

GRANTS-MILAN MUNI, GRANTS, NM (KGNT)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURE (ODP)

REQUESTED BY AJV-A

12/16/2022 PRB RESULTS: RETURN FOR REWORK

APPROVAL LETTER:

- SECOND PARAGRAPH: CHANGE: IN ACCORDANCE WITH "8260.46J (B) (14)" ...TO: IN ACCORDANCE WITH "8260.46J PARA 2-1-1 (B) (14)."...

MISSING DOCUMENTATION:

- SAT FLIGHT INSPECTION PC

All rework items above complete

Eric N. Suski, Manager Team IIIA

Digitally signed by

ERIC N SUSKI

Feb 10, 2023

Flight Procedures Cover Page	Task Action: FLIGHT CHECK	Task Type: Textual DP	Estimated Chart Date: 04/20/2023	APWS Task ID: 3517B509DFCB4E5EAD380B709B3DAE88	APWS Project ID: EA1664A3C61546429189A7A5574BC46A
Procedure: TAKEOFF MINIMUMS & (OBSTACLE) DEPARTURE PROCEDURE, AMDT 1		Enroute: NO	Specialist: Prassada, Parnell		Agreement Number:
Airport ID: KGNT			Airport City: GRANTS		State: NM
Facility ID:	Facility Type:	Flight Inspection Remark Type: New FC Slot			
<div>Procedure Comments:</div> <div>ACTIVE DATA USED.</div> <div>APPROVAL LETTER FOR HIGHER-THAN-REQUIRED CLIMB GRADIENT TERMINATION ALTITUDE.</div> <div>WAIVER FOR EXTENDING DEAD RECKONING (DR) LEG SEGMENT TO MORE THAN 10 NM.</div> <div>CONTACT: ERIC SUSKI WK: (405) 954-7331.</div> <div><div>Digitally signed by</div><div>ERIC N SUSKI</div><div>Nov 07, 2022</div></div>					



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TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)



22195

GRAND JUNCTION, CO

GRAND JUNCTION RGNL (GJT)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 11 25SEP08 (08269) (FAA)

TAKEOFF MINIMUMS:

Rwy 4, NA-obstacles.

Rwy 22, NA-obstacles, facility reception (JNC VOR/DME).

DEPARTURE PROCEDURE:

Rwys 11, 29, use MONUMENT DEPARTURE.

GRANTS, NM

GRANTS-MILAN MUNI (GNT)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 11SEP97 (97254) (FAA)

TAKEOFF MINIMUMS:

Rwy 13, 2400-2 or std. with a min. climb of 420' per NM to 11000.

Rwy 31, NA.

DEPARTURE PROCEDURE:

Rwy 13, climb runway heading to join V12 at or above 11000 before proceeding on course.

GREELEY, CO

GREELEY-WELD COUNTY (GXY)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 4 18SEP14 (14261) (FAA)

DEPARTURE PROCEDURE:

Rwy 10, climb on a heading between 292° CW to 214° from DER. All other headings: climbing left turn, thence...

Rwy 17, climb on a heading between 212° CCW to 350° from DER. All other headings: climbing left turn, thence...

Rwy 28, climb on a heading between 294° CW to 097° or 209° CCW to 097° from DER. All other headings: climbing right turn, thence...

Rwy 35, climb on a heading between 293° CW to 169° from DER. All other headings: climbing right turn, thence...

...direct GLL VOR/DME, climb in GLL VOR/DME holding pattern (hold NE, right turns, 205° inbound) to 16500 before proceeding on course.

TAKEOFF OBSTACLE NOTES:

Rwy 28, tree 1634' from DER, 836' left of centerline, 56' AGL/4717' MSL.

Fence 237' from DER, 422' right of centerline, 11' AGL/4670' MSL.

Fence 99' from DER, 423' left of centerline, 10' AGL/4665' MSL.

Rwy 35, multiple trees beginning 1860' from DER, 595' right of centerline, up to 67' AGL/4785' MSL.

Tree 2854' from DER, 524' left of centerline, 73' AGL/4770' MSL.

DIVERSE VECTOR AREA (RADAR VECTORS)

ORIG 07DEC17 (17341) (FAA)

Rwys 10, 17, 28, 35, heading as assigned by ATC.

GUNNISON, CO

GUNNISON-CRESTED BUTTE RGNL (GUC)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 8 21JUL16 (16203) (FAA)

TAKEOFF MINIMUMS:

Rwy 6, std. w/ min. climb of 500' per NM to 9500, or 2500-3 for climb in VCOA.

Rwy 24, std. w/ min. climb of 420' per NM to 9300, or 2500-3 for climb in VCOA.

Rwy 17,35, NA - Obstacles.

DEPARTURE PROCEDURE:

Rwy 6, climb heading 077° to 9500 then climbing right turn direct HBU VOR/DME, thence...

Rwy 24, climb heading 242° to 9300 then climbing left turn direct HBU VOR/DME, thence...

...continue climb in HBU VOR/DME holding pattern (hold SW, LT, 031° inbound) to depart HBU VOR/DME at or above MEA/MCA for route of flight.

VCOA:

Rwy 6, 24, obtain ATC approval for climb in visual conditions when requesting IFR clearance. Climb in visual conditions to cross Gunnison-Crested Butte Rgnl airport at or above 10000, then on HBU R-31 to HBU VOR/DME, thence...

...continue climb in HBU VOR/DME holding pattern (hold SW, LT, 031° inbound) to depart HBU VOR/DME at or above MEA/MCA for route of flight.

TAKEOFF OBSTACLE NOTES:

Rwy 6, trees beginning 123' from DER, 478' right of centerline, up to 18' AGL/7697' MSL.

Vehicles on road 137' from DER, 529' left of centerline, 15' AGL/7693' MSL.

Trees beginning 1761' from DER, 109' left of centerline, up to 7745' MSL.

Trees beginning 4899' from DER, 792' left of centerline, up to 7821' MSL.

Poles beginning 1 NM from DER, 1906' left of centerline, up to 38' AGL/7850' MSL.

Grd and trees beginning 1.4 NM from DER, 1520' left of centerline, up to 8034' MSL.

Pole 1.5 NM from DER, 359' right of centerline, 26' AGL/7933' MSL.

Power transmission line, vehicles on road, grd, beginning 1.7 NM from DER, 1200' left of centerline, up to 8105' MSL.

Vehicles on road 1.9 NM from DER, 2288' left of centerline, 15' AGL/8070' MSL.

CON'T

14 JUL 2022 to 11 AUG 2022

14 JUL 2022 to 11 AUG 2022



TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)



22195

SW-1



Federal Aviation Administration

Memorandum

Date: 11/01/2022

To: Wade Terrell, Manager, Flight Technologies and Procedures Division THRU: Wayne Radicke, Manager, Flight Procedures and Airspace Group

From: Johnnie Baker III, Manager, Team 3, AJV-A430

Subject: Approval Request: GRANTS-MILAN MUNI (KGNT), ODP RWY 13

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURE (ODP)
RWY 13
GRANTS-MILAN MUNI, GRANTS NM (KGNT)

Request approval for higher-than-required Climb Gradient (CG) and Climb Gradient Termination Altitude (CGTA) for ODP RWY 13 to attain altitude for navaid reception.

In accordance with 8260.46J para 2-1-1(B)(14), "textual ODPs designed specifying a route must terminate at a fix/NAVAID located within the IFR en route structure and/or at an altitude that will allow random (diverse) IFR flight;" therefore, a routed departure is suitable. Routed ODP also allows lower CG/CGTA minimums compared to diverse departure.

A diverse departure requires 490 ft/nm (CG) to 12900 ft (CGTA) to mitigate the controlling obstacle (Terrain at 11558 ft MSL, located 15 NM NE of KGNT), while a routed departure requires 415 ft/nm (CG) to 7000 (CGTA) to avoid controlling obstacle (Terrain at 6679 ft MSL, located 1.5 NM SE of KGNT).

However, navaid reception in a timely manner is unachievable with calculated routed ODP CG/CGTA. Climbing at higher CG (420 ft/nm) and 2000 ft above CGTA will enable aircraft to expediently intercept and establish itself on ABQ R-255 to CARTY.

Request approval for 420 ft/nm CG and 9000 ft CGTA, and to publish the following takeoff minimums:

"RWY 13: STANDARD WITH MINIMUM CLIMB OF 420 FT PER NM TO 9000 OR 4600-5 FOR VCOA."

1. FLIGHT PROCEDURE IDENTIFICATION:

GRANTS, NM
GRANTS-MILAN MUNI (GNT)
OBSTACLE DEPARTURE PROCEDURE (ODP)

2. WAIVER REQUIRED AND APPLICABLE STANDARD:

TO PERMIT EXTENDING DEAD RECKONING (DR) LEG SEGMENT MORE THAN 10 NM. FAA ORDER 8260.3E, PARAGRAPH 13-3-2. STATES: "LIMIT DR SEGMENT TO A MAXIMUM DISTANCE OF 10 NM FROM DEPARTURE END OF RUNWAY (DER)."

3. REASON FOR WAIVER (JUSTIFICATION FOR NONSTANDARD TREATMENT):

DUE TO MOUNTAINOUS TERRAIN AND LACK OF SUITABLE NAVIGATION AIDS, FLYING RUNWAY HEADING TO V12 IS THE ONLY OPTION TO CLEAR TERRAIN, AND TO CONNECT WITH ENROUTE STRUCTURE. THIS WILL REQUIRE A DEAD RECKONING (DR) LEG OF 11 NM, WHICH EXCEEDS MAXIMUM DR LEG DISTANCE PER FAA ORDER 8260.3E, PARAGRAPH 13-3-2.

4. EQUIVALENT LEVEL OF SAFETY PROVIDED:

RELIABLE NAVAID COVERAGE WILL BE AVAILABLE ONCE AIRCRAFT IS AT 9000 FEET, AND ONE MILE OF V12. THE AIRCRAFT WILL BE CLEAR OF MOUNTAINOUS TERRAIN AND IN NAVAID RECEPTION RANGE OF ALBUQUERQUE VORTAC (ABQ). ABQ'S ESV MINIMUM ALTITUDE IS 9000 FEET.

5. ALTERNATIVE ACTIONS DEEMED NOT FEASIBLE:

THE INSTALLATION OF AN ON-AIRPORT NAVAID FACILITY WOULD FULFILL POSITIVE COURSE GUIDANCE REQUIREMENT. THIS ADDITION WOULD ALSO ELIMINATE THE NEED FOR A DEAD RECKONING LEG SEGMENT. CURRENTLY THERE ARE NO FUTURE PLANS TO INSTALL A NAVAID FACILITY, POSSIBLY DUE TO LACK OF FUNDING.

6. COORDINATION WITH USER ORGANIZATIONS (SPECIFY):

ALBUQUERQUE ARTCC, FLIGHT STANDARDS

7. SUBMITTED BY:

DATE	OFFICE IDENTIFICATION	TITLE
11/01/22	AJV-A400	MANAGER, INSTRUMENT FLIGHT PROCEDURES GROUP

SIGNATURE

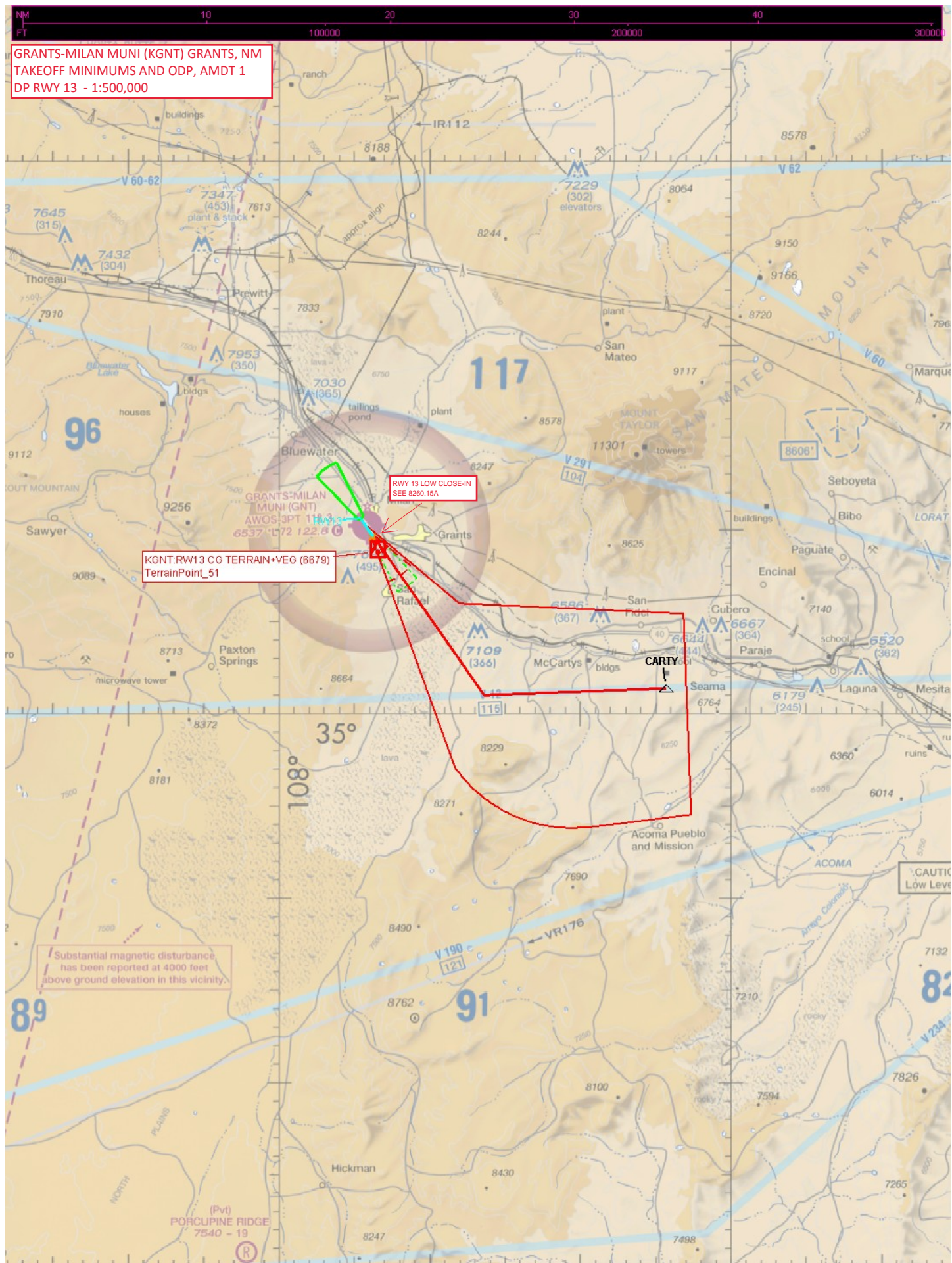
Digitally signed by
JOHNNIE BAKER
Dec 19, 2022

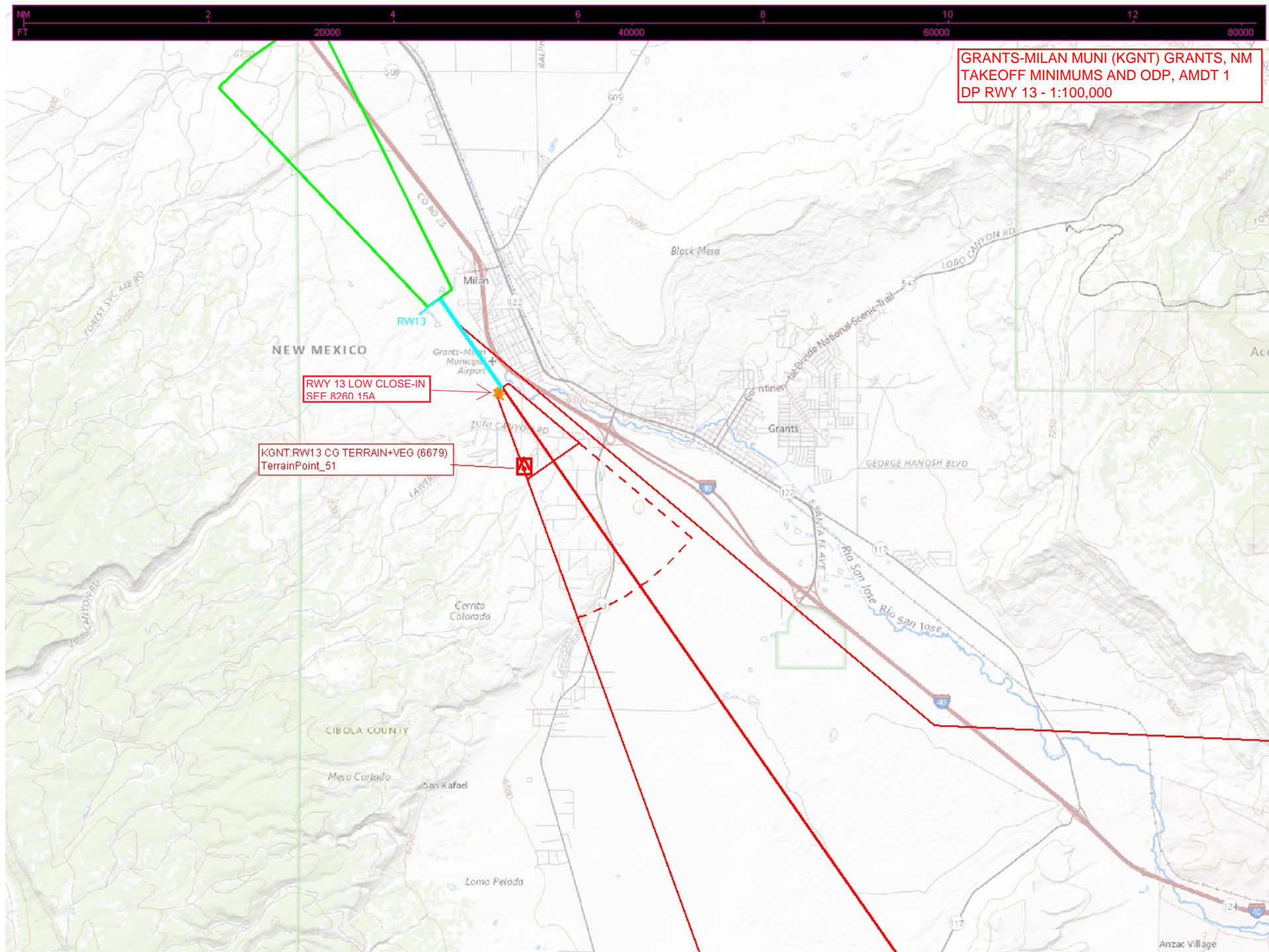
8. AFS ACTIONS:

☐ APPROVED ☐ DISAPPROVED ☐ NOT REQUIRED

COMMENTS:

DATE	ROUTING SYMBOL	SIGNATURE
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[illegible]

CO TERRAIN+AAO (11558)
TerrainPoint_1783453_DIVERSE

VCA TERRAIN+AAO (8215)
TerrainPoint_1004513_VCA

Substantial magnetic disturbance has been reported at 4000 feet above ground elevation in this vicinity.

