

**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 ID</u> GJT	<u>PROCEDURE NAME</u> RNAV (GPS) Y RWY 11	<u>ORIGINAL/AMENDMENT</u> 2	<u>CITY</u> GRAND JUNCTION	<u>STATE</u> CO
<u>AIRPORT ELEVATION</u> 4861	<u>TDZE</u> 4840	<u>SUPERSEDED</u> RNAV (GPS) Y RWY 11	<u>DATED</u> 10/06/2022	<u>EPOCH YEAR</u> 2025
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 16 MAY 2024	<u>REQUIRED EFFECTIVE DATE</u> 05/16/2024	<u>CANCEL/SUSPEND</u>

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
MACKS		LOMMA		TF	FB	1.00	115.92	7.68	8300
AVUXE	IAF	CARKU		TF	FB	1.00	026.00	7.00	8200
HASKI	IAF	CABUP		TF	FB	1.00	206.11	3.51	8500
CABUP		CARKU		TF	FB	1.00	206.80	3.49	8200
LOMMA	IAF	CARKU		TF	FB	1.00	116.00	4.67	8200
CARKU	IF	ENIDE		TF	FB	1.00	116.05	6.27	6300
ENIDE	FAF	WOPGU/1.64 NM TO RW11		TF	FB	0.30	116.12	2.83	
WOPGU/1.64 NM TO RW11		RW11	MAP	TF	FO	0.30	116.12	1.64	
RW11	MAP	5040 MSL		CA			116.12		
5040 MSL		JETRY		DF	FB	1.00			6700
JETRY		AYEDY		TF	FB	1.00	205.92	7.43	
AYEDY		JNC VOR/DME		TF	FB	1.00	284.50	14.46	
JNC VOR/DME		LOMMA		TF	FO	1.00	347.25	13.29	9000

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW11

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 6700 DIRECT JETRY THEN CLIMBING RIGHT TURN TO 9000 ON TRACK 205.92 TO AYEDY AND TRACK 284.50 TO JNC VOR/DME AND TRACK 347.25 TO LOMMA AND HOLD.*MISSED APPROACH REQUIRES MINIMUM CLIMB OF 206 FEET PER NM TO 7740.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1.	PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)									
2.	PROFILE STARTS AT CAR KU														
3.	FAC:	116.12	FAF:	ENIDE	DIST FAF TO MAP:	4.46	DIST FAF TO THLD:	4.46							
4.	MIN ALT:	CAR KU 8200, ENIDE 6300, WOPGU/1.64 NM TO RW11 5400													
5.	DIST TO THLD FROM OM:		MM:		IM:		150 HAT:		200 HAT:	0.51	GS ANT:				
6.	MIN GP INCPT:	6300	GP ALT AT PFAF:	ENIDE 6300					OM:		MM:			IM:	
7.	GP ANGLE:	3.00	34:1:	IS CLEAR	20:1:	IS CLEAR	TCH:	50.6							
8.	MSA FROM:	RW11 12400													

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: CIRCLING NA FOR CAT D N OF RWY 11-29.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17°C OR ABOVE 54°C.
CHART NOTE: FOR INOPERATIVE ALS, INCREASE LPV ALL CATS VISIBILITY TO RVR 4500 AND INCREASE LNAV CAT C/D VISIBILITY TO 1 3/8.
CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO LPV*.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT MACKS ON V391 NORTHWEST BOUND.

ADDITIONAL FLIGHT DATA:

CHART 210 KIAS HOLDING PATTERN ICON.
HOLD NW, RT, 116.00 INBOUND.
CHART FAS OBST: 5174 TREE 390836N/1083215W.
WAAS CHANNEL # 97514
REFERENCE PATH ID: W11A
LTP HAE: 1454.6 M

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD - CAT C, D 1000-3; NA WHEN CONTROL TOWER CLOSED.

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*	5040	4000	200	5040	4000	200	5040	4000	200	5040	4000	200			
LPV DA	5120	4000	280	5120	4000	280	5120	4000	280	5120	4000	280			
LNAV/VNAV DA	5317	6000	477	5317	6000	477	5317	6000	477	5317	6000	477			
LNAV MDA*	5280	4000	440	5280	4000	440	5280	5000	440	5280	5000	440			
LNAV MDA	5360	4000	520	5360	4000	520	5360	1 1/4	520	5360	1 1/4	520			
CIRCLING	5380	1	519	5520	1	659	5840	3	979	5840	3	979			



CHANGES - REASONS

1. TDZE CHANGED FROM "4836" TO "4840" - NEW PENDING AIRNAV DATA.
2. TERMINAL ROUTES: UPDATED FEEDER LEG MACKS TO LOMMA RNP/COURSE/DIST/ALTITUDE FROM "2.0/111.92/7.69/9000" TO "1.0/115.92/7.68/8300" - UPDATED CRITERIA, MAGVAR UPDATE, ATC REQUESTED ALTITUDE.
3. TERMINAL ROUTES: REMOVED FEEDER LEG FROM JNC VOR/DME TO AVUXE - ATC REQUESTED.
4. TERMINAL ROUTES: REMOVED FEEDER LEG FROM PACES TO HASKI - ATC REQUESTED.
5. TERMINAL ROUTES: UPDATED INITIAL LEG AVUXE TO CARKU COURSE/DIST FROM "022.01/5.0" TO "026.00/7.00" - MAGVAR UPDATE, CURRENT LEG LENGTH CRITERIA.
6. TERMINAL ROUTES: ADDED STEPDOWN FIX CABUP TO HASKI-CARKU SEGMENT - TO CLEAR HIGH TERRAIN AND MAINTAIN 8200 AT CARKU.
7. TERMINAL ROUTES: UPDATED INITIAL LEG LOMMA TO CARKU COURSE/DIST FROM "112.0/4.68" TO "116.00/4.67" - CURRENT CALCULATED DISTANCE BETWEEN FIXES, MAGVAR UPDATE.
8. TERMINAL ROUTES: UPDATED INTERMEDIATE LEG FROM CARKU TO ENIDE RNP/COURSE/DIST FROM ".50/112.05/6.10/ 6300" TO "1.0/116.05/5.33" - UPDATED CRITERIA, MAGVAR UPDATE.
9. TERMINAL ROUTES: UPDATED FINAL LEG ENIDE TO WOPGU FROM "WOPGU/1.70 NM TO RW11/COURSE 112.12/DIST 2.74" TO "WOPGU/1.64 NM TO RWY11/COURSE 116.12/DIST 2.83" - MAGVAR UPDATE, PFAF POSITION REALIGNED BASED ON ANGLE AND TCH.
10. TERMINAL ROUTES: UPDATED FINAL LEG WOPGU TO RW11 FROM "WOPGU/1.70 NM TO RW11/COURSE 112.12/DME 1.70" TO "WOPGU/1.64 NM TO RWY11/COURSE 116.12/DME 1.89" - MAGVAR UPDATE, STEPDOWN FIX POSITION REALIGNED BASED ON ANGLE AND TCH.
11. TERMINAL ROUTES: UPDATED MISSED APPROACH LEG FROM "RW11 TO 5033 MSL/COURSE 112.15" TO "RW11 TO 5040 MSL/COURSE 116.12" - MAGVAR UPDATE, INCREASED DA.
12. TERMINAL ROUTES: UPDATED MISSED APPROACH LEG FROM "5033 MSL TO JETRY" TO "5040 MSL TO JETRY/RNP 1.0" - UPDATED TDZE.
13. TERMINAL ROUTES: UPDATED MISSED APPROACH LEG JETRY TO AYEDY COURSE/DIST FROM "213.36/7.57" TO "205.92/7.43" - JETRY MOVED 1.50NM NW.
14. TERMINAL ROUTES: UPDATED MISSED APPROACH LEG AYEDY TO JNC VOR/DME FROM "COURSE 280.50" TO "COURSE 284.50" - MAGVAR UPDATE.
15. TERMINAL ROUTES: UPDATED MISSED APPROACH LEG JNC VOR/DME TO LOMMA FROM "COURSE 343.25" TO "COURSE 347.25" - MAGVAR UPDATE.
16. MISSED APPROACH INSTRUCTIONS: ADDED "**MISSED APPROACH REQUIRES MINIMUM CLIMB OF 207 FEET PER NM TO 7740" - NEW OBSTACLES IN THE MISSED SECTION.
17. MISSED APPROACH INSTRUCTIONS: UPDATED FROM "CLIMB TO 6700 DIRECT JETRY THEN CLIMBING RIGHT TURN TO 9000 ON TRACK 213.36 TO AYEDY AND ON TRACK 280.50 TO JNC VOR/DME AND ON TRACK 343.25 TO LOMMA AND HOLD" TO "CLIMB TO 6700 DIRECT JETRY THEN CLIMBING RIGHT TURN TO 9000 ON TRACK 205.92 TO AYEDY AND ON TRACK 284.50 TO JNC VOR/DME AND ON TRACK 347.25 TO LOMMA AND HOLD" - MAGVAR UPDATE.
18. PROFILE LINE 3: FAC CHANGED FROM "112.13 TO 116.12", DIST FAF TO MAP/THLD FROM "4.44 TO 5.40" - MAGVAR UPDATE AND PFAF POSITION REALIGNED BASED ON ANGLE AND ALTITUDE.
19. PROFILE LINE 4: MIN ALTITUDES UPDATED FROM "CARKU 8200, ENIDE 6300, WOPGU/1.70 NM TO RW11 5400" TO "CARKU 8200, ENIDE 6300, WOPGU/1.64 NM TO RW11 5400" - WOPGU MOVED TO MAINTAIN 3 DEGREE GS.
20. PROFILE LINE 5: ADDED 200 HAT: 0.51 - CURRENT CRITERIA.
21. PROFILE LINE 6: ADDED 6300 TO ENIDE - IAW 8260.3E PARA 8-6-7(F).
22. PROFILE LINE 7: ADDED "20:1 IS CLEAR" AND UPDATED TCH FROM "50.2" TO "50.6" - UPDATED CRITERIA, TCH UPDATED TO MATCH ILS PROCEDURE.
23. CHART NOTE: UPDATED NOTE FROM "FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -24°C OR ABOVE 39°C" TO "FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17°C OR ABOVE 54°C" - NEW 5-YEAR CRITICAL TEMPS.
24. CHART NOTE: REMOVED "CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON JNC VORTAC AIRWAY RADIALS 302 CW 045" - FEEDER LEG REMOVED FROM PROCEDURE.
25. CHART NOTE: ADDED "FOR INOPERATIVE ALS, INCREASE LPV ALL CATS VISIBILITY TO RVR 4500 AND LNAV CATS C/D VISIBILITY TO 1 3/8" - IAW 8260.3E TABLE 3-3-1.
26. CHART NOTE: REMOVED CHART NOTE: **RVR 1800 AUTHORIZED WITH USE OF FD OR AP OR HUD TO DA - RWY LIGHTING UPDATED.
27. CHART NOTE: ADDED INOPERATIVE TABLE DOES NOT APPLY TO LPV* - IAW 8260.3E PARA 3-3-2(E).
28. ALTERNATE MINS CHANGED FROM "STANDARD CAT D 800-2 1/4" TO "STANDARD CAT C, D 1000-3" - IAW 8260-19I, PARA 8-6-11(B).
29. ADDITIONAL FLIGHT DATA: CHANGED CHART FAS OBST FROM "5049 TREE 390910N/1083317W" TO "5174 TREE 390836N/1083215W" - NEW CONTROLLING OBSTACLE.
30. ADDITIONAL FLIGHT DATA: LTP HAE UPDATED FROM "1453.1 M" TO "1454.6 M" - RWY THRESHOLD MOVEMENT, TDZE CHANGED.
31. ADDITIONAL FLIGHT DATA: HOLDING COURSE CHANGED FROM "112.00" TO "116.00" - MAGVAR UPDATE.
32. MINIMUMS: LPV DA/VIS/HAT ALL CATS CHANGED FROM "5033/2400/197" TO "5040/4000/200" - UPDATED TDZE, IAW 8260.3E TABLE 3-3-1.
33. MINIMUMS: ADDED LPV AND LNAV LINE OF MINIMA WITH CLIMB GRADIENT - CLIMB GRADIENT REQUIRED FOR LOWER MINIMA, UPDATED TDZE.
34. MINIMUMS: LNAV/VNAV DA/VIS/HAT ALL CATS CHANGED FROM "5492/1 3/4/659" TO "5317/6000/477" - NEW CONTROLLING OBSTACLE, IAW 8260.3E TABLE 3-3-1.
35. MINIMUMS: LNAV MDA/HAT ALL CATS CHANGED FROM "5300/464" TO "5360/520" AND CAT A/B VIS FROM "2400" TO "4000", CAT C/D VIS FROM "5000" TO "1 1/4" - NEW CONTROLLING OBSTACLE, IAW 8260.3E TABLE 3-3-1, 3-3-3, AND 3-3-4.
36. MAGVAR EPOCH YEAR CHANGED FROM 1990 TO 2025 - NEW PENDING AIRNAV DATA.
37. FAS DATA: UPDATED COURSE WIDTH AT THRESHOLD FROM "107" TO "106.75" - IAW 8260.58C, 3-1-5.C(3).
38. FAS DATA: CRC REMAINDER CHANGED FROM "165BA2A2" TO "D3FA3FB2" - LTP/FTP ELLIPSOIDAL HEIGHT CHANGED FROM "+14531" TO "+14546" AND LTP/FPAP ORTHOMETRIC HEIGHT CHANGED FROM "+14701" TO "+14716", LTP/FTP LATITUDE/LONGITUDE CHANGED FROM "390805.8900N/1083239.6200W" TO "390759.2640N/1083227.5650W."



COORDINATED WITH:

A4A

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ALPA

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AOPA

☒

APA

☒

HAI

☐

NBAA

☒

OTHER:

ARPT MGR, ZDV ARTCC, GJT ATCT, DEN APP CON.

FLIGHT CHECKED BY
PENDING

OFFICE

DATE

Digitally signed by
ROBERT G HAMILTON
Mar 14, 2024

DEVELOPED BY
ROBERT G HAMILTON (PHILLIP T. HILL01)

OFFICE
AJV-A433

DATE
12/19/2023

Digitally signed by
ROBERT G HAMILTON
Mar 14, 2024

APPROVED BY
ROBERT G HAMILTON

OFFICE
AJV-A433

DATE

Digitally signed by
ROBERT G HAMILTON
Mar 14, 2024

TITLE
MANAGER

FAS DATA BLOCK INFORMATION

DATA 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)

CRC REMAINDER

DATA
0
0
KGJT
RW11
0
Y
0
W11A
390759.2640N
1083227.5650W
+14546
390706.0815N
1083050.7065W
00050.6
F
03.00
106.75
0000
40.0
35.0

D3FA3FB2

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE
LTP ORTHOMETRIC HEIGHT
FPAP ORTHOMETRIC HEIGHT

K2
+14716
+14716

