

**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> KUIN	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 22	<u>ORIGINAL/AMENDMENT</u> 1	<u>CITY</u> QUINCY	<u>STATE</u> IL		
<u>AIRPORT ELEVATION</u> 769	<u>TDZE</u> 747	<u>SUPERSEDED</u> RNAV (GPS) RWY 22	<u>ORIGINAL/AMENDMENT</u> ORIG-A	<u>DATED</u> 12/31/2020	<u>MAG VAR</u> 2E	<u>EPOCH YEAR</u> 1985
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 15 JUNE 2023	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>		

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
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	LASSI		TF	FB	1.00	218.43	6.94	2400
LASSI	FAF	RW22	MAP	TF	FO	0.30	218.36	5.06	
RW22	MAP	1200 MSL		CA			218.36		1200
1200 MSL		FANUT		DF	FO	1.00			2400

MISSED APPROACH

MAP:

LPV: DA
 LNAV/VNAV: DA
 LNAV: RW22

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 1200 THEN CLIMBING LEFT TURN TO 2400 DIRECT FANUT AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



CHANGES - REASONS

1. TERMINAL ROUTES: REMOVED UIN VORTAC FEEDER FROM PROCEDURE - UIN VOR MON NATL PROGRAM.
2. TERMINAL ROUTES: CHANGED FANUT TO LASSI SEGMENT DISTANCE FROM 7.01 TO 6.94 - FAF RELOCATED BASED ON GPA/TCH.
3. TERMINAL ROUTES: CHANGED LASSI TO RW22 SEGMENT DISTANCE FROM 4.99 TO 5.06 - FAF RELOCATED BASED ON GPA/TCH.
4. TERMINAL ROUTES: REMOVED ASIPE FIX FROM THE MISSED APPROACH - MISSED APPROACH REDESIGNED PER IFP/ATC CHECKLIST REQUEST.
5. TERMINAL ROUTES: REPLACED UIN VORTAC WITH FANUT AND REMOVED COURSE 211.90 AND DISTANCE 5.61 - MISSED APPROACH REDESIGNED PER IFP/ATC CHECKLIST REQUEST.
6. CHANGED MISSED APPROACH INSTRUCTIONS FROM "CLIMB TO 2400 DIRECT ASIPE AND ON TRACK 211.90 TO UIN VORTAC AND HOLD" TO "CLIMB TO 1200 THEN CLIMBING LEFT TURN TO 2400 DIRECT FANUT AND HOLD" - MISSED APPROACH REDESIGNED PER IFP/ATC CHECKLIST REQUEST.
7. PROFILE LINE 3: CHANGED DIST FAF TO MAP FROM 4.99 TO 5.06 AND DIST FAF TO THLD FROM 4.99 TO 5.06 - FAF RELOCATED BASED ON GPA/TCH.
8. PROFILE LINE 5: CHANGED 250 HAT FROM 0.66 TO 0.65 - FAF RELOCATED BASED ON GPA/TCH.
9. PBN REQUIREMENTS NOTE: REPLACED "RNP APCH" WITH "RNP APCH - GPS" - PER 8260.19I PARA 8-6-8 B(2).
10. CHART NOTE: CHANGED FROM "FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16°C OR ABOVE 54°C" TO "FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -21°C OR ABOVE 54°C" - PER UPDATED 5-YEAR WEATHER HISTORY CALCULATION, IAW 8260.19I, 8-6-9 (R).
11. REMOVED "CHART SPEED ICON IN PLANVIEW AT FANUT: MAX 180 KIAS" FROM NOTES - NO LONGER REQUIRED.
12. ADDITIONAL FLIGHT DATA: REMOVED "HOLD SW, RT, 036.43 INBOUND" - MISSED APPROACH HOLDING IS AT HIL FIX ON PROFILE LINE 2.
13. ADDITIONAL FLIGHT DATA: CHANGED FROM "FAS OBST: 959 AAO 400121N/0910734W" TO "FAS OBST: 920 AAO 395942N/0910821W" - NEW CONTROLLING OBSTACLE.
14. ADDITIONAL FLIGHT DATA: ADDED 7:1 OBSTACLE "950 AAO 400121N/0910736W" - NEW TERRAIN EVALUATION.
15. ADDITIONAL FLIGHT DATA: REMOVED "" FROM "CHART VDP AT 1.10 NM TO RW22" AND ""LNAV ONLY" - NO LONGER REQUIRED PER CURRENT CRITERIA.
16. ADDED CHART CIRCLING ICON TO ADDITIONAL FLIGHT DATA - IAW 8260.19I, 8-6-10S.
17. CHANGED LPV ALL CATS VISIBILITY FROM 1 SM TO 3/4 SM - PER UPDATED 8260.3E TABLE 3-3-1.
18. CHANGED LNAV/VNAV ALL CATS DA/HAT FROM 1159/412 TO 1050/303 AND ALL CATS VISIBILITY FROM 1 1/2 SM TO 7/8 - NEW CONTROLLING OBSTACLE, PER UPDATED 8260.3E TABLE 3-3-1.
19. CHANGED LNAV ALL CATS DA/HAA FROM 1220/473 TO 1180/433 AND CAT C AND D VISIBILITY FROM 1 3/8 SM TO 1 1/4 SM - NEW CONTROLLING OBSTACLE, PER UPDATED 8260.3E TABLE 3-3-1.
20. CHANGED CIRCLING CAT A MDA/HAA FROM 1200/431 TO 1180/411 - NEW CONTROLLING OBSTACLE.
21. CRC REMAINDER CHANGED FROM "1774573D" TO "C9E4E6A4". - LTP/FTP LAT/LONG CHANGED FROM "395703.6085N/0911059.4675W" TO "395703.6085N/0911059.4685W" AND FPAP COORDINATES FROM "395555.6200N/0911214.4200W" TO "395555.6135N/0911214.4125W".

COORDINATED WITH:

~~A4A~~ ALPA AOPA APA HAI NBAA OTHER: ZKC, AMGR

FLIGHT CHECKED BY

Digitally signed by
CASIMIR L TABAKA
Mar 22, 2023

OFFICE

FPO

DATE

03/17/2023

DEVELOPED BY

CASIMIR L. TABAKA (SILVIA YOUNG)

Digitally signed by
CASIMIR L TABAKA
Feb 28, 2023

OFFICE

AJV-A432

DATE

11/28/2022

APPROVED BY

CASIMIR TABAKA

Digitally signed by
CASIMIR L TABAKA
Feb 28, 2023

OFFICE

AJV-A432

DATE

TITLE
MANAGER



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
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	395703.6085N
LTP/FTP LONGITUDE	0911059.4685W
LTP/FTP ELLIPSOIDAL HEIGHT	+01949
FPAP LATITUDE	395555.6135N
FPAP LONGITUDE	0911214.4125W
THRESHOLD CROSSING HEIGHT (TCH)	00042.5
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	C9E4E6A4

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+02275
FPAP ORTHOMETRIC HEIGHT	+02275

