

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>	<u>PROCEDURE NAME</u>	<u>ORIGINAL/AMENDMENT</u>	<u>CITY</u>	<u>STATE</u>		
CGE	RNAV (GPS) RWY 34	2	CAMBRIDGE	MD		
<u>AIRPORT ELEVATION</u>	<u>TDZE</u>	<u>SUPERSEDED</u>	<u>ORIGINAL/AMENDMENT</u>	<u>DATED</u>	<u>MAG VAR</u>	<u>EPOCH YEAR</u>
20	20	RNAV (GPS) RWY 34	1	03/29/2018	10W	1985
<u>FACILITY</u>	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u>	<u>CANCEL/SUSPEND</u>		
RNAV		20 FEBRUARY 2025	ROUTINE			

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>
GOFER		PROFS		TF	FO	1.00	106.42	18.69	2000
TRPOD	IAF	PROFS	NOPT	TF	FB	1.00	289.21	16.81	2000
PROFS	IF/IAF	WUGUM		TF	FB	1.00	333.91	6.10	1700
WUGUM	FAF	TACPI/2.28 NM TO RW34		TF	FB	0.30	333.86	2.83	
TACPI/2.28 NM TO RW34		RW34	MAP	TF	FO	0.30	333.86	2.28	
RW34	MAP	286 MSL		CA			333.86		
286 MSL		OVAYO		DF	FO	1.00			2000

MISSED APPROACH

MAP:

LPV: DA
 LNAV/VNAV: DA
 LNAV: RW34

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 2000 DIRECT OVAYO AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- HOLD SE PROFS, RT, 333.91 INBOUND, 2000 FT. IN LIEU OF PT (IAF), MAX 6000.
- FAC:** 333.86 **FAF:** WUGUM **DIST FAF TO MAP:** 5.11 **DIST FAF TO THLD:** 5.11
- MIN ALT:** PROFS 2000, WUGUM 1700, TACPI/2.28 NM TO RW34 800
- DIST TO THLD FROM OM:** **MM:** **IM:** **150 HAT:** **266 HAT:** 0.67 **GS ANT:**
- MIN GP INCPT:** 1700 **GP ALT AT PFAF:** WUGUM 1700 **OM:** **MM:** **IM:**
- GP ANGLE:** 3.00 **34:1:** IS NOT CLEAR **20:1:** IS CLEAR **TCH:** 57.0
- MSA FROM:** RW34 2100



PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: RWY 34 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15°C OR ABOVE 54°C.
CHART NOTE: CIRCLING RWY 16 NA AT NIGHT.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT TRPOD ON T303 NORTHEAST BOUND AND T335 SOUTH BOUND.

ADDITIONAL FLIGHT DATA:

HOLD NW, RT, 153.72 INBOUND.
FAS OBST: 127 TREE 383230N/0760109W.
CHART VDP AT 0.95 NM TO RW34.
WAAS CHANNEL # 45540
REFERENCE PATH ID: W34A
CHART CIRCLING ICON.
LTP HAE: -30.4 M

MINIMUMS:**TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT****ALTERNATE:** NA ☐ STANDARD - CAT D 800-2 1/2, 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
LPV DA	286	7/8	266	286	7/8	266	286	7/8	266	286	7/8	266			
LNAV/VNAV DA	380	1	360	380	1	360	380	1	360	380	1	360			
LNAV MDA	380	1	360	380	1	360	380	1	360	380	1	360			
CIRCLING	440	1	420	480	1	460	660	1 3/4	640	780	2 1/2	760			



CHANGES - REASONS

1. TERMINAL ROUTES: GOFER TO PROFS SEGMENT RNP CHANGED FROM 2.00 TO 1.00 – 8260.58C TABLE 1-2-1.
2. TERMINAL ROUTES: REPLACED SBY VORTAC TO PROFS INITIAL SEGMENT WITH TRPOD TO PROFS; COURSE/DISTANCE CHANGED FROM 287.51/17.84 TO 289.21/16.81 – SBY VORMON.
3. TERMIAL ROUTES: CHANGED FINAL SEGMENT FROM WUGUM TO RW34/DISTANCE 5.11 TO WUGUM TO TACPI/DISTANCE 2.83 – SDF ADDED.
4. TERMINAL ROUTES: ADDED SEGMENT TACPI/2.28 NM TO RW34 TO RW34 AND ALL ASSOCIATED DATA – SDF ADDED
5. ADDED MAX HOLD-IN-LIEU ALTITUDE OF 6000 TO PROFILE LINE 2 - 8260.19I, 8-6-7, B(2).
6. MOVED “DISTANCE TO THLD FROM 266 HAT: 0.67 NM” FROM ADDITIONAL FLIGHT DATA TO PROFILE LINE 5 – 8260.19J 8-6-7E(3).
7. PROFILE LINE 4: ADDED “TACPI/2.28 NM TO RW34 800” – SDF ADDED.
8. PROFILE LINE 5: ADDED “20:1 IS CLEAR” – NO 20:1 PENS; 8260.19J 8-6-7E(3)(A)
9. ADDITIONAL FLIGHT DATA: CHANGED FAS OBST FROM 219 AAO 382928N/0755857W TO 127 TREE 383230N/0760109W – SDF ADDED.
10. ADDITIONAL FLIGHT DATA: DELETED *LNAV ONLY AND REMOVED ASTERISK FROM CHART VDP NOTE – NO LONGER REQUIRED.
11. ADDITIONAL FLIGHT DATA: CHANGED CHART VDP FROM 1.24 NM TO 0.95 NM – ADDED SDF/LOWER MINS.
12. DELETED CHART NOTE: DME/DME RNP-0.3 NA AND ADDED “RNP APCH - GPS” TO PBN EQUIPMENT NOTES – 8260.19J 8-6-8D.
13. CHANGED ALTERNATE MINS FROM “STANDARD - CAT D 800-2 ½” TO “STANDARD – CAT D 800-2 1/2- NA WHEN LOCAL WEATHER NOT AVAILABLE” – 8260.19J ATTCH 4(5).
14. LNAV/VNAV DA/HAT CHANGED FROM 309/289 TO 380/360 AND VIS FROM 7/8 TO 1 ALL CATS – NEW CNTL OBST.
15. LNAV MDA/HAT CHANGED FROM 480/460 TO 380/360 ALL CATS; VIS CATS C/D CHANGED FROM 1 3/8 TO 1 – ADDED SDF.
16. CAT A CMDA CHANGED FROM 480/460 TO 440/420 – STRAIGHT IN (SI) ADJUSTMENT NO LONGER REQUIRED WITH LOWER LNAV MINS.
17. CHANGED CHART NOTE “CIRCLING NA AT NIGHT” TO “CIRCLING RWY 16 NA AT NIGHT” – NO COMMISSIONING DATE RECORDED FOR RWY LIGHTING. RWY 34 GRANDFATHER DUE TO PREVIOUS FLIGHT CHECKED IFR PROCEDURE.
18. CHANGED CHART NOTE FROM “FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 54C (130F)” TO “FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C OR ABOVE 54C – UPDATED NOTE FORMAT PER 8260.19J 8-6-10R.
19. CHANGED CHART PLANVIEW NOTE FROM “PROCEDURE NA FOR ARRIVAL ON SBY VORTAC AIRWAY RADIALS 218 CW 012” TO “PROCEDURE NA FOR ARRIVAL AT TRPOD ON T303 NORTHEAST BOUND AND T335 SOUTH BOUND – SEGMENT REPLACED, NEW IAF.
20. FAS DATA FPAP LATITUDE/LONGITUDE CHANGED FROM 383315.6815N/0760239.8425W TO 383315.6830N/0760239.8395W – FAF LOCATION MOVED FOR ALIGNMENT.
21. CRC REMAINDER CHANGED FROM D01B5F62 TO 356C9F6A – FPAP CHANGED.

COORDINATED WITH:

A4A

ALPA

AOPA

APA

HAI

NBAA

OTHER: APT MGR, PXT APP CON, NHK APP CON, SBY FSS, ZDC

FLIGHT CHECKED BY

JORDAN ROLIH

Digitally signed by

ALLAN WILL

Dec 16, 2024

OFFICE

AJF

DATE

12/13/2024

DEVELOPED BY

ALLAN WILL (STEVEN SCHUTRUM)

Digitally signed by

ALLAN WILL

Dec 16, 2024

OFFICE

AJV-A423

DATE

08/15/2024

APPROVED BY

ALLAN WILL

Digitally signed by

ALLAN WILL

Dec 16, 2024

OFFICE

AJV-A423

DATE

TITLE
MANAGER



AIRPORT ID
CGE

PROCEDURE NAME
RNAV (GPS) RWY 34

ORIGINAL/AMENDMENT
2

CITY
CAMBRIDGE

STATE
MD

FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KCGE
RUNWAY	RW34
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W34A
LTP/FTP LATITUDE	383203.6950N
LTP/FTP LONGITUDE	0760132.7915W
LTP/FTP ELLIPSOIDAL HEIGHT	-00304
FPAP LATITUDE	383315.6830N
FPAP LONGITUDE	0760239.8395W
THRESHOLD CROSSING HEIGHT (TCH)	00057.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1384
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER	356C9F6A
---------------	----------

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+00048
FPAP ORTHOMETRIC HEIGHT	+00048

