

**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</u> DELAWARE COASTAL	<u>AIRPORT ID</u> KGED	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 22	<u>ORIGINAL/AMENDMENT</u> 2D	<u>CITY</u> GEORGETOWN	<u>STATE</u> DE
<u>AIRPORT ELEVATION</u> 53	<u>TDZE</u> 51	<u>SUPERSEDED</u> RNAV (GPS) RWY 22	<u>ORIGINAL/AMENDMENT</u> 2C	<u>DATED</u> 10/13/2016	<u>MAG VAR</u> 12W
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 30 JANUARY 2020	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>	<u>EPOCH YEAR</u> 2000

TAA

FROM	FIX TYPE	TO	FIX TYPE	ALTITUDE
1. 135/30 CW 315/30	NOPT	HUVOX	IF/IAF	2000
2. 315/30 CW 135/30		HUVOX	IF/IAF	2100

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
HUVOX	IF/IAF	UNBLE		TF	FB	1.00	225.00	7.00	1500
UNBLE	FAF	RW22	MAP	TF	FO	0.30	224.95	4.39	
RW22	MAP	321 MSL		CA					
321 MSL		ZARVI		DF	FO	1.00			2000

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW22

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 2000 DIRECT ZARVI AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

- 1. PT **SIDE OF COURSE** **OUTBOUND** **FT WITHIN** **MILES OF (IAF)**
- 2. HOLD NE HUVOX, RT, 225.00 INBOUND, 2000 FT. IN LIEU OF PT (IAF), MAX 6000.
- 3. **FAC:** 224.95 **FAF:** UNBLE **DIST FAF TO MAP:** 4.39 **DIST FAF TO THLD:** 4.39
- 4. **MIN ALT:** HUVOX 2000, UNBLE 1500
- 5. **DIST TO THLD FROM OM:** **MM:** **IM:** **150 HAT:** **270 HAT:** 0.69 **GS ANT:**
- 6. **MIN GP INCPT:** 1500 **GP ALT AT FAF :** UNBLE 1500 **OM:** **MM:** **IM:**
- 7. **GP ANGLE:** 3.00 **34:1:** IS NOT CLEAR **20:1:** IS CLEAR **TCH:** 52.0
- 8. **MSA FROM:**

PBN REQUIREMENTS NOTE:

RNP APCH.

NOTES:

CHART NOTE: RWY 22 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 NOT AUTHORIZED.
 CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -11°C OR ABOVE 54°C.
 CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).

ADDITIONAL FLIGHT DATA:

CHART CIRCLING ICON.
 CHART VDP AT 1.27 NM TO RW22*
 *LNAV ONLY
 WAAS CHANNEL #60921
 REFERENCE PATH ID: W22A
 FAS OBST: 244 AAO 384438N/0751917W.
 HOLD SW, RT, 044.82 INBOUND
 LTP HAE: -20.6 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												
LPV DA	321	7/8	270	321	7/8	270	321	7/8	270	321	7/8	270				
LNAV/VNAV DA	446	1 1/8	395	446	1 1/8	395	446	1 1/8	395	446	1 1/8	395				
LNAV MDA	500	1	449	500	1	449	500	1 3/8	449	500	1 3/8	449				
CIRCLING	560	1	507	580	1	527	720	1 3/4	667	720	2	667				



CHANGES - REASONS

1. REMOVED CHART NOTE DME/DME RNP-0.3 NA AND ADDED EQUIPMENT REQUIREMENTS NOTE RNP APCH - IAW 8260.19H PARAGRAPH 1-1-5 F (14).
2. REMOVED CHART NOTE: "WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE SALISBURY ALTIMETER SETTING AND INCREASE ALL DA 52 FEET AND ALL MDA 60 FEET; INCREASE LPV ALL CATS, LNAV/VNAV ALL CATS, AND CIRCLING CATS C/D VISIBILITY 1/4 MILE" - IAW 8260-19H 8-6-9F(3).
3. UPDATED LPV LINES OF MINIMA ALL CATS FROM DA 301/HAT 250 TO DA 321/HAT 270 - NEW SURVEY MISSED APPROACH ADJUSTMENT INCORPORATES T NOTAM 8/4229.
4. UPDATED LNAV/VNAV DA ALL CATS FROM 444 TO 446 LNAV HAT ALL CATS FROM 451 TO 449 - INCORPORATES PNOTAM 6/8745.
5. DELETED THRE 49 CHART TDZE 51 - INCORPORATES P NOTAM 6/8745.
6. DELETED NOTE: NIGHT LANDING: RWY 10,28 NA - NEW SURVEY NO LONGER HAS 20:1 OBSTACLES.
7. UPDATED AIRPORT NAME FROM SUSSEX COUNTY TO DELAWARE COASTAL - INCORPORATES P NOTAM 5/7607.
8. UPDATED CA LEG ALTITUDE FROM 299 TO 321 - NEW SURVEY AND EVALUATION.
9. LINE 7 CHANGED 34:1 IS CLEAR TO 34:1 IS NOT CLEAR ADDED 20:1 IS CLEAR - NEW SURVEY.
10. LINE 2 ADDED MAX 6000 TO HOLD IN LIEU - IAW 8260.19H 8-6-7B (2)
11. REMOVED CHART NOTE: "BARO-VNAV AND VDP NA WHEN USING SALISBURY ALTIMETER SETTING" - IAW 8260-19H 8-6-9F(3).
12. CHANGED FAS DATA LTP FROM "384142.6900N/0752120.4100W" TO "384142.6885N/0752120.4080W" - NEW SURVEY CONDUCTED AND UPDATED ROUNDING REQUIREMENTS.
13. CHANGED FAS DATA ELLIPSOIDAL HEIGHT FROM "-00208" TO "-00206" - RECOMPUTED WITH NEW SURVEY.
14. CRC REMAINDER CHANGED FROM "558E8ED6" TO "0160EBB3" - RECOMPUTED WITH NEW SURVEY.
15. LINE 5 ADDED DISTANCE TO TOUCHDOWN 270 HAT 0.69 NM - UPDATED LPV MINIMA.
16. CHANGED ADDITIONAL FLIGHT DATA FROM "CHART VDP AT 1.25 NM TO RWY22" TO "CHART VDP AT 1.27 NM TO RW 22" - UPDATED LNAV MINS CHANGED FROM THRE TO TDZE.
17. REMOVED ADDITIONAL FLIGHT DATA NOTE "CHART R-4006" - DOES NOT APPEAR ON CHARTING.
18. UPDATED FPAP LAT LONG FROM "384027.8200N/0752222.2400W" TO "3840278175N/0752222.2410W" - NEW SURVEY CONDUCTED AND UPDATED ROUNDING REQUIREMENTS.
19. UPDATED LPV VIS FROM 3/4 SM TO 7/8 SM AND LNAV/VNAV FROM 1 1/4 SM TO 1 1/8 SM - NEW VIS CHECK.

COORDINATED WITH:

A4A **ALPA** **AOPA** **APA** **HAI** **NBAA** **OTHER:** ZDC, DOVER APP CON, AMGR

FLIGHT CHECKED BY *Digitally signed by*
BOB S PRESSLER **DAVID DANNER**
 Dec 06, 2019 *Digitally signed by*

OFFICE **DATE**
 FICO 12/3/19

DEVELOPED BY **HEIDI SNIDER**
 CASIMIR L. TABAKA (JOSHUA DUGAN) Oct 02, 2019

OFFICE **DATE**
 AJV-A422 08/13/2019

APPROVED BY *Digitally signed by*
 MARLON ROBINSON **HEIDI SNIDER**
 Oct 02, 2019

OFFICE **DATE** **TITLE**
 AJV-A420 MANAGER



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KGED
RUNWAY	RW22
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W22A
LTP/FTP LATITUDE	384142.6885N
LTP/FTP LONGITUDE	0752120.4080W
LTP/FTP ELLIPSOIDAL HEIGHT	-00206
FPAP LATITUDE	384027.8175N
FPAP LONGITUDE	0752222.2410W
THRESHOLD CROSSING HEIGHT (TCH)	00052.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1128
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	0160EBB3

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+00150
FPAP ORTHOMETRIC HEIGHT	+00150

