

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
RNAV (RNP) 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> MMU	<u>PROCEDURE NAME</u> RNAV (RNP) Y RWY 23	<u>ORIGINAL/AMENDMENT</u> 1	<u>CITY</u> MORRISTOWN	<u>STATE</u> NJ
<u>AIRPORT ELEVATION</u> 187	<u>TDZE</u> 184	<u>SUPERSEDED</u> RNAV (RNP) Y RWY 23	<u>ORIGINAL/AMENDMENT</u> ORIG-A	<u>DATED</u> 12/11/2014
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 27 NOVEMBER 2025	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>MAG VAR</u> 13W
				<u>EPOCH YEAR</u> 2005
				<u>CANCEL/SUSPEND</u>

TERMINAL ROUTES

<u>FROM</u>	<u>FIX TYPE</u>	<u>TO</u>	<u>FIX TYPE</u>	<u>LEG TYPE</u>	<u>FO/FB</u>	<u>RNP</u>	<u>COURSE</u>	<u>DISTANCE</u>	<u>ALTITUDE</u>
SBJ VOR/DME	IAF	HOLEM		TF	FB	1.00	044.84	19.97	3000
STW VOR/DME	IAF	ELIZE		TF	FB	1.00	132.54	10.06	3000
ELIZE		HOLEM		TF	FB	1.00	123.48	8.08	3000
HOLEM	IF	FIGON		TF	FB	1.00	057.31	5.87	2000
FIGON		BINGG	PFAF	RF	FB	0.50	(2.55 NM RADIUS CW (CFRLM))	7.64	2000
RONOW	IF	BINGG	PFAF	TF	FB	1.00	229.21	6.10	2000
BINGG	PFAF	RW23	MAP	TF	FO	0.30	229.16	5.53	
RW23	MAP	553 MSL		CA			229.11		
553 MSL		SUCSO		DF	FB	1.00			
SUCSO		SBJ VOR/DME		TF	FO	1.00	250.15	12.52	2000

MISSED APPROACH

MAP:

RNP: DA

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 2000 DIRECT SUCSO THEN ON TRACK 250 TO SBJ VOR/DME AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- PROFILE STARTS AT BINGG
- FAC: 229.16 PFAF: BINGG DIST FAF TO MAP: DIST FAF TO THLD:
- MIN ALT: BINGG 2000
- DIST TO THLD FROM OM: MM: IM: 150 HAT: 369 HAT: 0.99 GS ANT:
- MIN GP INCPT: 2000 GP ALT AT PFAF: BINGG 2000 OM: MM: IM:
- GP ANGLE: 3.00 34:1: IS CLEAR 20:1: IS CLEAR TCH: 55.1
- MSA FROM: RW23 2900



PBN REQUIREMENTS NOTE:

RNP AR APCH - GPS. AUTHORIZATION REQUIRED. FROM HOLEM: RF.

NOTES:

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, PROCEDURE NA.
 CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -15°C OR ABOVE 54°C.
 CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON SBJ VOR/DME AIRWAY RADIALS 028 CW 117.
 CHART PROFILE NOTE: SEE PLANVIEW FOR MULTIPLE IF LOCATIONS.
 CHART NOTE: FOR INOPERATIVE ALS, INCREASE RNP 0.11 ALL CATS VISIBILITY TO 1 SM AND RNP 0.30 ALL CATS VISIBILITY TO 1 3/4 SM.
 CHART SPEED ICON IN PLANVIEW AT SBJ: MAX 210 KIAS.
 CHART SPEED ICON IN PLANVIEW AT STW: MAX 210 KIAS.
 CHART SPEED ICON IN PLANVIEW AT HOLEM: MAX 180 KIAS.
 CHART SPEED ICON IN PLANVIEW AT RONOW: MAX 210 KIAS.

ADDITIONAL FLIGHT DATA:

HOLD E, LT, 250.00 INBOUND.

MINIMUMS:

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

ALTERNATE: NA STANDARD

<u>CATEGORY:</u>	<u>A</u>			<u>B</u>			<u>C</u>			<u>D</u>			<u>E</u>		
<u>FINAL TYPE</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>
AUTHORIZATION REQUIRED															
RNP 0.11 DA	553	5/8	369	553	5/8	369	553	5/8	369	553	5/8	369			
RNP 0.30 DA	808	1 3/8	624	808	1 3/8	624	808	1 3/8	624	808	1 3/8	624			



CHANGES - REASONS

1. TERMINAL ROUTES: CHANGED IF SHOTT TO HOLEM - RF SEGMENT REDESIGNED DUE TO FAF RELOCATION.
2. TERMINAL ROUTES: CHANGED IAF SBJ VOR/DME SEGMENT COURSE FROM 044.83 TO 044.84 - IF RELOCATED.
3. TERMINAL ROUTES: CHANGED IAF STW VOR/DME SDF SEGMENT COURSE FROM 123.44 TO 123.48 - IF RELOCATED.
4. TERMINAL ROUTES: CHANGED IF SEGMENT COURSE FROM 057.36 TO 057.31 - IF RELOCATED.
5. TERMINAL ROUTES: CHANGED CNF FIX IN THE IF SDF SEGMENT FROM XUGLY TO CFRLM - 8260.19J, PARA 2-10-4A(4)NOTE.
6. TERMINAL ROUTES: REPLACED CODOL WITH SUCSO AND SEGMENT DISTANCE FROM 5.93 TO 8.15 - MISSED APPROACH SEGMENT REDESIGNED PER ATC REQUEST.
7. TERMINAL ROUTES: ADDED SUCSO TO SBJ VOR/DME SEGMENT - MISSED APPROACH REDESIGNED PER ATC REQUEST.
8. MISSED APPROACH INSTRUCTIONS: CHANGED FROM "CLIMB TO 2000 ON TRACK 229.11 TO CODOL AND HOLD" TO "CLIMB TO 2000 DIRECT SUCSO THEN ON TRACK 250° TO SBJ VOR/DME AND HOLD" - MISSED APPROACH REDESIGNED PER ATC REQUEST.
9. PROFILE LINE 4: ADDED MIN ALT "BINGG 2000" - 8260.19K, 8-6-7D(3).
10. PROFILE LINE 5: ADDED "369 HAT: 0.99" - 8260.19K, 8-6-7E(3).
11. PROFILE LINE 7: CHANGED 34:1 FROM "IS NOT CLEAR" TO "IS CLEAR" AND ADDED 20:1 IS CLEAR - NO PENETRATIONS EXIST.
12. PBN REQUIREMENTS NOTE: ADDED "RNP AR APCH - GPS. AUTHORIZATION REQUIRED. FROM HOLEM: RF" - 8260.19K, PARA 8-6-8D(1)&(3)(C).
13. EQUIPMENT REQUIREMENTS NOTES: ADDED "RADAR REQUIRED FOR PROCEDURE ENTRY FROM RONOW" - 8260.19K, PARA 8-6-9A(1).
14. CHANGED CHART NOTE FROM "FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -15°C (5°F) OR ABOVE 48°C (118°F)" TO "FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -15°C OR ABOVE 54°C" - UPDATED AVERAGE TEMPERATURES.
15. REMOVED CHART NOTE "GPS REQUIRED" AND CHART PLANVIEW NOTES "ADJACENT TO SBJ VOR/DME IAF: RF REQUIRED", "ADJACENT TO STW VOR/DME IAF: RF REQUIRED" AND "ADJACENT TO SHOTT IAF: RF REQUIRED" - NO LONGER REQUIRED, NOW COVERED BY PBN REQUIREMENTS NOTE.
16. REMOVED CHART PLANVIEW NOTE "RADAR REQUIRED FOR ARRIVALS AT RONOW" - NO LONGER REQUIRED, NOW COVERED BY EQUIPMENT REQUIREMENTS NOTES.
17. REMOVED CHART NOTES "AT SBJ VOR/DME: (RNP 0.50), MAX 210 KIAS", "AT STW VOR/DME: (RNP 0.50), MAX 210 KIAS" AND "AT SHOTT: (RNP 0.50), MAX 180 KIAS" - NO LONGER REQUIRED.
18. REMOVED CHART PLANVIEW NOTE "PROCEDURE NA FOR ARRIVALS AT SHOTT ON V213 SOUTHBOUND" - SHOTT NO LONGER PART OF THE PROCEDURE.
19. REMOVED "VISIBILITY REDUCTION BY HELICOPTERS NA" - NO LONGER REQUIRED, RNP PROCEDURE.
20. ADDED "CHART SPEED ICON IN PLANVIEW AT SBJ: MAX 210 KIAS", "CHART SPEED ICON IN PLANVIEW AT RONOW: MAX 210 KIAS", "CHART SPEED ICON IN PLANVIEW AT HOLEM: MAX 180 KIAS" AND "CHART SPEED ICON IN PLANVIEW AT STW: MAX 210 KIAS" - SPEED RESTRICTIONS REQUIRED PER ATC.
21. REMOVED "CHART PLANVIEW NOTE AT RONOW: MAX 210 KIAS" - OUTDATED NOTE FORM.
22. CHANGED CHART NOTE FROM "FOR INOPERATIVE MALSR, INCREASE RNP 0.11 ALL CATS VISIBILITY TO 1 1/4 MILE AND RNP 0.30 ALL CATS VISIBILITY TO 2 MILES" TO "FOR INOPERATIVE ALS, INCREASE RNP 0.11 ALL CATS VISIBILITY TO 1 SM AND RNP 0.30 ALL CATS VISIBILITY TO 1 3/4 SM" - PER UPDATED 8260.3G VIS TABLES.
23. ADDITIONAL FLIGHT DATA: REMOVED "ROUTE TYPE: A, R", "ROUTE TYPE QUALIFIER 2: S" AND "ROUTE TYPE QUALIFIER 1: P" - NO LONGER REQUIRED.
24. ADDITIONAL FLIGHT DATA: REMOVED "CHART FAS OBST: 437 TOWER 404907N/0742250W" AND "CHART FAS OBST: 285 TREE 404859N/0742346W" - NOT DOCUMENTED ON RNP PROCEDURES.
25. ADDITIONAL FLIGHT DATA: REMOVED "#237.9 MSL (DO NOT CHART)" - NO LONGER REQUIRED.
26. ADDITIONAL FLIGHT DATA: CHANGED FROM "HOLD SW, RT, 049.06 INBOUND" TO "HOLD E, LT, 250.00 INBOUND" - HOLDING POINT CHANGED FROM CODOL TO SBJ VOR/DME.
27. CHANGED RNP 0.11 ALL CATS HAT FROM 370 TO 369 AND ALL CATS VISIBILITY FROM 3/4 SM TO 5/8 SM - PER UPDATED TDZE, VISIBILITY PER UPDATED 8260.3G VIS TABLES.
28. CHANGED RNP 0.30 ALL CATS DA/HAT FROM 788/605 TO 808/624 AND ALL CATS VISIBILITY FROM 1 5/8 SM TO 1 3/8 SM - PER UPDATED TDZE, VISIBILITY PER UPDATED 8260.3G VIS TABLES.

10/01/2025: THIS IS A CORRECTED COPY OF THE FORM SIGNED 09/29/2025.

1. TERMINAL ROUTES: SUCSO TO SBJ VOR/DME ADDED DISTANCE 12.52.
2. MISSED APPROACH INSTRUCTIONS: REMOVED DEGREE SYMBOL.
3. REMOVED EQUIPMENT REQUIREMENTS NOTE "RADAR REQUIRED FOR PROCEDURE ENTRY FROM RONOW."

COORDINATED WITH:

A4A
 ALPA
 AOPA
 APA
 HAI
 NBAA
 OTHER: ZNY, NY APP CON, ARPT MGR, ATA

FLIGHT CHECKED BY

GALEN W COLLINS

Digitally signed by

CASIMIR L TABAKA

Sep 29, 2025

OFFICE

AJF

DATE

09/26/2025

DEVELOPED BY

CASIMIR L. TABAKA (SILVIA YOUNG)

Digitally signed by

CASIMIR L TABAKA

Sep 29, 2025

OFFICE

AJV-A432

DATE

05/29/2025

APPROVED BY

CASIMIR L. TABAKA

Digitally signed by

CASIMIR L TABAKA

Sep 29, 2025

OFFICE

AJV-A432

DATE

TITLE
MANAGER

