

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> WHARTON RGNL	<u>AIRPORT ID</u> KARM	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 14	<u>ORIGINAL/AMENDMENT</u> ORIG-A	<u>CITY</u> WHARTON	<u>STATE</u> TX
<u>AIRPORT ELEVATION</u> 100	<u>TDZE</u> 100	<u>SUPERSEDED</u> RNAV (GPS) RWY 14	<u>ORIGINAL/AMENDMENT</u> ORIG	<u>DATED</u> 08/27/2009	<u>MAG VAR</u> 3E
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 19 JULY 2018	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL SUSPEND</u>	<u>EPOCH YEAR</u> 2020

TAA

<u>FROM</u>	<u>FIX TYPE</u>	<u>TO</u>	<u>FIX TYPE</u>	<u>ALTITUDE</u>
1. 058/30 CW 238/30	NOPT	BEPUH	IF/IAF	2000
2. 238/30 CW 328/30		CAYVI	IAF	2000
3. 328/30 CW 058/30		AHESU	IAF	2100

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>
AHESU	IAF	BEPUH	NOPT	TF	FB	1.00	057.71	5.00	2000
CAYVI	IAF	BEPUH	NOPT	TF	FB	1.00	237.79	5.00	2000
BEPUH	IF/IAF	DEZIV	PFAF	TF	FB	1.00	147.75	6.10	1700
DEZIV	FAF	EBOPY/1.80 NM TO RW14		TF	FB	0.30	147.78	3.03	
EBOPY/1.80 NM TO RW14		RW14	MAP	TF	FO	0.30	147.78	1.80	
RW14	MAP	396 MSL		CA			147.78		
396 MSL		GOGOZ		DF	FO	1.00			2000

MISSED APPROACH

MAP:

LPV: DA
 LNAV/VNAV: DA
 LNAV: RW14

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 2000 DIRECT GOGOZ AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF (IAF)
2. HOLD NW BEPUH, RT, 147.75 INBOUND, 2000 FT. IN LIEU OF PT (IAF), MAX 6000.
3. FAC: 147.78 PFAF: DEZIVDIST PFAF TO MAP: 4.83DIST PFAF TO THLD: 4.83
4. MIN ALT: BEPUH 2000, DEZIV 1700, EBOPY/1.80 NM TO RW14 700*
5. DIST TO THLD FROM OM:MM:IM:150 HAT:296 HAT: 0.80
6. MIN GP INCPT: 1700GP ALT AT PFAF : DEZIV 1700OM:MM:IM:
7. GP ANGLE: 3.0034:1: IS CLEAR20:1: IS CLEARTCH: 41.5
8. MSA FROM:

PBN EQUIPMENT REQUIREMENTS NOTES

RNP APCH.

NOTES:

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C OR ABOVE 54C.

ADDITIONAL FLIGHT DATA:

CHART VDP AT 0.87 NM TO RW14*
*LNAV ONLY
WAAS CHANNEL #77714
REFERENCE PATH ID: W14A
CHART FAS OBST: 158 TREE 291559N/0960942W.
HOLD SE, RT, 327.86 INBOUND
LTP HAE: 3.3 M

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD

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	396	1	296	396	1	296	396	1	296		NA				
LNAV/VNAV DA	428	1 1/4	328	428	1 1/4	328	428	1 1/4	328		NA				
LNAV MDA	420	1	320	420	1	320	420	1	320		NA				
CIRCLING	500	1	400	560	1	460	560	1 1/2	460		NA				



CHANGES - REASONS

1. CHANGED MAG VAR AND EPOCH YEAR FROM 6E 1985 TO 3E 2020 - AIRPORT MAG VAR CHANGE FROM 6E (1985) TO 3E (2020).
2. DELETED "(FB)" FROM TAA 1, 2, AND 3 - NOT REQUIRED IAW FAAO 8260.19H 8-6-3.
3. CHANGED TAA 1. BEARINGS FROM "055/30 CW 235/30" TO "058/30 CW 238/30" - AIRPORT MAG VAR CHANGE FROM 6E TO 3E/NO CHANGE TO GROUND TRACK.
4. CHANGED TAA 2. BEARINGS FROM "235/30 CW 325/30" TO "238/30 CW 328/30" - AIRPORT MAG VAR CHANGE FROM 6E TO 3E/NO CHANGE TO GROUND TRACK.
5. CHANGED TAA 3. BEARINGS FROM "325/30 CW 055/30" TO "328/30 CW 058/30" - AIRPORT MAG VAR CHANGE FROM 6E TO 3E/NO CHANGE TO GROUND TRACK.
6. CHANGED HEADINGS FOR TERMINAL ROUTES FROM: AHESU - BEPUH 054.71, CAYVI - BEPUH 234.79, BEPUH - DEZIV 144.75; TO: AHESU - BEPUH 057.71, CAYVI - BEPUH 237.79, BEPUH - DEZIV 147.75 - AIRPORT MAG VAR CHANGE FROM 6E TO 3E/NO CHANGE TO GROUND TRACK.
7. ADDED LEG TYPE "TF" AND RNP "1.00" TO TERMINAL ROUTES AHESU - BEPUH, CAYVI - BEPUH, BEPUH - DEZIV - IAW FAAO 8260.19H, PARA 8-6-4.A.
8. ADDED TERMINAL ROUTE FROM DEZIV, FIX TYPE FAF, TO EBOPY/1.80 NM TO RW14, LEG TYPE TF, FB, RNP 0.30, COURSE 147.78, DISTANCE 3.03; ADDED TERMINAL ROUTE FROM EBOPY/1.80 NM TO RW14, TO RW14, FIX TYPE MAP, LEG TYPE TF, FO, RNP 0.30, COURSE 147.78, DISTANCE 1.80; AND ADDED TERMINAL ROUTE FROM RW14, FIX TYPE MAP, TO 396 MSL, LEG TYPE CA, COURSE 147.78; ADDED TERMINAL ROUTE FROM 396 MSL TO GOGOZ, LEG TYPE DF, FO, RNP 1.00, ALTITUDE 2000 - TERMINAL ROUTES REQUIRED TO BE DOCUMENTED IAW FAAO 8260.19H.
9. CHANGED PROFILE LINE 2. INBOUND COURSE FROM 144.75 TO 147.75 AND ADDED "MAX 6000"- AIRPORT MAG VAR CHANGE FROM 6E TO 3E/NO CHANGE TO GROUND TRACK AND MAXIMUM HOLDING ALTITUDE REQUIRED IAW FAAO 8260.19H PARA 8-6-7.B.2.
10. CHANGED PROFILE LINE 3. FAC FROM 144.78 TO 147.78 - AIRPORT MAG VAR CHANGE FROM 6E TO 3E/NO CHANGE TO GROUND TRACK.
11. ADDED "296 HAT: 0.8" TO PROFILE LINE 5. - IAW FAAO 8260.19H PARA 8-6-7.E.(3).
12. CHANGED PROFILE LINE 6. FROM "GS ALT AT: DEZIV" TO "GP ALT AT PFAF: DEZIV 1700" - IAW FAAO 8260.19H PARA 8-6-7.F.
13. CHANGED PROFILE LINE 7. FROM "34:1 IS NOT CLEAR" TO "34:1: IS CLEAR 20:1: IS CLEAR" - IAW FAAO 8260.19 G.3./NO LONGER HAS 34:1 AND 20:1 VISUAL SURFACE PENETRATIONS.
14. ADDED PBN EQUIPMENT REQUIREMENTS NOTES "RNP APCH" AND DELETED NOTE "DME/DME RNP-0.3 NA"- IAW FAAO 8260.19H 8-6-8.
15. CHANGED 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" - IAW 8260.19H 8-6-9. S. FAHRENHEIT IS NO LONGER DOCUMENTED ON THIS NOTE.
16. DELETED NOTES "BARO-VNAV NA WHEN USING VICTORIA ALTIMETER SETTING", AND "WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE VICTORIA ALTIMETER SETTING AND INCREASE ALL DA 110 FEET AND ALL MDA 120 FEET, INCREASE LPV VISIBILITY 1/2 MILE ALL CATS, LNAV/VNAV VISIBILITY 1/4 MILE ALL CATS, LNAV CAT C VISIBILITY 1/4 MILE" - SECONDARY ALTIMETER SETTING NOTES NOW LISTED FOR CONTINGENCY PURPOSES IN REMARKS ON 8260-9.
17. DELETED "VISIBILITY REDUCTION BY HELICOPTERS NA" NOTE - NO LONGER NEEDED WITHOUT VISUAL SURFACE PENETRATIONS.
18. ADDED "CHART VDP AT 0.87 NM TO RW14*" AND "LNAV ONLY" TO ADDITIONAL FLIGHT DATA - VDP NOW CHARTABLE DUE TO NO 20:1 PENETRATIONS.
19. ADDITIONAL FLIGHT DATA: CHANGED FROM "HOLD SE, RT, 324.86 INBOUND" TO "HOLD SE, RT, 327.86 INBOUND" - AIRPORT MAG VAR CHANGE FROM 6E TO 3E/NO CHANGE TO GROUND TRACK.
20. CHANGED ALTERNATE MINIMUMS FROM "STANDARD @" TO "STANDARD" AND DELETED "@ NA WHEN LOCAL WEATHER NOT AVAILABLE" - SECONDARY ALTIMETER SETTING NOTES NOW LISTED FOR CONTINGENCY PURPOSES IN REMARKS ON 8260-9.

PDF EDIT:

1. CHANGED PART D. AIRSPACE FROM "RUNWAY APCH END AND DIST FURTHEST FROM MAP" TO "RUNWAY APCH END AND DIST FURTHEST FROM ARP".



COORDINATED WITH:

A4A ☐ ALPA ☒ AOPA ☒ APA ☐ HAI ☐ NBAA ☒ OTHER: ZAU, AMGR

FLIGHT CHECKED BY

FLIGHT INSPECTION REVIEW NOT REQUIRED - PROCESSED IAW AIRCRAFT OPERATIONS GROUP (AJW-333) MEMO, DEC 22, 2017.

DEVELOPED BY

JOHN THORNTON

Digitally signed by
JOHN R THORNTON
Mar 05, 2018

APPROVED BY

JULIE MORGAN

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ROBERT G HAMILTON
Apr 06, 2018

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ROBERT G HAMILTON
Apr 06, 2018

OFFICE DATE
AJV-5423 02/06/2018

OFFICE DATE TITLE
AJV-5420 MANAGER



FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KARM
RUNWAY	RW14
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W14A
LTP/FTP LATITUDE	291536.9800N
LTP/FTP LONGITUDE	0960929.6200W
LTP/FTP ELLIPSOIDAL HEIGHT	+00033
FPAP LATITUDE	291419.0000N
FPAP LONGITUDE	0960839.9300W
THRESHOLD CROSSING HEIGHT (TCH)	00041.5
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1224
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	03EA7598
ADDITIONAL PATH POINT RECORD INFORMATION	
ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+00305
FPAP ORTHOMETRIC HEIGHT	+00305

