

FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.33

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

<u>AIRPORT</u> HUNTSVILLE EXECUTIVE TOM SHARP JR FIELD	<u>AIRPORT ID</u> KMDQ	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 18	<u>ORIGINAL/AMENDMENT</u> 2B	<u>CITY</u> HUNTSVILLE	<u>STATE</u> AL	
<u>AIRPORT ELEVATION</u> 764	<u>TDZE</u> 740	<u>SUPERSEDED</u> RNAV (GPS) RWY 18	<u>ORIGINAL/AMENDMENT</u> 2A	<u>DATED</u> 09/18/2014	<u>MAG VAR</u> 4W	<u>EPOCH YEAR</u> 2015
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 28 FEBRUARY 2019	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>		

TAA

<u>FROM</u>	<u>FIX TYPE</u>	<u>TO</u>	<u>FIX TYPE</u>	<u>ALTITUDE</u>
1. 095/30 CW 275/30	NOPT	095/5 CW 275/5		4200
2. 095/5 CW 275/5		EROVE	IF/IAF	3400
3. 275/30 CW 095/30	PT	275/5 CW 095/5		4700
4. 275/5 CW 095/5		EROVE	IF/IAF	3400

TERMINAL ROUTES

<u>FROM</u>	<u>FIX TYPE</u>	<u>TO</u>	<u>FIX TYPE</u>	<u>LEG TYPE</u>	<u>FO/FB</u>	<u>RNP</u>	<u>COURSE</u>	<u>DISTANCE</u>	<u>ALTITUDE</u>
EROVE	IF/IAF	FALOL		TF	FB	1.00	184.93	7.25	2500
FALOL	FAF	LACPI/1.90 NM TO RW18		TF	FB	0.30	184.93	3.56	
LACPI/1.90 NM TO RW18		RW18	MAP	TF	FO	0.30	184.93	1.90	
RW18	MAP	1500 MSL		CA			184.93		1500
1500 MSL		EROVE		DF	FO	1.00			3400

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW18

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 1500 THEN CLIMBING LEFT TURN TO 3400 DIRECT EROVE AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

QUALITY
41
CHECKED

PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF (IAF)

2. HOLD N EROVE, RT, 184.93 INBOUND, 3400 FT. IN LIEU OF PT (IAF), MAX 6000.

3. FAC: 184.93 FAF: FALOL DIST FAF TO MAP: 5.46 DIST FAF TO THLD: 5.46

4. MIN ALT: EROVE 3400, FALOL 2500, LACPI/1.90 NM TO RW18 1360*

5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 200 HAT: 0.56 GS ANT:

6. MIN GP INCPT: 2500 GP ALT AT FAF : FALOL 2500 OM: MM: IM:

7. GP ANGLE: 3.00 34:1: IS NOT CLEAR 20:1: IS CLEAR TCH: 43.1

8. MSA FROM:

PBN REQUIREMENTS NOTE:

RNP APCH

NOTES:

CHART NOTE: RWY 18 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -16°C OR ABOVE 54°C.

ADDITIONAL FLIGHT DATA:

CHART CIRCLING ICON.
CHART VDP AT 1.38 NM TO RW18*
*LNAV ONLY
WAAS CHANNEL #86501
REFERENCE PATH ID: W18A
CHART FAS OBST: 931 TREE 345321N/0863329W.
LTP HAE: 190.6 M

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD - CAT C 800-2 1/4, CAT D 1300-3

CATEGORY:	A			B			C			D			E		
FINAL TYPE	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA
LPV DA	940	3/4	200	940	3/4	200	940	3/4	200	940	3/4	200			
LNAV/VNAV DA	1250	1 3/4	510	1250	1 3/4	510	1250	1 3/4	510	1250	1 3/4	510			
LNAV MDA	1200	1	460	1200	1	460	1200	1 3/8	460	1200	1 3/8	460			
CIRCLING	1260	1	496	1260	1	496	1560	2 1/4	796	2000	3	1236			



<u>AIRPORT</u>	<u>AIRPORT ID</u>	<u>PROCEDURE NAME</u>	<u>ORIGINAL/AMENDMENT</u>	<u>CITY</u>	<u>STATE</u>
HUNTSVILLE EXECUTIVE TOM SHARP JR FIELD	KMDQ	RNAV (GPS) RWY 18	2B	HUNTSVILLE	AL

CHANGES - REASONS

1. CHART TDZE 740, DELETE THRE 719, LPV DA 940, LNAV/VNAV DA 1250 AND LNAV HAT 460 ALL CATS - INCORPORATED NOTAM FDC 4/9395.
2. CHANGED AIRPORT ELEVATION FROM 763 TO 764 AND CHANGED CIRCLING CAT A/B HAA FROM 497 TO 496, CAT C HAA FROM 797 TO 796 AND CAT D HAA FROM 1237 TO 1236 - NEW AIRPORT DATA.
3. ADDED LEG TYPES AND RNP VALUES TO TERMINAL ROUTES - IAW 8260.19H 8-6-4.A.(6).
4. DELETED "DISTANCE TO THLD FROM 200 HATH: 0.49 NM" FROM ADDITIONAL FLIGHT DATA AND ADDED "200 HAT: 0.56" TO LINE 5 - ADDITIONAL FLIGHT DATA NOTE NO LONGER REQUIRED; DISTANCE CHANGED FROM 0.49 TO 0.56 DUE TO CHANGE FROM THRE TO TDZE ELEVATIONS.
5. ADDED "20:1 IS CLEAR" TO LINE 7 - IAW 8260.19H 8-6-7.G.(3).
6. ADDED "RNP APCH" TO PBN REQUIREMENTS NOTE AND DELETED "CHART NOTE: DME/DME RNP-0.3 NA" FROM NOTES SECTION - PBN REQUIREMENTS NOTE REPLACED LEGACY NOTE; IAW 8260.19H 8-6-8.B(1) AND MEMO: IMPLEMENTATION OF FAA ORDER 8260.19H CHANGE 1, FLIGHT PROCEDURES AND AIRSPACE DATED JUNE 8, 2018 ATTACHMENT 4 PARA 2.
7. MOVED ALL REFERENCE OF BACK-UP ALTIMETER SETTING NOTES TO THE 8260-9 - LOCAL WEATHER TRANSMITTED ON WMSCR AND DEEMED RELIABLE.
8. UPDATED AIRPORT NAME FROM "HUNTSVILLE EXECUTIVE AIRPORT TOM SHARP JR FLD" TO "HUNTSVILLE EXECUTIVE TOM SHARP JR FIELD" - AIRPORT NAME CHANGE.
9. CHANGED HELICOPTER NOTE FROM "HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED" TO "RWY 18 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED" - IAW 8260.19H 8-6-11.K.(3).
10. CHANGED CRC REMAINDER FROM "1D8CCA84" TO "C027B19B" - LTP AND FPAP LAT/LONG COORDINATES UPDATED.
11. CORRECTED "BARO VNAV NA" NOTE TO READ "FOR UNCOMPENSATED BARO-VNAV NA BELOW -16C OR ABOVE 54C" - TEMPERATURE LIMITS OMITTED IN ERROR.

COORDINATED WITH:

A4A ☒ **ALPA** ☒ **AOPA** ☒ **APA** ☐ **HAI** ☐ **NBAA** ☒ **OTHER:** ZME ARTCC, HSV APP CON, AL AERO, AMGR

FLIGHT CHECKED BY

JUAN CASTRO

Digitally signed by

DONALD H LANIER

Dec 10, 2018

OFFICE

FICO

DATE

12/5/18

DEVELOPED BY

DONALD H. LANIER (JACOB MAXFIELD)

Digitally signed by

DONALD H LANIER

Dec 10, 2018

OFFICE

AJV-5431

DATE

09/07/2018

APPROVED BY

PATRICK MULQUEEN

Digitally signed by

DONALD H LANIER

Dec 10, 2018

OFFICE

AJV-5430

DATE

TITLE

MANAGER



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KMDQ
RUNWAY	RW18
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W18A
LTP/FTP LATITUDE	345205.8100N
LTP/FTP LONGITUDE	0863326.4175W
LTP/FTP ELLIPSOIDAL HEIGHT	+01906
FPAP LATITUDE	345036.5760N
FPAP LONGITUDE	0863328.1750W
THRESHOLD CROSSING HEIGHT (TCH)	00043.1
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0768
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0

CRC REMAINDER	C027B19B
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ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+02191
FPAP ORTHOMETRIC HEIGHT	+02191

