

**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> LRO	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 35	<u>ORIGINAL/AMENDMENT</u> ORIG-G	<u>CITY</u> MOUNT PLEASANT	<u>STATE</u> SC
<u>AIRPORT ELEVATION</u> 12	<u>TDZE</u> 12	<u>SUPERSEDED</u> RNAV (GPS) RWY 35	<u>DATED</u> 05/20/2021	<u>EPOCH YEAR</u> 2010
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>
			<u>MAG VAR</u> 7W	

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>
CUBBY		UTACU		TF	FO	1.00	193.93	26.14	3100
GINNE		JOGLI		TF	FB	1.00	117.56	7.51	3000
JOGLI		UTACU		TF	FO	1.00	173.63	22.21	3000
UTACU	IF/IAF	EDNAH		TF	FB	1.00	354.02	6.09	1500
EDNAH	FAF	HEFKA/2.50 NM TO RW35		TF	FB	0.30	354.00	2.01	
HEFKA/2.50 NM TO RW35		RW35	MAP	TF	FO	0.30	354.00	2.50	
RW35	MAP	400 MSL		CA			354.00		
400 MSL		JOGLI		DF	FO	1.00			3000

MISSED APPROACH

MAP:

LNAV: RW35

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 3000 DIRECT JOGLI AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3000.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)
2. HOLD S UTACU, RT, 354.02 INBOUND, 3000 FT. IN LIEU OF PT (IAF), MAX 6000.					
3. FAC: 354.00	FAF: EDNAH		DIST FAF TO MAP: 4.51	DIST FAF TO THLD: 4.51	
4. MIN ALT: UTACU 3000, EDNAH 1500, HEFKA/2.50 NM TO RW35 840					
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 CLEAR	20:1: IS CLEAR	TCH:		
8. MSA FROM: RW35 3100					

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT CUBBY ON V1 NORTHEAST BOUND.

ADDITIONAL FLIGHT DATA:

HOLD N, LT, 173.98 INBOUND.
CHART FAS OBST: 135 TOWER (45-021466) 325252N/0794718W.
CHART VDP AT 0.85 NM TO RW35.
EDNAH TO RW35: 3.04/35.

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
LNAV MDA	400	1	388	400	1	388	400	1 1/8	388		NA				
CIRCLING	460	1	448	520	1	508	700	2	688		NA				

CHANGES - REASONS

1. TERMINAL ROUTES: CHANGED CA LEG ALTITUDE FROM 360 MSL TO 400 MSL - BASED ON LNAV MINIMUMS.
2. PROFILE LINE 2: ADDED "MAX 6000" - PER 8260.19J, PARA 8-6-7B(2).
3. PROFILE LINE 7: ADDED "20:1: IS CLEAR" - SURFACE CLEAR PER AIRPORT LETTER FROM P-NOTAM 6/9457.
4. CHANGED FROM "RNP APCH" TO "RNP APCH - GPS" IN PBN REQUIREMENTS NOTE - PER 8260.19J, PER 8-6-8D(2).
5. CHANGED CHART PROFILE NOTE FROM "VGSI AND DESCENT ANGLES NOT COINCIDENT" TO "VGSI AND DESCENT ANGLES NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET})" - PER 8260.19J, 8-6-10M(2).
6. MOVED BACK-UP ALTIMETER NOTE AND BARO-VNAV NOTE TO 8260-9 PART C: GENERAL REMARKS - WEATHER IS ON WMSCR.
7. ADDITIONAL FLIGHT DATA: CHANGED CHART FAS OBST FROM "101 TREE 325308N/0794719W" TO "135 TOWER (45-021466) 325252N/0794718W" - NEW CONTROLLING OBSTACLE.
8. ADDITIONAL FLIGHT DATA: REMOVED "CHART W-133/134" - WARNING AREAS NO LONGER EXIST.
9. ADDITIONAL FLIGHT DATA: CHANGED FROM "CHART VDP AT 0.76 MILES TO RW35" TO "CHART VDP AT 0.85 NM TO RW35" - BASED ON 8260.3E FORMULA 2-6-5.
10. CHANGED LNAV MINIMUMS ALL CATS MDA/HAT FROM 380/368 TO 400/388 AND CAT C VISIBILITY FROM 1 SM TO 1 1/8 SM - NEW CONTROLLING OBSTACLE, PER 8260.3E, CHAPTER 3 VISIBILITY, TABLE 3-3-3.
11. CHANGED CIRCLING CAT C DA/HAA FROM 640/628 TO 700/688 AND CAT C VISIBILITY FROM 1 1/2 SM TO 2 SM - NEW CONTROLLING OBSTACLE, PER 8260.3E, CHAPTER 3 VISIBILITY, TABLE 3-3-3.
12. CHANGES FROM P-NOTAMS FOR AMDT ORIG B, ORIG C, ORIG, ORIG E AND ORIG F INCORPORATED INTO FORM - REQUIRED IAW 8260.19J, 8-3-4C(3).

COORDINATED WITH:

A4A

☐

ALPA

☒

AOPA

☒

APA

☐

HAI

☐

NBAA

☒

OTHER:

CHS APP CON, ARPT MNGR

FLIGHT CHECKED BY

ERIC L GEYER

Digitally signed by

CASIMIR L TABAKA

Oct 21, 2024

OFFICE

AJF

DATE

10/16/2024

DEVELOPED BY

CASIMIR L. TABAKA (SILVIA YOUNG)

Digitally signed by

CASIMIR L TABAKA

Oct 21, 2024

OFFICE

AJV-A432

DATE

05/15/2024

APPROVED BY

CASIMIR L. TABAKA

Digitally signed by

CASIMIR L TABAKA

Oct 21, 2024

OFFICE

AJV-A432

DATE

TITLE

MANAGER

**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>
LRO	RNAV (GPS) RWY 35	ORIG-G	MOUNT PLEASANT	SC	12	RNAV

PART A: OBSTRUCTION DATA SEGMENTS

FEEDER

FROM CUBBY **TO** UTACU

RNP 1.00 **DISTANCE** 26.14 **PAT** **MAP** **HAT** **HMAS**

<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>
TWR (45-000706)	325529.00N/0794157.00W	2016	500	50	5D	1000					3100
TERRAIN	330000.00N/0795442.00W	56 (100)								AS1500	1600

COMPUTATIONS

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

SEGMENT REMARKS:

FEEDER

FROM GINNE **TO** JOGLI

RNP 1.00 **DISTANCE** 7.51 **PAT** **MAP** **HAT** **HMAS**

<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>
TWR (45-000209)	330631.00N/0794729.00W	500	250	50	4D	1000				AT1500	3000
TERRAIN	330921.00N/0795048.00W	60 (100)								AS1500	1600

COMPUTATIONS

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

SEGMENT REMARKS:

FEEDER

FROM

JOGLI

TO

UTACU

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>			<u>HAT</u>	<u>HMAS</u>				
1.00	22.21										
<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>
TWR (45-000706)	325529.00N/0794157.00W	2016	500	50	5D	1000				AT514 SA-620	3000
TERRAIN	355924.00N/0794809.00W	63 (100)								AS1500	1600

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INTERMEDIATE

FROM

UTACU (IF/IAF)

TO

EDNAH

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>			<u>HAT</u>	<u>HMAS</u>				
1.00	6.09										
<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	324833.00N/0794339.00W	220	164	98	4E	500				AC98	900
TERRAIN	324833.00N/0794339.00W	20 (0)								AS1500	1500

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LNAV

FROM

EDNAH

TO

HEFKA/2.50 NM TO RW35

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u>				
0.30	2.01										
<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	324924.00N/0794545.00W	204	215	8	4B	250				RA40 DG346	840

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LNAV STEPDOWN

FROM

HEFKA/2.50 NM TO RW35

TO

RW35

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u>				
0.30	2.50		RW35		388						
<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 (45-021466)	325252.27N/0794717.53W	135	20	3	1A	250					400

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

HOLD-IN-LIEU OF PT

FROM

UTACU

TO

P-5

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u> P-5	<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>
SHIP	324313.45N/0794403.70W	200	215	8	4B	1000				AT1800	3000
TERRAIN	324313.45N/0794403.70W	0 (0)								AS1500	1500

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

MISSED APPROACH: LNAV

FROM

RW35

TO

JOGLI

<u>RNP</u> 0.30-1.00	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u> 300			
<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				3000
TOWER (45-000365)	330232.00N/0794836.00W	537	100	20	3C	1000					1600
TERRAIN	325748.00N/0794839.00W	52 (100)								AS1500	1600

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

AIRPORT ID

LRO

PROCEDURE NAME

RNAV (GPS) RWY 35

AMDT NO.

ORIG-G

CITY

MOUNT PLEASANT

STATE

SC

AIRPORT ELEVATION

12

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											
TOWER (45-020145)	325244.16N/0794543.50W	1.30	448	159	20	3	1A	300			460
CATEGORY B											
TOWER (45-000634)	325256.00N/0794508.00W	1.81	508	163	500	50	5D	300		AC50	520
CATEGORY C											
TOWER (45-001353)	325402.25N/0794357.77W	2.84	688	389	20	3	1A	300			700

CIRCLING REMARKS:

MSA

CENTER

RW35

RADIUS

25

SECTOR	OBSTRUCTION	COORDINATES	BEARING	DISTANCE	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
360-360	TWR (45-000706)	325529.00N/0794157.00W	072	04.6	2016	500	50	5D	1000			3100

MSA REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:

PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH

CHS APP CON, CHS FSS

<u>WX SERVICE</u>	<u>LOCATION</u>	<u>HRS OPERATION</u>	<u>ALTIMETER SOURCE</u>	<u>DISTANCE</u>	<u>SERVICE-A</u>	<u>ADJUSTMENTS</u>
AWOS-3	LRO	24	LRO	0	Y	0
<u>BACK-UP WX SERVICE</u>	<u>LOCATION</u>	<u>HRS OPERATION</u>	<u>ALTIMETER SOURCE</u>	<u>DISTANCE</u>	<u>SERVICE-A</u>	<u>ADJUSTMENTS</u>
ASOS	CHS	24	CHS	12.99	Y	35

WX REMARKS:

RASS PRESSURE PATTERNS THE SAME
KLRO 12, KCHS 46
RA = 34.8.

<u>PRIMARY NAVAID</u>	<u>MONITOR POINT</u>	<u>HRS OPERATION</u>	<u>CAT</u>
<u>APPROACH AND RUNWAY LIGHTING SYSTEM</u>		<u>RUNWAY MARKINGS</u>	<u>RUNWAY VISUAL RANGE</u>
RW17 - MIRL (PCL), PAPI-4L		NPI-G	
RW35 - MIRL (PCL), PAPI-4L		NPI-G	

<u>GLIDESLOPE ANGLE</u>	<u>ELEV RWY THRESHOLD</u>	<u>TCH</u>	<u>ELEV GS ANTENNA</u>	<u>DISTANCE FROM RWY</u>	<u>VGSI ANGLE</u>	<u>TCH</u>
					4.00	27.3

FINAL APPROACH COURSE AIMING

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

CRITICAL TEMPERATURES

<u>CRITICAL LOW</u>	<u>CRITICAL HIGH</u>	<u>ACT</u>	<u>APT ISA</u>
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CRITICAL TEMPERATURE REMARKS:

"VISUAL PORTION OF FINAL" PENETRATIONS

HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS

and/or

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

<u>PENETRATIONS REMARKS:</u>	QUALITY
	39
	CHECKED

PART C: GENERAL REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

100FT VEGETATION HEIGHT USED.

34:1 AND 20:1 SURFACE CLEAR PER AIRPORT LETTER.

FOR CONTINGENCY PURPOSES:
NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE CHS ALTIMETER SETTING: INCREASE ALL MDAS 40 FEET AND LNAV VISIBILITY CAT C 1/8 SM.
NOTE: VDP NA WHEN USING CHS ALTIMETER SETTING.
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	2.84
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	1.20
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	347.00
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	0
DISTANCE FROM	THLD	TO 1500FT POINT	4.51
WIDTH OF	FINAL	SEGMENT AT 1500FT POINT	2.13
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1500FT POINT	347.00
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1500FT POINT	0

THRESHOLD COORDINATES (IF STR-IN)	325334.38N/0794653.41W
ARP COORDINATES	325352.20N/0794658.30W
RUNWAY APCH END AND DIST FURTHEST FROM ARP	RUNWAY 17 DISTANCE 0.30 NM
FAF COORDINATES	324910.29N/0794541.15W
FIX NAME COORDINATES	

REMARKS

PART E: PREPARED BY

NAME	OFFICE	DATE	TITLE
CASIMIR L. TABAKA (SILVIA YOUNG)	AJV-A432	05/15/2024	AERONAUTICAL INFORMATION SPECIALIST