

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> UIN	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 22	<u>ORIGINAL/AMENDMENT</u> 2	<u>CITY</u> QUINCY	<u>STATE</u> IL
<u>AIRPORT ELEVATION</u> 768	<u>TDZE</u> 753	<u>SUPERSEDED</u> RNAV (GPS) RWY 22	<u>DATED</u> 06/15/2023	<u>MAG VAR</u> 2E
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ORIGINAL/AMENDMENT</u> 1	<u>REQUIRED EFFECTIVE DATE</u> 12/26/2024	<u>EPOCH YEAR</u> 1985
		<u>ACTUAL EFFECTIVE DATE</u> 26 DECEMBER 2024	<u>CANCEL/SUSPEND</u>	

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>
ALUGE	IAF	FANUT	NOPT	TF	FB	1.00	308.48	5.18	2400
COBOD	IAF	FANUT	NOPT	TF	FB	1.00	128.35	7.77	2400
FANUT	IF/IAF	MALGA		TF	FB	1.00	218.43	6.95	2400
MALGA	FAF	RW22	MAP	TF	FO	0.30	218.36	5.05	
RW22	MAP	1300 MSL		CA			218.36		1300
1300 MSL		FANUT		DF	FO	1.00			2400

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW22

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 1300 THEN CLIMBING LEFT TURN TO 2400 DIRECT FANUT AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)
2. HOLD NE FANUT, RT, 218.43 INBOUND, 2400 FT. IN LIEU OF PT (IAF), MAX 6000.					
3. FAC: 218.36	FAF: MALGA		DIST FAF TO MAP: 5.05	DIST FAF TO THLD: 5.05	
4. MIN ALT: FANUT 2400, MALGA 2400					
5. DIST TO THLD FROM OM:	MM:	IM:	150 HAT:	250 HAT: 0.66	GS ANT:
6. MIN GP INCPT: 2400	GP ALT AT PFAF: MALGA 2400			OM:	MM:
7. GP ANGLE: 3.00	34:1: IS CLEAR	20:1: IS CLEAR	TCH: 45.5		IM:
8. MSA FROM: RW22 2700					



PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -21°C OR ABOVE 54°C.
CHART NOTE: BARO-VNAV AND VDP NA WHEN USING PITTSFIELD ALTIMETER SETTING.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE PITTSFIELD ALTIMETER SETTING AND INCREASE LPV DA TO 1073 FEET AND ALL VISIBILITIES 1/8 SM. INCREASE LNAV/VNAV DA TO 1120 FEET AND ALL VISIBILITIES 1/8 SM. INCREASE ALL MDAS 80 FEET AND LNAV VISIBILITY CAT C/D 1/8 SM
CHART SPEED ICON IN PLANVIEW AT ALUGE: MAX 210 KIAS.

ADDITIONAL FLIGHT DATA:

CHART: PRUITT A MOA.
CHART: HOWARD WEST AND EAST MOA.

FAS OBST: 922 AAO 395942N/0910818W.
962 AAO 400118N/0910645W.
CHART VDP AT 1.21 NM TO RW22.
WAAS CHANNEL # 45705
REFERENCE PATH ID: W22A
CHART CIRCLING ICON.
LTP HAE: 195 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	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA
LPV DA	1003	3/4	250	1003	3/4	250	1003	3/4	250	1003	3/4	250			
LNAV/VNAV DA	1050	7/8	297	1050	7/8	297	1050	7/8	297	1050	7/8	297			
LNAV MDA	1180	1	427	1180	1	427	1180	1 1/4	427	1180	1 1/4	427			
CIRCLING	1180	1	412	1220	1	452	1240	1 1/2	472	1320	2	552			



CHANGES - REASONS

1. AIRPORT ELEVATION CHANGED FROM 769 TO 768 – NEW AIRPORT DATA.
2. TDZE CHANGED FROM 747 TO 753 – NEW AIRPORT DATA.
3. TERMINAL ROUTES: REMOVED LASSI FAF AND REPLACED WITH MALGA FAF – NEW POSITION BASED ON VDA/TCH PLACED LASSI ON TOP OF MALGA. REF. JO 7400.2, 3-3-1A.
4. TERMINAL ROUTES: LEG FROM FANUT IF/IAF DISTANCE CHANGED FROM 6.94 TO 6.95 – NEW FAF.
5. TERMINAL ROUTES: LEG FROM FAF DISTANCE CHANGED FROM 5.06 TO 5.05 – NEW FAF
6. TERMINAL ROUTES: CA LEG ALTITUDE CHANGED FROM 1200 TO 1300 – REQUIRED BY NEW LPV DA. REF. 8260.58, 3-7-1B.
7. CHANGED MISSED APPROACH INSTRUCTIONS FROM "CLIMB TO 1200 THEN CLIMBING LEFT TURN TO 2400 DIRECT FANUT AND HOLD" TO "CLIMB TO 1300 THEN CLIMBING LEFT TURN TO 2400 DIRECT FANUT AND HOLD" – NEW CA LEG ALTITUDE.
8. PROFILE LINE 3: CHANGED FAF FROM LASSI TO MALGA, DIST FAF TO MAP FROM 5.06 TO 5.05 AND DIST FAF TO THLD FROM 5.06 TO 5.05 – NEW FAF.
9. PROFILE LINE 4: CHANGED MIN ALT FROM "FANUT 2400, LASSI 2400" TO "FANUT 2400, MALGA 2400" – NEW FAF.
10. PROFILE LINE 5: CHANGED 250 HAT FROM 0.65 TO 0.66 - FAF RELOCATED BASED ON GPA/TCH.
11. PROFILE LINE 6: CHANGED GP ALT AT PFAF FROM "LASSI 2400" TO "MALGA 2400" – NEW FAF.
12. PROFILE LINE 7: CHANGED TCH FROM 42.5 TO 45.5 – MATCH RUNWAY VGSI. REF 8260.3, 2-6-4
13. NOTES: ADDED "CHART NOTE: BARO-VNAV AND VDP NA WHEN USING PITTSFIELD ALTIMETER SETTING." REF 8260.19, 8-6-9E.
14. NOTES: ADDED "CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE PITTSFIELD ALTIMETER SETTING AND INCREASE LPV DA TO 1073 FEET AND ALL VISIBILITIES 1/8 SM. INCREASE LNAV/VNAV DA TO 1120 FEET AND ALL VISIBILITIES 1/8 SM. INCREASE ALL MDAS 80 FEET AND LNAV VISIBILITY CAT C/D 1/8 SM" - OSG-FPT DETERMINATION. REF 8960.19, 8-6-8F.
15. ADDITIONAL FLIGHT DATA: CHANGED FROM "FAS OBST: 920 AAO 395942N/0910821W" TO "FAS OBST: 922 AAO 395942N/0910818W " - NEW CONTROLLING OBSTACLE.
16. ADDITIONAL FLIGHT DATA: REMOVED 7:1 OBSTACLE "950 AAO 400121N/0910736W" - NEW TERRAIN EVALUATION.
17. ADDITIONAL FLIGHT DATA: ADDED 7:1 OBSTACLE "962 AAO 400118N/0910645W" - NEW TERRAIN EVALUATION.
18. ADDITIONAL FLIGHT DATA: LTP HAE: CHANGED FROM 194.9 TO 195 – NEW AIRPORT DATA.
19. CHANGED LPV ALL CATS DA FROM 997 TO 1003 – NEW TDZE.
20. CHANGED LNAV/VNAV ALL CATS HAT FROM 303 TO 297 - NEW TDZE.
21. CHANGED LNAV ALL CATS HAT FROM 433 TO 427 – NEW TDZE.
22. CHANGED CIRCLING CAT A HAA FROM 411 TO 412 - NEW AIRPORT ELEVATION.
23. CHANGED CIRCLING CAT B HAA FROM 451 TO 452 - NEW AIRPORT ELEVATION.
24. CHANGED CIRCLING CAT C HAA FROM 471 TO 472 - NEW AIRPORT ELEVATION.
25. CHANGED CIRCLING CAT A HAA FROM 551 TO 552 - NEW AIRPORT ELEVATION.
26. FAS DATA BLOCK INFORMATION: CRC REMAINDER CHANGED FROM ""C9E4E6A4" TO "847E69A3". – LTP/FTP LAT/LONG CHANGED FROM "395703.6085N/0911059.4685W" TO "395703.6065N/0911059.4695W", LTP/FTP ELLIPSOID HEIGHT CHANGED FROM "+01949" TO "+01950", FPAP COORDINATES FROM "395555.6135N/0911214.4125W" TO "395555.6120N/0911214.4140W", AND TCH CHANGED FROM "00042.5" TO "00045.5". NEW AIRPORT DATA.
27. ADDITION PATH POINT RECORD INFORMATION: LTP ORTHOMETRIC HEIGHT AND FPAP ORTHOMETRIC HEIGHT CHANGED FROM "+02275" TO "+02276".

10/25/24: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 03/25/2024.
1. CHANGED REQUIRED EFFECTIVE DATE FROM ROUTINE TO 12/26/2024. -HARD DATED

COORDINATED WITH:

A4A

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ALPA

☒

AOPA

☒

APA

☐

HAI

☐

NBAA

☒

OTHER: ZKC ARTCC, AMGR

FLIGHT CHECKED BY

PENDING

Digitally signed by

RAKE MCGRAW

Oct 25, 2024

OFFICE

DATE

Digitally signed by

RAKE MCGRAW

Oct 25, 2024

OFFICE

AJV-A33

DATE

03/21/2024

DEVELOPED BY

JOHN BORDY (DUSTIN HARDISON)

APPROVED BY

JOHN BORDY

Digitally signed by

RAKE MCGRAW

Oct 25, 2024

OFFICE

AJV-A33

DATE

09/05/2024

TITLE
MANAGER



FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KUIN
RUNWAY	RW22
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W22A
LTP/FTP LATITUDE	395703.6065N
LTP/FTP LONGITUDE	0911059.4695W
LTP/FTP ELLIPSOIDAL HEIGHT	+01950
FPAP LATITUDE	395555.6120N
FPAP LONGITUDE	0911214.4140W
THRESHOLD CROSSING HEIGHT (TCH)	00045.5
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0584
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	847E69A3

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+02276
FPAP ORTHOMETRIC HEIGHT	+02276

