

**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><b>AIRPORT</b></u> WHARTON RGNL	<u><b>AIRPORT ID</b></u> KARM	<u><b>PROCEDURE NAME</b></u> RNAV (GPS) RWY 32	<u><b>ORIGINAL/AMENDMENT</b></u> ORIG-A	<u><b>CITY</b></u> WHARTON	<u><b>STATE</b></u> TX
<u><b>AIRPORT ELEVATION</b></u> 100	<u><b>TDZE</b></u> 99	<u><b>SUPERSEDED</b></u> RNAV (GPS) RWY 32	<u><b>ORIGINAL/AMENDMENT</b></u> ORIG	<u><b>DATED</b></u> 08/27/2009	<u><b>MAG VAR</b></u> 3E
<u><b>FACILITY</b></u> RNAV	<u><b>COORDINATES OF FACILITIES</b></u>	<u><b>ACTUAL EFFECTIVE DATE</b></u> 19 JULY 2018	<u><b>REQUIRED EFFECTIVE DATE</b></u> ROUTINE	<u><b>CANCEL SUSPEND</b></u>	<u><b>EPOCH YEAR</b></u> 2020

**TAA**

<u><b>FROM</b></u>	<u><b>FIX TYPE</b></u>	<u><b>TO</b></u>	<u><b>FIX TYPE</b></u>	<u><b>ALTITUDE</b></u>
1. 238/30 CW 327/30	NOPT	238/17 CW 327/17		2100
2. 357/30 CW 058/30	NOPT	357/15 CW 058/15		2600
3. 238/17 CW 327/17		GOGOZ	IF/IAF	2000
3. 327/22 CW 357/22	NOPT	GOGOZ	IF/IAF	2000
3. 357/15 CW 058/15		GOGOZ	IF/IAF	2000
4. 058/30 CW 148/30		FARAG	IAF	2100
5. 148/30 CW 238/30		HUBEX	IAF	2000

**TERMINAL ROUTES**

<u><b>FROM</b></u>	<u><b>FIX TYPE</b></u>	<u><b>TO</b></u>	<u><b>FIX TYPE</b></u>	<u><b>LEG TYPE</b></u>	<u><b>FO/FB</b></u>	<u><b>RNP</b></u>	<u><b>COURSE</b></u>	<u><b>DISTANCE</b></u>	<u><b>ALTITUDE</b></u>
FARAG	IAF	GOGOZ	NOPT	TF	FB	1.00	057.82	5.00	2000
HUBEX	IAF	GOGOZ	NOPT	TF	FB	1.00	237.90	5.00	2000
GOGOZ	IF/IAF	IDFIN	PFAF	TF	FB	1.00	327.86	6.10	1700
IDFIN	FAF	JIBGA/1.80 NM TO RW32		TF	FB	0.30	327.83	3.04	
JIBGA/1.80 NM TO RW32		RW32	MAP	TF	FO	0.30	327.83	1.80	
RW32	MAP	349 MSL		CA			327.83		
349 MSL		BEPUH		DF	FO	1.00			2000



MISSED APPROACH

MAP:  
LPV: DA  
LNAV/VNAV: DA  
LNAV: RW32

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 2000 DIRECT BEPUH AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF (IAF)				
2.	HOLD SE GOGOZ, RT, 327.86 INBOUND, 2000 FT. IN LIEU OF PT (IAF), MAX 6000.							
3. FAC:	327.83	PFAF: IDFIN	DIST PFAF TO MAP: 4.84	DIST PFAF TO THLD: 4.84				
4. MIN ALT:	GOGOZ 2000, IDFIN 1700, JIBGA/1.80 NM TO RW32 700*							
5. DIST TO THLD FROM OM:		MM:	IM:	150 HAT:	250 HAT: 0.66			
6. MIN GP INCPT:	1700	GP ALT AT PFAF : IDFIN 1700		OM:		MM:		IM:
7. GP ANGLE:	3.00	34:1: IS CLEAR	20:1: IS CLEAR	TCH: 41.7				
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 1.01 NM TO RW32\*  
\*LNAV ONLY  
WAAS CHANNEL #58114  
REFERENCE PATH ID: W32A  
CHART FAS OBST: 199 SILO 291513N/0960851W.  
HOLD NW, RT, 147.75 INBOUND  
LTP HAE: 2.3 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	349	1	250	349	1	250	349	1	250		NA				
LNAV/VNAV DA	399	1	300	399	1	300	399	1	300		NA				
LNAV MDA	460	1	361	460	1	361	460	1	361		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 3, 4, AND 5 SECTORS - NOT REQUIRED IAW FAAO 8260.19H 8-6-3.
3. CHANGED TAA 1. BEARINGS FROM "235/30 CW 324/30" TO "238/30 CW 327/30" AND FROM "235/17 CW 324/17" TO "238/17 CW 327/17" - AIRPORT MAG VAR CHANGE FROM 6E TO 3E/NO CHANGE TO GROUND TRACK.
4. CHANGED TAA 2. BEARINGS FROM "354/30 CW 055/30" TO "357/30 CW 058/30" AND FROM "354/15 CW 055/15" TO "357/15 CW 058/15"- AIRPORT MAG VAR CHANGE FROM 6E TO 3E/NO CHANGE TO GROUND TRACK.
5. CHANGED TAA 3. BEARINGS FROM "235/17 CW 324/17" TO "238/17 CW 327/17", FROM "324/22 CW 354/22" TO "327/22 CW 357/22", AND FROM "354/15 CW 055/15" TO "357/15 CW 058/15" - AIRPORT MAG VAR CHANGE FROM 6E TO 3E/NO CHANGE TO GROUND TRACK.
6. CHANGED TAA 4. BEARINGS FROM "055/30 CW 145/30" TO "058/30 CW 148/30" - AIRPORT MAG VAR CHANGE FROM 6E TO 3E/NO CHANGE TO GROUND TRACK.
7. CHANGED TAA 5. BEARINGS FROM "145/30 CW 235/30" TO "148/30 CW 238/30" - AIRPORT MAG VAR CHANGE FROM 6E TO 3E/NO CHANGE TO GROUND TRACK.
8. CHANGED HEADINGS FOR TERMINAL ROUTES FROM: FARAG - GOGOZ 054.82, HUBEZ - GOGOZ 234.90, GOGOZ - IDFIN 324.86; TO: FARAG - GOGOZ 057.82, HUBEZ - GOGOZ 237.90, GOGOZ - IDFIN 327.86 - AIRPORT MAG VAR CHANGE FROM 6E TO 3E/NO CHANGE TO GROUND TRACK.
9. ADDED LEG TYPE "TF" AND RNP "1.00" TO TERMINAL ROUTES FARAG - GOGOZ, HUBEZ - GOGOZ, GOGOZ - IDFIN - IAW FAAO 8260.19H, PARA 8-6-4.A.
10. ADDED TERMINAL ROUTE FROM IDFIN, FIX TYPE FAF, TO JIBGA/1.80 NM TO RW32, LEG TYPE TF, FB, RNP 0.30, COURSE 327.83, DISTANCE 3.04; ADDED TERMINAL ROUTE FROM JIBGA/1.80 NM TO RW32, TO RW32, FIX TYPE MAP, LEG TYPE TF, FO, RNP 0.30, COURSE 327.83, DISTANCE 1.80; ADDED TERMINAL ROUTE FROM RW32, FIX TYPE MAP, TO 349 MSL, LEG TYPE CA, COURSE 327.83; AND ADDED TERMINAL ROUTE FROM 349 MSL TO BEPUH, LEG TYPE DF, FO, RNP 1.00 ALTITUDE 2000; - TERMINAL ROUTES REQUIRED TO BE DOCUMENTED IAW FAAO 8260.19H.
11. CHANGED PROFILE LINE 2. INBOUND COURSE FROM 324.86 TO 327.86 AND ADDED "MAX 6000"- AIRPORT MAG VAR CHANGE FROM 6E TO 3E/NO CHANGE TO GROUND TRACK / MAXIMUM HOLDING ALTITUDE REQUIRED IAW FAAO 8260.19H PARA 8-6-7.B.2.
12. CHANGED PROFILE LINE 3. FAC FROM 324.83 TO 327.83 - AIRPORT MAG VAR CHANGE FROM 6E TO 3E/NO CHANGE TO GROUND TRACK.
13. ADDED "250 HAT: 0.66" TO PROFILE LINE 5. - IAW FAAO 8260.19H PARA 8-6-7.E.(3).
14. CHANGED PROFILE LINE 6. FROM "GS ALT AT: IDFIN" TO "GP ALT AT FAF: IDFIN 1700" - IAW FAAO 8260.19H PARA 8-6-7.F.
15. 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 34:1 AND 20:1 VISUAL SURFACE PENETRATIONS.
16. ADDED PBN EQUIPMENT REQUIREMENTS NOTES "RNP APCH" AND DELETED NOTE "DME/DME RNP-0.3 NA"- IAW FAAO 8260.19H 8-6-8.
17. DELETED NOTES "WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE VICTORIA ALTIMETER SETTING AND INCREASE ALL DA 110 FEET AND ALL MDA 120 FEET, INCREASE LPV VISIBILITY 1/4 MILE ALL CATS, LNAV/VNAV VISIBILITY 1/2 MILE ALL CATS, LNAV CAT C VISIBILITY 1/4 MILE" AND "VDP AND BARO-VNAV NA WHEN USING VICTORIA ALTIMETER SETTING" - NOTES NO LONGER REQUIRED TO BE PUBLISHED; SECONDARY ALTIMETER SETTING NOTES ARE NOW PLACED IN FORM 8260-9 REMARKS FOR CONTINGENCY PURPOSES.
18. 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.
19. ADDITIONAL FLIGHT DATA: CHANGED FROM "HOLD NW, RT, 144.75 INBOUND" TO "HOLD NW, RT, 147.75 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 ARE NOW DOCUMENTED IN 8260-9 REMARKS.
21. REMOVED CHARTING OF FAST OBST: 129 TREE 291439N/0960931W - LNAV/VNAV FINAL OBSTACLE DOES NOT REQUIRE TO BE CHARTED.

PDF EDIT:  
8260-9:  
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

Digitally signed by  
ROBERT G HAMILTON  
Apr 06, 2018

OFFICE Digitally signed by DATE

ROBERT G HAMILTON

Apr 06, 2018

OFFICE

AJV-5423

DATE

02/05/2018

OFFICE

AJV-5420

DATE

TITLE

MANAGER



FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KARM
RUNWAY	RW32
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W32A
LTP/FTP LATITUDE	291453.7300N
LTP/FTP LONGITUDE	0960902.0600W
LTP/FTP ELLIPSOIDAL HEIGHT	+00023
FPAP LATITUDE	291611.7100N
FPAP LONGITUDE	0960951.7500W
THRESHOLD CROSSING HEIGHT (TCH)	00041.7
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	223498C8
ADDITIONAL PATH POINT RECORD INFORMATION	
ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+00295
FPAP ORTHOMETRIC HEIGHT	+00295

