

**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.

AIRPORT ID 6R3	PROCEDURE NAME RNAV (GPS) RWY 16	ORIGINAL/AMENDMENT 1	CITY CLEVELAND	STATE TX
AIRPORT ELEVATION 150	TDZE 150	SUPERSEDED RNAV (GPS) RWY 16	DATED 10/07/2021	MAG VAR 5E
FACILITY RNAV	COORDINATES OF FACILITIES	ACTUAL EFFECTIVE DATE 12 JUNE 2025	REQUIRED EFFECTIVE DATE ROUTINE	EPOCH YEAR 1995
			CANCEL/SUSPEND	

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
EAKES	IAF	HAWXE		TF	FB	1.00	086.50	11.73	3000
LEGGE	IAF	HAWXE		TF	FB	1.00	211.35	9.74	3000
HAWXE	IF	DUUPO		TF	FB	1.00	156.71	5.18	2300
DUUPO	FAF	ANLIC/2.19 NM TO RW16		TF	FB	0.30	156.73	4.40	
ANLIC/2.19 NM TO RW16		RW16	MAP	TF	FO	0.30	156.73	2.19	
RW16	MAP	620 MSL		CA			156.73		620
620 MSL		KENNN		DF	FO	1.00			2000

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW16

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 620 THEN CLIMBING LEFT TURN TO 2000 DIRECT KENNN AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- PROFILE STARTS AT HAWXE
- FAC: 156.73 FAF: DUUPO DIST FAF TO MAP: 6.59 DIST FAF TO THLD: 6.59
- MIN ALT: HAWXE 3000, DUUPO 2300, ANLIC/2.19 NM TO RW16 900
- DIST TO THLD FROM OM: MM: IM: 150 HAT: 250 HAT: 0.62 GS ANT: IM:
- MIN GP INCPT: 2300 GP ALT AT PFAF: DUUPO 2300 OM: MM: IM:
- GP ANGLE: 3.00 34:1: IS NOT CLEAR 20:1: IS CLEAR TCH: 52.0
- MSA FROM: RW16 3100



PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: RWY 16 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
 CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15°C OR ABOVE 54°C.
 CHART NOTE: CIRCLING RWY 34 NA AT NIGHT.
 CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT EAKES ON T254 WESTBOUND.
 CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT LEGGE ON V13 NORTHBOUND.

ADDITIONAL FLIGHT DATA:

HOLD SE, RT, 294.34 INBOUND.
 CHART FAS OBST: 273 TREE (48-044009) 302234N/0950052W.
 CHART VDP AT 1.06 NM TO RW16.
 WAAS CHANNEL # 65724
 REFERENCE PATH ID: W16A
 CHART CIRCLING ICON.
 LTP HAE: 18.3 M

MINIMUMS:

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

ALTERNATE: NA STANDARD - NA WHEN LOCAL WEATHER NOT AVAILABLE.

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	400	3/4	250	400	3/4	250	400	3/4	250		NA				
LNAV/VNAV DA	538	1 1/8	388	538	1 1/8	388	538	1 1/8	388		NA				
LNAV MDA	540	1	390	540	1	390	540	1 1/8	390		NA				
CIRCLING	600	1	450	600	1	450	660	1 1/2	510		NA				

CHANGES - REASONS

- ADDED INITIAL SEGMENT LEGGE - HAWXE. - ATC REQUEST
- TERMINAL ROUTE FROM DUUPO TO ANLIC CHANGED FROM 4.07 TO 4.40 - DUUPO MOVED 1,908 FEET NORTH AND ANLIC MOVED 49 FEET SOUTH.
- FIX DESCRIPTION CHANGED FROM ANLIC/2.20 NM TO RW16 TO ANLIC/2.19 NM TO RW16 - FIX RELOCATED 49 FEET SOUTH.
- LNAV/VNAV MINIMUMS CHANGED FROM DA/HAT 433/283 TO 538/388 AND VISIBILITY FROM 1 SM TO 1 1/8 SM ALL CATS - NEW OBSTACLE EVALUATION.
- FINAL LENGTH CHANGED FROM 6.27NM TO 6.59NM, FAF ALTITUDE CHANGED FROM 2200 TO 2300 - DUUPO MOVED 1908 FEET NORTH
- TERMINAL ROUTE FROM ANLIC TO RW16 CHANGED FROM 2.20 TO 2.19 - ANLIC RELOCATED 49 FEET SOUTH.
- LPV MINS: LPV VISIBILITY LOWERED FROM 1SM TO 3/4SM ALL CATS. - NEW OBSTACLE EVALUATION
- PBN NOTES: CHANGED FROM RNP APCH TO RNP APCH - GPS. - IAW 8260.19J 8-6-8
- ADDED CHART PLANVIEW NOTES: PROCEDURE NA FOR ARRIVALS AT LEGGE V13 NORTHBOUND - IAW 8260.58C 1-2-5A(3)
- NOTES: CIRCLING NA AT NIGHT. - NO RWY SURVEYS AVAILABLE FOR RWY 34
- TERMINAL ROUTES: IF LEG HAWXE - DUUPO CHANGED DISTANCE CHANGED FROM 5.50NM TO 5.18NM. ALTITUDE INCREASED FROM 2200 TO 2300.- NEW OBSTACLE EVALUATION
- LINE 6: MIN GP INTCPT CHANGED FROM 2200 TO 2300.- MOVED PFAF DUUPO 1908 FT NORTH
- INCORPORATED CHANGES FROM PREVIOUS P-NOTAMS INTO FORM.



AIRPORT ID
6R3

PROCEDURE NAME
RNAV (GPS) RWY 16

ORIGINAL/AMENDMENT
1

CITY
CLEVELAND

STATE
TX

COORDINATED WITH:

A4A ALPA AOPA APA HAI NBAA

OTHER: ZHU, IAH APP CON, AMGR.

FLIGHT CHECKED BY *Digitally signed by*
JEFFREY J SCORSE **DAVID DANNER**
Mar 19, 2025

OFFICE
AJF
DATE
03/18/2025

DEVELOPED BY
JOHN BORDY (NICHOLAS HEIDERSTADT) *Digitally signed by*
DAVID DANNER
Mar 19, 2025

OFFICE
AJV-A33
DATE
12/12/2024

APPROVED BY *Digitally signed by*
JOHN BORDY **DAVID DANNER**
Mar 19, 2025

OFFICE
AJV-A33
DATE
TITLE
MANAGER

FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	6R3
RUNWAY	RW16
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W16A
LTP/FTP LATITUDE	302146.6630N
LTP/FTP LONGITUDE	0950037.8090W
LTP/FTP ELLIPSOIDAL HEIGHT	+00183
FPAP LATITUDE	302021.8400N
FPAP LONGITUDE	0950005.5700W
THRESHOLD CROSSING HEIGHT (TCH)	00052.0
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	2BD8D804

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+00457
FPAP ORTHOMETRIC HEIGHT	+00457

