

**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> CMD	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 2	<u>ORIGINAL/AMENDMENT</u> 2	<u>CITY</u> CULLMAN	<u>STATE</u> AL
<u>AIRPORT ELEVATION</u> 970	<u>TDZE</u> 957	<u>SUPERSEDED</u> RNAV (GPS) RWY 2	<u>DATED</u> 01/05/2017	<u>MAG VAR</u> 3W
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>EPOCH YEAR</u> 2015
				<u>CANCEL/SUSPEND</u>

TAA

<u>FROM</u>	<u>FIX TYPE</u>	<u>TO</u>	<u>FIX TYPE</u>	<u>ALTITUDE</u>
1. 289/30 CW 109/30	NOPT	289/10 CW 109/10		4100
2. 289/10 CW 109/10		MELYE	IF/IAF	3200
3. 109/30 CW 289/30		109/10 CW 289/10		6900
4. 109/10 CW 289/10		MELYE	IF/IAF	3200

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>
MELYE	IF/IAF	DOWDU		TF	FB	1.00	019.48	6.81	2700
DOWDU	FAF	CUSAG/2.44 NM TO RW02		TF	FB	0.30	019.50	2.15	
CUSAG/2.44 NM TO RW02		RW02	MAP	TF	FO	0.30	019.50	2.44	
RW02	MAP	1370 MSL		CA			019.50		
1370 MSL		AMUXY		DF	FO	1.00			2900

MISSED APPROACH

MAP:

LP: RW02
LNAV: RW02

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 2900 DIRECT AMUXY AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1.	PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)									
2.	HOLD S MELYE, RT, 019.48 INBOUND, 3200 FT. IN LIEU OF PT (IAF), MAX 6000.														
3.	FAC:	019.50	FAF:	DOWDU	DIST FAF TO MAP:	4.59	DIST FAF TO THLD:	4.59							
4.	MIN ALT:	MELYE 3200, DOWDU 2700, CUSAG/2.44 NM TO RW02 1900													
5.	DIST TO THLD FROM OM:	MM:	IM:	150 HAT:	GS ANT:										
6.	MIN GP INCPT:	GP ALT AT FAF:													
7.	GP ANGLE:	34:1:	IS NOT CLEAR	20:1:	IS NOT CLEAR	TCH:									
8.	MSA FROM:														

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
CHART NOTE: RWY 2 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.
CHART NOTE: STRAIGHT-IN AND CIRCLING RWY 2 NA AT NIGHT.

ADDITIONAL FLIGHT DATA:

DOWDU TO RW02 3.50/58.5.
HOLD N, RT, 199.56 INBOUND.
CHART FAS OBST: 1157 WATER TOWER (01-069206) 341415N/0865157W.
CHART 1338 TOWER (01-002107) 341058N/0865247W, 1284 ANTENNA (01-069487) 341313N/0865135W.
CHART R2104 A/D.
WAAS CHANNEL # 58235
REFERENCE PATH ID: W02A
CHART CIRCLING ICON.
LTP HAE: 256.8 M

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		
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
LP MDA	1420	1	463	1420	1	463	1420	1 3/8	463	1420	1 3/8	463			
RNAV MDA	1440	1	483	1440	1	483	1440	1 3/8	483	1440	1 3/8	483			
CIRCLING	1480	1	510	1500	1	530	1600	1 3/4	630	1640	2	670			



CHANGES - REASONS

1. AIRPORT ELEVATION CHANGED FROM: "969" TO "970" – PER UPDATED SURVEY 8/25/2022.
2. TAA: CHANGED FROM "289 CW 109: 3200; 109 CW 289: 3200" TO "289 CW 109: 6900; 10NM STEPDOWN ARC 3200 AND 109 CW 289: 3800; 10NM STEPDOWN ARC 3200" – PER FPT REQUEST.
3. TERMINAL ROUTES: CHANGED DIST BETWEEN IF/IAF AND FAF FROM "6.02" TO "6.81" - FAF RELOCATED PER GPA/TCH.
4. TERMINAL ROUTES: CHANGED DIST BETWEEN FAF TO SDF FROM "2.88" TO "2.15" - FAF RELOCATED PER GPA/TCH.
5. TERMINAL ROUTES: CHANGED DIST BETWEEN SDF RW02 FROM "2.50" TO "2.44" - SDF RELOCATED PER GPA/TCH.
6. TERMINAL ROUTES: MAP ALTITUDE CHANGED FROM "1369" TO "1370" – AIRPORT ELEVATION CHANGED TO 970.
7. PROFILE LINE 3: DIST FAF TO MAP CHANGED FROM "5.38" TO "4.59" - FAF RELOCATED PER NEW GPA/TCH.
8. PROFILE LINE 3: DIST DIST FAF TO THLD CHANGED FROM "5.38" TO "4.59" - FAF RELOCATED PER NEW GPA/TCH.
9. PROFILE LINE 4: CHANGED FROM "CUSAG/2.50 NM TO RW02 1780" TO "CUSAG/2.44 NM TO RW02 1900" - PER NEW GPA/TCH AND ALTITUDE RAISED PER FPT CHECKLIST.
10. PROFILE LINE 7: ADDED 20:1 NOT CLEAR - 20:1 PENETRATION PRESENT.
11. ADDITIONAL FLIGHT DATA: ADDED CHART 1338 TOWER (01-002107) 341058N/0865247W, 1284 ANTENNA (01-069487) 341313N/0865135W - NEW 7:1 SURVEYED OBS.
12. CHART PROFILE NOTE: REMOVED VISUAL SEGMENT OBSTACLES AND ADDED DOWDU TO RW02 3.50/58.5 - GP/TCH UPDATED TO 3.5/58.5.
13. MISSED APPROACH: HOLDING ALTITUDE AT AMUXY CHANGED FROM 3700 TO 2900 – PER FPT REQUEST.
14. CHART FAS OBST: CHANGED FROM: "1152 TANK 341415N/0865157W AND 1289 TOWER 341313N/0865135W" TO "1157 WATER_TOWER (01-069206) 341415N/0865157W" – NEW LP AND LNAV CONTROLLING OBSTACLE.
15. MINIMUMS: CIRCLING CAT A MDA/HAT CHANGED FROM: "1440/471" TO "1480/510" – PER NEW OBSTACLE EVALUATION.
16. MINIMUMS: CIRCLING HAT CAT B, C, D CHANGED FROM: "531, 631, 671" TO "530, 630, 670" – PER NEW AIRPORT ELEVATION.
17. MINIMUMS: CICLING CAT D VIS CHANGED FROM: "2 1/4" TO "2" – PER 8260.3 TABLE 3-3-7.
18. FAS DATA: LTP/FTP LATITUDE CHANGED FROM "341541.2495N" TO "341541.2485N" – NEW AIRPORT SURVEY.
19. FAS DATA: LTP/FTP LONGITUDE CHANGED FROM "0865138.2475W" TO "0865138.2390W"- PER NEW DATA PULL.
20. FAS DATA: TCH CHANGED FROM "66.8" TO "58.5" – TO SUPPORT 3.5 DEGREE GLIDESLOPE.
21. FAS DATA: GPA CHANGED FROM "3.00" TO "3.50" - PER FPT CHECKLIST.
22. FAS DATA CRC REMAINDER CHANGED FROM "D6BA012" TO "3BEC44F2" – NEW LTP POSITION/NEW LTP ORTHOMETRIC HEIGHT AND NEW FPAP POSITION.
23. LTP ORTHOMETRIC HEIGHT AND FPAP ORTHOMETRIC HEIGHT CHANGED FROM: "+02847" TO "+02848" – NEW AIRPORT SURVEY/AIRNAV DATA.
24. FAS DATA: FPAP POSITION CHANGED FROM "341706.8200N/0865107.6700W" TO "341706.8210N/0865107.6775W" - NEW FAS DATA CALCULATIONS.
25. ALTERNATE MINS: CHANGED FROM CAT D 800-2 1/4 TO STANDARD - NA WHEN LOCAL WEATHER NOT AVAILABLE - CIRCLING CAT D VISIBILITY UPDATED.

04/24/2025: THIS A CORRECTED COPY OF THE FORM APPROVED ON 04/17/2025.

1. PBN REQUIREMENTS: ADDED "RNP APCH – GPS"

COORDINATED WITH:

A4A

ALPA

X

AOPA

X

APA

HAI

NBAA

X

OTHER:

ZME ARTCC, HSV APP CON, AMGR, ZTL ARTCC

FLIGHT CHECKED BY

JON DAVID HOLLAND

Digitally signed by

DAVID DANNER

Apr 28, 2025

OFFICE

FIOG

DATE

03/11/2025

DEVELOPED BY

JOHN BORDY (GIORGIA FERREIRA)

Digitally signed by

DAVID DANNER

Apr 28, 2025

OFFICE

AJV-A421

DATE

09/25/2024

APPROVED BY

JOHN BORDY

Digitally signed by

DAVID DANNER

Apr 28, 2025

OFFICE

AJV-A33

DATE

05/08/2025

TITLE

MANAGER



FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KCMD
RUNWAY	RW02
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W02A
LTP/FTP LATITUDE	341541.2485N
LTP/FTP LONGITUDE	0865138.2390W
LTP/FTP ELLIPSOIDAL HEIGHT	+02568
FPAP LATITUDE	341706.8210N
FPAP LONGITUDE	0865107.6775W
THRESHOLD CROSSING HEIGHT (TCH)	00058.5
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.50
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1072
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	00.0
CRC REMAINDER	3BEC44F2

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+02848
FPAP ORTHOMETRIC HEIGHT	+02848



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

<u>AIRPORT ID</u>	<u>PROCEDURE NAME</u>	<u>AMDT NO.</u>	<u>CITY</u>	<u>STATE</u>	<u>AIRPORT ELEVATION</u>	<u>FACILITY</u>
CMD	RNAV (GPS) RWY 2	2	CULLMAN	AL	970	RNAV

PART A: OBSTRUCTION DATA SEGMENTS

STRAIGHT-IN AREA

FROM 289/30 CW 109/30 **TO** 289/10 CW 109/10

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>				<u>HMAS</u>		
<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 (01-000992)	334853.00N/0862650.00W	2065	500	125	5E	2000					4100
TERRAIN	334442.00N/0863139.00W	1505 (1500)								AS1500	3000

COMPUTATIONS

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

SEGMENT REMARKS:

STRAIGHT-IN AREA

FROM 289/10 CW 109/10 **TO** MELYE

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>				<u>HMAS</u>		
<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 (01-001199)	340457.00N/0865413.00W	2056	50	20	2C	1000				AT144	3200
TERRAIN	340248.00N/0864903.00W	935 (900)								AS1500	2400

COMPUTATIONS

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

SEGMENT REMARKS:



STRAIGHT-IN AREA

FROM

109/30 CW 289/30

TO

109/10 CW 289/10

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>			<u>HAT</u>			<u>HMAS</u>		
<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>
TETHERED_BALLOON (01-074862)	342028.00N/0872017.80W	5871	1000	125	6E	1000					6900
TERRAIN	340445.00N/0861927.00W	1332 (1300)								AS1500	2800

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

STRAIGHT-IN AREA

FROM

109/10 CW 289/10

TO

MELYE

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>			<u>HAT</u>			<u>HMAS</u>		
<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 (01-001199)	340457.00N/0865413.00W	2056	50	20	2C	1000				AT144	3200
TERRAIN	341357.00N/0865648.00W	1046 (1000)								AS1500	2500

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



INTERMEDIATE

FROM

MELYE (IF/IAF)

TO

DOWDU

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
1.00	6.81										
<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 (01-001199)	340457.00N/0865413.00W	2056	50	20	2C	500				DG144	2700
TERRAIN	341048.00N/0865442.00W	967 (1000)								AS1500	2500

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LP

FROM

DOWDU

TO

CUSAG/2.44 NM TO RW02

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
0.30	2.15										
<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 (01-002213)	341211.73N/0865236.97W	1217	20	3	1A	250				RA120 DG313	1900

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



FINAL: LP STEPDOWN

FROM

CUSAG/2.44 NM TO RW02

TO

RW02

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u>				
0.30	2.15		RW02		463						
<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>
WATER_TOWER (01-069206)	341415.13N/0865157.07W	1157	20	3	1A	250					1420

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LNAV

FROM

DOWDU

TO

CUSAG/2.44 NM TO RW02

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u>				
0.30	2.15										
<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 (01-002213)	341211.73N/0865236.97W	1217	20	3	1A	250				RA120 DG313	1900

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



FINAL: LNAV STEPDOWN

FROM

CUSAG/2.44 NM TO RW02

TO

RW02

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>
0.30	2.44		RW02	483	

<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>
WATER_TOWER (01-069206)	341415.13N/0865157.07W	1157	20	3	1A	250				XP33	1440

COMPUTATIONS

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

SEGMENT REMARKS:
MAINTAIN CURRENT PUBLISHED MINIMUMS.

HOLD-IN-LIEU OF PT

FROM

MELYE

TO

P-5

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>
		P-5			

<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 (01-001199)	340457.00N/0865413.00W	2056	50	20	2C	1000				AT144	3200
TERRAIN	340454.00N/0865018.00W	954 (1000)								AS1500	2500

COMPUTATIONS

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

SEGMENT REMARKS:



MISSED APPROACH: LP

FROM

RW02

TO

AMUXY

<u>RNP</u> 0.30-1.00	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u> 1320				
<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>
							ASC				2900
TOWER (01-021983)	342418.67N/0864802.25W	1435	20	3	1A	1000					2500
TERRAIN	342418.00N/0864839.00W	1187 (1200)								AS1500	2700

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

MISSED APPROACH: LNAV

FROM

RW02

TO

AMUXY

<u>RNP</u> 0.30-1.00	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u> 1340				
<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>
							ASC				2900
TOWER (01-021983)	342418.67N/0864802.25W	1435	20	3	1A	1000					2500
TERRAIN	342418.00N/0864839.00W	1187 (1200)								AS1500	2700

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



AIRPORT ID

CMD

PROCEDURE NAME

RNAV (GPS) RWY 2

AMDT NO.

2

CITY

CULLMAN

STATE

AL

AIRPORT ELEVATION

970

FACILITY

RNAV

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											
TREE	341609.00N/0864951.00W	1.30	510	1173	215	8	4B	300			1480
CATEGORY B											
TREE (01-037934)	341612.23N/0864946.08W	1.84	530	1199	50	20	2C	300			1500
CATEGORY C											
ANTENNA (01-069487)	341313.14N/0865134.97W	2.89	630	1284	20	10	1B	300			1600
CATEGORY D											
TOWER (01-020359)	341343.56N/0865420.59W	3.78	670	1340	50	20	2C	300			1640

CIRCLING REMARKS:

MSA/ESA

CENTER

RADIUS

REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:



PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH

ZME ARTCC, HSV APP CON, ANNISTON FSS

WX SERVICE	LOCATION	HRS OPERATION	ALTIMETER SOURCE	DISTANCE	WMSCR	ADJUSTMENTS
AWOS-3PT	CMD	0	CMD	0.21	Y	0
BACK-UP WX SERVICE	LOCATION	HRS OPERATION	ALTIMETER SOURCE	DISTANCE	WMSCR	ADJUSTMENTS
ASOS	HSV	24	HSV	22.50	Y	120

WX REMARKS:

RASS PRESSURE PATTERNS THE SAME
CMD 970, HSV 623
RA = 100.9

PRIMARY NAVAID	MONITOR POINT	HRS OPERATION	CAT
APPROACH AND RUNWAY LIGHTING SYSTEM		RUNWAY MARKINGS	RUNWAY VISUAL RANGE
RW02 - REIL, MIRL (PCL), PAPI-2L		NPI-G	
RW20 - MIRL (PCL), REIL, PAPI-2L		NPI-G	

GLIDESLOPE ANGLE	ELEV RWY THRESHOLD	TCH	ELEV GS ANTENNA	DISTANCE FROM RWY	VGSI ANGLE	TCH
3.50	934.4	58.5			3.77	58.5

FINAL APPROACH COURSE AIMING

RUNWAY THRESHOLD	☒	FT FROM THRESHOLD	DISPLACED THRESHOLD DISTANCE
ON CENTERLINE	☒	FT FROM CENTERLINE	

CRITICAL TEMPERATURES

CRITICAL LOW	CRITICAL HIGH	ACT	APT ISA
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CRITICAL TEMPERATURE REMARKS:

"VISUAL PORTION OF FINAL" PENETRATIONS

FINAL TYPE	CIRCLING RWY 02, LP, LNAV		
20:1			
1076 TREE (01-068302) 341521.5900N/0865139.5600W (54.76)		1054 TREE (01-026660) 341524.1100N/0865139.3700W (45.19)	
1047 TREE (01-026639) 341524.9800N/0865139.0400W (42.8)		1074 TREE (01-067846) 341519.3100N/0865140.0500W (41.12)	
1037 TREE (01-026642) 341526.0900N/0865138.8300W (38.43)		1053 TREE (01-026638) 341522.9700N/0865139.7500W (38.22)	
1059 TREE (01-026187) 341521.6600N/0865139.8600W (37.74)		1077 TREE (01-026738) 341517.3300N/0865140.4200W (34.08)	
1058 TREE (01-026502) 341520.6900N/0865140.6600W (31.08)		1066 TREE (01-026644) 341518.2900N/0865140.6900W (27.41)	



AIRPORT ID		PROCEDURE NAME	AMDT NO.	CITY	STATE	AIRPORT ELEVATION	FACILITY
CMD		RNAV (GPS) RWY 2	2	CULLMAN	AL	970	RNAV
1054 TREE (01-026202) 341519.6800N/0865140.3300W (22.58)				1070 TREE (01-044020) 341516.6600N/0865141.6500W (22.37)			
1062 TREE (01-026645) 341518.3700N/0865141.9900W (22.25)				1041 TREE (01-044019) 341522.3200N/0865140.8200W (21.79)			
1041 TREE (01-026568) 341522.1200N/0865140.7100W (20.95)				1031 TREE (01-029754) 341523.9700N/0865140.2400W (20.48)			
1022 TREE (01-026663) 341525.1300N/0865139.4100W (18.09)				1032 TREE (01-026283) 341523.3300N/0865141.2100W (17.22)			
1062 TREE (01-026646) 341518.4200N/0865146.4900W (17.13)				1056 TREE (01-043692) 341519.2900N/0865145.6800W (16.31)			
1068 TREE (01-026201) 341515.4900N/0865141.0200W (15.45)				1056 TREE (01-026503) 341518.9200N/0865145.1200W (15.18)			
1049 TREE (01-026562) 341519.7600N/0865142.8400W (14.97)				1079 TREE (01-026737) 341513.1400N/0865141.1000W (14.97)			
1068 TREE (01-026758) 341515.1900N/0865140.7900W (14.27)				1054 TREE (01-026560) 341519.4900N/0865146.6600W (14.11)			
1012 TREE (01-026700) 341526.2900N/0865139.3100W (13.83)				1058 TREE (01-026764) 341517.6900N/0865142.9500W (13.81)			
1054 TREE (01-026584) 341518.7700N/0865144.5500W (13.14)				1052 TREE (01-026561) 341518.8700N/0865143.8400W (12.47)			
1022 TREE (01-028055) 341524.2700N/0865141.5900W (11.32)				1061 TREE (01-026762) 341517.0900N/0865145.5800W (10.77)			
1045 TREE (01-026564) 341519.3900N/0865141.7300W (10.51)				1046 TREE (01-026563) 341519.9300N/0865145.2600W (9.91)			
1038 TREE (01-026569) 341520.7000N/0865141.9700W (9.57)				1054 TREE (01-026203) 341517.2100N/0865142.6800W (7.81)			
1031 TREE (01-026519) 341521.7000N/0865141.8700W (7.53)				1010 TREE (01-026314) 341525.6200N/0865140.6000W (7.04)			
1034 TREE (01-026518) 341521.2400N/0865143.9700W (5.8)				1046 TREE (01-026585) 341518.3300N/0865143.1900W (4.63)			
1055 TREE (01-029756) 341517.2900N/0865146.8100W (4.27)				989 TREE (01-026649) 341530.7200N/0865146.2900W (3.97)			
1037 TREE (01-026588) 341520.3700N/0865144.9000W (3.47)				1048 TREE (01-026587) 341517.7800N/0865144.6600W (2.21)			
1025 TREE (01-026524) 341522.0800N/0865142.9700W (2.06)							
FINAL TYPE		LP, LNAV					
34:1							
1067 TREE (01-043689) 341512.1000N/0865142.8200W (52.17)				1067 TREE (01-069241) 341512.6200N/0865145.8900W (51.5)			
1069 TREE (01-027970) 341511.6600N/0865146.8500W (50.09)				1055 TREE (01-043694) 341516.5200N/0865147.4900W (49.5)			
1056 TREE (01-026364) 341515.0400N/0865143.8200W (48.85)				1065 TREE (01-069361) 341513.1300N/0865149.2700W (48.58)			
1055 TREE (01-026586) 341516.2700N/0865147.8900W (48.5)				1065 TREE (01-025036) 341510.8600N/0865141.3500W (47.67)			
1059 TREE (01-067952) 341514.6400N/0865148.2500W (47.6)				1050 TREE (01-067980) 341515.8400N/0865141.8100W (46.54)			
1059 TREE (01-026763) 341512.9800N/0865144.1000W (45.78)				1066 TREE (01-069538) 341511.0900N/0865148.9000W (44.03)			
1050 TREE (01-026366) 341515.8700N/0865145.6700W (43.92)				1054 TREE (01-067716) 341515.1800N/0865149.3200W (43.39)			
1073 TREE (01-026342) 341508.3000N/0865148.5200W (43.34)				1058 TREE (01-026647) 341513.5900N/0865149.1700W (42.97)			
1065 TREE (01-068803) 341510.6500N/0865148.2000W (42.27)				1064 TREE (01-026322) 341511.0000N/0865148.5600W (42.01)			
1053 TREE (01-026368) 341513.1800N/0865142.7700W (41.29)				1047 TREE (01-067938) 341514.7100N/0865141.3600W (40.64)			
1054 TREE (01-025240) 341512.0600N/0865141.4700W (40.01)				1044 TREE (01-026565) 341517.2900N/0865148.6100W (39.91)			
1065 TREE (01-026320) 341509.1100N/0865147.9100W (38.08)				1060 TREE (01-025031) 341510.1100N/0865145.9900W (37.28)			
1071 TREE (01-026341) 341505.7500N/0865144.6600W (36.78)				1050 TREE (01-068424) 341514.4800N/0865150.2900W (36.72)			
1047 TREE (01-069508) 341514.5100N/0865146.2900W (36.61)				1041 TREE (01-067873) 341515.8000N/0865143.3900W (36.32)			
1029 TREE (01-026521) 341520.3700N/0865147.2100W (34.67)				1036 TREE (01-026390) 341516.1700N/0865140.6000W (34.33)			

QUALITY

25

CL



<u>AIRPORT ID</u> CMD	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 2	<u>AMDT NO.</u> 2	<u>CITY</u> CULLMAN	<u>STATE</u> AL	<u>AIRPORT ELEVATION</u> 970	<u>FACILITY</u> RNAV
1060 TREE (01-025242) 341508.7400N/0865145.6000W (33.65)			1038 TREE (01-026492) 341516.0200N/0865144.0100W (33.51)			
1042 TREE (01-026567) 341515.4200N/0865148.0200W (32.99)			1044 TREE (01-026566) 341514.9900N/0865149.2300W (32.92)			
1044 TREE (01-026367) 341513.7900N/0865144.7000W (32.67)			1026 TREE (01-026589) 341519.6700N/0865144.0500W (31.89)			
1031 TREE (01-046341) 341518.8200N/0865147.8500W (31.8)			1055 TREE (01-069207) 341511.0200N/0865150.3800W (31.79)			
1054 TREE (01-025241) 341511.0900N/0865149.7900W (31.4)			1062 TREE (01-067973) 341507.5100N/0865146.9000W (31.23)			
1056 TREE (01-068357) 341509.6900N/0865147.5800W (30.96)			1026 TREE (01-026590) 341519.9400N/0865147.9300W (29.94)			
1036 TREE (01-067903) 341516.4200N/0865148.4400W (29.55)			1060 TREE (01-026324) 341507.7600N/0865147.5300W (29.5)			
1017 TREE (01-026591) 341521.8800N/0865144.9000W (28.59)			1057 TREE (01-068327) 341508.4400N/0865147.3200W (28.58)			
1044 TREE (01-026520) 341512.9400N/0865147.6600W (28.17)			1040 TREE (01-068389) 341515.2200N/0865151.2700W (28.14)			
1059 TREE (01-025035) 341508.3000N/0865150.3600W (28.05)			1054 TREE (01-025034) 341509.9500N/0865150.7500W (27.48)			
1061 TREE (01-068694) 341506.1600N/0865145.4900W (27.37)			1045 TREE (01-029578) 341512.5000N/0865149.2100W (26.83)			
1036 TREE (01-027985) 341515.1900N/0865147.8600W (26.45)			1017 TREE (01-026526) 341521.1000N/0865145.1600W (26.19)			
998 TREE (01-025119) 341528.2500N/0865147.5400W (25.9)			1038 TREE (01-029755) 341514.0800N/0865147.3200W (25.66)			
1041 TREE (01-068441) 341513.6700N/0865150.0300W (25.59)			1007 TREE (01-026316) 341523.3000N/0865142.4600W (24.35)			
1043 TREE (01-068355) 341511.9900N/0865148.2100W (24.08)			1057 TREE (01-026406) 341505.9700N/0865143.7100W (24.07)			
1038 TREE (01-026493) 341514.1800N/0865150.2000W (23.93)			1040 TREE (01-069555) 341511.7500N/0865143.5500W (23.66)			
1059 TREE (01-068527) 341505.7800N/0865146.8400W (23.34)			1057 TREE (01-043690) 341505.9100N/0865145.0800W (22.94)			
1056 TREE (01-026344) 341506.3300N/0865146.3500W (22.25)			1044 TREE (01-046336) 341509.3500N/0865142.8400W (21.32)			
1047 TREE (01-068176) 341509.3800N/0865149.1900W (19.95)			998 TREE (01-069166) 341526.4600N/0865148.7700W (19.94)			
1041 TREE (01-026682) 341511.8100N/0865150.8200W (19.73)			1057 TREE (01-068519) 341504.4200N/0865143.7800W (19.61)			
997 TREE (01-026582) 341524.5900N/0865140.4200W (19.46)			988 TREE (01-025125) 341527.4900N/0865139.4100W (19.44)			
1037 TREE (01-043691) 341511.7300N/0865145.5100W (19.23)			1052 TREE (01-025033) 341507.1600N/0865148.5300W (19.09)			
1043 TREE (01-026411) 341511.0700N/0865152.0800W (18.74)			1029 TREE (01-069247) 341515.5200N/0865150.2400W (18.72)			
1033 TREE (01-068575) 341514.7200N/0865152.8100W (18.63)			1034 TREE (01-067720) 341514.2700N/0865152.4500W (18.6)			
1034 TREE (01-067918) 341512.2300N/0865144.5700W (18.32)			1054 TREE (01-067768) 341506.1900N/0865148.6700W (18.22)			
1006 TREE (01-026530) 341522.0400N/0865144.6900W (18.2)			990 TREE (01-026643) 341526.4800N/0865139.9300W (18.2)			
982 TREE (01-026617) 341530.5500N/0865145.7500W (17.71)			1014 TREE (01-043695) 341519.8600N/0865148.2600W (17.48)			
1052 TREE (01-026408) 341505.0100N/0865143.3300W (16.6)			999 TREE (01-026313) 341524.0200N/0865145.2400W (16.46)			
990 TREE (01-067834) 341527.4700N/0865147.3700W (15.8)			1050 TREE (01-068883) 341506.9400N/0865149.5100W (15.77)			
985 TREE (01-026583) 341527.2700N/0865139.4900W (15.76)			1030 TREE (01-026369) 341513.0100N/0865145.7400W (15.72)			
1028 TREE (01-026522) 341514.9900N/0865150.9400W (15.72)			1018 POLE (01-068314) 341516.9100N/0865144.7300W (15.55)			
1026 TREE (01-026370) 341514.4400N/0865146.1400W (15.52)			1002 TREE (01-026315) 341522.7700N/0865146.0200W (15.35)			
1003 TREE (01-025123) 341522.7200N/0865147.4000W (15.24)			1024 POLE (01-020717) 341513.8900N/0865141.9100W (14.92)			
1047 TREE (01-067820) 341505.8500N/0865142.5200W (14.57)			1046 TREE (01-025037) 341506.0700N/0865142.2100W (14.41)			
996 TREE (01-068638) 341524.3100N/0865145.2200W (14.3)			1052 TREE (01-025040) 341504.9000N/0865146.2100W (14.27)			



<u>AIRPORT ID</u> CMD	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 2	<u>AMDT NO.</u> 2	<u>CITY</u> CULLMAN	<u>STATE</u> AL	<u>AIRPORT ELEVATION</u> 970	<u>FACILITY</u> RNAV
997 TREE (01-067715) 341524.9300N/0865149.2900W (14.21)			1055 TREE (01-025239) 341502.9900N/0865143.1900W (13.94)			
980 TREE (01-026651) 341528.2900N/0865139.1100W (13.93)			1023 TREE (01-069192) 341516.1100N/0865151.3700W (13.61)			
1017 TREE (01-068924) 341516.8100N/0865146.6600W (12.91)			997 TREE (01-068001) 341523.3000N/0865144.7300W (12.76)			
1042 TREE (01-026678) 341507.7500N/0865146.3300W (12.31)			996 TREE (01-068860) 341523.5900N/0865145.9300W (11.75)			
1015 POLE (01-020718) 341516.0700N/0865142.8200W (11.49)			980 TREE (01-043693) 341529.1100N/0865146.0000W (11.43)			
998 TREE (01-069529) 341522.8400N/0865146.5600W (11.17)			995 TREE (01-068870) 341522.6700N/0865142.0900W (10.82)			
994 TREE (01-068517) 341523.6500N/0865145.0900W (10.51)			1030 TREE (01-026523) 341513.1600N/0865153.8200W (10.48)			
1042 TREE (01-026648) 341506.7700N/0865145.1900W (10.32)			1015 TREE (01-026371) 341515.4400N/0865142.5100W (9.91)			
1034 TREE (01-025108) 341509.9300N/0865147.2100W (9.91)			1048 TREE (01-044021) 341503.9600N/0865142.9500W (9.88)			
1036 TREE (01-027972) 341510.3600N/0865152.0000W (9.77)			1014 BUILDING (01-068877) 341515.7900N/0865142.9900W (9.57)			
1050 TREE (01-025109) 341503.2600N/0865143.8900W (9.22)			1011 TREE (01-026529) 341518.1800N/0865149.2700W (8.98)			
1013 POLE (01-068101) 341516.1800N/0865144.3200W (8.75)			992 TREE (01-069452) 341523.9600N/0865146.1200W (8.67)			
995 TREE (01-068511) 341523.3900N/0865148.3300W (8.49)			993 TREE (01-068089) 341523.4900N/0865146.5500W (8.03)			
987 TREE (01-068269) 341525.7900N/0865147.4500W (7.95)			992 TREE (01-068278) 341523.5100N/0865145.4500W (7.86)			
1017 TREE (01-046342) 341516.3700N/0865152.2800W (7.71)			1041 TREE (01-026680) 341507.3400N/0865149.9700W (7.59)			
1025 TREE (01-026180) 341513.9100N/0865153.9600W (7.52)			986 TREE (01-025127) 341526.0600N/0865148.8600W (6.73)			
984 TREE (01-025141) 341526.3300N/0865147.1900W (6.67)			1014 TREE (01-026528) 341515.3500N/0865146.6500W (5.75)			
1046 TREE (01-026679) 341504.6000N/0865148.6500W (5.7)			1008 BUILDING (01-069036) 341516.5400N/0865143.1100W (5.63)			
1035 TREE (01-068156) 341509.2000N/0865151.8600W (5.56)			1039 TREE (01-068339) 341507.2600N/0865151.0400W (4.61)			
1032 TREE (01-043857) 341509.9800N/0865152.1400W (4.59)			1013 TREE (01-069561) 341514.7700N/0865144.9100W (4.32)			
1018 TREE (01-026525) 341514.7300N/0865152.1500W (4.13)			987 TREE (01-068377) 341524.2900N/0865146.8300W (4.11)			
1031 TREE (01-067886) 341510.3000N/0865152.8000W (4.04)			1009 POLE (01-068361) 341516.0400N/0865145.9300W (3.22)			
1008 TREE (01-068014) 341517.1000N/0865149.0100W (3.08)			976 TREE (01-026619) 341526.3300N/0865141.4500W (2.7)			
1026 TREE (01-068588) 341511.6500N/0865153.4600W (2.43)			987 TREE (01-025126) 341523.1200N/0865144.6000W (2.34)			
1039 TREE (01-026681) 341505.8200N/0865148.5700W (2.24)			1039 TREE (01-025110) 341504.1600N/0865142.6900W (1.63)			
978 TREE (01-026618) 341525.3100N/0865141.8100W (1.54)						
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 - OBSTACLES PENETRATE 20:1.

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

100' TREES USED PER FPT.

CONTINGENCY NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE HSV ALTIMETER SETTING AND INCREASE ALL MDAS 120 FEET AND LNAV VISIBILITY CAT C/D 3/8 SM, LP VISIBILITY CAT C/D 3/8 SM, AND CIRCLING VISIBILITY CAT C/D 1/2 SM.

AN APPROVAL LETTER HAS BEEN SUBMITTED TO ESTABLISH A GPA LOWER THAN THE GPA OF THE VGSI.

ORDER 8260.3 CHAPTER 2 APPLIED TO 1338 TOWER (01-002107) 341057.55N/0865247.17W.

ORDER 8260.3 CHAPTER 2 APPLIED TO 1284 ANTENNA (01-069487) 341313.14N/0865134.97W.

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	2.16
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	1.20
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	016.50
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	1000
DISTANCE FROM	THLD	TO 1500FT POINT	4.09
WIDTH OF		SEGMENT AT 1500FT POINT	1.76
TRUE COURSE OF		SEGMENT CONTAINING 1500FT POINT	016.50
HIGH TERRAIN IN		SEGMENT CONTAINING 1500FT POINT	1000

THRESHOLD COORDINATES (IF STR-IN)	341541.25N/0865138.24W
ARP COORDINATES	341607.33N/0865128.93W
RUNWAY APCH END AND DIST FURTHEST FROM ARP	RUNWAY 2 DISTANCE 0.45 NM
FAF COORDINATES	341116.56N/0865312.66W
FIX NAME COORDINATES	IF MELYE 340444.24N/0865532.29W

REMARKS

TAA: MELYE 340444.24N 0865532.29W 30 NM RADIUS

PART E: PREPARED BY

NAME	OFFICE	DATE	TITLE
JOHN BORDY (GIORGIA FERREIRA)	AJV-A421	09/25/2024	AERONAUTICAL INFORMATION SPECIALIST



AIRPORT ID
CMD

PROCEDURE NAME
RNAV (GPS) RWY 2

AMDT NO.
2

CITY
CULLMAN

STATE
AL

AIRPORT ELEVATION
970

FACILITY
RNAV

