

**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> 08D	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 28	<u>ORIGINAL/AMENDMENT</u> 2	<u>CITY</u> STANLEY	<u>STATE</u> ND		
<u>AIRPORT ELEVATION</u> 2250	<u>TDZE</u> 2242	<u>SUPERSEDED</u> RNAV (GPS) RWY 27	<u>ORIGINAL/AMENDMENT</u> 1	<u>DATED</u> 11/08/2018	<u>MAG VAR</u> 7E	<u>EPOCH YEAR</u> 2025
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 29 DECEMBER 2022	<u>REQUIRED EFFECTIVE DATE</u> 12/29/2022	<u>CANCEL/SUSPEND</u>		

**TAA**

FROM	FIX TYPE	TO	FIX TYPE	ALTITUDE
1. 191/30 CW 011/30	NOPT	EXIHO	IF/IAF	4300
2. 011/30 CW 101/30		ULMUW	IAF	4300
3. 101/30 CW 191/30		ISROQ	IAF	4300

**TERMINAL ROUTES**

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
ISROQ	IAF	EXIHO	NOPT	TF	FB	1.00	191.01	5.00	4300
ULMUW	IAF	EXIHO	NOPT	TF	FB	1.00	010.95	5.00	4300
EXIHO	IF/IAF	OZRAJ		TF	FB	1.00	280.98	5.65	3700
OZRAJ	FAF	ZEKAV/2.07 NM TO RW28		TF	FB	0.30	281.66	2.39	
ZEKAV/2.07 NM TO RW28		RW28	MAP	TF	FO	0.30	281.66	2.07	
RW28	MAP	2580 MSL		CA			281.66		
2580 MSL		EWXUR		DF	FO	1.00			5000

**MISSED APPROACH**

**MAP:**

LNAV: RW28

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 5000 DIRECT EWXUR AND HOLD, CONTINUE CLIMB-IN-HOLD TO 5000.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**



**PROFILE:**

- 1. PT            **SIDE OF COURSE**                            **OUTBOUND**                            **FT WITHIN**                            **MILES OF**                            (IAF)
- 2. HOLD E EXIHO, RT, 280.98 INBOUND, 4300 FT. IN LIEU OF PT (IAF), MAX 6000.
- 3. **FAC:** 281.66                            **FAF:** OZRAJ                            **DIST FAF TO MAP:** 4.45                            **DIST FAF TO THLD:** 4.45
- 4. **MIN ALT:** EXIHO 4300, OZRAJ 3700, ZEKAV/2.07 NM TO RW28 2940
- 5. **DIST TO THLD FROM OM:**                            **MM:**                            **IM:**                            **150 HAT:**                            **GS ANT:**
- 6. **MIN GP INCPT:**                            **GP ALT AT FAF :**                            **OM:**                            **MM:**                            **IM:**
- 7. **GP ANGLE:**                            **34:1:** IS NOT CLEAR                            **20:1:** IS CLEAR                            **TCH:**
- 8. **MSA FROM:**

**PBN REQUIREMENTS NOTE:**

RNP APCH - GPS.

**NOTES:**

CHART NOTE: RWY 28 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.

**ADDITIONAL FLIGHT DATA:**

HOLD W, RT, 101.58 INBOUND.  
 CHART FAS OBST: 2311 TREE (38-040461) 481819N/1022331W.  
 2510 AAO 481737N/1021749W.  
 CHART VDP AT 0.94 NM TO RW28.  
 CHART CIRCLING ICON.  
 OZRAJ TO RW28: 3.00/40.

**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		
	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
LNAV MDA	2580	1	338	2580	1	338		NA			NA				
CIRCLING	2720	1	470	2940	1	690		NA			NA				



**CHANGES - REASONS**

1. PROCEDURE NAME: CHANGED FROM "RNAV (GPS) RWY 27" TO "RNAV (GPS) RWY 28" - NEW MAGVAR 7E/2025
2. AIRPORT ELEVATION: CHANGED FROM "2245" TO "2250" - NEW AIRPORT SURVEY
3. TDZE: CHANGED FROM "2244" TO "2242" - NEW AIRPORT SURVEY
4. MAGVAR: CHANGED FROM "10E/2000" TO "7E/2025" - NEW AIRPORT SURVEY
5. TAA1: RADIALS CHANGED FROM "188/30 CW 008/30" TO "191/30 CW 011/30" - NEW MAGVAR
6. TAA2: RADIALS CHANGED FROM "008/30 CW 098/30" TO "011/30 CW 101/30" - NEW MAGVAR
7. TAA3: RADIALS CHANGED FROM "098/30 CW 188/30" TO "101/30 CW 191/30" - NEW MAGVAR
8. TERMINAL ROUTES: FROM ISROQ TO EXIHO, COURSE CHANGED FROM "188.37" TO "191.01" - NEW MAGVAR
9. TERMINAL ROUTES: FROM ULMUW TO EXIHO, COURSE CHANGED FROM "008.31" TO "010.95" - NEW MAGVAR/AND ULMUM FIX MOVED 0.03 NM EAST
10. TERMINAL ROUTES: FROM EXIHO TO OZRAJ, COURSE CHANGED FROM "278.34" TO "280.98", DISTANCE CHANGED FROM "5.00" TO "5.65" AND ALTITUDE CHANGED FROM "3900" TO "3700" - NEW MAGVAR/FIX OZRAJ MOVED 0.65NM EAST/NEW CONTROLLING OBSTACLE
11. TERMINAL ROUTES: FROM OZRAJ TO ZEKAV/2.07 NM TO RW27, COURSE CHANGED FROM "278.25" TO "281.66" AND DISTANCE CHANGED FROM "2.99" TO "2.39" - NEW SURVEY/NEW MAGVAR/FIX OZRAJ MOVED 0.65NM EAST AND FIX ZEKAV MOVED 0.05 NM NORTHEAST
12. TERMINAL ROUTES: ZEKAV/2.10 NM TO RW27 TO RW27, RUNWAY CHANGED FROM 27 TO 28 AND COURSE CHANGED FROM "278.25" TO "281.66" - NEW SURVEY/NEW MAGVAR
13. TERMINAL ROUTES: FROM RW27 TO 2620, MDA CHANGED FROM "2620" TO "2580" AND COURSE CHANGED FROM "278.25" TO "281.66" - NEW SURVEY/NEW MAGVAR
14. MISSED APPROACH: CHANGED FROM "CLIMB TO 5000 DIRECT EWXUR AND HOLD" TO "CLIMB TO 5000 DIRECT EWXUR AND HOLD, CONTINUE CLIMB-IN-HOLD TO 5000" - MISSED HOLDING ALT CAN NOT BE ACHIEVED BEFORE REACHING MISSED APPROACH CLEARANCE LIMIT
15. PROFILE LINE 2 CHANGED FROM "HOLD E EXIHO, RT, 278.34 INBOUND, 4300 FT. IN LIEU OF PT (IAF), MAX 6000" TO "HOLD E EXIHO, RT, 280.98 INBOUND, 4300 FT. IN LIEU OF PT (IAF), MAX 6000" - NEW MAGVAR/COURSE CHANGE EXIHO TO OZRAJ DUE TO OZRAJ FIX MOVE
16. PROFILE LINE 3: FAC CHANGED FROM "278.25" TO "281.66", DIST FAF TO MAP AND DIST FAF TO THLD CHANGED FROM "5.09" TO "4.45" - MAGVAR CHANGE/FAF OZRAJ MOVED
17. PROFILE LINE 4: CHANGED FROM "EXIHO 4300, OZRAJ 3900, ZEKAV/2.10 NM TO RW27 2940" TO "EXIHO 4300, OZRAJ 3700, ZEKAV/2.07 NM TO RW28 2940" - NEW CONTROLLING OBSTACLES/FAF AND SDF FIXES MOVED/RUNWAY NUMBER CHANGE
18. PROFILE LINE 7: 20:1 CHANGED FROM "IS NOT CLEAR" TO "IS CLEAR" - NEW SURVEY
19. PBN REQUIREMENTS NOTE: CHANGED FROM "RNP APCH" TO "RNP APCH - GPS" - 8260.19, 8-6-8. B. (2)
20. NOTES: REMOVED CHART NOTE: PROCEDURE NA AT NIGHT - NEW SURVEY/20:1 CLEAR
21. NOTES: CHANGED NOTE FROM "RWY 27 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED" TO "RWY 28 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED" - 34:1 IS NOT CLEAR/RUNWAY NUMBER CHANGE
22. NOTES: REMOVED VGSI AND DESCENT ANGLES NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}) - NEW VGSI SETTING/NEW SURVEY
23. ADDITIONAL FLIGHT DATA: CHANGED OBSTACLE "2517 AAO 481554N/1021645W" TO "2510 AAO 481737N/1021749W" - NEW 7:1 OBSTACLE
24. ADDITIONAL FLIGHT DATA: CHANGED FAS OBSTACLE FROM "2308 ELEVATOR 481802N/1022303W." TO "2311 TREE (38-040461) 481819N/1022331W" - NEW SURVEY/NEW CONTROLLING OBSTACLE
25. ADDITIONAL FLIGHT DATA: ADDED CHART VDP AT 0.94 NM TO RW28 - ADDED VDP/20:1 IS CLEAR
26. ADDITIONAL FLIGHT DATA: CHANGED "HOLD W, RT, 097.97 INBOUND" TO "HOLD W, RT, 101.58 INBOUND"- NEW MAGVAR/FAF COURSE CHANGED
27. ADDITIONAL FLIGHT DATA: CHANGED FROM "OZRAJ TO RW27: 3.00/40" TO "OZRAJ TO RW28: 3.00/40" - RUNWAY NUMBER CHANGE
28. ALTERNATE MINIMUMS: ADDED NA WHEN LOCAL WEATHER NOT AVAILABLE" - 8260.19, ATTACHMENT 4 - CRITERIA CLARIFICATION WHEN BACK-UP ALTIMETER PUBLISHED
29. MINIMUMS: LNAV CAT A AND B MDA/HAT CHANGED FROM 2620/376 TO 2580/338 - NEW SURVEY/NEW CONTROLLING OBSTACLE
30. MINIMUMS: CIRCLING CAT A HAA CHANGED FROM 475 TO 470 AND CAT B HAA CHANGED FROM 695 TO 690 - NEW AIRPORT SURVEY/ELEVATION

**COORDINATED WITH:**

**A4A**  **ALPA**  **AOPA**  **APA**  **HAI**  **NBAA**  **OTHER:** ZMP ARTCC, AMGR

**FLIGHT CHECKED BY**

PENDING

*Digitally signed by*  
**CASIMIR L TABAKA**

Oct 14, 2022

**OFFICE**

**DATE**

**DEVELOPED BY**

APRIL SARMENTO

*Digitally signed by*  
**APRIL T SARMENTO**  
Oct 07, 2022

**OFFICE**

AJV-A432

**DATE**

08/12/2022

**APPROVED BY**

JOHNNIE BAKER

*Digitally signed by*  
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Oct 12, 2022

**OFFICE**

AJV-A430

**DATE**

**TITLE**  
MANAGER

