

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
NDB STANDARD INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.27**

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> MLJ	<u>PROCEDURE NAME</u> NDB RWY 28	<u>ORIGINAL/AMENDMENT</u> 6	<u>CITY</u> MILLEDGEVILLE	<u>STATE</u> GA
<u>AIRPORT ELEVATION</u> 385	<u>TDZE</u> 379	<u>SUPERSEDED</u> NDB RWY 28	<u>ORIGINAL/AMENDMENT</u> 5	<u>DATED</u> 09/08/2022
<u>FACILITY</u> UMB	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u> 01/25/2024	<u>MAG VAR</u> 4W
				<u>EPOCH YEAR</u> 2000
				<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>
SINCA INT		UMB NDB					083.44	22.84	2400

MISSED APPROACH

MAP:

3.69 NM AFTER UMB NDB

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 1400 THEN CLIMBING LEFT TURN TO 2400 DIRECT UMB NDB AND HOLD, CONTINUE CLIMB-IN-HOLD TO 2400.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

- PT L SIDE OF COURSE 095.98 OUTBOUND 2400 FT WITHIN 10 MILES OF UMB NDB (IAF)
-
- FAC: 275.98 FAF: UMB NDB DIST FAF TO MAP: 3.69 DIST FAF TO THLD: 3.69
- MIN ALT: UMB NDB 1600
- MSA FROM: UMB NDB 2300

NOTES:

CHART NOTE: RWY 28 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT SINCA ON V155 SOUTHWEST BOUND V179 NORTHWEST BOUND.

ADDITIONAL FLIGHT DATA:

HOLD E, RT, 275.98 INBOUND.
CHART FAS OBST: 638 TOWER (13-144536) 330753N/0831357W.
860 AAO 330819N/0830956W.
CHART CIRCLING ICON.
UMB NDB TO RW28: 3.07/40.



MINIMUMS:

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

ALTERNATE: NA STANDARD - CAT D 900-3, NA WHEN LOCAL WEATHER NOT AVAILABLE.

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
S-28	940	1	561	940	1	561	940	1 5/8	561	940	1 5/8	561				
CIRCLING	940	1	555	940	1	555	1080	2	695	1280	3	895				

CHANGES - REASONS

1. MAP: CHANGED FROM "3.67 NM AFTER UMB NDB" TO "3.69 AFTER UMB NDB" – NEW 82 FT DISPLACED THRESHOLD.
2. PROFILE LINE 3: CHANGED DIST FAF TO MAP AND DIST FAF TO THLD FROM "3.67" TO "3.69" – NEW 82 FT DISPLACED THRESHOLD.
3. UPDATED AND MOVED BACKUP ALTIMETER AND ASSOCIATED NOTES TO THE 8260-9 PART C: GENERAL REMARKS - PER FPT REQUEST.
4. ADDITIONAL FLIGHT DATA: CHANGED 7:1 EXCLUDED OBSTACLE FROM "760 AAO 330821N/0831010W" TO "860 AAO 330819N/0830956W" – NEW 7:1 OBSTACLE.
5. ADDITIONAL FLIGHT DATA: CHANGED "UMB NDB TO RW28 3.07/44" TO "UMB NDB TO RW28 3.07/40" – PER FPT, 82 FT DISPLACED THRESHOLD.
6. MINIMUMS: CHANGED CIRCLING CAT C MDA/HAA FROM "1100/715" TO "1080/695" – NEW CONTROLLING OBSTACLE.

COORDINATED WITH:

A4A **ALPA** **AOPA** **APA** **HAI** **NBAA** **OTHER:** ZTL, AMGR

FLIGHT CHECKED BY

PENDING

OFFICE

DATE

DEVELOPED BY

CASIMIR L. TABAKA (ROBERT A. SWINSON)

OFFICE

AJV-A432

DATE

08/21/2023

APPROVED BY

CASIMIR L. TABAKA

OFFICE

AJV-A432

DATE

TITLE
MANAGER



**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD**

<u>AIRPORT ID</u> MLJ	<u>PROCEDURE NAME</u> NDB RWY 28	<u>AMDT NO.</u> 6	<u>CITY</u> MILLEDGEVILLE	<u>STATE</u> GA	<u>AIRPORT ELEVATION</u> 385	<u>FACILITY</u> UMB
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PART A: OBSTRUCTION DATA SEGMENTS

FEEDER

FROM SINCA INT **TO** UMB NDB

RNP DISTANCE PAT MAP HAT HMAS
22.84

<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
TOWER (13-001740)	330204.00N/0832948.00W	1070	500	50	5D	1000				AT330	2400
TERRAIN	330215.00N/0833100.00W	695 (700)								AS1500	2200

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INTERMEDIATE: PT

FROM 10 NM **TO** UMB NDB

RNP DISTANCE PAT MAP HAT HMAS
10.00

<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
AAO	331036.00N/0830439.00W	814	250	10	4B	500					1400
TERRAIN	331036.00N/0830439.00W	613 (600)								AS1000	1600

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



AIRPORT ID
MLJ

PROCEDURE NAME
NDB RWY 28

AMDT NO.
6

CITY
MILLEDGEVILLE

STATE
GA

AIRPORT ELEVATION
385

FACILITY
UMB

FINAL

FROM
UMB NDB

TO
3.69 NM AFTER UMB NDB

RNP

DISTANCE
3.69

PAT

MAP
3.69 NM AFTER UMB NDB

HAT
561

HMAS

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (13-144536)	330753.30N/0831356.81W	638	20	3	1A	300					940

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

PROCEDURE TURN

FROM
UMB NDB

TO
10 NM

RNP

DISTANCE

PAT

MAP

HAT

HMAS

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (13-103445)	330438.33N/0830847.83W	1115	50	20	2C	1000				AT285	2400
TERRAIN	331451.00N/0830615.00W	656 (700)								AS1500	2200

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



AIRPORT ID
MLJ

PROCEDURE NAME
NDB RWY 28

AMDT NO.
6

CITY
MILLEDGEVILLE

STATE
GA

AIRPORT ELEVATION
385

FACILITY
UMB

MISSED APPROACH

FROM
3.69 NM AFTER UMB NDB

TO
UMB NDB

RNP **DISTANCE** **PAT** **MAP** **HAT** **HMAS**
640

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				2400
TOWER (13-103445)	330438.33N/0830847.83W	1115	50	20	2C	1000					2200
TERRAIN	330630.00N/0832015.00W	623 (600)								AS1500	2100

COMPUTATIONS

ALT **KIAS** **KTAS** **HAA** **VKTW** **TR** **BA** **DTA** **COURSE CHANGE** **DVEB** **VEB OCS** **RF CENTER FIX/DISTANCE**

SEGMENT REMARKS:

CIRCLING ALL CATS CAT A CAT B CAT C CAT D CAT E NOT AUTHORIZED

OBSTRUCTION	COORDINATES	RADIUS	HAA	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
CATEGORY A											
TOWER (13-022599)	330841.77N/0831550.98W	1.30	555	595	20	10	1B	300		SI	940
CATEGORY B											
TOWER (13-144536)	330753.30N/0831356.81W	1.82	555	638	20	3	1A	300			940
CATEGORY C											
ANTENNA (13-164401)	330655.01N/0831309.33W	2.86	695	777	20	10	1B	300			1080
CATEGORY D											
TOWER (13-000279)	330628.00N/0831656.00W	3.73	895	919	250	50	4D	300		AC50	1280

CIRCLING REMARKS:

MSA

CENTER **RADIUS**
UMB NDB 25

SECTOR	OBSTRUCTION	COORDINATES	BEARING	DISTANCE	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
360-360	TOWER (13-002311)	324400.00N/0831916.00W	202	26.4	1229	500	50	5D	1000			2300

MSA REMARKS:



AIRPORT ID
MLJ

PROCEDURE NAME
NDB RWY 28

AMDT NO.
6

CITY
MILLEDGEVILLE

STATE
GA

AIRPORT ELEVATION
385

FACILITY
UMB

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:

PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH

ATL APP CON, MCN FSS, ZTL ARTCC

WX SERVICE
AWOS-3

LOCATION
MLJ

HRS OPERATION
24

ALTIMETER SOURCE
MLJ

DISTANCE
0.00

SERVICE-A
Y

ADJUSTMENTS
0

BACK-UP WX SERVICE
ASOS

LOCATION
MCN

HRS OPERATION
24

ALTIMETER SOURCE
MCN

DISTANCE
34.46

SERVICE-A
Y

ADJUSTMENTS
84

WX REMARKS:

RASS PRESSURE PATTERNS THE SAME
KMLJ 385 , KMCN 354
RA = 83.6.

PRIMARY NAVAID
UMB NDB

MONITOR POINT
AOCC

HRS OPERATION
24

CAT
1

APPROACH AND RUNWAY LIGHTING SYSTEM	RUNWAY MARKINGS	RUNWAY VISUAL RANGE
RW10 - MALSF (PCL), REIL (PCL), MIRL (PCL), PAPI-2L (PCL)	NPI-G	
RW28 - MIRL (PCL), REIL (PCL), PAPI-2L (PCL)	NPI-G	

GLIDESLOPE ANGLE

ELEV RWY THRESHOLD

TCH

ELEV GS ANTENNA

DISTANCE FROM RWY

VGSI ANGLE
3.00

TCH
43.6

FINAL APPROACH COURSE AIMING

RUNWAY THRESHOLD
ON CENTERLINE

FT FROM THRESHOLD
FT FROM CENTERLINE

DISPLACED THRESHOLD DISTANCE 82

CRITICAL TEMPERATURES

CRITICAL LOW

CRITICAL HIGH

ACT

APT ISA

CRITICAL TEMPERATURE REMARKS:



"VISUAL PORTION OF FINAL" PENETRATIONS

FINAL TYPE	NDB
34:1	
447 TREE (13-163326) 330918.08N/0831332.52W (31.93)	459 TREE (13-139265) 330907.94N/0831325.75W (25.95)
444 TREE (13-025929) 330909.06N/0831331.18W (24.64)	442 TREE (13-025918) 330918.31N/0831331.41W (24.18)
423 TREE (13-139651) 330917.59N/0831338.03W (21.64)	448 TREE (13-139614) 330908.68N/0831328.15W (21.03)
422 TREE (13-139335) 330916.54N/0831337.89W (20.19)	441 TREE (13-139368) 330908.41N/0831330.31W (19.4)
425 TREE (13-139419) 330917.11N/0831336.32W (19.32)	430 TREE (13-139199) 330910.19N/0831333.70W (17.05)
449 TREE (13-025925) 330907.68N/0831325.82W (16.1)	419 TREE (13-139591) 330916.75N/0831337.27W (15.66)
450 TREE (13-025926) 330908.69N/0831324.86W (14.8)	424 TREE (13-139671) 330917.26N/0831334.73W (14.36)
443 TREE (13-164161) 330909.16N/0831326.83W (12.78)	427 TREE (13-025930) 330909.13N/0831333.10W (12.44)
438 TREE (13-025927) 330908.76N/0831328.63W (12.23)	425 TREE (13-163959) 330911.07N/0831333.70W (12.14)
421 TREE (13-139144) 330916.70N/0831334.26W (10.13)	439 TREE (13-025928) 330908.15N/0831327.40W (10.1)
427 TREE (13-163663) 330916.86N/0831331.69W (9.72)	422 TREE (13-139235) 330910.98N/0831333.45W (8.51)
418 TREE (13-163455) 330912.35N/0831334.99W (8.5)	416 TREE (13-139401) 330912.78N/0831335.62W (8.12)
421 TREE (13-139373) 330917.41N/0831332.58W (6.01)	424 TREE (13-139706) 330916.48N/0831331.19W (5.44)
418 TREE (13-139720) 330911.67N/0831333.47W (4.63)	372 TREE (13-163667) 330912.71N/0831351.66W (4.2)
427 TREE (13-164213) 330913.16N/0831329.52W (3.92)	373 TREE (13-139403) 330913.36N/0831350.84W (3.22)
420 TREE (13-139481) 330915.38N/0831331.88W (3.05)	422 TREE (13-164654) 330910.18N/0831331.20W (2.8)
366 TRAVERSE_WAY (13-163708) 330911.98N/0831353.27W (2.15)	418 TREE (13-164045) 330911.08N/0831332.43W (1.97)
414 TREE (13-163679) 330915.65N/0831333.74W (1.72)	367 TRAVERSE_WAY (13-164249) 330913.02N/0831352.58W (1.53)
425 TREE (13-163832) 330909.99N/0831329.48W (1.49)	417 TREE (13-139485) 330910.96N/0831332.63W (1.46)
419 TREE (13-164242) 330911.85N/0831331.68W (1.18)	367 TRAVERSE_WAY (13-164166) 330916.35N/0831352.29W (1.15)
370 TREE (13-139503) 330912.03N/0831351.21W (1)	367 TRAVERSE_WAY (13-163463) 330914.11N/0831352.21W (0.72)
423 TREE (13-139724) 330913.69N/0831329.74W (0.52)	

PENETRATIONS REMARKS:

HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS

and/or

5280-FT "PROCEED VFR" SEGMENT LEVEL SURFACE AREA PENETRATIONS

PENETRATIONS REMARKS:



PART C: GENERAL REMARKS:

VDP NOT ESTABLISHED - FINAL FACILITY DOES NOT HAVE DME.

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

100 FT VEGETATION USED PER FPT.

FOR CONTINGENCY PURPOSE:

WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE MIDDLE GEORGIA RGNL ALTIMETER SETTING AND INCREASE ALL MDAS 100 FEET AND S-28 VISIBILITY CATS C AND D 1/4 SM, AND CIRCLING VISIBILITY CAT C 1/4 SM.

AIRPORT DOES NOT MEET PART 77 SURFACE REQUIREMENTS FOR VISIBILITY REDUCTION.

ORDER 8260.3 CHAPTER 2 APPLIED TO 860 AAO 330818.98N/0830955.94W.

ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.

PART D: AIRSPACE

DOCKET #

ALL DISTANCES TO 1/100NM; ELEVATION TO NEAREST 100 FEET; COORDINATES TO 1/100 SECOND; DEG TO 1/100 DEGREE

DISTANCE FROM	THLD	TO 1000FT POINT	3.69
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	2.50
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	271.98
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	600
DISTANCE FROM	FACILITY	TO 1500FT POINT	7.00
WIDTH OF	INTERMEDIATE	SEGMENT AT 1500FT POINT	5.06
TRUE COURSE OF	INTERMEDIATE	SEGMENT CONTAINING 1500FT POINT	271.98
HIGH TERRAIN IN	INTERMEDIATE	SEGMENT CONTAINING 1500FT POINT	600

THRESHOLD COORDINATES (IF STR-IN)

330914.29N/0831357.67W

ARP COORDINATES

330915.21N/0831429.07W

RUNWAY APCH END AND DIST FURTHEST FROM ARP

RUNWAY 10 DISTANCE 0.45 NM

FAF COORDINATES

330906.73N/0830934.43W

FIX NAME COORDINATES

REMARKS

THLD DISPLACED 82FT, ACTUAL COORDINATES: 330914.26N/0831356.71W

PART E: PREPARED BY

NAME

CASIMIR L. TABAKA (ROBERT A. SWINSON)

OFFICE

AJV-A432

DATE

08/21/2023

TITLE

AERONAUTICAL INFORMATION SPECIALIST

