRPORT NAME:
SCHUYLKILL COUNTY/JOE ZERBEY

FACILITY IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 29, AMDT 2
23 SEP 2010

| | |
|--------|------------|
| SUP: | |
| AMDT: | 1 |
| DATED: | 08/27/2009 |

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SUSAP KZERK6PR29 RW29 002E +05201+05201LPV 63014

QUALITY
A
CHECKED

| | |
|--------|------------|
| SUP: | |
| AMDT: | 1 |
| DATED: | 08/27/2009 |

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

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

TERMINAL ROUTES

| FROM | TO | COURSE AND DISTANCE | ALTITUDE |
|------------|---------|---------------------|----------|
| SPA VORTAC | DCM NDB | 114.30 / 38.79 | 2500 |
| RICHE INT | DCM NDB | 302.58 / 11.67 | 2300 |

MISSED APPROACH

MAP: DCM NDB

CLIMBING LEFT TURN TO 2300 IN DCM NDB HOLDING PATTERN.

ADDITIONAL FLIGHT DATA:

HOLD S, LT, 340.00 INBOUND.
 CHART FAS OBST: 937 TOWER 343819N/0810833W
 FAC CROSSES RWY C/L EXTENDED 2858 FROM THLD.

1. PT R SIDE OF COURSE 160.00 OUTBOUND 2300 FT WITHIN 10 MILES OF DCM NDB (IAF)
 2. _____
 3. FAC 340.00 FAF _____ DIST FAF TO MAP _____ THLD _____
 4. MIN. ALT _____
 8. MSA FROM: DCM NDB 2900

MAG VAR: 6W

EPOCH YEAR: 2000

MINIMUMS

| TAKEOFF: | STANDARD | X | SEE FAA FORM 8260-15A FOR THIS AIRPORT | | | | | | ALTERNATE: N A | STANDARD @ | | | | | |
|----------|----------|-----|--|------|-----|---------|------|-----|----------------|------------|-------|---------|-----|-----|---------|
| CATEGORY | A | | | B | | | C | | | D | | | E | | |
| | MDA | VIS | HAT/HAA | MDA | VIS | HAT/HAA | MDA | VIS | HAT/HAA | MDA | VIS | HAT/HAA | MDA | VIS | HAT/HAA |
| S-35 | 1340 | 1 | 692 | 1340 | 1 | 692 | 1340 | 2 | 692 | 1340 | 2 1/4 | 692 | | | |
| CIRCLING | 1340 | 1 | 683 | 1340 | 1 | 683 | 1340 | 2 | 683 | 1340 | 2 1/4 | 683 | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |

NOTES:

CHART NOTE: CIRCLING TO RWY 5/23 NA AT NIGHT.
 CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
 CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ROCK HILL ALTIMETER SETTING AND INCREASE ALL MDA 40 FEET.

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

QUALITY
 9
 CHECKED

| | | | | |
|-------------------------------|---|-----------------------------|---|----------------------------------|
| CITY AND STATE CHESTER, SC | ELEVATION: 657 TDZE: 648 AIRPORT NAME: CHESTER CATAWBA RGNL | FACILITY IDENTIFIER: DCM | PROCEDURE NO./AMDT NO./EFFECTIVE DATE: NDB RWY 35, AMDT 2 23 SEP 2010 | SUP AMDT 1 DATE 01/15/2009 |
|-------------------------------|---|-----------------------------|---|----------------------------------|

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

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

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| TERMINAL ROUTES | | | | MISSED APPROACH | | | |
|-----------------|-------------------|---------------------|----------|--|--|--|--|
| FROM | TO | COURSE AND DISTANCE | ALTITUDE | | | | |
| CIBOB | HUPNI (FB) | 277.42 / 8.88 | 3000 | LPV: DA LNAV/VNAV: DA LNAV: RW17 CLIMB TO 3000 DIRECT HUSNY AND HOLD. | | | |
| EHAXY (IAF) | SUNYO (NOPT) (FB) | 083.92 / 8.28 | 3000 | | | | |
| HUPNI (IAF) | SUNYO (NOPT) (FB) | 264.07 / 5.00 | 3000 | ADDITIONAL FLIGHT DATA: HOLD S, RT, 354.07 INBOUND. CHART FAS OBST: 800 POWER LINE 344945N/0811230W CHART FAS OBST: 736 TREE 344803N/0811220W DISTANCE TO THLD FROM 250 HAT: 0.68 NM. CHART VDP AT 1.12 MILES TO RW17* *LNAV ONLY. WAAS CHANNEL # 93818 REFERENCE PATH ID: W17A | | | |
| SUNYO (IF/IAF) | IYDAD (FB) | 174.01 / 6.02 | 2300 | | | | |

| | |
|--|----------------------------------|
| 1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) | |
| 2. HOLD N SUNYO, RT, 174.01 INBOUND, 3000 FT. IN LIEU OF PT (IAF) | |
| 3. FAC: 174.03 FAF: IYDAD | DIST FAF TO MAP: 4.98 THLD: 4.98 |
| 4. MIN. ALT: SUNYO 3000, IYDAD 2300, CIXUV/2.50 NM TO RW17 1480* | |
| 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ | |
| 6. MIN GS INCPT: 2300 GS ALT AT: IYDAD 2300 OM: _____ MM: _____ IM: _____ | |
| 7. GS ANGLE: 3.00 TCH: 34.0 34:1 IS NOT CLEAR | |
| 8. MSA FROM: RW17 2900 | |

| 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 | 907 | 1 | 250 | 907 | 1 | 250 | 907 | 1 | 250 | 907 | 1 | 250 | | | |
| LNAV/VNAV DA | 1134 | 1 3/4 | 477 | 1134 | 1 3/4 | 477 | 1134 | 1 3/4 | 477 | 1134 | 1 3/4 | 477 | | | |
| LNAV MDA | 1060 | 1 | 403 | 1060 | 1 | 403 | 1060 | 1 1/4 | 403 | 1060 | 1 1/4 | 403 | | | |
| CIRCLING | 1160 | 1 | 503 | 1160 | 1 | 503 | 1160 | 1 1/2 | 503 | 1220 | 2 | 563 | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |

NOTES:
 CHART NOTE: CIRCLING TO RWY 5/23 NA AT NIGHT.
 CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C (4F) OR ABOVE 47C (116F).
 CHART NOTE: DME/DME RNP-0.3 NA.
 CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
 SEE 8260-10

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

| | | | | |
|-----------------------------------|---|------------------------------|--|--|
| CITY AND STATE CHESTER, SC | ELEVATION: 657 TDZE: 657 AIRPORT NAME: CHESTER CATAWBA RGNL | FACILITY IDENTIFIER: RNAV | PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 17, AMDT 1 23 SEP 2010 | SUP: AMDT: ORIG DATED 11/20/2008 |
|-----------------------------------|---|------------------------------|--|--|

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

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NOTES CONT.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ROCK HILL ALTIMETER SETTING AND INCREASE ALL DA 33 FEET AND ALL MDA 40 FEET AND LNAV CAT D VISIBILITY 1/4 MILE.

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

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT EHXY ON V415 WESTBOUND.

QUALITY
4
CHECKED

CITY AND STATE

CHESTER, SC

ELEVATION: 657

TDZE: 657

AIRPORT NAME:

CHESTER CATAWBA RGNL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 17, AMDT 1

23 SEP 2010

SUP:

AMDT: ORIG

DATED: 11/20/2008

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

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FAS DATA BLOCK INFORMATIONDATA FIELDDATA

OPERATION TYPE 0
SBAS SERVICE PROVIDER IDENTIFIER 0
AIRPORT IDENTIFIER KDCM
RUNWAY RW17
APPROACH PERFORMANCE DESIGNATOR 0
ROUTE INDICATOR
REFERENCE PATH DATA SELECTOR 0
REFERENCE PATH IDENTIFIER (APPROACH ID) W17A
LTP/FTP LATITUDE 344749.0735N
LTP/FTP LONGITUDE 0811201.4245W
LTP/FTP ELLIPSOIDAL HEIGHT +01694
FPAP LATITUDE 344621.7600N
FPAP LONGITUDE 0811139.0100W
THRESHOLD CROSSING HEIGHT (TCH) 00034.0
TCH UNITS SELECTOR (METERS OR FEET USED) F
GLIDEPATH ANGLE (GPA) 03.00
COURSE WIDTH AT THRESHOLD 106.75
LENGTH OFFSET 1224
HORIZONTAL ALERT LIMIT (HAL) 40.0
VERTICAL ALERT LIMIT (VAL) 50.0

CRC REMAINDER

AAF5F95A

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K7
LTP ORTHOMETRIC HEIGHT +02001
FPAP ORTHOMETRIC HEIGHT +02001

CITY AND STATE

CHESTER, SC

ELEVATION: 657 TDZE: 657

AIRPORT NAME:

CHESTER CATAWBA RGNL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 17, AMDT 1

23 SEP 2010

SUP:

AMDT: ORIG

DATED: 11/20/2008

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

[illegible][illegible]

| SEGMENT | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 |
|------------------|--------|--------------------|-----------|------------|-------|----------|---|------------|-------|------|------------|------|---|
| SUSAP KDCMK7FR17 | ACIBOB | 010CIBOBK7EA0E | IF | | | | | | 18000 | | | A JS | G |
| SUSAP KDCMK7FR17 | ACIBOB | 020HUPNIK7EA0E | A 020TF | | | 27740089 | + | 03000 | | | | A JS | G |
| SUSAP KDCMK7FR17 | ACIBOB | 030SUNYOK7EA0EE | B 010TF | | | 26410050 | + | 03000 | | | | A JS | G |
| SUSAP KDCMK7FR17 | AEHAXY | 010EHAXYK7EA0E | A IF | | | | | | 18000 | | | A JS | G |
| SUSAP KDCMK7FR17 | AEHAXY | 020SUNYOK7EA0EE | B 010TF | | | 08390083 | + | 03000 | | | | A JS | G |
| SUSAP KDCMK7FR17 | ASUNYO | 010SUNYOK7EA0EE | AR HF | | | 17400040 | + | 03000 | 18000 | | | A JS | G |
| SUSAP KDCMK7FR17 | R | 010SUNYOK7EA0E | I IF | | | | + | 03000 | 18000 | | | A JS | G |
| SUSAP KDCMK7FR17 | R | 020IYDADK7EA1E | F 051TF | | | 17400060 | + | 02300 | | | RW17 K7PGA | JS | G |
| SUSAP KDCMK7FR17 | R | 020IYDADK7EA2WALPV | | ALNAV/VNAV | ALNAV | | | | | | | JS | G |
| SUSAP KDCMK7FR17 | R | 021CIXUVK7EA0E | S 031TF | | | 17400025 | V | 0148001493 | | -300 | | A JS | G |
| SUSAP KDCMK7FR17 | R | 030RW17 K7PGOGY | M 031TF | | | 17400025 | | 00691 | | -300 | | A JS | G |
| SUSAP KDCMK7FR17 | R | 040 | 0 M 010CA | | | 1740 | + | 00907 | | | | A JS | G |
| SUSAP KDCMK7FR17 | R | 050HUSNYK7EA0EY | 010DF | | | | + | 03000 | | | | A JS | G |
| SUSAP KDCMK7FR17 | R | 060HUSNYK7EA0EE | R020HM | | | 35410040 | + | 03000 | | | | A JS | G |

[illegible]

| | | | | |
|-----------------------------------|--|-------------------------------------|--|------------------------|
| CITY AND STATE CHESTER, SC | ELEVATION: 657 TDZE: 657 AIRPORT NAME: CHESTER CATAWBA RGNL | FACILITY IDENTIFIER: RNAV | PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 17, AMDT 1 23 SEP 2010 | SUP: |
| | | | | AMDT: ORIG |
| | | | | DATED: 11/20/2008 |

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.

QUALITY

| | | | | | |
|---|-------------------|---|--|--|------------|
| US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION | | RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE FAR PART 97.33 | | Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR. | |
| TERMINAL ROUTES | | | | MISSED APPROACH | |
| FROM | TO | COURSE AND DISTANCE | ALTITUDE | LPV: DA LNAV/VNAV: DA LNAV: RW35 CLIMB TO 3000 DIRECT SUNYO AND HOLD. ADDITIONAL FLIGHT DATA: HOLD N, RT, 174.01 INBOUND. CHART FAS OBST: 717 TREE 344619N/0811128W CHART FAS OBST: 733 TREE 344626N/0811150W DISTANCE TO THLD FROM 292 HAT: 0.78 NM. CHART VDP AT 1.10 MILES TO RW35* *LNAV ONLY. WAAS CHANNEL # 40318 REFERENCE PATH ID: W35A | |
| TAYSO (IAF) | HUSNY (NOPT) (FB) | 083.98 / 8.33 | 3000 | | |
| GREAT (IAF) | HUSNY (NOPT) (FB) | 327.23 / 11.28 | 3000 | | |
| HUSNY (IF/IAF) | FETBY (FB) | 354.07 / 6.32 | 2200 | | |
| 1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. HOLD S HUSNY, RT, 354.07 INBOUND, 3000 FT. IN LIEU OF PT (IAF) 3. FAC: <u>354.05</u> FAF: <u>FETBY</u> DIST FAF TO MAP: <u>4.68</u> THLD: <u>4.68</u> 4. MIN. ALT: <u>HUSNY 3000, FETBY 2200, HETEB/2.30 NM TO RW35 1420*</u> 5. DIST TO THLD FROM OM: <u> </u> MM: <u> </u> IM: <u> </u> 150 HAT: <u> </u> 100 HAT: <u> </u> GS ANT: <u> </u> 6. MIN GS INCPT: <u>2200</u> GS ALT AT: <u>FETBY 2200</u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u>3.00</u> TCH: <u>55.0</u> 34:1 IS NOT CLEAR 8. MSA FROM: <u>RW35 2900</u> | | | | MAG VAR: 6W EPOCH YEAR: 2000 | |
| MINIMUMS | | | | | |
| TAKEOFF: | STANDARD | X | SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: NA | STANDARD @ |
| CATEGORY =====> | A | | B | | C |
| DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA |
| LPV DA | 940 | 1 | 292 | 940 | 1 |
| LNAV/VNAV DA | 1010 | 1 1/4 | 362 | 1010 | 1 1/4 |
| LNAV MDA | 1020 | 1 | 372 | 1020 | 1 |
| CIRCLING | 1160 | 1 | 503 | 1160 | 1 1/2 |
| | | | | | |
| | | | | | |

NOTES:
 CHART NOTE: CIRCLING TO RWY 5/23 NA AT NIGHT.
 CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C (4F) OR ABOVE 47C (116F).
 CHART NOTE: DME/DME RNP-0.3 NA.
 CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
 SEE 8260-10

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY
CHECKED

| | | | | |
|----------------|---------------------------------------|---------------------------|--|------------------|
| CITY AND STATE | ELEVATION: 657 TDZE: 648 | FACILITY IDENTIFIER: RNAV | PROCEDURE NO./AMDT NO./EFFECTIVE DATE: | SUP: |
| CHESTER, SC | AIRPORT NAME: CHESTER CATAWBA RGNL | | RNAV (GPS) RWY 35, AMDT 1 23 SEP 2010 | AMDT: ORIG |
| | | | | DATED 11/20/2008 |

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

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

NOTES CONT.

CHART PROFILE NOTE: VGSi AND RNAV GLIDEPATH NOT COINCIDENT.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ROCK HILL ALTIMETER SETTING AND INCREASE ALL DA 33 FEET, AND ALL MDA 40 FEET; INCREASE LPV, LNAV/VNAV AII CATS AND LNAV CAT C VISIBILITY 1/4 MILE.

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

CHART PLANVIEW NOTES: PROCEDURE NA FOR ARRIVALS AT GREAT ON V37 SOUTHBOUND, AND AT TAYSO ON V66 SOUTHWEST BOUND.

QUALITY
9
CHECKED

CITY AND STATE

CHESTER, SC

ELEVATION: 657 TDZE: 648

AIRPORT NAME:

CHESTER CATAWBA RGNL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 35, AMDT 1

23 SEP 2010

SUP:

AMDT: ORIG

DATED: 11/20/2008

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

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

FAS DATA BLOCK INFORMATION

DATA FIELD

DATA

OPERATION TYPE 0
SBAS SERVICE PROVIDER IDENTIFIER 0
AIRPORT IDENTIFIER KDCM
RUNWAY RW35
APPROACH PERFORMANCE DESIGNATOR 0
ROUTE INDICATOR
REFERENCE PATH DATA SELECTOR 0
REFERENCE PATH IDENTIFIER (APPROACH ID) W35A
LTP/FTP LATITUDE 344700.6935N
LTP/FTP LONGITUDE 0811148.9995W
LTP/FTP ELLIPSOIDAL HEIGHT +01631
FPAP LATITUDE 344828.0000N
FPAP LONGITUDE 0811211.4200W
THRESHOLD CROSSING HEIGHT (TCH) 00055.0
TCH UNITS SELECTOR (METERS OR FEET USED) F
GLIDEPATH ANGLE (GPA) 03.00
COURSE WIDTH AT THRESHOLD 106.75
LENGTH OFFSET 1224
HORIZONTAL ALERT LIMIT (HAL) 40.0
VERTICAL ALERT LIMIT (VAL) 50.0

CRC REMAINDER

8674DB1C

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K7
LTP ORTHOMETRIC HEIGHT +01939
FPAP ORTHOMETRIC HEIGHT +01939

QUALITY
CHECKED

| | | | | |
|-------------------------------|---|---------------------------------|--|-------------------|
| CITY AND STATE CHESTER, SC | ELEVATION: 657 TDZE: 648 AIRPORT NAME: CHESTER CATAWBA RGNL | FACILITY IDENTIFIER: RNAV | PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 35, AMDT 1 23 SEP 2010 | SUP: |
| | | | | AMDT: ORIG |
| | | | | DATED: 11/20/2008 |

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

[illegible]

| SEGMENT | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 |
|------------------|--------|--------------------|---------|---------|------------|----------|---|--------------|-------|------|------|-------|----|
| SUSAP KDCMK7FR35 | AGREAT | 010GREATK7EA0E | A | IF | | | | | 18000 | | | A JS | |
| SUSAP KDCMK7FR35 | AGREAT | 020HUSNYK7EA0EE | B | 010TF | | 32720113 | | + 03000 | | | | A JS | |
| SUSAP KDCMK7FR35 | AHUSNY | 010HUSNYK7EA0EE | AR | HF | | 35410040 | | + 03000 | 18000 | | | A JS | |
| SUSAP KDCMK7FR35 | ATAYSO | 010TAYSOK7EA0E | A | IF | | | | | 18000 | | | A JS | |
| SUSAP KDCMK7FR35 | ATAYSO | 020HUSNYK7EA0EE | B | 010TF | | 08400083 | | + 03000 | | | | A JS | |
| SUSAP KDCMK7FR35 | R | 010HUSNYK7EA0E | I | IF | | | | + 03000 | 18000 | | | A JS | |
| SUSAP KDCMK7FR35 | R | 020PETBYK7EA1E | F | 051TF | | 35410063 | | + 02200 | | | RW35 | K7PGA | JS |
| SUSAP KDCMK7FR35 | R | 020PETBYK7EA2WALPV | | | ALNAV/VNAV | | | | | | | | JS |
| SUSAP KDCMK7FR35 | R | 021HETEBK7EA0E | S | 031TF | | 35410024 | | V 0142001429 | | -300 | | A JS | |
| SUSAP KDCMK7FR35 | R | 030RW35 | K7PG0GY | M 031TF | | 35410023 | | 00691 | | -300 | | A JS | |
| SUSAP KDCMK7FR35 | R | 040 | | M 010CA | | 3541 | | + 00940 | | | | A JS | |
| SUSAP KDCMK7FR35 | R | 050SUNYOK7EA0EY | | 010DF | | | | + 03000 | | | | A JS | |
| SUSAP KDCMK7FR35 | R | 060SUNYOK7EA0EE | | R020HM | | 17400040 | | + 03000 | | | | A JS | |

[illegible]

QUALITY
CHECKED

| | | | | | |
|-----------------------------------|---|-------------------------------------|---|--------|------------|
| CITY AND STATE CHESTER, SC | ELEVATION: 657 TDZE: 648 AIRPORT NAME: CHESTER CATAWBA RGNL | FACILITY IDENTIFIER: RNAV | PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 35, AMDT 1 | SUP: | |
| | | | | AMDT: | ORIG |
| | | | | DATED: | 11/20/2008 |

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

[illegible]

| | |
|--------|------------|
| SUP: | |
| AMDT: | ORIG |
| DATED: | 11/20/2008 |

| | | | | | | | | | | | | | | | | | | | |
|--|--------|------------|---------|---|-------|--|--------|--|---------|---|-------|--|--------|-----|---------|------------------------|--|--|--|
| US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION | | | | RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE FAR PART 97.33 | | | | Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR. | | | | | | | | | | | |
| TERMINAL ROUTES | | | | | | | | | | | | | | | | MISSED APPROACH | | | |
| FROM | | TO | | COURSE AND DISTANCE | | | | ALTITUDE | | LPV: DA LNAV/VNAV: DA LNAV: RW13 CLIMB TO 2100 DIRECT CIRCUIT AND HOLD. ADDITIONAL FLIGHT DATA: HOLD SE, RT, 306.51 INBOUND. CHART FAS OBST: 749 T-L TWR 302434N/0973511W DISTANCE TO THLD FROM 250 HAT: 0.66 NM. CHART VDP AT 1.26 MILES TO RW13* *LNAV ONLY. WAAS CHANNEL # 63116 REFERENCE PATH ID: W13A | | | | | | | | | |
| DARTE | | CUSAT (FB) | | 220.69 / 15.48 | | | | 3000 | | | | | | | | | | | |
| CUSAT (IAF) | | FESIS (FB) | | 216.38 / 5.00 | | | | 2500 | | | | | | | | | | | |
| FESIS (IF) | | IKOXE (FB) | | 126.35 / 6.10 | | | | 2200 | | | | | | | | | | | |
| 1. PT <u>NA</u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. PROFILE STARTS AT FESIS 3. FAC: <u>126.40</u> FAF: <u>IKOXE</u> DIST FAF TO MAP: <u>4.78</u> THLD: <u>4.78</u> 4. MIN. ALT: <u>FESIS 2500, IKOXE 2200, JIDKI/2.30 NM TO RW13 1380*</u> 5. DIST TO THLD FROM OM: <u> </u> MM: <u> </u> IM: <u> </u> 150 HAT: <u> </u> 100 HAT: <u> </u> GS ANT: <u> </u> 6. MIN GS INCPT: <u>2200</u> GS ALT AT: <u>IKOXE 2200</u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u>3.00</u> TCH: <u>40.0</u> 34:1 IS NOT CLEAR 8. MSA FROM: <u>RW13 3100</u> | | | | | | | | | | | | | | | | | | | |
| MAG VAR: 5E EPOCH YEAR: 2010 | | | | | | | | | | | | | | | | | | | |
| MINIMUMS | | | | | | | | | | | | | | | | | | | |
| TAKEOFF: | | STANDARD | | X | | SEE FAA FORM 8260-15A FOR THIS AIRPORT | | | | ALTERNATE: N/A | | STANDARD @ | | | | | | | |
| CATEGORY =====> | | A | | | B | | | C | | | D | | | E | | | | | |
| | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | | | | |
| LPV DA | 870 | 1 | 250 | 870 | 1 | 250 | 870 | 1 | 250 | 870 | 1 | 250 | | | | | | | |
| LNAV/VNAV DA | 1090 | 1 3/4 | 470 | 1090 | 1 3/4 | 470 | 1090 | 1 3/4 | 470 | 1090 | 1 3/4 | 470 | | | | | | | |
| LNAV MDA | 1060 | 1 | 440 | 1060 | 1 | 440 | 1060 | 1 1/4 | 440 | 1060 | 1 1/2 | 440 | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| CIRCLING | 1100 | 1 | 480 | 1100 | 1 | 480 | 1100 | 1 1/2 | 480 | 1180 | 2 | 560 | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| NOTES: CHART NOTE: BARO-VNAV NA WHEN USING AUSTIN-BERGSTROM INTL ALTIMETER SETTING. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C (4F) OR ABOVE 47C (116F). CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. SEE 8260-10 | | | | | | | | | | | | | | | | | | | |
| CITY AND STATE | | | | ELEVATION: 620 TDZE: 620 | | | | FACILITY IDENTIFIER: | | | | PROCEDURE NO./AMDT NO./EFFECTIVE DATE: | | | | SUP: | | | |
| AUSTIN, TX | | | | AIRPORT NAME: | | | | RNAV | | | | RNAV (GPS) RWY 13, ORIG 23 SEP 2010 | | | | AMDT: NONE | | | |
| | | | | AUSTIN EXECUTIVE | | | | | | | | | | | | DATED | | | |

QUALITY
2
CHECKED

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

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

NOTES CONT.***LNAV ONLY****CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT DARTE ON V17 NORTH BOUND.****CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE AUSTIN-BERGSTROM INTL ALTIMETER SETTING AND INCREASE ALL DA 42 FEET; INCREASE ALL MDA 60 FEET.****CHART NOTE: VDP NA WITH AUSTIN-BERGSTROM INTL ALTIMETER SETTING.****CHART NOTE: CIRCLING NA TO RWY 16/34.**

QUALITY
2
CHECKED

CITY AND STATE

AUSTIN, TX

ELEVATION: 620

TDZE: 620

AIRPORT NAME:

AUSTIN EXECUTIVE

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 13, ORIG

23 SEP 2010

SUP:

AMDT: NONE

DATED:

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

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

FAS DATA BLOCK INFORMATION

DATA FIELD

DATA

OPERATION TYPE 0
SBAS SERVICE PROVIDER IDENTIFIER 0
AIRPORT IDENTIFIER KEDC
RUNWAY RW13
APPROACH PERFORMANCE DESIGNATOR 0
ROUTE INDICATOR
REFERENCE PATH DATA SELECTOR 0
REFERENCE PATH IDENTIFIER (APPROACH ID) W13A
LTP/FTP LATITUDE 302409.0600N
LTP/FTP LONGITUDE 0973419.3100W
LTP/FTP ELLIPSOIDAL HEIGHT +01626
FPAP LATITUDE 302309.9600N
FPAP LONGITUDE 0973302.0700W
THRESHOLD CROSSING HEIGHT (TCH) 00040.0
TCH UNITS SELECTOR (METERS OR FEET USED) F
GLIDEPATH ANGLE (GPA) 03.00
COURSE WIDTH AT THRESHOLD 106.75
LENGTH OFFSET 1096
HORIZONTAL ALERT LIMIT (HAL) 40.0
VERTICAL ALERT LIMIT (VAL) 50.0

CRC REMAINDER

64B0F54D

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K4
LTP ORTHOMETRIC HEIGHT +01886
FPAP ORTHOMETRIC HEIGHT +01886

QUALITY
2
CHECKED

CITY AND STATE
AUSTIN, TX

ELEVATION: 620 TDZE: 620
AIRPORT NAME:
AUSTIN EXECUTIVE

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 13, ORIG
23 SEP 2010

SUP:
AMDT: NONE
DATED:

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

[illegible]

| SEGMENT | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 |
|------------------|--------|--------------------|-----------|------------|-------|----------|---|------------|---|-------|------|-------|----|
| SUSAP KEDCK4FR13 | ADARTE | 010DARTEK4EA0E | IF | | | | | | | 18000 | | A JS | |
| SUSAP KEDCK4FR13 | ADARTE | 020CUSATK4EA0E | A 020TF | | | 22070155 | + | 03000 | | | | A JS | |
| SUSAP KEDCK4FR13 | ADARTE | 030FESISK4EA0EE | B 010TF | | | 21640050 | + | 02500 | | | | A JS | |
| SUSAP KEDCK4FR13 | R | 010FESISK4EA0E | I IF | | | | | | | 18000 | | A JS | |
| SUSAP KEDCK4FR13 | R | 020IKOXEK4EA1E | F 051TF | | | 12640061 | + | 02200 | | | RW13 | K4PGA | JS |
| SUSAP KEDCK4FR13 | R | 020IKOXEK4EA2WALPV | | ALNAV/VNAV | ALNAV | | | | | | | | JS |
| SUSAP KEDCK4FR13 | R | 021JIDKIK4EA0E | S 031TF | | | 12640025 | V | 0138001396 | | -300 | | A JS | |
| SUSAP KEDCK4FR13 | R | 030RW13 K4PG0GY | M 031TF | | | 12640023 | | 00659 | | -300 | | A JS | |
| SUSAP KEDCK4FR13 | R | 040 | 0 M 010CA | | | 1264 | + | 00870 | | | | A JS | |
| SUSAP KEDCK4FR13 | R | 050CIRMUK4EA0EY | 010DF | | | | | 02100 | | | | A JS | |
| SUSAP KEDCK4FR13 | R | 060CIRMUK4EA0EE | R020HM | | | 30650040 | + | 02100 | | | | A JS | |

[illegible]

QUALITY
7
CHECKED

| | | | | |
|----------------------------------|--|-------------------------------------|---|-----------------|
| CITY AND STATE AUSTIN, TX | ELEVATION: 620 TDZE: 620 AIRPORT NAME: AUSTIN EXECUTIVE | FACILITY IDENTIFIER: RNAV | PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 13, ORIG 23 SEP 2010 | SUP: |
| | | | | AMDT: NONE |
| | | | | DATED: |

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

[illegible]

PAGE 5 OF 5 PAGES

| | | | | | | | | | | | | | | | | | |
|---|--|--------------------------|-----|--|--------|--|---------|--|-------|--|--------|------------------|---------|------------|-----|---------|--|
| RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE FAR PART 97.33 | | | | Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR. | | | | | | | | | | | | | |
| TERMINAL ROUTES | | | | | | | | | | MISSED APPROACH | | | | | | | |
| FROM | | TO | | COURSE AND DISTANCE | | | | ALTITUDE | | LPV: DA LNAV/VNAV: DA LNAV: RW31 CLIMB TO 3500 DIRECT GUKWI AND VIA TRACK 019.68 TO DARTE AND HOLD. ADDITIONAL FLIGHT DATA: HOLD SW, RT, 060.00 INBOUND. CHART FAS OBST: 639 TREE 302355N/0973308W DISTANCE TO THLD FROM 200 HAT: 0.55 NM. CHART VDP AT 0.83 MILES TO RW31* *LNAV ONLY. WAAS CHANNEL # 45916 REFERENCE PATH ID: W31A | | | | | | | |
| SCOLL | | EFVEP (FB) | | 223.86 / 9.48 | | | | 2200 | | | | | | | | | |
| EFVEP (IAF) | | CIRMU (FB) | | 216.54 / 5.00 | | | | 2100 | | | | | | | | | |
| CIRMU (IF) | | HIDSU (FB) | | 306.51 / 6.10 | | | | 2000 | | | | | | | | | |
| 1. PT NA SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF) 2. PROFILE STARTS AT CIRMU 3. FAC: 306.46 FAF: HIDSU DIST FAF TO MAP: 4.23 THLD: 4.23 4. MIN. ALT: CIRMU 2100, HIDSU 2000, FESEP/1.60 NM TO RW31 1140* 5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT: 6. MIN GS INCPT: 2000 GS ALT AT: HIDSU 2000 OM: MM: IM: 7. GS ANGLE: 3.00 TCH: 40.0 34:1 IS CLEAR 8. MSA FROM: RW31 3100 | | | | | | | | | | MAG VAR: 5E | | EPOCH YEAR: 2010 | | | | | |
| MINIMUMS | | | | | | | | | | | | | | | | | |
| TAKEOFF: | | STANDARD | | X | | SEE FAA FORM 8260-15A FOR THIS AIRPORT | | | | ALTERNATE: N A | | STANDARD @ | | | | | |
| CATEGORY ==> | | A | | | B | | | C | | | D | | | E | | | |
| | | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | |
| LPV DA | | 812 | 3/4 | 200 | 812 | 3/4 | 200 | 812 | 3/4 | 200 | 812 | 3/4 | 200 | | | | |
| LNAV/VNAV DA | | 909 | 1 | 297 | 909 | 1 | 297 | 909 | 1 | 297 | 909 | 1 | 297 | | | | |
| LNAV MDA | | 900 | 1 | 288 | 900 | 1 | 288 | 900 | 1 | 288 | 900 | 1 | 288 | | | | |
| CIRCLING | | 1100 | 1 | 480 | 1100 | 1 | 480 | 1100 | 1 1/2 | 480 | 1180 | 2 | 560 | | | | |
| | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| NOTES: CHART NOTE: BARO-VNAV NA WHEN USING AUSTIN-BERGSTROM INTL ALTIMETER SETTING. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C (4F) OR ABOVE 47C (116F). CHART NOTE: DME/DME RNP-0.3 NA. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT SCOLL VIA V565 EAST BOUND. SEE 8260-10 | | | | | | | | | | | | | | | | | |
| CITY AND STATE | | ELEVATION: 620 TDZE: 612 | | | | FACILITY IDENTIFIER: | | PROCEDURE NO./AMDT NO./EFFECTIVE DATE: | | | | | | SUP: | | | |
| AUSTIN, TX | | AIRPORT NAME: | | | | RNAV | | RNAV (GPS) RWY 31, ORIG 23 SEP 2010 | | | | | | AMDT: NONE | | | |
| | | AUSTIN EXECUTIVE | | | | | | | | | | | | DATED | | | |

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

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

NOTES CONT.***LNAV ONLY**

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE AUSTIN-BERGSTROM INTL ALTIMETER SETTING AND INCREASE ALL DA 42 FEET; INCREASE ALL MDA 60 FEET. INCREASE LNAV/VNAV ALL CATS AND LNAV CAT D VISIBILITY 1/4 MILE.

CHART NOTE: VDP NA WITH AUSTIN-BERGSTROM INTL ALTIMETER SETTING.

CHART NOTE: CIRCLING NA TO RWY 16/34.

QUALITY
2
CHECKED

CITY AND STATE

AUSTIN, TX

ELEVATION: 620 TDZE: 612

AIRPORT NAME:

AUSTIN EXECUTIVE

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 31, ORIG

23 SEP 2010

SUP:

AMDT: NONE

DATED:

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

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

FAS DATA BLOCK INFORMATION

DATA FIELD

DATA

| | |
|--|---------------|
| OPERATION TYPE | 0 |
| SBAS SERVICE PROVIDER IDENTIFIER | 0 |
| AIRPORT IDENTIFIER | KEDC |
| RUNWAY | RW31 |
| APPROACH PERFORMANCE DESIGNATOR | 0 |
| ROUTE INDICATOR | |
| REFERENCE PATH DATA SELECTOR | 0 |
| REFERENCE PATH IDENTIFIER (APPROACH ID) | W31A |
| LTP/FTP LATITUDE | 302333.5200N |
| LTP/FTP LONGITUDE | 0973332.8600W |
| LTP/FTP ELLIPSOIDAL HEIGHT | +01558 |
| FPAP LATITUDE | 302432.6100N |
| FPAP LONGITUDE | 0973450.1100W |
| THRESHOLD CROSSING HEIGHT (TCH) | 00040.0 |
| TCH UNITS SELECTOR (METERS OR FEET USED) | F |
| GLIDEPATH ANGLE (GPA) | 03.00 |
| COURSE WIDTH AT THRESHOLD | 106.75 |
| LENGTH OFFSET | 0912 |
| HORIZONTAL ALERT LIMIT (HAL) | 40.0 |
| VERTICAL ALERT LIMIT (VAL) | 35.0 |

CRC REMAINDER

EE1F6BCD

ADDITIONAL PATH POINT RECORD INFORMATION

| | |
|-------------------------|--------|
| ICAO CODE | K4 |
| LTP ORTHOMETRIC HEIGHT | +01818 |
| FPAP ORTHOMETRIC HEIGHT | +01818 |

QUALITY
2
CHECKED

CITY AND STATE
AUSTIN, TX

ELEVATION: 620 TDZE: 612
AIRPORT NAME:
AUSTIN EXECUTIVE

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 31, ORIG
23 SEP 2010

SUP:
AMDT: NONE
DATED:

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

[illegible][illegible]

| SEGMENT | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 |
|------------------|--------|--------------------|-----------|------------|-------|----------|---|--------------|-------|------|------|----------|---|
| SUSAP KEDCK4FR31 | ASCOLL | 010SCOLLK4EA0E | IF | | | | | | 18000 | | | A JS | |
| SUSAP KEDCK4FR31 | ASCOLL | 020EFVEPK4EA0E | A 020TF | | | 22390095 | | + 02200 | | | | A JS | |
| SUSAP KEDCK4FR31 | ASCOLL | 030CIRMUK4EA0EE | B 010TF | | | 21650050 | | + 02100 | | | | A JS | |
| SUSAP KEDCK4FR31 | R | 010CIRMUK4EA0E | I IF | | | | | + 02100 | 18000 | | | A JS | |
| SUSAP KEDCK4FR31 | R | 020HIDSUK4EA1E | F 051TF | | | 30650061 | | + 02000 | | | RW31 | K4PGA JS | |
| SUSAP KEDCK4FR31 | R | 020HIDSUK4EA2WALPV | | ALNAV/VNAV | ALNAV | | | | | | | JS | |
| SUSAP KEDCK4FR31 | R | 021FESEPK4EA0E | S 031TF | | | 30650026 | | V 0114001149 | | -300 | | A JS | |
| SUSAP KEDCK4FR31 | R | 030RW31 K4PGOGY | M 031TF | | | 30650016 | | 00637 | | -300 | | A JS | |
| SUSAP KEDCK4FR31 | R | 040 | 0 M 010CA | | | 3065 | | + 00812 | | | | A JS | |
| SUSAP KEDCK4FR31 | R | 050GUKWIK4EA0E | 010DF | | | | | | | | | A JS | |
| SUSAP KEDCK4FR31 | R | 060DARTEK4EA0EY | 010TF | | | 0197 | | + 03500 | | | | A JS | |
| SUSAP KEDCK4FR31 | R | 070DARTEK4EA0EE | R020HM | | | 06000040 | | + 03500 | | | | A JS | |

[illegible]

QUALITY
1
CHECKED

| | |
|--------|------|
| SUP: | |
| AMDT: | NONE |
| DATED: | |

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

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

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 |
|-----|--|------|------|---|-------|---|---|---|---|---|---|---|---|
| PP | 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012 | | | | | | | | | | | | |
| | ----- | | | | | | | | | | | | |
| | SUSAP KEDCK4PR31 | RW31 | 001 | 0000W31A0N3023335200W09733328600+015580300N3024326100W09734501100106750912000400F400350EE1F6BCD | | | | | | | | | |
| | SUSAP KEDCK4PR31 | RW31 | 002E | +01818+01818LPV | 45916 | | | | | | | | |
| | ----- | | | | | | | | | | | | |
| MSA | 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012 | | | | | | | | | | | | |
| | ----- | | | | | | | | | | | | |
| | SUSAP KEDCK4SRW31 K4PG | | 0 | 18018003125 | | | | | | | | M | |

QUALITY
1
CHECKED

| | | | | |
|------------------------------|-----------------------------------|---------------------------------|--|------------|
| CITY AND STATE AUSTIN, TX | ELEVATION: 620 TDZE: 612 | FACILITY IDENTIFIER: RNAV | PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 31, ORIG 23 SEP 2010 | SUP: |
| | AIRPORT NAME: AUSTIN EXECUTIVE | | | AMDT: NONE |
| | | | | DATED: |

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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

(1) TAKEOFF MINIMUMS:

RWY 16, 34 NA-ENVIRONMENTAL.

RWY 13, 31-STANDARD.

(2) TEXTUAL DEPARTURE PROCEDURE:

(3) TAKEOFF OBSTACLE NOTES:

NOTE: RWY 31, TREES BEGINNING 901' FROM DER, 258' LEFT OF CENTERLINE, UP TO 50' AGL/669' MSL. UTILITY POLES BEGINNING 929' FROM DER, 370' LEFT OF CENTERLINE, UP TO 135' AGL/749' MSL. UTILITY POLES BEGINNING 2,326' FROM DER, 878' RIGHT OF CENTERLINE, UP TO 105' AGL/704' MSL.

(4) CONTROLLING OBSTACLES:

QUALITY
2
CHECK

| | | | |
|--------------------------------------|--|--|------------------------------|
| (5) City, State AUSTIN, TX | (6) Airport AUSTIN EXECUTIVE | (7) Effective Date 23 SEP 2010 | (8) Amdt. No. ORIG |
|--------------------------------------|--|--|------------------------------|

| | | | | | | | | | | | | | | | |
|---|------------|--------------------------|--|--|------------|--|--------|------------|---------|--------|-------|---------|--------|-----|---------|
| RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE FAR PART 97.33 | | | | Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR. | | | | | | | | | | | |
| TERMINAL ROUTES | | | | MISSED APPROACH | | | | | | | | | | | |
| FROM | TO | COURSE AND DISTANCE | ALTITUDE | LPV: DA LNAV/VNAV: DA LNAV: RW01 CLIMB TO 2000 DIRECT IPOME AND HOLD. ADDITIONAL FLIGHT DATA: HOLD N, RT, 192.21 INBOUND. CHART FAS OBST: 395 TOWER 302019N/0952543W CHART 448 TOWER 301739N/0952556W. DISTANCE TO THLD FROM 264 HAT: 0.70 NM. WAAS CHANNEL # 86719 REFERENCE PATH ID: W01A | | | | | | | | | | | |
| OGEWE (IAF) | HOPNU (FB) | 102.09 / 5.00 | 2000 | | | | | | | | | | | | |
| YICUC (IAF) | HOPNU (FB) | 282.19 / 5.00 | 2000 | | | | | | | | | | | | |
| HOPNU (IF) | JEVIB (FB) | 012.14 / 6.02 | 2000 | | | | | | | | | | | | |
| 1. PT <u>NA</u> SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. PROFILE STARTS AT HOPNU 3. FAC: <u>012.16</u> FAF: <u>JEVIB</u> DIST FAF TO MAP: <u>5.33</u> THLD: <u>5.33</u> 4. MIN. ALT: <u>HOPNU 2000, JEVIB 2000, IXIGY/1.70 NM TO RW01 820*</u> 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: <u>2000</u> GS ALT AT: <u>JEVIB 2000</u> OM: _____ MM: _____ IM: _____ 7. GS ANGLE: <u>3.00</u> TCH: <u>49.4</u> 34:1 IS NOT CLEAR 8. MSA FROM: <u>RW01 3100</u> | | | | MAG VAR: 5E EPOCH YEAR: 2000 | | | | | | | | | | | |
| MINIMUMS | | | | | | | | | | | | | | | |
| TAKEOFF: | STANDARD | X | SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A | STANDARD @ | | | | | | | | | | |
| CATEGORY =====> | A | | B | | C | | D | E | | | | | | | |
| | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA |
| LPV DA | 501 | 1 | 264 | 501 | 1 | 264 | 501 | 1 | 264 | 501 | 1 | 264 | | | |
| LNAV/VNAV DA | 651 | 1 1/2 | 414 | 651 | 1 1/2 | 414 | 651 | 1 1/2 | 414 | 651 | 1 1/2 | 414 | | | |
| LNAV MDA | 660 | 1 | 423 | 660 | 1 | 423 | 660 | 1 1/4 | 423 | 660 | 1 1/4 | 423 | | | |
| CIRCLING | 700 | 1 | 455 | 700 | 1 | 455 | 700 | 1 1/2 | 455 | 800 | 2 | 555 | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| NOTES: CHART NOTE: BARO-VNAV NA WHEN USING DAVID WAYNE HOOKS MEMORIAL ALTIMETER SETTING. @ NA WHEN LOCAL WEATHER NOT AVAILABLE. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 48C (118F). CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. SEE 8260-10 | | | | | | | | | | | | | | | |
| CITY AND STATE | | ELEVATION: 245 TDZE: 237 | | FACILITY IDENTIFIER: | | PROCEDURE NO./AMDT NO./EFFECTIVE DATE: | | SUP: | | | | | | | |
| HOUSTON, TX | | AIRPORT NAME: | | RNAV | | RNAV (GPS) RWY 1, ORIG | | AMDT: NONE | | | | | | | |
| | | LONE STAR EXECUTIVE | | | | 23 SEP 2010 | | DATED | | | | | | | |

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

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

NOTES CONT.

CHART PLANVIEW NOTE: RADAR REQUIRED.

*RNAV ONLY

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE DAVID WAYNE HOOKS MEMORIAL ALTIMETER SETTING AND INCREASE ALL DA 57 FEET AND ALL MDA 60 FEET. INCREASE LPV AND RNAV/VNAV ALL CATS VISIBILITY 1/4 MILE AND RNAV CAT D VISIBILITY 1/4 MILE.

CITY AND STATE

HOUSTON, TX

ELEVATION: 245 TDZE: 237

AIRPORT NAME:

LONE STAR EXECUTIVE

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 1, ORIG

23 SEP 2010

SUP:

AMDT: NONE

DATED:

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

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

FAS DATA BLOCK INFORMATION

DATA FIELD

DATA

| | |
|--|---------------|
| OPERATION TYPE | 0 |
| SBAS SERVICE PROVIDER IDENTIFIER | 0 |
| AIRPORT IDENTIFIER | KCXO |
| RUNWAY | RW01 |
| APPROACH PERFORMANCE DESIGNATOR | 0 |
| ROUTE INDICATOR | 0 |
| REFERENCE PATH DATA SELECTOR | 0 |
| REFERENCE PATH IDENTIFIER (APPROACH ID) | W01A |
| LTP/FTP LATITUDE | 302044.2260N |
| LTP/FTP LONGITUDE | 0952510.1250W |
| LTP/FTP ELLIPSOIDAL HEIGHT | +00425 |
| FPAP LATITUDE | 302209.5600N |
| FPAP LONGITUDE | 0952439.7200W |
| THRESHOLD CROSSING HEIGHT (TCH) | 00049.4 |
| TCH UNITS SELECTOR (METERS OR FEET USED) | F |
| GLIDEPATH ANGLE (GPA) | 03.00 |
| COURSE WIDTH AT THRESHOLD | 106.75 |
| LENGTH OFFSET | 1224 |
| HORIZONTAL ALERT LIMIT (HAL) | 40.0 |
| VERTICAL ALERT LIMIT (VAL) | 50.0 |

CRC REMAINDER

7496909A

ADDITIONAL PATH POINT RECORD INFORMATION

| | |
|-------------------------|--------|
| ICAO CODE | K4 |
| LTP ORTHOMETRIC HEIGHT | +00700 |
| FPAP ORTHOMETRIC HEIGHT | +00700 |

QUALITY
5
CHECKED

CITY AND STATE
HOUSTON, TX

ELEVATION: 245 TDZE: 237
AIRPORT NAME:
LONE STAR EXECUTIVE

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 1, ORIG
23 SEP 2010

SUP:
AMDT: NONE
DATED:

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

[illegible][illegible]

| SEGMENT | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 |
|------------------|--------|--------------------|---|---------|------------------|----------|---|--------------|---|-------|------|----------|---|
| SUSAP KCXOK4FR01 | AOGWE | 010OGWEK4EA0E | A | IF | | | | | | 18000 | | A JS | |
| SUSAP KCXOK4FR01 | AOGWE | 020HOPNUK4EA0EE | B | 010TF | | 10210050 | | + 02000 | | | | A JS | |
| SUSAP KCXOK4FR01 | AYICUC | 010YICUCK4EA0E | A | IF | | | | | | 18000 | | A JS | |
| SUSAP KCXOK4FR01 | AYICUC | 020HOPNUK4EA0EE | B | 010TF | | 28220050 | | + 02000 | | | | A JS | |
| SUSAP KCXOK4FR01 | R | 010HOPNUK4EA0E | I | IF | | | | + 02000 | | 18000 | | A JS | |
| SUSAP KCXOK4FR01 | R | 020JEVIBK4EA1E | F | 051TF | | 01210060 | | + 02000 | | | RW01 | K4PGA JS | |
| SUSAP KCXOK4FR01 | R | 020JEVIBK4EA2WALPV | | | ALNAV/VNAV ALNAV | | | | | | | JS | |
| SUSAP KCXOK4FR01 | R | 021IXIGYK4EA0E | S | 031TF | | 01220036 | | V 0082000823 | | -300 | | A JS | |
| SUSAP KCXOK4FR01 | R | 030RW01 K4PGOGY | M | 031TF | | 01220017 | | 00279 | | -300 | | A JS | |
| SUSAP KCXOK4FR01 | R | 040 | 0 | M 010CA | | 0122 | | + 00501 | | | | A JS | |
| SUSAP KCXOK4FR01 | R | 050IPOMEK4EA0EY | | 010DF | | | | + 02000 | | | | A JS | |
| SUSAP KCXOK4FR01 | R | 060IPOMEK4EA0EE | | R020HM | | 19220040 | | + 02000 | | | | A JS | |

[illegible]

QUALITY
4
CHECKED

| | |
|--------|------|
| SUP: | |
| AMDT: | NONE |
| DATED: | |

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

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

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

[illegible][illegible]

CITY AND STATE
HOUSTON, TX

ELEVATION: 245 TDZE: 237
AIRPORT NAME:
LONE STAR EXECUTIVE

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 1, ORIG
23 SEP 2010

| | |
|--------|------|
| SUP: | |
| AMDT: | NONE |
| DATED: | |

FAA FORM 8260-10 / MARCH 2003 (Computer Generated)

PAGE 5 OF 5 PAGES

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

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

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

| TERMINAL ROUTES | | | | MISSED APPROACH | | | | | | | | | | | |
|---|--|---------------------|--|--|----------------|---------|------------|-------|---------|--------|-------|---------|--------|-----|---------|
| FROM | TO | COURSE AND DISTANCE | ALTITUDE | | | | | | | | | | | | |
| UYUTE (IAF) | IPOME (FB) | 102.16 / 5.00 | 2000 | LPV: DA LNAV/VNAV: DA LNAV: RW19 CLIMB TO 3100 DIRECT JEVIB AND LEFT TURN ON TRACK 077.02 TO CLEEP AND HOLD. ADDITIONAL FLIGHT DATA: HOLD E, RT, 278.00 INBOUND. CHART FAS OBST: 374 TREE 302212N/0952417W CHART FAS OBST: 409 TREE 302324N/0952442W CHART 579 TOWER 302401N/0952348W. DISTANCE TO THLD FROM 289 HAT: 0.78 NM. WAAS CHANNEL # 90219 REFERENCE PATH ID: W19A | | | | | | | | | | | |
| HUPAK (IAF) | IPOME (FB) | 282.26 / 5.00 | 2000 | | | | | | | | | | | | |
| IPOME (IF) | OSRAW (FB) | 192.21 / 6.02 | 2000 | | | | | | | | | | | | |
| 1. PT <u>NA</u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. PROFILE STARTS AT IPOME 3. FAC: <u>192.20</u> FAF: <u>OSRAW</u> DIST FAF TO MAP: <u>5.33</u> THLD: <u>5.33</u> 4. MIN. ALT: <u>IPOME 2000, OSRAW 2000, WETUD/2.00 NM TO RW19 900*</u> 5. DIST TO THLD FROM OM: <u> </u> MM: <u> </u> IM: <u> </u> 150 HAT: <u> </u> 100 HAT: <u> </u> GS ANT: <u> </u> 6. MIN GS INCPT: <u>2000</u> GS ALT AT: <u>OSRAW 2000</u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u>3.00</u> TCH: <u>48.6</u> 34:1 IS NOT CLEAR 8. MSA FROM: <u>RW19 3100</u> | | | | MAG VAR: 5E EPOCH YEAR: 2000 | | | | | | | | | | | |
| MINIMUMS | | | | | | | | | | | | | | | |
| TAKEOFF: <u> </u> | STANDARD <input checked="" type="checkbox"/> 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 | 526 | 1 | 289 | 526 | 1 | 289 | 526 | 1 | 289 | 526 | 1 | 289 | | | |
| LNAV/VNAV DA | 682 | 1 1/2 | 445 | 682 | 1 1/2 | 445 | 682 | 1 1/2 | 445 | 682 | 1 1/2 | 445 | | | |
| LNAV MDA | 660 | 1 | 423 | 660 | 1 | 423 | 660 | 1 1/4 | 423 | 660 | 1 1/4 | 423 | | | |
| CIRCLING | 700 | 1 | 455 | 700 | 1 | 455 | 700 | 1 1/2 | 455 | 800 | 2 | 555 | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |

NOTES:
 CHART NOTE: BARO-VNAV NA WHEN USING DAVID WAYNE HOOKS MEMORIAL ALTIMETER SETTING.
 CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 48C (118F).
 CHART NOTE: DME/DME RNP-0.3 NA.
 CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
 SEE 8260-10

| | | | | |
|-----------------------------------|--|------------------------------|--|-----------------------------|
| CITY AND STATE HOUSTON, TX | ELEVATION: 245 TDZE: 237 AIRPORT NAME: LONE STAR EXECUTIVE | FACILITY IDENTIFIER: RNAV | PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 19, ORIG 23 SEP 2010 | SUP: AMDT: NONE DATED |
|-----------------------------------|--|------------------------------|--|-----------------------------|

QUALITY
CHECKED

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

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

NOTES CONT.

CHART PLANVIEW NOTE: RADAR REQUIRED

*RNAV ONLY

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE DAVID WAYNE HOOKS MEMORIAL ALTIMETER

SETTING AND INCREASE ALL DA 57 FEET AND ALL MDA 60 FEET. INCREASE LPV AND RNAV/VNAV ALL CATS

VISIBILITY 1/4 MILE AND RNAV CAT D VISIBILITY 1/4 MILE.

CITY AND STATE

HOUSTON, TX

ELEVATION: 245 TDZE: 237

AIRPORT NAME:

LONE STAR EXECUTIVE

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 19, ORIG

23 SEP 2010

SUP:

AMDT: NONE

DATED:

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

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

FAS DATA BLOCK INFORMATION

DATA FIELD

DATA

| | |
|--|---------------|
| OPERATION TYPE | 0 |
| SBAS SERVICE PROVIDER IDENTIFIER | 0 |
| AIRPORT IDENTIFIER | KCXO |
| RUNWAY | RW19 |
| APPROACH PERFORMANCE DESIGNATOR | 0 |
| ROUTE INDICATOR | |
| REFERENCE PATH DATA SELECTOR | 0 |
| REFERENCE PATH IDENTIFIER (APPROACH ID) | W19A |
| LTP/FTP LATITUDE | 302131.5065N |
| LTP/FTP LONGITUDE | 0952453.2765W |
| LTP/FTP ELLIPSOIDAL HEIGHT | +00422 |
| FPAP LATITUDE | 302006.1800N |
| FPAP LONGITUDE | 0952523.6900W |
| THRESHOLD CROSSING HEIGHT (TCH) | 00048.6 |
| TCH UNITS SELECTOR (METERS OR FEET USED) | F |
| GLIDEPATH ANGLE (GPA) | 03.00 |
| COURSE WIDTH AT THRESHOLD | 106.75 |
| LENGTH OFFSET | 1224 |
| HORIZONTAL ALERT LIMIT (HAL) | 40.0 |
| VERTICAL ALERT LIMIT (VAL) | 50.0 |

CRC REMAINDER

C20DE877

ADDITIONAL PATH POINT RECORD INFORMATION

| | |
|-------------------------|--------|
| ICAO CODE | K4 |
| LTP ORTHOMETRIC HEIGHT | +00697 |
| FPAP ORTHOMETRIC HEIGHT | +00697 |

| | | | | |
|-------------------------------|---|---------------------------------|--|---------------|
| CITY AND STATE HOUSTON, TX | ELEVATION: 245 TDZE: 237 AIRPORT NAME: LONE STAR EXECUTIVE | FACILITY IDENTIFIER: RNAV | PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 19, ORIG 23 SEP 2010 | SUP: |
| | | | | AMDT: NONE |
| | | | | DATED: |

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

[illegible][illegible]

| SEGMENT | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | |
|---------|------------|--------|--------------------|---|-----------|------------|----------|---|------------|-------|------|-------|----|----|
| SUSAP | KCXOK4FR19 | AHUPAK | 010HUPAKK4EA0E | A | IF | | | | | 18000 | | A | JS | |
| SUSAP | KCXOK4FR19 | AHUPAK | 020IPOMEK4EA0EE | B | 010TF | | 28230050 | + | 02000 | | | A | JS | |
| SUSAP | KCXOK4FR19 | AUYUTE | 010UYUTEK4EA0E | A | IF | | | | | 18000 | | A | JS | |
| SUSAP | KCXOK4FR19 | AUYUTE | 020IPOMEK4EA0EE | B | 010TF | | 10220050 | + | 02000 | | | A | JS | |
| SUSAP | KCXOK4FR19 | R | 010IPOMEK4EA0E | I | IF | | | + | 02000 | 18000 | | A | JS | |
| SUSAP | KCXOK4FR19 | R | 020OSRAWK4EA1E | F | 051TF | | 19220060 | + | 02000 | | RW19 | K4PGA | JS | |
| SUSAP | KCXOK4FR19 | R | 020OSRAWK4EA2WALPV | | | ALNAV/VNAV | ALNAV | | | | | | JS | |
| SUSAP | KCXOK4FR19 | R | 021WETUDK4EA0E | S | 031TF | | 19220033 | V | 0090000918 | | -300 | | A | JS |
| SUSAP | KCXOK4FR19 | R | 030RW19 K4PG0GY | M | 031TF | | 19220020 | | 00277 | | -300 | | A | JS |
| SUSAP | KCXOK4FR19 | R | 040 | | 0 M 010CA | | 1922 | + | 00526 | | | | A | JS |
| SUSAP | KCXOK4FR19 | R | 050JEVIBK4EA0E | | 010DF | | | | | | | | A | JS |
| SUSAP | KCXOK4FR19 | R | 060CLEEPK4EA0EY | | L010TFY | | 0770 | + | 03100 | | | | A | JS |
| SUSAP | KCXOK4FR19 | R | 070CLEEPK4EA0EE | | R020HMM | | 27800040 | + | 03100 | | | | A | JS |

[illegible]

CHECKED

| | | | | |
|-----------------------------------|--|----------------------------------|---|------------|
| CITY AND STATE HOUSTON, TX | ELEVATION: 245 TDZE: 237 AIRPORT NAME: LONE STAR EXECUTIVE | FACILITY IDENTIFIER: RNAV | PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 19, ORIG 23 SEP 2010 | SUP: |
| | | | | AMDT: NONE |
| | | | | DATED: |

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

QUALITY
CHECKED

PAGE 5 OF 5 PAGES

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

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

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

| TERMINAL ROUTES | | | | MISSED APPROACH | | | |
|--|------------|-----------------------------------|--|---|------------|--|--------|
| FROM | TO | COURSE AND DISTANCE | ALTITUDE | | | | |
| WLEV (IAF) | RILAY (FB) | 050.51 / 5.00 | 2000 | LPV: DA LNAV/VNAV: DA LNAV: RW32 CLIMB TO 2000 DIRECT AXTEP AND HOLD. ADDITIONAL FLIGHT DATA: HOLD NW, RT, 140.42 INBOUND. CHART FAS OBST: 329 TREE 302043N/0952415W CHART FAS OBST: 409 TOWER 301731N/0952141W CHART 459 TOWER 301538N/0952156W. DISTANCE TO THLD FROM 250 HAT: 0.66 NM. WAAS CHANNEL # 62819 REFERENCE PATH ID: W32A | | | |
| RILAY (IF) | NORLE (FB) | 320.55 / 6.02 | 2000 | | | | |
| 1. PT NA SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. PROFILE STARTS AT RILAY 3. FAC: 320.52 FAF: NORLE _____ DIST FAF TO MAP: 5.30 THLD: 5.30 4. MIN. ALT: RILAY 2000, NORLE 2000 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 2000 GS ALT AT: NORLE 2000 _____ OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 45.0 34:1 IS NOT CLEAR 8. MSA FROM: RW32 3100 | | | | MAG VAR: 5E EPOCH YEAR: 2000 | | | |
| MINIMUMS | | | | | | | |
| TAKEOFF: | STANDARD | X | SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A | STANDARD @ | | |
| CATEGORY =====> | A | | B | | C | | E |
| | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA |
| LPV DA | 495 | 1 | 250 | 495 | 1 | 250 | 495 |
| LNAV/VNAV DA | 599 | 1 1/4 | 354 | 599 | 1 1/4 | 354 | 599 |
| LNAV MDA | 660 | 1 | 415 | 660 | 1 | 415 | 660 |
| | | | | | | | |
| CIRCLING | 700 | 1 | 455 | 700 | 1 | 455 | 700 |
| | | | | | | | |
| | | | | | | | |
| NOTES: CHART NOTE: BARO-VNAV NA WHEN USING DAVID WAYNE HOOKS MEMORIAL ALTIMETER SETTING. @ NA WHEN LOCAL WEATHER NOT AVAILABLE. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 48C (118F). CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. SEE 8260-10 | | | | | | | |
| CITY AND STATE | | ELEVATION: 245 TDZE: 245 | | FACILITY IDENTIFIER: RNAV | | PROCEDURE NO./AMDT NO./EFFECTIVE DATE: | |
| HOUSTON, TX | | AIRPORT NAME: LONE STAR EXECUTIVE | | | | SUP: _____ AMDT: ORIG-B DATED 04/22/2008 | |
| | | | | | | 23 SEP 2010 | |

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

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

NOTES CONT.

CHART PLANVIEW NOTE: RADAR REQUIRED.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE DAVID WAYNE HOOKS MEMORIAL ALTIMETER SETTING AND INCREASE ALL DA 57 FEET AND ALL MDA 60 FEET. INCREASE LNAV/VNAV ALL CATS VISIBILITY

1/4 MILE AND LNAV CAT D VISIBILITY 1/4 MILE.

QUALITY
3
CHECKED

| | | | | |
|-------------------------------|--|---------------------------------|--|-------------------|
| CITY AND STATE HOUSTON, TX | ELEVATION: 245 TDZE: 245 AIRPORT NAME: LONE STAR EXECUTIVE | FACILITY IDENTIFIER: RNAV | PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 32, AMDT 1 23 SEP 2010 | SUP: |
| | | | | AMDT: ORIG-B |
| | | | | DATED: 04/22/2008 |

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

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

FAS DATA BLOCK INFORMATION

DATA FIELD

DATA

| | |
|--|---------------|
| OPERATION TYPE | 0 |
| SBAS SERVICE PROVIDER IDENTIFIER | 0 |
| AIRPORT IDENTIFIER | KCXO |
| RUNWAY | RW32 |
| APPROACH PERFORMANCE DESIGNATOR | 0 |
| ROUTE INDICATOR | |
| REFERENCE PATH DATA SELECTOR | 0 |
| REFERENCE PATH IDENTIFIER (APPROACH ID) | W32A |
| LTP/FTP LATITUDE | 302044.5405N |
| LTP/FTP LONGITUDE | 0952425.1015W |
| LTP/FTP ELLIPSOIDAL HEIGHT | +00460 |
| FPAP LATITUDE | 302158.1300N |
| FPAP LONGITUDE | 0952523.4500W |
| 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 | 0920 |
| HORIZONTAL ALERT LIMIT (HAL) | 40.0 |
| VERTICAL ALERT LIMIT (VAL) | 50.0 |

CRC REMAINDER

06B40203

ADDITIONAL PATH POINT RECORD INFORMATION

| | |
|-------------------------|--------|
| ICAO CODE | K4 |
| LTP ORTHOMETRIC HEIGHT | +00735 |
| FPAP ORTHOMETRIC HEIGHT | +00735 |

QUALITY
6
CHECKED

| | | | | |
|-------------------------------|--------------------------------------|---------------------------------|--|-------------------|
| CITY AND STATE HOUSTON, TX | ELEVATION: 245 TDZE: 245 | FACILITY IDENTIFIER: RNAV | PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 32, AMDT 1 23 SEP 2010 | SUP: |
| | AIRPORT NAME: LONE STAR EXECUTIVE | | | AMDT: ORIG-B |
| | | | | DATED: 04/22/2008 |

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

[illegible][illegible]

| SEGMENT | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 |
|---------|------------|--------|--------------------|---------|------------|-------|----------|---|-------|-------|------|-------|------|
| SUSAP | KCXOK4FR32 | AIWLEV | 010IWLEV | K4EA0E | A | IF | | | | 18000 | | A | JS |
| SUSAP | KCXOK4FR32 | AIWLEV | 020RILAYK4EA0EE | B | 010TF | | 05050050 | + | 02000 | | | A | JS |
| SUSAP | KCXOK4FR32 | R | 010RILAYK4EA0E | I | IF | | | | | 18000 | | A | JS |
| SUSAP | KCXOK4FR32 | R | 020NORLEK4EA1E | F | 051TF | | 32060060 | + | 02000 | | RW32 | K4PGA | JS |
| SUSAP | KCXOK4FR32 | R | 020NORLEK4EA2WALPV | | ALNAV/VNAV | ALNAV | | | | | | | JS |
| SUSAP | KCXOK4FR32 | R | 030RW32 | K4PG0GY | M | 031TF | 32050053 | | 00286 | | -300 | | A JS |
| SUSAP | KCXOK4FR32 | R | 040 | | M | 010CA | 3205 | + | 00495 | | | | A JS |
| SUSAP | KCXOK4FR32 | R | 050AXTEPK4EA0EY | | 010DF | | | + | 02000 | | | | A JS |
| SUSAP | KCXOK4FR32 | R | 060AXTEPK4EA0EE | | R020HM | | 14040040 | + | 02000 | | | | A JS |

[illegible][illegible]

QUALITY
A
CHECKED

| | | | | |
|-----------------------------------|---|-------------------------------------|---|------------------------|
| CITY AND STATE HOUSTON, TX | ELEVATION: 245 TDZE: 245 AIRPORT NAME: LONE STAR EXECUTIVE | FACILITY IDENTIFIER: RNAV | PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 32, AMDT 1 23 SEP 2010 | SUP: |
| | | | | AMDT: ORIG-B |
| | | | | DATED: 04/22/2008 |

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

[illegible]

QUALITY
CHECKED

| | | | | |
|-----------------------------------|--|-------------------------------------|--|-------------------|
| CITY AND STATE HOUSTON, TX | ELEVATION: 245 TDZE: 245 AIRPORT NAME: LONE STAR EXECUTIVE | FACILITY IDENTIFIER: RNAV | PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 32, AMDT 1 23 SEP 2010 | SUP: |
| | | | | AMDT: ORIG-B |
| | | | | DATED: 04/22/2008 |

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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

(1) TAKEOFF MINIMUMS:

RWY 1, 14, 19, 32 STANDARD.

(2) TEXTUAL DEPARTURE PROCEDURE:

(3) TAKEOFF OBSTACLE NOTES: NOTE: RWY 1, TREES BEGINNING 194' FROM DER, 130' RIGHT OF CENTERLINE, UP TO 100' AGL/374' MSL. TREES BEGINNING 817' FROM DER, 15' LEFT OF CENTERLINE, UP TO 100' AGL/359' MSL. NOTE: RWY 14, TREES AND OL ON DME BEGINNING 399' FROM DER, 80' RIGHT OF CENTERLINE, UP TO 100' AGL/329' MSL. TREES BEGINNING 640' FROM DER, 408' LEFT OF CENTERLINE, UP TO 100' AGL/329' MSL. NOTE: RWY 19, TREES BEGINNING 68' FROM DER, 64' RIGHT OF CENTERLINE, UP TO 100' AGL/344' MSL. TREES BEGINNING 1' FROM DER, 159' LEFT OF CENTERLINE, UP TO 100' AGL/339' MSL. NOTE: RWY 32, TREES BEGINNING 1785' FROM DER, 973' RIGHT OF CENTERLINE, UP TO 100' AGL/339' MSL. TREES AND VEHICLES ON ROAD BEGINNING 603' FROM DER, 458' LEFT OF CENTERLINE, UP TO 100' AGL/354' MSL.

(4) CONTROLLING OBSTACLES:

QUALITY
CHECKED

| | | | |
|---------------------------------------|---|--|---------------------------|
| (5) City, State HOUSTON, TX | (6) Airport LONE STAR EXECUTIVE | (7) Effective Date 23 SEP 2010 | (8) Amdt. No. 3 |
|---------------------------------------|---|--|---------------------------|

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

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

TERMINAL ROUTES

MISSED APPROACH

| FROM | TO | COURSE AND DISTANCE | ALTITUDE |
|------|----|---------------------|----------|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

ADDITIONAL FLIGHT DATA:

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

MAG VAR: _____

EPOCH YEAR: _____

| | | | | | | | | | | | | | | | | |
|-----------------|----------------|--|----------------------|----------|-----|---------|----------|-----|---------|----------|-----|---------|----------|-----|---------|--|
| TAKEOFF: _____ | STANDARD _____ | SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A _____ | | | | | | | | | | | | | |
| CATEGORY =====> | A | | | B | | | C | | | D | | | E | | | |
| | MDA | VIS | HAT/HAA | MDA | VIS | HAT/HAA | MDA | VIS | HAT/HAA | MDA | VIS | HAT/HAA | MDA | VIS | HAT/HAA | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |

NOTES:

PROCEDURE CANCELED EFFECTIVE 23 SEP 2010

| | | | | |
|---------------------------------|---|-----------------------------|--|-------------------------------------|
| CITY AND STATE LEVELLAND, TX | ELEVATION: 3514 TDZE: 3508 AIRPORT NAME: LEVELLAND MUNI | FACILITY IDENTIFIER: GPS | PROCEDURE NO./AMDT NO./EFFECTIVE DATE: GPS RWY 17, ORIG-A, 11/03/2003 | SUP AMDT ORIG DATE 10/10/1996 |
|---------------------------------|---|-----------------------------|--|-------------------------------------|

QUALITY
CHECKED

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

GPS STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICE - FAR PART 97.33

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

TERMINAL ROUTES

MISSED APPROACH

| FROM | TO | COURSE AND DISTANCE | ALTITUDE |
|------|----|---------------------|----------|
| | | | |
| | | | |
| | | | |

ADDITIONAL FLIGHT DATA:

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

MAG VAR:

EPOCH YEAR:

| TAKEOFF: | STANDARD | SEE FAA FORM 8260-15A FOR THIS AIRPORT | | | | | | ALTERNATE: N A | | | | | | | |
|----------------|----------|--|---------|-----|-----|---------|-----|----------------|---------|-----|-----|---------|-----|-----|---------|
| CATEGORY >>>>> | A | | | B | | | C | | | D | | | E | | |
| | MDA | VIS | HAT/HAA | MDA | VIS | HAT/HAA | MDA | VIS | HAT/HAA | MDA | VIS | HAT/HAA | MDA | VIS | HAT/HAA |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |

NOTES:

PROCEDURE CANCELED EFFECTIVE 23 SEP 2010

| | | | | |
|---------------------------------|---|--------------------------------|--|-----------------|
| CITY AND STATE LEVELLAND, TX | ELEVATION: 3514 TDZE: 3514 AIRPORT NAME: LEVELLAND MUNI | FACILITY IDENTIFIER: GPS | PROCEDURE NO./AMDT NO./EFFECTIVE DATE: GPS RWY 35, ORIG-A, 10/03/2003 | SUP |
| | | | | AMDT ORIG |
| | | | | DATE 10/10/1996 |

 QUALITY
 3
 CHECKED

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

NDB STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICE - FAR PART 97.27

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

TERMINAL ROUTES

MISSED APPROACH

| FROM | TO | COURSE AND DISTANCE | ALTITUDE | MAP: LLN NDB |
|--------------------------------|---------|---------------------|----------|--|
| FLATT INT/LUBBOCK 21.95 DME | LLN NDB | 184.72 / 5.85 | 6000 | CLIMB TO 5500 THEN RIGHT TURN DIRECT LLN NDB AND HOLD. |
| | | | | ADDITIONAL FLIGHT DATA: HOLD N, RT, 184.23 INBOUND. CHART FAS OBST: 3862 TOWER 333454N/1022350W CHART LUBBOCK ATIS. FAC CROSSES RWY C/L EXTENDED 3000 FROM THLD. |

1. PT R SIDE OF COURSE 004.23 OUTBOUND 5500 FT WITHIN 10 MILES OF LLN NDB (IAF)

2.

3. FAC 184.23 FAF _____ DIST FAF TO MAP _____ THLD _____

4. MIN. ALT _____

8. MSA FROM: LLN NDB 5300

MAG VAR: 9E

EPOCH YEAR: 1995

MINIMUMS

| TAKEOFF: | STANDARD | X | SEE FAA FORM 8260-15A FOR THIS AIRPORT | | | | ALTERNATE: N A | | X | | | | | | |
|-----------------|----------|-----|--|------|-------|---------|----------------|-------|---------|------|-------|---------|-----|-----|---------|
| CATEGORY =====> | A | | | B | | | C | | | D | | | E | | |
| | MDA | VIS | HAT/HAA | MDA | VIS | HAT/HAA | MDA | VIS | HAT/HAA | MDA | VIS | HAT/HAA | MDA | VIS | HAT/HAA |
| 3-17 | 4360 | 1 | 852 | 4360 | 1 1/4 | 852 | 4360 | 2 1/2 | 852 | 4360 | 2 3/4 | 852 | | | |
| CIRCLING | 4360 | 1 | 846 | 4360 | 1 1/4 | 846 | 4360 | 2 1/2 | 846 | 4360 | 2 3/4 | 846 | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |

NOTES:

CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.

CHART NOTE: USE LUBBOCK ALTIMETER SETTING.

| | | | | |
|---------------------------------|---|--------------------------------|---|-----------------|
| CITY AND STATE LEVELLAND, TX | ELEVATION: 3514 TDZE: 3508 AIRPORT NAME: LEVELLAND MUNI | FACILITY IDENTIFIER: LLN | PROCEDURE NO./AMDT NO./EFFECTIVE DATE: NDB RWY 17, AMDT 3 23 SEP 2010 | SUP |
| | | | | AMDT 2B |
| | | | | DATE 08/30/2007 |

FLIGHT STANDARDS SERVICE - FAR PART 97.27

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

TERMINAL ROUTES

MISSED APPROACH

| FROM | TO | COURSE AND DISTANCE | ALTITUDE | MAP: LLN NDB |
|--------------------------------|---------|---------------------|----------|--|
| FLATT INT/LUBBOCK 21.95 DME | LLN NDB | 184.72 / 5.85 | 6000 | CLIMB TO 5000 THEN CLIMBING RIGHT TURN TO 6000 DIRECT LLN NDB AND HOLD. |
| | | | | ADDITIONAL FLIGHT DATA: HOLD S, RT, 346.86 INBOUND. FAS OBST: 3729 AAO 332707N/1022413W CHART LUBBOCK ATIS. FAC CROSSES RWY C/L EXTENDED 2995 FROM THLD. |

| | | | | | | | | |
|------|---|----------------|--------|----------|----------------|-------------|---------|-------|
| 1.PT | L | SIDE OF COURSE | 166.86 | OUTBOUND | 5100 FT WITHIN | 10 MILES OF | LLN NDB | (IAF) |
|------|---|----------------|--------|----------|----------------|-------------|---------|-------|

2.

| | | | | | |
|--------|--------|-----|--|-----------------|------|
| 3. FAC | 346.86 | FAF | | DIST FAF TO MAP | THLD |
|--------|--------|-----|--|-----------------|------|

4. MIN. ALT

8. MSA FROM: LLN NDB 5300

MAG VAR: 9E

EPOCH YEAR:1995

MINIMUMS

[illegible]

NOTES:

CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.

CHART NOTE: USE LUBBOCK ALTIMETER SETTING.

QUALITY
3
CHECKED

| | | | | | | |
|--|---|------------|--------------------------------|---|------|------------|
| CITY AND STATE LEVE LL AND, TX | ELEVATION: 3514 | TDZE: 3514 | FACILITY IDENTIFIER: LLN | PROCEDURE NO./AMDT NO./EFFECTIVE DATE: NDB RWY 35, AMDT 2 23 SEP 2010 | SUP | |
| | AIRPORT NAME: | | | | AMDT | 1C |
| | LEVE LL AND MUNI | | | | DATE | 08/30/2007 |

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

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

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

| TERMINAL ROUTES | | | | MISSED APPROACH |
|-----------------|-------------------|---------------------|----------|--|
| FROM | TO | COURSE AND DISTANCE | ALTITUDE | LNAV: RW17 CLIMB TO 5500 DIRECT HEGTA AND HOLD. ADDITIONAL FLIGHT DATA: HOLD S, RT, 352.56 INBOUND. CHART FAS OBST: 3833 TOWER 333607N/1022304W CHART LUBBOCK ATIS. RAWNI TO RW17: 3.04/47. |
| WINNS | JATMI (FB) | 053.18 / 19.39 | 5500 | |
| LBB VORTAC | VITVY (FB) | 267.18 / 17.74 | 5500 | |
| JATMI (IAF) | SOMKE (NOPT) (FB) | 082.50 / 5.01 | 5500 | |
| VITVY (IAF) | SOMKE (NOPT) (FB) | 262.61 / 5.01 | 5500 | |
| SOMKE (IF/IAF) | RAWNI (FB) | 172.56 / 6.01 | 5100 | |

1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
2. HOLD N SOMKE, RT, 172.56 INBOUND, 5500 FT. IN LIEU OF PT (IAF)
3. FAC: 172.56 FAF: RAWNI DIST FAF TO MAP: 4.80 THLD: 4.80
4. MIN. ALT: SOMKE 5500, RAWNI 5100
5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
6. MIN GS INCPT: GS ALT AT: OM: MM: IM:
7. GS ANGLE: TCH: 34:1 IS NOT CLEAR
8. MSA FROM: RW17 5300

MAG VAR: 9E

EPOCH YEAR: 1995

MINIMUMS

| TAKEOFF: | STANDARD | X | SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A | X | | | | | | | | | | |
|-----------------|----------|-----|--|----------------|-------|---------|--------|-------|---------|--------|-------|---------|--------|-----|---------|
| CATEGORY =====> | A | | | B | | | C | | | D | | | E | | |
| | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA |
| LNAV MDA | 4200 | 1 | 692 | 4200 | 1 | 692 | 4200 | 2 | 692 | 4200 | 2 1/4 | 692 | | | |
| CIRCLING | 4200 | 1 | 686 | 4260 | 1 1/4 | 746 | 4320 | 2 1/4 | 806 | 4320 | 2 1/2 | 806 | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |

NOTES:
 CHART NOTE: DME/DME RNP-0.3 NA.
 CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
 CHART NOTE: USE LUBBOCK ALTIMETER SETTING.
 CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL AT LBB VORTAC ON AIRWAY RADIALS 216 CW 305.

| | | | | |
|--|--|-------------------------------------|---|------------------------------------|
| CITY AND STATE LEVELLAND, TX | ELEVATION: 3514 TDZE: 3508 AIRPORT NAME: LEVELLAND MUNI | FACILITY IDENTIFIER: RNAV | PROCEDURE NO./AMDT NO./EFFECTIVE DATE RNAV (GPS) RWY 17, ORIG 23 SEP 2010 | SUP: AMDT: NONE DATED |
|--|--|-------------------------------------|---|------------------------------------|

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

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

QUALITY
3
CHECKED

| | | | | |
|---------------------------------|--|---------------------------------|--|---------------|
| CITY AND STATE LEVELLAND, TX | ELEVATION: 3514 TDZE: 3508 AIRPORT NAME: LEVELLAND MUNI | FACILITY IDENTIFIER: RNAV | PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 17, ORIG 23 SEP 2010 | SUP: |
| | | | | AMDT: NONE |
| | | | | DATED: |

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

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

[illegible]

QUALITY
A
CHECK

| | | | | |
|-------------------------------------|--|-------------------------------------|--|-------------------|
| CITY AND STATE LEVELLAND, TX | ELEVATION: 3514 TDZE: 3508 AIRPORT NAME: LEVELLAND MUNI | FACILITY IDENTIFIER: RNAV | PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 17, ORIG 23 SEP 2010 | SUP: |
| | | | | AMDT: NONE |
| | | | | DATED: |

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

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

[illegible]

QUALITY
CHECK

| | | | | |
|-------------------------------------|--|-------------------------------------|--|-------------------|
| CITY AND STATE LEVELLAND, TX | ELEVATION: 3514 TDZE: 3508 AIRPORT NAME: LEVELLAND MUNI | FACILITY IDENTIFIER: RNAV | PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 17, ORIG 23 SEP 2010 | SUP: |
| | | | | AMDT: NONE |
| | | | | DATED: |

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

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

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

| TERMINAL ROUTES | | | | MISSED APPROACH |
|-----------------|-------------------|---------------------|----------|---|
| FROM | TO | COURSE AND DISTANCE | ALTITUDE | |
| LBB VORTAC | LOBGE (FB) | 212.57 / 27.66 | 6000 | LPV: DA LNAV/VNAV: DA LNAV: RW35 CLIMB TO 5500 DIRECT SOMKE AND HOLD. ADDITIONAL FLIGHT DATA: HOLD N, RT, 172.56 INBOUND. CHART FAS OBST: 3579 TREE 333057N/1022241W CHART FAS OBST: 3559 TREE 333217N/1022231W DISTANCE TO THLD FROM 348 HAT: 0.97 NM. WAAS CHANNEL # 65719 REFERENCE PATH ID: W35A CHART LUBBOCK ATIS. |
| RUKTE (IAF) | HEGTA (NOPT) (FB) | 033.40 / 9.65 | 5500 | |
| LOBGE (IAF) | HEGTA (NOPT) (FB) | 262.61 / 5.01 | 5500 | |
| HEGTA (IF/IAF) | ADORY (FB) | 352.56 / 6.01 | 5100 | |

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- HOLD S HEGTA, RT, 352.56 INBOUND, 5500 FT. IN LIEU OF PT (IAF)
- FAC: 352.56 FAF: ADORY DIST FAF TO MAP: 4.79 THLD: 4.79
- MIN. ALT: HEGTA 5500, ADORY 5100, FEVOL/3.00 NM TO RW35 4500*
- DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
- MIN GS INCPT: 5100 GS ALT AT: ADORY 5100 OM: MM: IM:
- GS ANGLE: 3.00 TCH: 45.0 34:1 IS NOT CLEAR
- MSA FROM: RW35 5300

MAG VAR: 9E

EPOCH YEAR: 1995

MINIMUMS

| TAKEOFF: <input type="checkbox"/> | STANDARD <input checked="" type="checkbox"/> | SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A <input checked="" type="checkbox"/> | | | | | | | | | | | | |
|-----------------------------------|--|--|--|--------|-------|---------|--------|-------|---------|--------|-------|---------|--------|-----|---------|
| 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 | 3862 | 1 1/4 | 348 | 3862 | 1 1/4 | 348 | 3862 | 1 1/4 | 348 | 3862 | 1 1/4 | 348 | | | |
| LNAV/VNAV DA | 3927 | 1 1/2 | 413 | 3927 | 1 1/2 | 413 | 3927 | 1 1/2 | 413 | 3927 | 1 1/2 | 413 | | | |
| LNAV MDA | 3940 | 1 | 426 | 3940 | 1 | 426 | 3940 | 1 1/4 | 426 | 3940 | 1 1/4 | 426 | | | |
| CIRCLING | 4100 | 1 | 586 | 4260 | 1 1/4 | 746 | 4320 | 2 1/4 | 806 | 4320 | 2 1/2 | 806 | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |

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.

*LNAV ONLY

SEE 8260-10

| | | | | |
|---------------------------------|---|------------------------------|--|-----------------------------|
| CITY AND STATE LEVELLAND, TX | ELEVATION: 3514 TDZE: 3514 AIRPORT NAME: LEVELLAND MUNI | FACILITY IDENTIFIER: RNAV | PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 35, ORIG 23 SEP 2010 | SUP: AMDT: NONE DATED |
|---------------------------------|---|------------------------------|--|-----------------------------|

QUALITY
3
CHECKED

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

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

NOTES CONT.

CHART NOTE: BARO-VNAV NA.

CHART NOTE: USE LUBBOCK ALTIMETER SETTING.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON LBB VORTAC AIRWAY RADIALS 154 CW 251.

| | | | | |
|---------------------------------|---|---------------------------------|--|------------|
| CITY AND STATE LEVELLAND, TX | ELEVATION: 3514 TDZE: 3514 AIRPORT NAME: LEVELLAND MUNI | FACILITY IDENTIFIER: RNAV | PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 35, ORIG 23 SEP 2010 | SUP: |
| | | | | AMDT: NONE |
| | | | | DATED: |

QUALITY
3
CHECKED

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

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

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

| | |
|--|---------------|
| OPERATION TYPE | 0 |
| SBAS SERVICE PROVIDER IDENTIFIER | 0 |
| AIRPORT IDENTIFIER | KLLN |
| RUNWAY | RW35 |
| APPROACH PERFORMANCE DESIGNATOR | 0 |
| ROUTE INDICATOR | 0 |
| REFERENCE PATH DATA SELECTOR | 0 |
| REFERENCE PATH IDENTIFIER (APPROACH ID) | W35A |
| LTP/FTP LATITUDE | 333229.1055N |
| LTP/FTP LONGITUDE | 1022222.8200W |
| LTP/FTP ELLIPSOIDAL HEIGHT | +10460 |
| FPAP LATITUDE | 333358.3400N |
| FPAP LONGITUDE | 1022219.9200W |
| 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 | 0888 |
| HORIZONTAL ALERT LIMIT (HAL) | 40.0 |
| VERTICAL ALERT LIMIT (VAL) | 50.0 |

CRC REMAINDER

10AA5878

ADDITIONAL PATH POINT RECORD INFORMATION

| | |
|-------------------------|--------|
| ICAO CODE | K4 |
| LTP ORTHOMETRIC HEIGHT | +10698 |
| FPAP ORTHOMETRIC HEIGHT | +10698 |

QUALITY
6
CHECKED

| | | | | |
|---------------------------------|---|---------------------------------|--|------------|
| CITY AND STATE LEVELLAND, TX | ELEVATION: 3514 TDZE: 3514 AIRPORT NAME: LEVELLAND MUNI | FACILITY IDENTIFIER: RNAV | PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 35, ORIG 23 SEP 2010 | SUP: |
| | | | | AMDT: NONE |
| | | | | DATED: |

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

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

[illegible]

QUALITY
CHECKED

| | | | | |
|-------------------------------------|--|-------------------------------------|---|-------------------|
| CITY AND STATE LEVELLAND, TX | ELEVATION: 3514 TDZE: 3514 AIRPORT NAME: LEVELLAND MUNI | FACILITY IDENTIFIER: RNAV | PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 35, ORIG 23 SEP 2010 | SUP: |
| | | | | AMDT: NONE |
| | | | | DATED: |

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

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

[illegible]

QUALITY
4
CHECKER

| | | | | |
|-------------------------------------|--|-------------------------------------|--|-------------------|
| CITY AND STATE LEVELLAND, TX | ELEVATION: 3514 TDZE: 3514 AIRPORT NAME: LEVELLAND MUNI | FACILITY IDENTIFIER: RNAV | PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 35, ORIG 23 SEP 2010 | SUP: |
| | | | | AMDT: NONE |
| | | | | DATED: |

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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

(1) TAKEOFF MINIMUMS:

RWY 8, 13, 17, 26, 31, STANDARD.

RWY 35, STANDARD WITH MINIMUM CLIMB OF 231 FEET PER NM TO 2600, OR 800-2 1/2 FOR CLIMB IN VISUAL CONDITIONS.

(2) TEXTUAL DEPARTURE PROCEDURE:

RWY 31 – CLIMB HEADING 307.22 TO 1300 BEFORE TURNING RIGHT.

RWY 35 – FOR CLIMB IN VISUAL CONDITIONS CROSS SAN MARCOS MUNI AT OR ABOVE 1200 BEFORE PROCEEDING ON COURSE.

(3) TAKEOFF OBSTACLE NOTES:

NOTE: RWY 8, TREE 943' FROM DER, 260' LEFT OF CENTERLINE, 33' AGL/612' MSL. **NOTE: RWY 26**, POLE 1217' FROM DER, 551' RIGHT OF CENTERLINE, 35' AGL/624' MSL. **NOTE: RWY 31**, POLE 1054' FROM DER, 631' RIGHT OF CENTERLINE, 33' AGL/621' MSL.

(4) CONTROLLING OBSTACLES:

RWY 31: 2049 MSL TOWER 300243.00N/0975251.00W

RWY 35 (VCOA): 2049 MSL TOWER 300243.00N/0975251.00W, 880 MSL TOWER 295502.00N/0975451.00W

RWY 35: 2049 MSL TOWER 300243.00N/0975251.00W

(5) City, State

SAN MARCOS, TX

(6) Airport

SAN MARCOS MUNI

(7) Effective Date

23 SEP 2010

(8) Amdt. No.

1

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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

(1) TAKEOFF MINIMUMS:

RWY 04, 16, 22, 34, NA- ENVIRONMENTAL.

RWY 31, STANDARD.

RWY 13, STANDARD WITH MINIMUM CLIMB OF 334 FT PER NM TO 2400.

(2) TEXTUAL DEPARTURE PROCEDURE:

(3) TAKEOFF OBSTACLE NOTES:

NOTE: RWY 13, VEHICLE ON ROAD 269' FROM DER, 516' RIGHT OF CENTERLINE, 17' AGL/ 996' MSL. TREES BEGINNING 385' FROM DER, 104' RIGHT OF CENTERLINE, UP TO 100' AGL/1,079' MSL. RAILROAD 445' FROM DER, 546' RIGHT OF CENTERLINE, 23' AGL/1,002' MSL.

NOTE: RWY 31, BLDG 43' FROM DER, 242' RIGHT OF CENTERLINE, 15' AGL/1,019' MSL. BLDG 165' FROM DER, 511' LEFT OF CENTERLINE, 15' AGL/1,019' MSL. VEHICLE ON ROAD 273' FROM DER, 14' LEFT OF CENTERLINE, 15' AGL/ 1,015' MSL. TREE 5,553' FROM DER, 651' RIGHT OF CENTERLINE, UP TO 100' AGL/1,149' MSL.

(4) CONTROLLING OBSTACLES:

RWY 13: 2051 MSL TOWER 335324.00N/0983331.00W

(5) City, State

WICHITA FALLS, TX

(6) Airport

WICHITA VALLEY

(7) Effective Date

23 SEP 2010

(8) Revis. No.

1

GRAPHIC DEPARTURE PROCEDURE (DP)



OBSTACLE



SID



RNAV

1. Bearings, headings, courses, tracks, and radials are magnetic.
2. Distances are in nautical miles.
3. Altitudes are minimum altitudes unless otherwise indicated.
4. Graphic depiction attached.

(1) DP Route Description:

TAKEOFF RWY 3: CLIMB HEADING 032.73 TO 11000, THEN CLIMBING LEFT TURN TO 13300 DIRECT HIDMI AND VIA TRACK 184.27 TO BCE VORTAC...

TAKEOFF RWY 21: CLIMB DIRECT HOKOL AND VIA TRACK 263.66 TO BCE VORTAC AND HOLD SW, RT, 045.36 INBOUND; CONTINUE CLIMB-IN-HOLD TO MEA FOR ROUTE OF FLIGHT...

...BEFORE PROCEEDING ON COURSE

(2) Transition Routes (Graphic Depiction Only)

| (a) Transition Name | (b) Transition Computer Codes | (c) From FIX/NAVAID | (d) To FIX/NAVAID | (e) Course / Distance | (f) MEA / MOCA | (g) Crossing Altitudes/Fixes |
|---------------------|-------------------------------|---------------------|-------------------|-----------------------|----------------|------------------------------|
| | | | | | | |

(3) Procedural Data Notes / Takeoff Minimums:

RWY 3, STANDARD WITH MINIMUM CLIMB OF 350 FEET PER NM TO 11000.

RWY 21, STANDARD WITH MINIMUM CLIMB OF 350 FET PER NM TO 10100.

NOTE: GPS REQUIRED.

NOTE: RNAV 1

(4) Takeoff Obstacle Notes: NOTE: RWY 3, VEHICLE ON ROAD 134' FROM DER, 374' LEFT OF CENTERLINE, 15' AGL/7588' MSL. FENCE 38' FROM DER, 376' RIGHT OF CENTERLINE, 8' AGL/7558' MSL. NOTE: RWY 21, FENCE 23' FROM DER, 375' LEFT OF CENTERLINE, 4' AGL/7601' MSL. FENCE 295' FROM DER, 529' RIGHT OF CENTERLINE, 4' AGL/7601' MSL. VEHICLES ON ROAD 48' FROM DER, 28' RIGHT OF CENTERLINE, 15' AGL/7623' MSL. POLES 866' FROM DER, 705' RIGHT OF CENTERLINE, 39' AGL/7638' MSL.

(5) Controlling Obstacles: RWY 03: 8299' MSL AAO 374554.47N/1120551.38W RWY 21: 9239' MSL AAO 374122.42N/1121810.01W
10626' MSL AAO 375600.20N/1121203.64W

(6) Fixes and/or NAVAID'S :

| | | | | | |
|----------------------|-------------------|--------------------------------------|--------------------------------|------------|------------------------------------|
| (7) DP Name BRYCE | (8) Number ONE | (9) DP Computer Code BRYCE1.BRYCE | (10) Superseded Number NONE | (11) Dated | (12) Effective Date 23 SEP 2010 |
|----------------------|-------------------|--------------------------------------|--------------------------------|------------|------------------------------------|

| | | | | | |
|---|-------------------|-----------------------------|-------------------------------|-------------------|----------------------------|
| (13) Airports Served | | | | | |
| Airport Name | BRYCE CANYON | | | | |
| City/State | BRYCE CANYON, UT | | | | |
| Airport Name | City/State | | | | |
| Airport Name | City/State | | | | |
| Airport Name | City/State | | | | |
| Airport Name | City/State | | | | |
| Airport Name | City/State | | | | |
| Airport Name | City/State | | | | |
| (14) Lost Communications Procedures: | | | | | |
| | | | | | |
| (15) Communications: ZLC ARTCC, CDC FSS | | | | | |
| (16) Additional Flight Data: REFERENCE MAG VAR: KBCE 14E EPOCH YR: 80. DME/DME ASSESSMENT NOT CONDUCTED. | | | | | |
| (17) Continuation: | | | | | |
| | | | | | |
| (7) DP Name | (8) Number | (9) DP Computer Code | (10) Superseded Number | (11) Dated | (12) Effective Date |
| BRYCE | ONE | BRYCE1.BRYCE | NONE | | 23 SEP 2010 |



DEPARTURE (Data Record)

[illegible]

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

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

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

| TERMINAL ROUTES | | | | MISSED APPROACH | | | | | | | | |
|---|-------------------|----------------------------|----------|--|-------|--|--------|------------|---------|--------|-----|---------|
| FROM | TO | COURSE AND DISTANCE | ALTITUDE | | | | | | | | | |
| CABER | CIXOS (FO) | 269.22 / 35.52 | 11800 | LPV: DA LNAV/VNAV: DA LNAV: RW03 CLIMB TO 13000 DIRECT ETIKE AND VIA TRACK 358.02 TO WEKPI AND LEFT TURN VIA TRACK 265.38 TO HURTU AND HOLD. ADDITIONAL FLIGHT DATA: HOLD SE, RT, 324.00 INBOUND. CHART FAS OBST: 7849 TREE 374029N/1121013W CHART FAS OBST: 8229 TREE 373928N/1121424W DISTANCE TO THLD FROM 250 HAT: 0.66 NM. WAAS CHANNEL # 58116 REFERENCE PATH ID: W03A CHART 8349 TREE 373711N/1121407W | | | | | | | | |
| BCE VORTAC | CIXOS (FO) | 188.00 / 10.58 | 11800 | | | | | | | | | |
| CEXAT (IAF) | CIXOS (NOPT) (FB) | 075.45 / 13.42 | 11100 | | | | | | | | | |
| HEGID (IAF) | CIXOS (NOPT) (FB) | 317.76 / 11.50 | 11100 | | | | | | | | | |
| CIXOS (IF/IAF) | IPYAD (FB) | 032.59 / 6.10 | 10600 | | | | | | | | | |
| 1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD SW CIXOS, RT, 032.59 INBOUND, 11100 FT. IN LIEU OF PT (IAF) 3. FAC: 032.65 FAF: IPYAD DIST FAF TO MAP: 9.10 THLD: 9.10 4. MIN. ALT: CIXOS 11100, IPYAD 10600, EXAKY/5.80 NM TO RW03 9500* 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 10600 GS ALT AT: IPYAD OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 40.0 34:1 IS NOT CLEAR 8. MSA FROM: RW03 12400 | | | | MAG VAR: 14E EPOCH YEAR: 1980 | | | | | | | | |
| MINIMUMS | | | | | | | | | | | | |
| TAKEOFF: <input type="checkbox"/> STANDARD <input checked="" type="checkbox"/> X SEE FAA FORM 8260-15A FOR THIS AIRPORT | | | | ALTERNATE: N/A @ _____ | | | | | | | | |
| CATEGORY =====> | A | | B | | C | | D | | E | | | |
| | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA |
| LPV DA | 7840 | 1 | 250 | 7840 | 1 | 250 | 7840 | 1 | 250 | | NA | |
| LNAV/VNAV DA | 8183 | 2 | 593 | 8183 | 2 | 593 | 8183 | 2 | 593 | | NA | |
| LNAV MDA | 8440 | 1 | 850 | 8440 | 1 1/4 | 850 | 8440 | 2 1/2 | 850 | | NA | |
| CIRCLING | 8440 | 1 | 850 | 8440 | 1 1/4 | 850 | 8440 | 2 1/2 | 850 | | NA | |
| NOTES: CHART NOTE: STRAIGHT-IN MINIMUMS NA AT NIGHT. CHART NOTE: CIRCLING TO RWY 3 NA AT NIGHT. CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. SEE 8260-10 | | | | | | | | | | | | |
| CITY AND STATE | | ELEVATION: 7590 TDZE: 7590 | | FACILITY IDENTIFIER: | | PROCEDURE NO./AMDT NO./EFFECTIVE DATE: | | SUP: | | | | |
| BRYCE CANYON, UT | | AIRPORT NAME: | | RNAV | | RNAV (GPS) RWY 3, ORIG | | AMDT: NONE | | | | |
| | | BRYCE CANYON | | | | 23 SEP 2010 | | DATED | | | | |

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

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NOTES CONT.**CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, PROCEDURE NA.****CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -30C (-22F) OR ABOVE 54C (130F).**

QUALITY
5
CHECKED

CITY AND STATE

BRYCE CANYON, UT

ELEVATION: 7590 TDZE: 7590

AIRPORT NAME:

BRYCE CANYON

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 3, ORIG

23 SEP 2010

SUP:

AMDT: NONE

DATED:

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

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FAS DATA BLOCK INFORMATION

| <u>DATA FIELD</u> | <u>DATA</u> |
|--|---------------|
| OPERATION TYPE | 0 |
| SBAS SERVICE PROVIDER IDENTIFIER | 0 |
| AIRPORT IDENTIFIER | KBCE |
| RUNWAY | RW03 |
| APPROACH PERFORMANCE DESIGNATOR | 0 |
| ROUTE INDICATOR | |
| REFERENCE PATH DATA SELECTOR | 0 |
| REFERENCE PATH IDENTIFIER (APPROACH ID) | W03A |
| LTP/FTP LATITUDE | 374158.1580N |
| LTP/FTP LONGITUDE | 1120918.3650W |
| LTP/FTP ELLIPSOIDAL HEIGHT | +22934 |
| FPAP LATITUDE | 374259.3000N |
| FPAP LONGITUDE | 1120756.6100W |
| THRESHOLD CROSSING HEIGHT (TCH) | 00040.0 |
| TCH UNITS SELECTOR (METERS OR FEET USED) | F |
| GLIDEPATH ANGLE (GPA) | 03.00 |
| COURSE WIDTH AT THRESHOLD | 106.75 |
| LENGTH OFFSET | 0496 |
| HORIZONTAL ALERT LIMIT (HAL) | 40.0 |
| VERTICAL ALERT LIMIT (VAL) | 50.0 |

CRC REMAINDER 2182F47F

ADDITIONAL PATH POINT RECORD INFORMATION

| | |
|-------------------------|--------|
| ICAO CODE | K2 |
| LTP ORTHOMETRIC HEIGHT | +23134 |
| FPAP ORTHOMETRIC HEIGHT | +23134 |

CITY AND STATE
BRYCE CANYON, UT

ELEVATION: 7590 TDZE: 7590
AIRPORT NAME:
BRYCE CANYON

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 3, ORIG
23 SEP 2010

SUP:
AMDT: NONE
DATED:

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

[illegible][illegible][illegible]

| SEGMENT | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 |
|---------|------------|--------|--------------------|--------|-------|------------|----------|---|-------|-------|------|-------|------|
| SUSAP | KBCEK2FR03 | ABCE | 010BCE | K2D 0V | IF | | | | | 18000 | | A JS | G |
| SUSAP | KBCEK2FR03 | ABCE | 020CIXOSK2EA0EY | 020TF | | | 18800106 | + | 11800 | | | A JS | G |
| SUSAP | KBCEK2FR03 | ABCE | 030CIXOSK2EA0EE | AR | HF | | 03260070 | + | 11100 | | | A JS | G |
| SUSAP | KBCEK2FR03 | ACABER | 010CABERK2EA0E | IF | | | | | | 18000 | | A JS | G |
| SUSAP | KBCEK2FR03 | ACABER | 020CIXOSK2EA0EY | 020TF | | | 26920355 | + | 11800 | | | A JS | G |
| SUSAP | KBCEK2FR03 | ACABER | 030CIXOSK2EA0EE | AR | HF | | 03260070 | + | 11100 | | | A JS | G |
| SUSAP | KBCEK2FR03 | ACEXAT | 010CEXATK2EA0E | A | IF | | | | | 18000 | | A JS | G |
| SUSAP | KBCEK2FR03 | ACEXAT | 020CIXOSK2EA0EE | B | 010TF | | 07550134 | + | 11100 | | | A JS | G |
| SUSAP | KBCEK2FR03 | AHEGID | 010HEGIDK2EA0E | A | IF | | | | | 18000 | | A JS | G |
| SUSAP | KBCEK2FR03 | AHEGID | 020CIXOSK2EA0EE | B | 010TF | | 31780115 | + | 11100 | | | A JS | G |
| SUSAP | KBCEK2FR03 | R | 010CIXOSK2EA0E | I | IF | | | + | 11100 | 18000 | | A JS | G |
| SUSAP | KBCEK2FR03 | R | 020IPYADK2EA1E | F | 051TF | | 03260061 | + | 10600 | | RW03 | K2PGA | JS G |
| SUSAP | KBCEK2FR03 | R | 020IPYADK2EA2WALPV | | | ALNAV/VNAV | ALNAV | | | | | JS | G |

QUALITY
6
CHECKED

| | | | | |
|--|--|-------------------------------------|--|-----------------|
| CITY AND STATE BRYCE CANYON, UT | ELEVATION: 7590 TDZE: 7590 AIRPORT NAME: BRYCE CANYON | FACILITY IDENTIFIER: RNAV | PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 3, ORIG 23 SEP 2010 | SUP: |
| | | | | AMDT: NONE |
| | | | | DATED: |

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

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

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

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 |
|------------------------|--|--|--------------------------|---|---|---|-----------------------|--------------|---|------|------|---|---|
| SEGMENT | 1234567890123456789012345678901234567890123456789012345678901234567890123456789012 | | | | | | | | | | | | |
| SUSAP KBCEK2FR03 | R | 021EXAKYK2EA0E S | 031TF | | | | 03270033 | V 0950009508 | | -300 | A JS | G | |
| SUSAP KBCEK2FR03 | R | 030RW03 K2PG0GY M | 031TF | | | | 03270058 | 07630 | | -300 | A JS | G | |
| SUSAP KBCEK2FR03 | R | 040 | 0 M 010CA | | | | 0327 | + 07840 | | | A JS | G | |
| SUSAP KBCEK2FR03 | R | 050ETIK2EA0E | 010DF | | | | | | | | A JS | G | |
| SUSAP KBCEK2FR03 | R | 060WEKPIK2EA0E | 010TF | | | | 3580 | | | | A JS | G | |
| SUSAP KBCEK2FR03 | R | 070HURTUK2EA0EY | L010TFY | | | | 2654 | + 13000 | | | A JS | G | |
| SUSAP KBCEK2FR03 | R | 080HURTUK2EA0EE | R020HM | | | | 32400080 | + 13000 | | | A JS | G | |
| RUNWAY | 1234567890123456789012345678901234567890123456789012345678901234567890123456789012 | | | | | | | | | | | | |
| SUSAP KBCEK2GRW03 | | 0073950327 | N37415816W112091837-0500 | | | | +2293407590000040075R | | | | | G | |
| PP | 1234567890123456789012345678901234567890123456789012345678901234567890123456789012 | | | | | | | | | | | | |
| SUSAP KBCEK2PR03 | RW03 001 | 0000W03A0N3741581580W11209183650+229340300N3742593000W11207566100106750496000400F4005002182F47FG | | | | | | | | | | | |
| SUSAP KBCEK2PR03 | RW03 002E | +23134+23134LPV | 58116 | | | | | | | | | G | |
| MSA | 1234567890123456789012345678901234567890123456789012345678901234567890123456789012 | | | | | | | | | | | | |
| SUSAP KBCEK2SRW03 K2PG | | 0 | 18018012425 | | | | | | | | | M | G |

CITY AND STATE

BRYCE CANYON, UT

ELEVATION: 7590

TDZE: 7590

AIRPORT NAME:

BRYCE CANYON

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 3, ORIG

23 SEP 2010

SUP:

AMDT: NONE

DATED:

| RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE FAR PART 97.33 | | | | Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR. | | | | | | | | | | | |
|--|-------------------|---------------------|--|--|----------|----------------------|--------|--|---------|--------|-----|------------|--------|-----|---------|
| TERMINAL ROUTES | | | | MISSED APPROACH | | | | | | | | | | | |
| FROM | TO | COURSE AND DISTANCE | ALTITUDE | | | | | | | | | | | | |
| BCE VORTAC | HESPA (FO) | 042.42 / 25.97 | 13100 | LPV: DA LNAV/VNAV: DA CLIMB TO 12300 DIRECT OPAWO AND VIA TRACK 235.29 TO CEXAT AND HOLD. | | | | | | | | | | | |
| AXGEX (IAF) | HESPA (NOPT) (FB) | 280.50 / 39.71 | 12500 | | | | | | | | | | | | |
| OMUCE (IAF) | HESPA (NOPT) (FB) | 162.61 / 27.96 | 12500 | ADDITIONAL FLIGHT DATA: HOLD NE, RT, 226.36 INBOUND. CHART FAS OBST: 7573 ROAD 374252N/1120813W DISTANCE TO THLD FROM 315 HAT: 0.90 NM. WAAS CHANNEL # 99516 REFERENCE PATH ID: W21A | | | | | | | | | | | |
| UJACI (IAF) | HESPA (NOPT) (FB) | 232.53 / 13.15 | 12500 | | | | | | | | | | | | |
| HESPA (IF/IAF) | JUDEX (FB) | 212.92 / 6.04 | 11800 | | | | | | | | | | | | |
| 1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. HOLD NE HESPA, RT, 212.92 INBOUND, 12500 FT. IN LIEU OF PT (IAF) 3. FAC: <u>212.86</u> FAF: <u> </u> DIST FAF TO MAP: <u> </u> THLD: <u> </u> 4. MIN. ALT: <u>HESPA 12500</u> 5. DIST TO THLD FROM OM: <u>12.76</u> MM: <u> </u> IM: <u> </u> 150 HAT: <u> </u> 100 HAT: <u> </u> GS ANT: <u> </u> 6. MIN GS INCPT: <u>11800</u> GS ALT AT: <u>JUDEX</u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u>3.00</u> TCH: <u>40.0</u> 34:1 IS NOT CLEAR 8. MSA FROM: <u>RW21 12400</u> | | | | MAG VAR: <u>14E</u> EPOCH YEAR: <u>1980</u> | | | | | | | | | | | |
| MINIMUMS | | | | | | | | | | | | | | | |
| TAKEOFF: | STANDARD | X | SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N/A | STANDARD | | | | | | | | | | |
| CATEGORY =====> | A | | B | | C | | D | | E | | | | | | |
| | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA |
| LPV DA | 7879 | 1 1/4 | 315 | 7879 | 1 1/4 | 315 | 7879 | 1 1/4 | 315 | | NA | | | | |
| LNAV/VNAV DA | 8006 | 1 1/2 | 442 | 8006 | 1 1/2 | 442 | 8006 | 1 1/2 | 442 | | NA | | | | |
| CIRCLING | 8200 | 1 1/2 | 610 | 8200 | 1 1/2 | 610 | 8200 | 1 3/4 | 610 | | NA | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| NOTES: CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, PROCEDURE NA CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -30C (-22F) OR ABOVE 54C SEE 8260-10 | | | | | | | | | | | | | | | |
| CITY AND STATE | | | | ELEVATION: 7590 TDZE: 7564 | | FACILITY IDENTIFIER: | | PROCEDURE NO./AMDT NO./EFFECTIVE DATE: | | | | SUP: | | | |
| BRYCE CANYON, UT | | | | AIRPORT NAME: | | RNAV | | RNAV (GPS) RWY 21, ORIG 23 SEP 2010 | | | | AMDT: NONE | | | |
| | | | | BRYCE CANYON | | | | | | | | DATED | | | |

QUALITY
 5
 CHECKED

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.33

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NOTES CONT.

(130F)

CHART NOTE: CIRCLING REQUIRES DESCENT ON GLIDEPATH TO CMDA.

QUALITY
5
CHECKED

CITY AND STATE

BRYCE CANYON, UT

ELEVATION: 7590 TDZE: 7564

AIRPORT NAME:

BRYCE CANYON

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 21, ORIG

23 SEP 2010

SUP:

AMDT: NONE

DATED:

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

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

FAS DATA BLOCK INFORMATION

| <u>DATA FIELD</u> | <u>DATA</u> |
|--|---------------|
| OPERATION TYPE | 0 |
| SBAS SERVICE PROVIDER IDENTIFIER | 0 |
| AIRPORT IDENTIFIER | KBCE |
| RUNWAY | RW21 |
| APPROACH PERFORMANCE DESIGNATOR | 0 |
| ROUTE INDICATOR | 0 |
| REFERENCE PATH DATA SELECTOR | W21A |
| REFERENCE PATH IDENTIFIER (APPROACH ID) | 374248.2510N |
| LTP/FTP LATITUDE | 1120811.3895W |
| LTP/FTP LONGITUDE | +22824 |
| LTP/FTP ELLIPSOIDAL HEIGHT | 374147.1100N |
| FPAP LATITUDE | 1120933.1400W |
| FPAP LONGITUDE | 00040.0 |
| THRESHOLD CROSSING HEIGHT (TCH) | F |
| TCH UNITS SELECTOR (METERS OR FEET USED) | 03.00 |
| GLIDEPATH ANGLE (GPA) | 106.75 |
| COURSE WIDTH AT THRESHOLD | 0496 |
| LENGTH OFFSET | 40.0 |
| HORIZONTAL ALERT LIMIT (HAL) | 50.0 |
| VERTICAL ALERT LIMIT (VAL) | |

CRC REMAINDER C46B20F6

ADDITIONAL PATH POINT RECORD INFORMATION

| | |
|-------------------------|--------|
| ICAO CODE | K2 |
| LTP ORTHOMETRIC HEIGHT | +23023 |
| FPAP ORTHOMETRIC HEIGHT | +23023 |

QUALITY
CHECKED

| | | | | |
|------------------------------------|---|---------------------------------|--|------------------------------|
| CITY AND STATE BRYCE CANYON, UT | ELEVATION: 7590 TDZE: 7564 AIRPORT NAME: BRYCE CANYON | FACILITY IDENTIFIER: RNAV | PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 21, ORIG 23 SEP 2010 | SUP: AMDT: NONE DATED: |
|------------------------------------|---|---------------------------------|--|------------------------------|

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

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

QUALITY
b
CHECKED

| | | | | |
|---|---|--|--|-------------------|
| CITY AND STATE BRYCE CANYON, UT | ELEVATION: 7590 TDZE: 7564 AIRPORT NAME: BRYCE CANYON | FACILITY IDENTIFIER: RNAV | PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 21, ORIG 23 SEP 2010 | SUP: |
| | | | | AMDT: NONE |
| | | | | DATED: |

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

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

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 |
|---------|--|------------|--|-------------|---|---|---|-----------------------|---------|---|---|------|---|
| SEGMENT | 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012 | | | | | | | | | | | | |
| | SUSAP KBCEK2FR21 | R | 060CEXATK2EA0EY | 010TF | | | | 2353 | + 12300 | | | A JS | G |
| | SUSAP KBCEK2FR21 | R | 070CEXATK2EA0EE | R020HM | | | | 22640080 | + 12300 | | | A JS | G |
| RUNWAY | 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012 | | | | | | | | | | | | |
| | SUSAP KBCEK2GRW21 | 0073952127 | N37424825W112081139+0500 | | | | | +2282407554000040075R | | | | | G |
| PP | 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012 | | | | | | | | | | | | |
| | SUSAP KBCEK2PR21 | RW21 001 | 0000W21A0N3742482510W11208113895+228240300N3741471100W11209331400106750496000400F400500C46B20F6G | | | | | | | | | | |
| | SUSAP KBCEK2PR21 | RW21 002E | +23023+23023LPV | 99516 | | | | | | | | | G |
| MSA | 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012 | | | | | | | | | | | | |
| | SUSAP KBCEK2SRW21 | K2PG | 0 | 18018012425 | | | | | | | | M | G |

QUALITY
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CITY AND STATE
BRYCE CANYON, UT

ELEVATION: 7590 TDZE: 7564
 AIRPORT NAME:
 BRYCE CANYON

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
 RNAV (GPS) RWY 21, ORIG
 23 SEP 2010

SUP:
 AMDT: NONE
 DATED:

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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

(1) TAKEOFF MINIMUMS:

(2) TEXTUAL DEPARTURE PROCEDURE:
USE BRYCE DEPARTURE.

(3) TAKEOFF OBSTACLE NOTES:

(4) CONTROLLING OBSTACLES:



| | | | |
|--|------------------------------------|--|------------------------------|
| (5) City, State BRYCE CANYON, UT | (6) Airport BRYCE CANYON | (7) Effective Date 23 SEP 2010 | (8) Amdt. No. 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 | | | | MISSED APPROACH |
|-----------------|----|---------------------|----------|-------------------------|
| FROM | TO | COURSE AND DISTANCE | ALTITUDE | |
| | | | | |
| | | | | ADDITIONAL FLIGHT DATA: |

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

MAG VAR: _____ EPOCH YEAR: _____

| | | | | | | | | | | | | | | | | | |
|----------|-------|----------|--|---------|-----|-----|---------|-----|----------------|---------|-----|-----|---------|-----|-----|---------|--|
| TAKEOFF: | | STANDARD | SEE FAA FORM 8260-15A FOR THIS AIRPORT | | | | | | ALTERNATE: N A | | | | | | | | |
| CATEGORY | ====> | A | | | B | | | C | | | D | | | E | | | |
| | | MDA | VIS | HAT/HAA | MDA | VIS | HAT/HAA | MDA | VIS | HAT/HAA | MDA | VIS | HAT/HAA | MDA | VIS | HAT/HAA | |
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NOTES:

PROCEDURE CANCELED EFFECTIVE 23 SEP 2010

QUALITY
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|---|--|-------------------------------------|--|---|
| CITY AND STATE PETERSBURG, VA | ELEVATION: 193 TDZE: 193 AIRPORT NAME: DINWIDDIE COUNTY | FACILITY IDENTIFIER: IJLS | PROCEDURE NO./AMDT NO./EFFECTIVE DATE: LOC RWY 5, AMDT 2, 12/20/2007 | SUP AMDT 1A DATE 07/06/2006 |
|---|--|-------------------------------------|--|---|

[4910-13]

DEPARTMENT OF TRANSPORTATION

14 CFR Part 97

[Docket No. 30737 ; Amdt. No. 3385]

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.

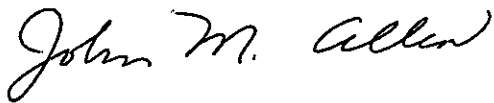
CONCLUSION

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 July 23, 2010

A handwritten signature in cursive script that reads "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 |
|-------------------|--------------|--------------------|--|-------------------|-----------------|--|
| 26-Aug-10 | VT | RUTLAND | RUTLAND-SOUTHERN VERMONT RGNL | 0/0059 | 7/1/10 | LOC Z RWY 19, AMDT 1B |
| 26-Aug-10 | KS | HAYS | HAYS RGNL | 0/0110 | 7/1/10 | VOR/DME RWY 16, AMDT 3E |
| 26-Aug-10 | NJ | TETERBORO | TETERBORO | 0/0117 | 7/7/10 | ILS OR LOC RWY 6, AMDT 29D |
| 26-Aug-10 | KY | LONDON | LONDON-CORBIN ARPT-MAGEE FLD | 0/1641 | 6/28/10 | ILS OR LOC RWY 6, AMDT 1 |
| 26-Aug-10 | KY | LONDON | LONDON-CORBIN ARPT-MAGEE FLD | 0/1642 | 6/28/10 | RNAV (GPS) RWY 6, ORIG |
| 26-Aug-10 | OH | DELAWARE | DELAWARE MUNI | 0/2960 | 6/22/10 | NDB RWY 10, ORIG |
| 26-Aug-10 | MN | GRAND RAPIDS | GRAND RAPIDS/ITASCA CO-GORDON NEWSTROM FLD | 0/3218 | 6/22/10 | RNAV (GPS) RWY 34, ORIG |
| 26-Aug-10 | PA | ERIE | ERIE INTL/TOM RIDGE FIELD | 0/5381 | 6/28/10 | ILS OR LOC RWY 6, AMDT 16 |
| 26-Aug-10 | MA | CHATHAM | CHATHAM MUNI | 0/5399 | 7/1/10 | RNAV (GPS) B, ORIG |
| 26-Aug-10 | MA | CHATHAM | CHATHAM MUNI | 0/5400 | 7/1/10 | NDB A, AMDT 1 |
| 26-Aug-10 | CA | MONTEREY | MONTEREY PENINSULA | 0/5488 | 6/28/10 | ILS OR LOC RWY 10R, AMDT 27 |
| 26-Aug-10 | CQ | SAIPAN | FRANCISCO C. ADA/SAIPAN INTL | 0/5800 | 6/22/10 | GPS RWY 25, AMDT 1B |
| 26-Aug-10 | CA | SAN DIEGO/EL CAJON | GILLESPIE FIELD | 0/6301 | 6/28/10 | TAKEOFF MINIMUMS AND OBSTACLE DP, AMDT 4 |
| 26-Aug-10 | MI | MANISTEE | MANISTEE CO-BLACKER | 0/6451 | 6/22/10 | ILS RWY 27, ORIG-A |
| 26-Aug-10 | OH | NEW PHILADELPHIA | HARRY CLEVER FIELD | 0/6705 | 6/22/10 | VOR A, AMDT 1 |
| 26-Aug-10 | OH | TOLEDO | TOLEDO EXPRESS | 0/6710 | 6/22/10 | RADAR-1, AMDT 19 |
| 26-Aug-10 | OH | COLUMBUS | PORT COLUMBUS INTL | 0/6711 | 6/28/10 | ILS OR LOC RWY 28R, AMDT 3 |
| 26-Aug-10 | OH | TOLEDO | TOLEDO EXPRESS | 0/6712 | 6/22/10 | RNAV (GPS) RWY 34, ORIG |
| 26-Aug-10 | OH | WAUSEON | FULTON COUNTY | 0/6713 | 6/28/10 | NDB OR GPS RWY 27, AMDT 7 |
| 26-Aug-10 | OH | OXFORD | MIAMI UNIVERSITY | 0/6715 | 6/22/10 | NDB OR GPS RWY 5, AMDT 10A |
| 26-Aug-10 | OH | COSHOCTON | RICHARD DOWNING | 0/6716 | 6/28/10 | GPS RWY 22, ORIG |

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|-----------|----|------------------------|----------------------------------|--------|---------|--|
| 26-Aug-10 | OH | ST CLAIRSVILLE | ALDERMAN | 0/6717 | 6/28/10 | VOR OR GPS A, AMDT 3 |
| 26-Aug-10 | OH | CAMBRIDGE | CAMBRIDGE MUNI | 0/6718 | 6/22/10 | VOR OR GPS A, AMDT 3A |
| 26-Aug-10 | OH | BARNESVILLE | BARNESVILLE- BRADFIELD | 0/6719 | 6/22/10 | VOR/DME RWY 27, ORIG-A |
| 26-Aug-10 | OH | ELYRIA | ELYRIA | 0/6720 | 6/28/10 | VOR OR GPS A, AMDT 7A |
| 26-Aug-10 | CA | BURBANK | BOB HOPE | 0/6747 | 6/28/10 | TAKEOFF MINIMUMS AND OBSTACLE DP, AMDT 4 |
| 26-Aug-10 | OH | BUCYRUS | PORT BUCYRUS- CRAWFORD COUNTY | 0/7188 | 6/28/10 | VOR OR GPS RWY 22, AMDT 4 |
| 26-Aug-10 | MA | NORTHAMPTON | NORTHAMPTON | 0/7264 | 6/22/10 | VOR/DME B, AMDT 5 |
| 26-Aug-10 | OK | HINTON | HINTON MUNI | 0/7447 | 6/22/10 | RNAV (GPS) RWY 35, AMDT 1 |
| 26-Aug-10 | OH | YOUNGSTOWN / WARREN | YOUNGSTOWN / WARREN RGNL | 0/7496 | 6/28/10 | ILS OR LOC RWY 32, AMDT 26 |
| 26-Aug-10 | CT | DANBURY | DANBURY MUNI | 0/7527 | 7/6/10 | LOC RWY 8, AMDT 5 |
| 26-Aug-10 | CT | DANBURY | DANBURY MUNI | 0/7530 | 7/6/10 | VOR OR GPS A, AMDT 9A |
| 26-Aug-10 | CT | DANBURY | DANBURY MUNI | 0/7532 | 7/6/10 | GPS RWY 8, AMDT 1 |
| 26-Aug-10 | ND | BISMARCK | BISMARCK MUNI | 0/8040 | 6/28/10 | ILS RWY 13, AMDT 2D |
| 26-Aug-10 | ND | BISMARCK | BISMARCK MUNI | 0/8042 | 6/28/10 | ILS OR LOC RWY 31, AMDT 32E |
| 26-Aug-10 | ND | BISMARCK | BISMARCK MUNI | 0/8043 | 6/28/10 | RADAR-1, AMDT 3A |
| 26-Aug-10 | MI | ALPENA | ALPENA COUNTY RGNL | 0/8129 | 7/1/10 | ILS OR LOC RWY 1, AMDT 8C |
| 26-Aug-10 | VT | BURLINGTON | BURLINGTON INTL | 0/8331 | 6/28/10 | VOR RWY 1, AMDT 11D |
| 26-Aug-10 | VT | BURLINGTON | BURLINGTON INTL | 0/8332 | 6/28/10 | RNAV (GPS) RWY 1, ORIG |
| 26-Aug-10 | VT | BURLINGTON | BURLINGTON INTL | 0/8333 | 6/28/10 | RNAV (GPS) Y RWY 15, ORIG |
| 26-Aug-10 | VT | BURLINGTON | BURLINGTON INTL | 0/8335 | 6/28/10 | RNAV (GPS) Z RWY 15, ORIG-A |
| 26-Aug-10 | VT | BURLINGTON | BURLINGTON INTL | 0/8337 | 6/28/10 | ILS OR LOC/DME RWY 15, AMDT 23B |
| 26-Aug-10 | MS | BAY ST LOUIS | STENNIS INTL | 0/8346 | 6/28/10 | ILS OR LOC RWY 18, ORIG-A |
| 26-Aug-10 | MS | BAY ST LOUIS | STENNIS INTL | 0/8347 | 6/28/10 | RNAV (GPS) RWY 18, ORIG |
| 26-Aug-10 | MS | BAY ST LOUIS | STENNIS INTL | 0/8348 | 6/28/10 | VOR A, AMDT 7 |
| 26-Aug-10 | OH | CLEVELAND | CLEVELAND-HOPKINS INTL | 0/8648 | 7/6/10 | RNAV (GPS) RWY 6L, AMDT 1 |
| 26-Aug-10 | OH | CLEVELAND | CLEVELAND-HOPKINS INTL | 0/8649 | 7/6/10 | ILS OR LOC/DME RWY 24R, AMDT 4 |
| 26-Aug-10 | OH | CLEVELAND | CLEVELAND-HOPKINS INTL | 0/8650 | 7/6/10 | ILS OR LOC RWY 28, AMDT 23A |

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|-----------|----|--------------|-----------------------------------|--------|--------|--|
| 26-Aug-10 | OH | CLEVELAND | CLEVELAND-HOPKINS INTL | 0/8652 | 7/6/10 | CONVERGING ILS RWY 24R, ORIG |
| 26-Aug-10 | OH | CLEVELAND | CLEVELAND-HOPKINS INTL | 0/8653 | 7/6/10 | CONVERGING ILS RWY 28, ORIG-A |
| 26-Aug-10 | OH | CLEVELAND | CLEVELAND-HOPKINS INTL | 0/8659 | 7/6/10 | ILS PRM RWY 6L (SIM CLOSE PARALLEL), ORIG-B |
| 26-Aug-10 | OH | CLEVELAND | CLEVELAND-HOPKINS INTL | 0/8660 | 7/6/10 | ILS PRM RWY 24R (SIM CLOSE PARALLEL), ORIG-A |
| 26-Aug-10 | OH | CLEVELAND | CLEVELAND-HOPKINS INTL | 0/8661 | 7/6/10 | LDA/DME RWY 6R, AMDT 1 |
| 26-Aug-10 | OH | CLEVELAND | CLEVELAND-HOPKINS INTL | 0/8662 | 7/6/10 | LDA/DME RWY 24L, AMDT 1 |
| 26-Aug-10 | OH | CLEVELAND | CLEVELAND-HOPKINS INTL | 0/8663 | 7/6/10 | LDA PRM RWY 6R (SIM CLOSE PARALLEL), AMDT 1A |
| 26-Aug-10 | OH | CLEVELAND | CLEVELAND-HOPKINS INTL | 0/8664 | 7/6/10 | LDA PRM RWY 24L (SIM CLOSE PARALLEL), ORIG-A |
| 26-Aug-10 | OH | CLEVELAND | CLEVELAND-HOPKINS INTL | 0/8665 | 7/6/10 | RNAV (GPS) RWY 6R, AMDT 2 |
| 26-Aug-10 | OH | CLEVELAND | CLEVELAND-HOPKINS INTL | 0/8666 | 7/6/10 | ILS OR LOC RWY 6R, AMDT 20A |
| 26-Aug-10 | OH | CLEVELAND | CLEVELAND-HOPKINS INTL | 0/8667 | 7/6/10 | ILS OR LOC RWY 6L, AMDT 2A |
| 26-Aug-10 | ND | GRAND FORKS | GRAND FORKS INTL | 0/8718 | 7/1/10 | RNAV (GPS) RWY 17R, ORIG-A |
| 26-Aug-10 | OH | LEBANON | LEBANON-WARREN COUNTY | 0/8781 | 7/1/10 | RNAV (GPS) RWY 1, ORIG-B |
| 26-Aug-10 | NY | HORNELL | HORNELL MUNI | 0/8923 | 7/1/10 | VOR/DME A, AMDT 4 |
| 26-Aug-10 | NY | HORNELL | HORNELL MUNI | 0/8924 | 7/1/10 | GPS RWY 36, ORIG-A |
| 26-Aug-10 | NY | HORNELL | HORNELL MUNI | 0/8926 | 7/1/10 | GPS RWY 18, ORIG-A |
| 26-Aug-10 | MI | GRAND RAPIDS | GERALD R. FORD INTL | 0/9017 | 7/1/10 | RADAR-1, AMDT 10B |
| 26-Aug-10 | CA | SAN JOSE | NORMAN Y. MINETA SAN JOSE INTL | 0/9024 | 7/1/10 | TAKEOFF MINIMUMS AND OBSTACLE DP, AMDT 6A |
| 26-Aug-10 | WV | LEWISBURG | GREENBRIER VALLEY | 0/9026 | 7/6/10 | VOR RWY 4, AMDT 1 |
| 26-Aug-10 | WV | LEWISBURG | GREENBRIER VALLEY | 0/9027 | 7/6/10 | ILS OR LOC RWY 4, AMDT 10 |
| 26-Aug-10 | ND | DEVILS LAKE | DEVILS LAKE RGNL | 0/9343 | 7/1/10 | VOR RWY 13, ORIG-A |
| 26-Aug-10 | CO | LAMAR | LAMAR MUNI | 0/9666 | 7/6/10 | RNAV (GPS) RWY 18, AMDT 1 |

AIRAC Date: 26 AUG 2010

FDC 0/0059 RUT FI/P RUTLAND - SOUTHERN VERMONT RGNL, RUTLAND, VT. LOC Z RWY 19, AMDT 1B... CHITT FIX MINIMUMS: S-19 CAT A/B VISIBILITY 1/2 MILE. DELETE NOTE: FOR INOPERATIVE MALSR, INCREASE CHITT FIX MINIMUMS S-19 CAT A AND B VISIBILITY 1/4 MILE. THIS IS LOC Z RWY 19, AMDT 1C.

FDC 0/0110 HYS FI/P HAYS RGNL, HAYS, KS. VOR/DME RWY 16, AMDT 3E... S-16 HAT 521 ALL CATS. CIRCLING MDA CATS A/B/C HAA 521, CAT D MDA 2560/HAA 561. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE RUSSELL ALTIMETER SETTING AND INCREASE ALL MDA 80 FEET AND CIRCLING CAT C VISIBILITY 1/4 MILE. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. TERMINAL ROUTE FROM DISKS TO HAYS (HYS) VORTAC 3900. PROCEDURE TURN COMPLETION ALTITUDE 3900. CHART ARPT ELEV 1999. CHART TDZE 1999. CHANGE DESCENT ANGLE TO 3.04. MISSED APPROACH: CLIMB TO 3800 VIA HYS R-152 THEN CLIMBING LEFT TURN TO 3900 DIRECT HYS VORTAC AND HOLD. THIS IS VOR/DME RWY 16, AMDT 3F.

FDC 0/0117 TEB FI/P TETERBORO, TETERBORO, NJ. ILS OR LOC RWY 6, AMDT 29D... TERMINAL ROUTE: VINGS INT/TEB 12.5 DME TO DANDY/TEB 6.4 DME/RADAR CHANGE MANDATORY ALTITUDE 1500 TO MINIMUM ALTITUDE 1500. CHART MANDATORY ALTITUDE 1500 AT DANDY/TEB 6.4 DME/RADAR IN PLANVIEW. THIS IS ILS OR LOC RWY 6, AMDT 29E.

FDC 0/1641 LOZ FI/P LONDON-CORBIN ARPT-MAGEE FLD, LONDON, KY. ILS OR LOC RWY 6, AMDT 1... S-ILS 6 DA 1462/HAT 250. VIS 1 ALL CATS. S-LOC 6 MDA 1720/HAT 508 ALL CATS. VIS CAT C 1 1/2. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA DELETE NOTE: IF LOCAL ALTIMETER SETTING NOT RECEIVED, USE SOMERSET ALTIMETER SETTING AND INCREASE ALL DAS/MDAS 100 FEET. ADD NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE SOMERSET ALTIMETER SETTING AND INCREASE ALL DAS/MDAS 100 FEET AND INCREASE VISIBILITY S-ILS 6 1/4 MILE ALL CATS, S-LOC 6 CAT C 1/4 MILE CAT D 1/2 MILE AND CIRCLING CAT C/D 1/4 MILE. THIS IS ILS OR LOC RWY 6, AMDT 1A.

FDC 0/1642 LOZ FI/P LONDON-CORBIN ARPT-MAGEE FLD, LONDON, KY. RNAV (GPS) RWY 6, ORIG... LPV DA 1466/HAT 254. VIS 1 ALL CATS. LNAV/VNAV DA 1602/HAT 390 ALL CATS. LNAV MDA 1720/HAT 508 ALL CATS. VIS CAT C 1 1/2. CIRCLING VIS CAT A/B 1. CHART FAS OBST: 1568 TOWER 370335N/0840958W CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA DELETE VDP. DELETE NOTE: IF LOCAL ALTIMETER SETTING NOT RECEIVED, USE SOMERSET ALTIMETER SETTING AND INCREASE ALL DAS/MDAS 100 FEET. ADD NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE SOMERSET ALTIMETER SETTING AND INCREASE ALL DAS/MDAS 100 FEET AND INCREASE VISIBILITY LPV 1/4 MILE ALL CATS, LNAV/VNAV 1/2 MILE ALL CATS, LNAV CAT C 1/4 MILE AND CAT D 1/2 MILE, AND CIRCLING CAT C/D 1/4 MILE. 34:1 IS NOT CLEAR. THIS IS RNAV (GPS) RWY 6, ORIG-A

FDC 0/2960 DLZ FI/P DELAWARE MUNI, DELAWARE, OH. NDB RWY 10, ORIG... S-10 MDA 1600/HAT 655 ALL CATS. VIS CAT C 1 3/4, CAT D 2. CIRCLING MDA 1600/HAA 655 ALL CATS. VIS CAT C 1 3/4. PORT COLUMBUS INTL ALTIMETER SETTING MINIMUMS S-10 MDA 1680/HAT 735 ALL CATS. VIS CAT C 2, CAT D 2 1/4. CIRCLING MDA 1680/HAA 735 ALL CATS. VIS CAT C 2, CAT D 2 1/4. CHART TDZE 945. THIS IS NDB RWY 10, ORIG-A.

FDC 0/3218 GPZ FI/P GRAND RAPIDS/ITASCA CO-GORDON NEWSTROM FLD, GRAND RAPIDS, MN. RNAV (GPS) RWY 34, ORIG... LNAV/VNAV DA 1927/HAT 572 ALL CATS, VISIBILITY 1 1/2 ALL CATS. DELETE NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE HIBBINGS ALTIMETER SETTING AND INCREASE ALL DA 68 FEET AND ALL MDA 80 FEET, INCREASE LNAV/VNAV ALL CATS, LNAV CAT D, AND CIRCLING CAT C VISIBILITY 1/4 MILE. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE HIBBING ALTIMETER SETTING AND INCREASE ALL DA 68 FEET AND ALL MDA 80 FEET, INCREASE LNAV/VNAV ALL CATS, LNAV CAT D VISIBILITY 1/4 MILE AND CIRCLING CAT C VISIBILITY 1/4 MILE. THIS IS RNAV (GPS) RWY 34, ORIG-A.

FDC 0/5381 ERI FI/P ERIE INTL / TOM RIDGE FIELD, ERIE, PA. ILS OR LOC RWY 6, AMDT 16... CHART NOTE: AUTOPILOT COUPLED APPROACH NA BELOW 1580. THIS IS ILS OR LOC RWY 6, AMDT 16A.

FDC 0/5399 CQX FI/P CHATHAM MUNI, CHATHAM, MA. RNAV (GPS) B, ORIG... ALTERNATE MINIMUMS STANDARD, EXCEPT NA WHEN LOCAL WEATHER NOT AVAILABLE. THIS IS RNAV (GPS) B, ORIG-A.

FDC 0/5400 CQX FI/P CHATHAM MUNI, CHATHAM, MA. NDB A, AMDT 1... CIRCLING HAA CAT A/B 537, CAT C/D 617. CHART AIRPORT ELEVATION: 63. THIS IS NDB A, AMDT 1A

FDC 0/5488 MRY FI/P MONTEREY PENINSULA, MONTEREY, CA. ILS OR LOC RWY 10R, AMDT 27... DELETE ALL REFERENCE TO MM DELETE NOTES: ILS UNUSABLE FROM MM INBOUND. CHART PROFILE VIEW NOTE: ILS UNUSABLE FROM I-MRY 0.5 NM INBOUND. THIS IS ILS OR LOC RWY 10R, AMDT 27A.

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. THIS IS GPS RWY 25, AMDT 1C.

FDC 0/6301 SEE FI/P GILLESPIE FIELD, SAN DIEGO/EL CAJON, CA. TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES... TAKEOFF MINIMUMS: RWY 17, STANDARD WITH MINIMUM CLIMB OF 440 FEET PER NM TO 1800. RWYS 27L, 27R, 2500-2 OR STANDARD WITH MINIMUM CLIMB OF 411 FEET PER NM TO 2500. ALL OTHER DATA REMAINS AS PUBLISHED. THIS IS TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES, AMDT 4A.

FDC 0/6451 MBL FI/P MANISTEE CO.-BLACKER, MANISTEE, MI. ILS RWY 27, ORIG-A... CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT. MSA FROM MANISTEE (MBL) VOR/DME 045-135 3600, 135-045 2500. THIS IS ILS OR LOC RWY 27, ORIG-B.

FDC 0/6705 PHD FI/P HARRY CLEVER FIELD, NEW PHILADELPHIA, OH. VOR A, AMDT 1... CIRCLING MDA 1680/HAA 786 ALL CATS. VIS CAT B 1 1/4, CAT C 2 1/4. ALTERNATE MINIMUMS: STANDARD, EXCEPT CAT C 800-2 1/4. THIS IS VOR A, AMDT 1A.

FDC 0/6710 TOL FI/P TOLEDO EXPRESS, TOLEDO, OH. RADAR-1, AMDT 19... S-34 MDA 1080/HAT 412 ALL CATS. VIS CAT C 1 1/4, CAT E 1 1/2. CIRCLING CATS A/B/C HAA 497, CAT D HAA 557, CAT E HAA 677. CHANGE INOPERATIVE TABLE NOTES TO READ: FOR INOPERATIVE ALSF-2, INCREASE S-7 CAT D VISIBILITY TO RVR 6000, CAT E TO 1 1/2. FOR INOPERATIVE MALSR, INCREASE S-25 CAT D/E VISIBILITY TO 1 1/4. AIRPORT ELEVATION: 683. THIS IS RADAR-1, AMDT 19A.

FDC 0/6711 CMH FI/P PORT COLUMBUS INTL, COLUMBUS, OH. ILS OR LOC RWY 28R, AMDT 3... CHART NOTE: AUTOPILOT COUPLED APPROACH NA BELOW 2023. DELETE PLANVIEW NOTE: ADF REQUIRED CHART NOTE: ADF REQUIRED. THIS IS ILS OR LOC RWY 28R, AMDT 3A.

FDC 0/6712 TOL FI/P TOLEDO EXPRESS, TOLEDO, OH. RNAV (GPS) RWY 34, ORIG... LNAV MDA 1080/HAT 412 ALL CATS. VIS CAT C 1 1/4. CIRCLING CATS A/B/C HAA 497, CAT D HAA 557. ALTERNATE MINIMUMS: STANDARD. DELETE NOTE: GPS OR RNP-0.3 REQUIRED. CHART FAS OBSTACLE: 829 TOWER 413229N/0834514W. CHART VDP AT 1.13 NM TO RW34. AIRPORT ELEVATION: 683 THIS IS RNAV (GPS) RWY 34, ORIG-A.

FDC 0/6713 USE FI/P FULTON COUNTY, WAUSEON, OH. NDB OR GPS RWY 27, AMDT 7... S-27 ALL CATS HAT 523. PROCEDURE TURN COMPLETION MINIMUM ALTITUDE 2400. CHANGE MISSED APPROACH TO READ: CLIMB TO 2300, THEN CLIMBING RIGHT TURN TO 2400 DIRECT FULTON (USE) NDB AND HOLD. TERMINAL ROUTE WATERVILLE (VWV) VOR/DME TO FULTON (USE) NDB MINIMUM ALTITUDE 2400. TOUCHDOWN ZONE ELEVATION: 777 THIS IS NDB OR GPS RWY 27, AMDT 7A.

FDC 0/6715 OXD FI/P MIAMI UNIVERSITY, OXFORD, OH. NDB OR GPS RWY 5, AMDT 10A... S-5 CATS A/B/C HAT 619. CIRCLING CATS A/B/C HAA 619. GROSS FIX MINIMUMS: S-5 CATS A/B/C HAT 419. CIRCLING CAT A HAA 419, CAT B HAA 459, CAT C HAA 559. CHANGE ALTIMETER SETTING NOTE TO READ: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE COVINGTON, KY ALTIMETER SETTING AND INCREASE ALL MDA 100 FEET AND ALL VISIBILITY 1/4 MILE. TOUCHDOWN ZONE ELEVATION: 1041 AIRPORT ELEVATION: 1041 MSA FROM OXFORD NDB (OXD) 25 NM 360-180 3100, 180-360 2600. THIS IS NDB OR GPS RWY 5, AMDT 10B.

FDC 0/6716 I40 FI/P RICHARD DOWNING, COSHOCTON, OH. GPS RWY 22, ORIG... DELETE NOTE: OBTAIN LOCAL ALTIMETER SETTING ON CTAF; WHEN NOT RECEIVED, USE ZANESVILLE ALTIMETER SETTING. ADD NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ZANESVILLE ALTIMETER SETTING. ADD: VDP AT 2.01 NM TO RW22. ADD NOTE: VDP NA WITH ZANESVILLE ALTIMETER SETTING. THIS IS GPS RWY 22, ORIG A.

FDC 0/6717 2P7 FI/P ALDERMAN, ST CLAIRSVILLE, OH. VOR OR GPS A, AMDT 3... CIRCLING CATS A/B MDA 1920/HAA 733. CHANGE ALTIMETER SETTING NOTE TO READ: USE WHEELING, WV ALTIMETER SETTING; WHEN NOT RECEIVED, USE PITTSBURGH INTL ALTIMETER SETTING AND INCREASE ALL MDA 80 FEET AND CAT B VISIBILITY 1/4 MILE. DELETE: DME MINIMUMS, AIR 5.5 DME FIX AND ALT. DELETE PROFILE NOTE: (ATTENTION SYMBOL) 2040 WHEN USING GREATER PITTSBURGH ALTIMETER SETTING. CHART: WHEELING, WV ASOS. THIS IS VOR A, AMDT 3A.

FDC 0/6718 CDI FI/P CAMBRIDGE MUNI, CAMBRIDGE, OH. VOR OR GPS A, AMDT 3A... MSA FROM ZANESVILLE (ZZV) VOR/DME 2700. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ZANESVILLE ALTIMETER SETTING AND INCREASE ALL MDA 40 FEET AND CAT C VISIBILITY 1/4 MILE. AIRPORT ELEVATION: 799 CIRCLING CATS A/B HAA 681 CAT C MDA 1520/HAA 721. THIS IS VOR OR GPS A, AMDT 3B.

FDC 0/6719 6G5 FI/P BARNESVILLE-BRADFIELD, BARNESVILLE, OH. VOR/DME RWY 27, ORIG-A... S-27 CATS A/B MDA 1880/HAT 568. CIRCLING CATS A/B HAA 568. ADD DESCENT ANGLE/TCH: BAFEL TO RW27: 3.13/40 TOUCHDOWN ZONE ELEVATION: 1312 AIRPORT ELEVATION: 1312. THIS IS VOR/DME RWY 27, ORIG-B.

FDC 0/6720 1G1 FI/P ELYRIA, ELYRIA, OH. VOR OR GPS A, AMDT 7A... CIRCLING MDA 1280/HAA 522 CATS A/B/C. MSA FROM DRYER (DJB) VOR/DME 25 NM 3100. AIRPORT ELEVATION: 758. THIS IS VOR OR GPS A, AMDT 7B.

FDC 0/6747 BUR FI/P BOB HOPE, BURBANK, CA. TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES... TAKEOFF MINIMUMS: RWY 26, 200-1 1/4 OR STANDARD WITH MINIMUM CLIMB OF 212 FT PER NM TO 1000, OR ALTERNATIVELY, WITH STANDARD TAKEOFF MINIMUMS AND A NORMAL 200 FT PER NM CLIMB GRADIENT, TAKEOFF MUST OCCUR NO LATER THAN 1400 FT PRIOR TO DEPARTURE END OF RUNWAY. CONTROLLING OBSTACLES: RWY 26: 894 MSL TOWER 341207.95N-1182322.83W, RWY 33: 1333 MSL TOWER 341425.00N-1182142.00W RWY 33, 1100-2 OR STANDARD WITH MINIMUM CLIMB OF 441 FT PER NM TO 2000. ALL OTHER DATA REMAINS AS PUBLISHED. THIS IS TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES, AMDT 4A.

FDC 0/7188 17G FI/P PORT BUCYRUS-CRAWFORD COUNTY, BUCYRUS, OH. VOR OR GPS RWY 22, AMDT 4... S-22 MDA CATS A/B/C 1700/HAT 697. CAT C VISIBILITY 2. CIRCLING MDA CATS A/B/C 1700/HAA 697. CAT C VISIBILITY 2. ADD DESCENT ANGLE/TCH: SONDE TO RW22: 3.25/40 CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT. DELETE FINDLAY ALTIMETER SETTING MINIMUMS. AIRPORT ELEVATION: 1003 TOUCHDOWN ZONE ELEVATION: 1003 CHART FAS OBST: 1281 TOWER 405124N/0825714W. CHANGE ALTIMETER SETTING NOTE TO READ: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE MANSFIELD ALTIMETER SETTING. THIS IS VOR OR GPS RWY 22, AMDT 4A..

FDC 0/7264 7B2 FI/P NORTHAMPTON, NORTHAMPTON, MA. VOR/DME B, AMDT 5... CHART APT ELEV 121. CIRCLING: MDA 1300/HAA 1179 ALL CATS, VISIBILITY CAT A 1 1/4, CAT B 1 1/2. WINDSOR LOCKS ALTIMETER SETTING MINIMUMS: CIRCLING: MDA 1360/HAA 1239 ALL CATS, VISIBILITY CAT A 1 1/4, CAT B 1 1/2. THIS IS VOR/DME B, AMDT 5A.

FDC 0/7447 208 FI/P HINTON MUNI, HINTON, OK. RNAV (GPS) RWY 35, AMDT 1... LNAV/VNAV CATS A/B DA 2211/HAT 624, VIS 2. LNAV CATS A/B MDA 2220/HAT 633. CIRCLING CATS A/B MDA 2220/HAA 633. CHART WEATHERFORD AWOS-3. THIS IS RNAV (GPS) RWY 35, AMDT 1A.

FDC 0/7496 YNG FI/P YOUNGSTOWN/WARREN RGNL, YOUNGSTOWN/WARREN, OH. ILS OR LOC RWY 32, AMDT 26... CHART NOTE: RVR 1800 AUTHORIZED WITH THE USE OF FD OR AP OR HUD TO DA. ADD ATTENTION SYMBOL TO MAKE NOTE APPLY TO S-ILS 32 LINE OF MINIMUMS. THIS IS ILS OR LOC RWY 32, AMDT 26A.

FDC 0/7527 DXR FI/P DANBURY MUNI, DANBURY, CT. LOC RWY 8, AMDT 5... CIRCLING MDA 1380/HAA 922 ALL CATS. VIS CATS A,B 1 1/4, CAT C 2 3/4, CAT D 3. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. ALTERNATE MINIMUMS: CATS A,B 1000-2, CAT C 1000-2 3/4, CAT D 1000-3. NA WHEN LOCAL WEATHER NOT AVAILABLE. CHANGE NOTE TO READ: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE WATERBURY- OXFORD ALTIMETER SETTING AND INCREASE ALL MDA 80 FEET, AND INCREASE VISIBILITY CAT B TO 1 1/2 AND CAT C TO 3. THIS IS LOC RWY 8, AMDT 5A.

FDC 0/7530 DXR FI/P DANBURY MUNI, DANBURY, CT. VOR OR GPS A, AMDT 9A... CIRCLING MDA 1380/HAA 922 ALL CATS. MSA FROM CMK VOR/DME 25NM: 180 TO 090 MSA 2900, 090 TO 180 MSA 2300. THIS IS VOR OR GPS A, AMDT 9B.

FDC 0/7532 DXR FI/P DANBURY MUNI, DANBURY, CT. GPS RWY 8, AMDT 1... CIRCLING MDA 1380/HAA 922 ALL CATS. VIS CATS A,B 1 1/4, CAT C 2 3/4, CAT D 3. MISSED APPROACH: CLIMBING LEFT TURN TO 3000 DIRECT ANDLE AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3000. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. MSA FROM RW08 3000. ALTERNATE MINIMUMS: CATS A/B 1000-2, CAT C 1000-2 3/4, CAT D 1000-3. THIS IS GPS RWY 8, AMDT 1A.

FDC 0/8040 BIS FI/P BISMARCK MUNI, BISMARCK, ND. ILS RWY 13, AMDT 2D... ALTERNATE MINIMUMS: ILS: 700-2 ALL CATS, NA WHEN CONTROL TOWER CLOSED; LOC: NA. THIS IS ILS OR LOC RWY 13, AMDT 2E.

FDC 0/8042 BIS FI/P BISMARCK MUNI, BISMARCK, ND. ILS OR LOC RWY 31, AMDT 32E... S-ILS 31: (ATTENTION SYMBOL) DA 1845 ALL CATS. CIRCLING CAT D MDA 2280/HAA 619. OFTEN INT MINIMUMS: S-LOC 31 MDA 2000/HAA 355 ALL CATS. DELETE NOTE: OFTEN INT CAT D INCREASE VISIBILITY TO 5000 FOR INOPERATIVE MALSR. ALTERNATE MINIMUMS: ILS: STANDARD, EXCEPT CAT D 700-2, NA WHEN CONTROL TOWER CLOSED; LOC: NA. THIS IS ILS OR LOC RWY 31, AMDT 32F.

FDC 0/8043 BIS FI/P BISMARCK MUNI, BISMARCK, ND. RADAR-1, AMDT 3A...
CIRCLING CAT D MDA 2280/HAA 619. THIS IS RADAR-1, AMDT 3B.

FDC 0/8129 APN FI/P ALPENA COUNTY RGNL, ALPENA, MI. ILS OR LOC RWY
1, AMDT 8C... MSA FROM ALPENA (APN) VORTAC 360-270 2700, 270-360 3500.
THIS IS ILS OR LOC RWY 1, AMDT 8D.

FDC 0/8331 BTV FI/P BURLINGTON INTL, BURLINGTON, VT. VOR RWY 1,
AMDT 11D... CHART NOTE: WHEN VGSI INOP, STRAIGHT-IN/CIRCLING RWY
1 PROCEDURE NA AT NIGHT. CHART NOTE: VISIBILITY REDUCTION BY
HELICOPTERS NA. PT MINIMUM ALTITUDE 2800. CHANGE MISSED
APPROACH TO READ: CLIMB TO 3200 ON BTV R-036 TO JRVIS INT/BTV 16.15
DME AND HOLD. THIS IS VOR RWY 1, AMDT 11E.

FDC 0/8332 BTV FI/P BURLINGTON INTL, BURLINGTON, VT. RNAV (GPS) RWY
1, ORIG... CHART NOTE: WHEN VGSI INOP, STRAIGHT-IN/CIRCLING RWY 1
PROCEDURE NA AT NIGHT. DELETE NOTE: PROCEDURE NA AT NIGHT.
DELETE NOTE: GPS OR RNP-0.3 REQUIRED. CHART NOTE: VISIBILITY
REDUCTION BY HELICOPTERS NA. CHART PROFILE NOTE: VGSI AND
DESCENT ANGLES NOT COINCIDENT. THIS IS RNAV (GPS) RWY 1, ORIG-A.

FDC 0/8333 BTV FI/P BURLINGTON INTL, BURLINGTON, VT. RNAV (GPS) Y
RWY 15, ORIG... DELETE NOTE: CIRCLING TO RWY 1 NA AT NIGHT. DELETE
NOTE: GPS OR RNP-0.3 REQUIRED. CHART NOTE: WHEN VGSI INOP,
CIRCLING RWY 1 NA AT NIGHT. THIS IS RNAV (GPS) Y RWY 15, ORIG-A.

FDC 0/8335 BTV FI/P BURLINGTON INTL, BURLINGTON, VT. RNAV (GPS) Z
RWY 15, ORIG-A... DELETE NOTE: CIRCLING TO RWY 1 NA AT NIGHT.
DELETE NOTE: GPS OR RNP-0.3 REQUIRED. DELETE NOTE: BARO-VNAV NA
BELOW -15C (5F). CHART NOTE: FOR UNCOMPENSATED BARO-VNAV
SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 54C (130F). CHART
NOTE: WHEN VGSI INOP, CIRCLING RWY 1 NA AT NIGHT. THIS IS RNAV
(GPS) Z RWY 15, ORIG-B.

FDC 0/8337 BTV FI/P BURLINGTON INTL, BURLINGTON, VT. ILS OR LOC/DME
RWY 15, AMDT 23B... CHART NOTE: WHEN VGSI INOP, CIRCLING RWY 1 NA
AT NIGHT. THIS IS ILS OR LOC/DME RWY 15, AMDT 23C.

FDC 0/8346 HSA FI/P STENNIS INTL, BAY ST LOUIS, MS. ILS OR LOC RWY 18,
ORIG-A... CIRCLING CATS A/B/C MDA 520/HAA 497. CHANGE ALTIMETER
SETTING NOTE TO READ: WHEN LOCAL ALTIMETER SETTING NOT
RECEIVED, USE GULFPORT ALTIMETER SETTING AND INCREASE DA TO 270
FEET AND ALL MDA 60 FEET. ALTERNATE MINIMUMS: ILS STANDARD, LOC
STANDARD; EXCEPT NA WHEN LOCAL WEATHER NOT AVAILABLE. THIS IS
ILS OR LOC RWY 18, ORIG-B.

FDC 0/8347 HSA FI/P STENNIS INTL, BAY ST LOUIS, MS. RNAV (GPS) RWY 18, ORIG... CIRCLING CATS A/B/C MDA 520/HAA 497. CHANGE ALTIMETER SETTING NOTE TO READ: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE GULFPORT ALTIMETER SETTING AND INCREASE ALL MDA 60 FEET. THIS IS RNAV (GPS) RWY 18, ORIG-A.

FDC 0/8348 HSA FI/P STENNIS INTL, BAY ST LOUIS, MS. VOR A, AMDT 7... CIRCLING CATS A/B/C MDA 520/HAA 497. CHANGE ALTIMETER SETTING NOTE TO READ: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE GULFPORT ALTIMETER SETTING AND INCREASE ALL MDA 60 FT. THIS IS VOR A, AMDT 7A.

FDC 0/8648 CLE FI/P CLEVELAND-HOPKINS INTL, CLEVELAND, OH. RNAV (GPS) RWY 6L, AMDT 1... CIRCLING CAT C MDA/HAA 1320/529. THIS IS RNAV (GPS) RWY 6L, AMDT 1A.

FDC 0/8649 CLE FI/P CLEVELAND-HOPKINS INTL, CLEVELAND, OH. ILS OR LOC/DME RWY 24R, AMDT 4... MSA DRYER (DJB) VOR/DME 25 NM 360-360 3100. THIS IS ILS OR LOC/DME RWY 24R, AMDT 4A.

FDC 0/8650 CLE FI/P CLEVELAND-HOPKINS INTL, CLEVELAND, OH. ILS OR LOC RWY 28, AMDT 23A... MSA DRYER (DJB) VOR/DME 25 NM 360-360 3100. THIS IS ILS OR LOC RWY 28, AMDT 23B.

FDC 0/8652 CLE FI/P CLEVELAND-HOPKINS INTL, CLEVELAND, OH. CONVERGING ILS RWY 24R, ORIG... MSA DRYER (DJB) VOR/DME 25 NM 360-360 3100. THIS IS CONVERGING ILS RWY 24R, ORIG-A.

FDC 0/8653 CLE FI/P CLEVELAND-HOPKINS INTL, CLEVELAND, OH. CONVERGING ILS RWY 28, ORIG-A... MSA DRYER (DJB) VOR/DME 25 NM 360-360 3100. THIS IS CONVERGING ILS RWY 28, ORIG-B.

FDC 0/8659 CLE FI/P CLEVELAND-HOPKINS INTL, CLEVELAND, OH. ILS PRM RWY 6L (SIMULTANEOUS CLOSE PARALLEL), ORIG-B... MSA DRYER (DJB) VOR/DME 25 NM 360-360 3100. THIS IS ILS PRM RWY 6L (SIMULTANEOUS CLOSE PARALLEL), ORIG-C.

FDC 0/8660 CLE FI/P CLEVELAND-HOPKINS INTL, CLEVELAND, OH. ILS PRM RWY 24R (SIMULTANEOUS CLOSE PARALLEL), ORIG-A... MSA DRYER (DJB) VOR/DME 25 NM 360-360 3100. THIS IS ILS PRM RWY 24R (SIMULTANEOUS CLOSE PARALLEL), ORIG-B.

FDC 0/8661 CLE FI/P CLEVELAND-HOPKINS INTL, CLEVELAND, OH. LDA/DME RWY 6R, AMDT 1... MSA DRYER (DJB) VOR/DME 25 NM 360-360 3100. THIS IS LDA/DME RWY 6R, AMDT 1A.

FDC 0/8662 CLE FI/P CLEVELAND-HOPKINS INTL, CLEVELAND, OH. LDA/DME RWY 24L, AMDT 1... MSA DRYER (DJB) VOR/DME 25 NM 360-360 3100. THIS IS LDA/DME RWY 24L, AMDT 1A.

FDC 0/8663 CLE FI/P CLEVELAND-HOPKINS INTL, CLEVELAND, OH. LDA PRM RWY 6R (SIMULTANEOUS CLOSE PARALLEL), AMDT 1A... MSA DRYER (DJB) VOR/DME 25 NM 360-360 3100. THIS IS LDA PRM RWY 6R (SIMULTANEOUS CLOSE PARALLEL), AMDT 1B.

FDC 0/8664 CLE FI/P CLEVELAND-HOPKINS INTL, CLEVELAND, OH. LDA PRM RWY 24L (SIMULTANEOUS CLOSE PARALLEL), ORIG-A... MSA DRYER (DJB) VOR/DME 25 NM 360-360 3100. THIS IS LDA PRM RWY 24L (SIMULTANEOUS CLOSE PARALLEL), ORIG-B.

FDC 0/8665 CLE FI/P CLEVELAND-HOPKINS INTL, CLEVELAND, OH. RNAV (GPS) RWY 6R, AMDT 2... CIRCLING CAT C MDA/HAA 1320/529. THIS IS RNAV (GPS) RWY 6R, AMDT 2A.

FDC 0/8666 CLE FI/P CLEVELAND-HOPKINS INTL, CLEVELAND, OH. ILS OR LOC RWY 6R, AMDT 20A... MSA DRYER (DJB) VOR/DME 25 NM 360-360 3100. CIRCLING CAT C MDA/HAA 1320/529. THIS IS ILS OR LOC RWY 6R, AMDT 20B.

FDC 0/8667 CLE FI/P CLEVELAND-HOPKINS INTL, CLEVELAND, OH. ILS OR LOC RWY 6L, AMDT 2A... MSA DRYER (DJB) VOR/DME 25 NM 360-360 3100. CIRCLING CAT C MDA/HAA 1320/529. THIS IS ILS OR LOC RWY 6L, AMDT 2B.

FDC 0/8718 GFK FI/P GRAND FORKS INTL, GRAND FORKS, ND. RNAV (GPS) RWY 17R, ORIG-A... LPV DA 1107/HAT 264 ALL CATS. VIS ALL CATS 1. LNAV/VNAV DA 1157/HAT 314 ALL CATS. DELETE NOTE: IF LOCAL ALTIMETER SETTING NOT RECEIVED USE CROOKSTON ALTIMETER SETTING AND INCREASE ALL DAS/MDAS 80 FEET. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE CROOKSTON ALTIMETER SETTING AND INCREASE ALL DA/MDA 80 FEET AND INCREASE LPV AND LNAV/VNAV ALL CATS VISIBILITY 1/4 MILE AND LNAV CATS C AND D VISIBILITY 1/4 MILE. THIS IS RNAV (GPS) RWY 17R, ORIG-B.

FDC 0/8781 I68 FI/P LEBANON-WARREN COUNTY, LEBANON, OH. RNAV (GPS) RWY 1, ORIG-B... CIRCLING CATS A/B MDA 1440/HAA 542. DAYTON-WRIGHT BROTHERS ALTIMETER SETTING MINIMUMS: CIRCLING CATS A/B MDA 1480/HAA 582. DELETE NOTE: OBTAIN LOCAL ALTIMETER SETTING ON CTAF; WHEN NOT RECEIVED USE DAYTON-WRIGHT BROTHERS ALTIMETER SETTING. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE DAYTON-WRIGHT BROTHERS ALTIMETER SETTING. DELETE NOTE: GPS OR RNP-0.3 REQUIRED. THIS IS RNAV (GPS) RWY 1, ORIG-C.

FDC 0/8923 4G6 FI/P HORNELL MUNI, HORNELL, NY. VOR/DME A, AMDT 4...
CIRCLING MDA 2480/HAA 1260 ALL CATS. ELMIRA/CORNING RGNL
ALTIMETER SETTING MINIMUMS: CIRCLING MDA 2760/HAA 1540 ALL CATS.
DELETE NOTE: OBTAIN LOCAL ALTIMETER SETTING ON CTAF, WHEN NOT
RECEIVED USE ELMIRA/CORNING RGNL ALTIMETER SETTING. CHART
NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE
ELMIRA/CORNING RGNL ALTIMETER SETTING. THIS IS VOR/DME A, AMDT
4A

FDC 0/8924 4G6 FI/P HORNELL MUNI, HORNELL, NY. GPS RWY 36, ORIG-A... S-
36 MDA 2620/HAT 1425 ALL CATS. CIRCLING MDA 2620/HAA 1400 ALL CATS.
ELMIRA/CORNING RGNL ALTIMETER SETTING MINIMUMS: S-36 MDA
2900/HAT 1705 ALL CATS. CIRCLING MDA 2900/HAA 1680 ALL CATS. DELETE
NOTE: OBTAIN LOCAL ALTIMETER ON CTAF, WHEN NOT RECEIVED USE
ELMIRA/CORNING RGNL ALTIMETER SETTING. CHART NOTE: WHEN LOCAL
ALTIMETER SETTING NOT RECEIVED, USE ELMIRA/CORNING RGNL
ALTIMETER SETTING. CHART NOTE: VISIBILITY REDUCTION BY
HELICOPTERS NA. CHART TDZE 1195. THIS IS GPS RWY 36, ORIG-B.

FDC 0/8926 4G6 FI/P HORNELL MUNI, HORNELL, NY. GPS RWY 18, ORIG-A... S-
18 MDA 2280/HAT 1067 ALL CATS. ELMIRA/CORNING RGNL ALTIMETER
SETTING MINIMUMS: S-18 MDA 2560/HAT 1347 ALL CATS. CIRCLING CATS
A/B MDA 2620/HAA 1400, CAT C MDA 2720/HAA 1500. DELETE PROFILE NOTE:
VGSI AND DESCENT ANGLES NOT COINCIDENT. DELETE NOTE: OBTAIN
LOCAL ALTIMETER SETTING ON CTAF, WHEN NOT RECEIVED USE
ELMIRA/CORNING RGNL ALTIMETER SETTING. CHART NOTE: VISIBILITY
REDUCTION BY HELICOPTERS NA. CHART NOTE: WHEN LOCAL ALTIMETER
SETTING NOT RECEIVED, USE ELMIRA/CORNING RGNL ALTIMETER
SETTING. DELETE FAS OBST: 1999 TREE 422534N/0774052W. CHART FAS
OBST: 2019 TREE 422543N/0774054W. THIS IS GPS RWY 18, ORIG-B.

FDC 0/9017 GRR FI/P GERALD R. FORD INTL, GRAND RAPIDS, MI. RADAR-1,
AMDT 10B... ASR 26R MDA 1280/HAT 493 ALL CATS, VIS CAT C 1 1/4, CAT D 1
1/2. ASR 8L MDA 1220/HAT 433 ALL CATS. VIS CAT D 1 1/2. THIS IS RADAR-1,
AMDT 10C.

FDC 0/9024 SJC FI/P NORMAN Y. MINETA SAN JOSE INTL, SAN JOSE, CA. TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES AMDT 6A... NOTE: RWY 11, TREE 1837 FT FROM DER, 230 FT RIGHT OF CENTERLINE, 61 FT AGL/116 FT MSL. TREE 3410 FT FROM DER, 306 FT RIGHT OF CENTERLINE, 92 FT AGL/154 FT MSL. RWY 12L, TREES 286 FT FROM DER, 68 FT RIGHT OF CENTERLINE, UP TO 62 FT AGL/124 FT MSL. MULTIPLE TREES AND ANTENNAS BEGINNING 191 FT FROM DER, 228 FT LEFT OF CENTERLINE, UP TO 82 FT AGL/144 FT MSL. TOWER 1731 FT FROM DER, 729 FT LEFT OF CENTERLINE, 86 FT AGL/153 FT MSL. TOWER 3047 FT FROM DER, 543 FT LEFT OF CENTERLINE, 73 FT AGL/144 FT MSL. LIGHT ON BLAST FENCE 156 FT FROM DER, 57 FT LEFT OF CENTERLINE, 11 FT AGL/73 FT MSL. LIGHT POLE 191 FT FROM DER, 81 FT LEFT OF CENTERLINE, 16 FT AGL/78 FT MSL. BLDG 1.34 NM FROM DER, 1008 FT LEFT OF CENTERLINE, 243 FT AGL/329 FT MSL. RWY 12R, MULTIPLE TREES 269 FT FROM DER, 149 FT RIGHT OF CENTERLINE, UP TO 80 FT AGL/100 FT MSL. MULTIPLE TREES 285 FT FROM DER, 193 FT LEFT OF CENTERLINE, UP TO 82 FT AGL/144 FT MSL. POLE 1948 FT FROM DER, 688 FT RIGHT OF CENTERLINE, 66 FT AGL/128 FT MSL. POLE 1597 FT FROM DER, 685 FT RIGHT OF CENTERLINE, 56 FT AGL/118 FT MSL. OL ON BLAST FENCE 45 FT FROM DER, 115 FT RIGHT OF CENTERLINE, 13 FT AGL/75 FT MSL. VEHICLES ON ROAD 338 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 17 FT AGL/ 82 FT MSL. POLE 1273 FT FROM DER, 279 FT RIGHT OF CENTERLINE, 42 FT AGL/104 FT MSL. OL ON LOCALIZER, 10 FT FROM DER, ON CENTERLINE, 6 FT AGL/68 FT MSL. TOWER 3046 FT FROM DER, 1243 FT LEFT OF CENTERLINE, 82 FT AGL/144 FT MSL. BLDG 1.34 NM FROM DER 1708 FT LEFT OF CENTERLINE, 243 FT AGL/329 FT MSL. ALL OTHER DATA REMAINS AS PUBLISHED. THIS IS TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES , AMDT 6B.

FDC 0/9026 LWB FI/P GREENBRIER VALLEY, LEWISBURG, WV. VOR RWY 4, AMDT 1... ADD NOTE: RADAR REQUIRED. MISSED APPROACH: CLIMB TO 4000, THEN CLIMB TO 6000 VIA LWB R-028 TO EBALY INT AND HOLD SW, RT, 028 INBOUND, CONTINUE CLIMB-IN-HOLD TO 6000. THIS IS VOR RWY 4, AMDT 1A.

FDC 0/9027 LWB FI/P GREENBRIER VALLEY, LEWISBURG, WV. ILS OR LOC RWY 4, AMDT 10... ADD NOTE: RADAR REQUIRED. MISSED APPROACH: CLIMB TO 4000, THEN CLIMB TO 6000 VIA LWB VOR/DME R-028 TO EBALY INT AND HOLD SW, RT, 028 INBOUND, CONTINUE CLIMB-IN-HOLD TO 6000. THIS IS ILS OR LOC RWY 4, AMDT 10A.

FDC 0/9343 DVL FI/P DEVILS LAKE RGNL, DEVILS LAKE, ND. VOR RWY 13, ORIG-A... CHART 3100 PRIOR TO DVL VOR/DME IN PROFILE. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. THIS IS VOR RWY 13, ORIG-B.

FDC 0/9666 LAA FI/P LAMAR MUNI, LAMAR, CO. RNAV (GPS) RWY 18, AMDT 1... CIRCLING MDA 4420/HAA 714 ALL CATS, VIS CAT C 2, CAT D 2 1/4.
DELETE NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE LA JUNTA ALTIMETER SETTING AND INCREASE ALL DA 163 FEET AND ALL MDA 180 FEET, INCREASE LPV, LNAV/VNAV VISIBILITY ALL CATS 1/2 MILE; INCREASE LNAV VISIBILITY CAT C/D 1/2 MILE, INCREASE CIRCLING VISIBILITY CAT B 1/4 MILE, CAT C 3/4 MILE, CAT D 1/2 MILE. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE LA JUNTA ALTIMETER SETTING AND INCREASE ALL DA 163 FEET AND ALL MDA 180 FEET, INCREASE LPV, LNAV/VNAV VISIBILITY ALL CATS 1/2 MILE; INCREASE LNAV VISIBILITY CAT C/D 1/2 MILE, INCREASE CIRCLING VISIBILITY CAT A/B 1/4 MILE, CAT C/D 1/2 MILE. THIS IS RNAV (GPS) RWY 18, AMDT 1A.