

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	
HOTUT (IAF)	UNHAF (NOPT) (FB)	085.87 / 5.00	3000	LPV: DA LNAV/VNAV: DA LNAV: RW18 CLIMB TO 3000 DIRECT OJEFY AND HOLD. ADDITIONAL FLIGHT DATA: HOLD S, RT, 355.93 INBOUND. CHART FAS OBST: 979 TREE 363807N/0944348W DISTANCE TO THLD FROM 327 HAT: 0.93 NM. WAAS CHANNEL # 58308 REFERENCE PATH ID: W18A CHART: 1069 TREE 364006N/0944443W
SANOC (IAF)	UNHAF (NOPT) (FB)	265.99 / 5.00	3000	
UNHAF (IF/IAF)	VEGJU (FB)	175.93 / 6.11	2600	

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- HOLD N UNHAF, RT, 175.93 INBOUND, 3000 FT. IN LIEU OF PT (IAF)
- FAC: 175.93 FAF: VEGJU DIST FAF TO MAP: 5.39 THLD: 5.39
- MIN. ALT: UNHAF 3000, VEGJU 2600, RICOY/3.00 NM TO RW18 1820*
- DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
- MIN GS INCPT: 2600 GS ALT AT: VEGJU OM: MM: IM:
- GS ANGLE: 3.00 TCH: 40.0 34:1 IS NOT CLEAR
- MSA FROM:

MAG VAR: 4E 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	VS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA		1153	1 1/4	327	1153	1 1/4	327	1153	1 1/4	327		NA				
LNAV/VNAV DA		1346	2	520	1346	2	520	1346	2	520		NA				
LNAV MDA		1240	1	414	1240	1	414	1240	1 1/4	414		NA				
CIRCLING		1500	1	669	1500	1	669	1500	1 3/4	669		NA				

NOTES:
 CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C (4F) OR ABOVE 54C (130F).
 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

CITY AND STATE GROVE, OK	ELEVATION: 831 TDZE: 826 AIRPORT NAME: GROVE MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 18, AMDT 1 SEP 25 2008	SUP: AMDT: ORIG DATED 05/12/2005
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TAA

	FROM	TO	ALT
1.	086/30 CW 266/30 (NOPT)	086/15 CW 266/15	3100
2.	086/15 CW 266/15	UNHAF (IF/IAF) (FB)	3000
3.	266/30 CW 356/30	SANOC (IAF) (FB)	3000
4.	356/30 CW 086/30	HOTUT (IAF) (FB)	3000

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FAS DATA BLOCK INFORMATION

DATA FIELD

DATA

OPERATION TYPE 0
SBAS SERVICE PROVIDER IDENTIFIER 0
AIRPORT IDENTIFIER KGMJ
RUNWAY RW18
APPROACH PERFORMANCE DESIGNATOR 0
ROUTE INDICATOR
REFERENCE PATH DATA SELECTOR 0
REFERENCE PATH IDENTIFIER (APPROACH ID) W18A
LTP/FTP LATITUDE 363650.0895N
LTP/FTP LONGITUDE 0944418.8715W
LTP/FTP ELLIPSOIDAL HEIGHT +02201
FPAP LATITUDE 363520.8700N
FPAP LONGITUDE 0944418.7300W
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 1168
HORIZONTAL ALERT LIMIT (HAL) 40.0
VERTICAL ALERT LIMIT (VAL) 50.0

CRC REMAINDER

FB3D1396

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K4
LTP ORTHOMETRIC HEIGHT +02491
FPAP ORTHOMETRIC HEIGHT +02491

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[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KGMJK4FR18	AHOTUT	010HOTUTK4EA0E	A	IF					18000		A	JS
SUSAP	KGMJK4FR18	AHOTUT	020UNHAFK4EA0EE	010TF		08590050		+ 03000				A	JS
SUSAP	KGMJK4FR18	ASANOC	010SANOCK4EA0E	A	IF					18000		A	JS
SUSAP	KGMJK4FR18	ASANOC	020UNHAFK4EA0EE	010TF		26600050		+ 03000				A	JS
SUSAP	KGMJK4FR18	AUNHAF	010UNHAFK4EA0EE	CR	HF	17590040		+ 03000		18000		A	JS
SUSAP	KGMJK4FR18	R	010UNHAFK4EA0E	I	IF			+ 03000		18000		A	JS
SUSAP	KGMJK4FR18	R	020VEGJUK4EA1E	F	051TF	17590061		+ 02600				A	JS
SUSAP	KGMJK4FR18	R	020VEGJUK4EA2WALPV		ALNAV/VNAV	ALNAV							JS
SUSAP	KGMJK4FR18	R	021RICOYK4EA0E	S	031TF	17590024		V 0182001821		-300		A	JS
SUSAP	KGMJK4FR18	R	030RW18 K4PG0GY	M	031TF	17590030		00857		-300		A	JS
SUSAP	KGMJK4FR18	R	040OJEFYK4EA0EYM	010DF				+ 03000				A	JS
SUSAP	KGMJK4FR18	R	050OJEFYK4EA0EE	HR020HM		35590040		+ 03000				A	JS

[illegible][illegible]

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SUSAP KGMJK4PR18 RW18 001 0000W18A0N3636500895W09444188715+022010300N3635208700W09444187300106751168000400F400500FB3D1396
SUSAP KGMJK4PR18 RW18 002E +02491+02491LPV 58308 000

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ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE
	HOTUT	HOTUT	010	IAF	IF		FB				
	HOTUT	UNHAF	020		TF		FB	1.0	085.9(090T)	005.0	03000
	SANOC	SANOC	010	IAF	IF		FB				
	SANOC	UNHAF	020		TF		FB	1.0	266.0(270T)	005.0	03000
	UNHAF	UNHAF	010		HF	R	FB		175.9(180T)	004.0	03000
		UNHAF	010	FACF	IF		FB				03000
		VEGJU	020	FAF	TF		FB	0.5	175.9(180T)	006.1	02600
		RICOY	021	SDF	TF		FB	0.3	175.9(180T)	002.4	01820
		RW18	030	MAP	TF		FO	0.3	175.9(180T)	003.0	00857

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE
	OJEFY	040		DF		FO	1.0			03000
	OJEFY	050		HM	R	FO	2.0	355.9(360T)	004.0	03000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	HOTUT	N364820.51	W0945033.50	N3648.342	W09450.558
	OJEFY	N362417.45	W0944417.75	N3624.291	W09444.296
	RICOY	N363950.33	W0944419.14	N3639.839	W09444.319
	SANOC	N364821.24	W0943806.37	N3648.354	W09438.106
	UNHAF	N364821.04	W0944419.94	N3648.351	W09444.332
	VEGJU	N364214.05	W0944419.36	N3642.234	W09444.323
	RW18	N363650.09	W0944418.87	N3636.835	W09444.315

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW18	00817	40

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