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.

AIRPORT ID KUIN	PROCEDUR RNAV (GPS)		AL/AMENDMENT 1	<u>CITY</u> QUINC		STATE IL	
AIRPORT ELEVATION 769	<u>TDZE</u> 747	<u>SUPERSEDED</u> RNAV (GPS) RWY 22		RIGINAL/AMENDMENT ORIG-A	DATED 12/31/2020	MAG VAR 2E	EPOCH YEAR 1985
FACILITY RNAV	COORDINATES OF FACILITIES	ACTUAL EFFECTIVE DATE 15 JUNE 2023		<u>D EFFECTIVE DATE</u> ROUTINE	CANCEL/SUS	<u>SPEND</u>	

TERMINAL ROUTES

FROM	FIX TYPE	<u>TO</u>	FIX TYPE	LEG TYPE	FO/FB	RNP	<u>COURSE</u>	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:



AIRPORT IDPROCEDURE NAMEORIGINAL/AMENDMENTCITYSTATEKUINRNAV (GPS) RWY 221QUINCYIL

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:** LASSI **DIST FAF TO MAP:** 5.06 **DIST FAF TO THLD:** 5.06

4. MIN ALT: FANUT 2400, LASSI 2400

5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 250 HAT: 0.65 GS ANT:

6. MIN GP INCPT: 2400 **GP ALT AT PFAF**: LASSI 2400 **OM**: **MM**: **IM**:

7. GP ANGLE: 3.00 **34:1:** IS CLEAR **20:1:** IS CLEAR **TCH**: 42.5

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 SPEED ICON IN PLANVIEW AT ALUGE: MAX 210 KIAS.

ADDITIONAL FLIGHT DATA:

CHART: PRUITT A MOA, HOWARD EAST MOA, HOWARD WEST MOA

FAS OBST: 920 AAO 395942N/0910821W.

950 AAO 400121N/0910736W. CHART VDP AT 1.21 NM TO RW22. WAAS CHANNEL # 45705

WAAS CHANNEL # 45705 REFERENCE PATH ID: W22A CHART CIRCLING ICON.

LTP HAE: 194.9 M

MINIMUMS:

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

ALTERNATE: NA STANDARD - NA WHEN LOCAL WEATHER NOT AVAILABLE.

CATEGORY:		Α			В			С			D			E	
FINAL TYPE	DA/MDA	<u>VIS</u>	HAT/HAA												
LPV DA	997	3/4	250	997	3/4	250	997	3/4	250	997	3/4	250			
LNAV/VNAV DA	1050	7/8	303	1050	7/8	303	1050	7/8	303	1050	7/8	303			
LNAV MDA	1180	1	433	1180	1	433	1180	1 1/4	433	1180	1 1/4	433			
CIRCLING	1180	1	411	1220	1	451	1240	1 1/2	471	1320	2	551			



AIRPORT ID PROCEDURE NAME ORIGINAL/AMENDMENT CITY STATE
KUIN RNAV (GPS) RWY 22 1 QUINCY IL

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.

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- 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.

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Feb 28, 2023

- 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.

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- 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".

OTHER: 7KC AMGR

COORDINATED WITH:

		OTTEN. ZNO, AWGI	1		
FLIGHT CHECKED BY	Digitally signed by		<u>OFFICE</u>	<u>DATE</u>	
PETER A WYMAN	CASIMIR L TABAKA Mar 22, 2023		FPO	03/17/2023	
<u>DEVELOPED BY</u> CASIMIR L. TABAKA (SIL	VIA YOUNG)	Digitally signed by CASIMIR L TABAKA	OFFICE AJV-A432	<u>DATE</u> 11/28/2022	
APPROVED BY CASIMIR TABAKA	Digitally signed by CASIMIR L TABAKA	Feb 28, 2023	OFFICE AJV-A432	DATE	<u>TITLE</u> MANAGER

AIRPORT ID
KUIN
RNAV (GPS) RWY 22
1
CITY
QUINCY
IL

FAS DATA BLOCK INFORMATION

DATA FIELDDATAOPERATION TYPE0SBAS SERVICE PROVIDER IDENTIFIER0AIRPORT IDENTIFIERKUINRUNWAYRW22APPROACH PERFORMANCE DESIGNATOR0

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 (NAL) 50.0

CRC REMAINDER C9E4E6A4

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODEK5LTP ORTHOMETRIC HEIGHT+02275FPAP ORTHOMETRIC HEIGHT+02275