

**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 ID</b></u> KUIN	<u><b>PROCEDURE NAME</b></u> RNAV (GPS) RWY 31	<u><b>ORIGINAL/AMENDMENT</b></u> ORIG-A	<u><b>CITY</b></u> QUINCY	<u><b>STATE</b></u> IL		
<u><b>AIRPORT ELEVATION</b></u> 769	<u><b>TDZE</b></u> 769	<u><b>SUPERSEDED</b></u> RNAV (GPS) RWY 31	<u><b>ORIGINAL/AMENDMENT</b></u> ORIG	<u><b>DATED</b></u> 01/15/2009	<u><b>MAG VAR</b></u> 2E	<u><b>EPOCH YEAR</b></u> 1985
<u><b>FACILITY</b></u> RNAV	<u><b>COORDINATES OF FACILITIES</b></u>	<u><b>ACTUAL EFFECTIVE DATE</b></u> 31 DECEMBER 2020	<u><b>REQUIRED EFFECTIVE DATE</b></u> ROUTINE	<u><b>CANCEL/SUSPEND</b></u>		

**TAA**

FROM	FIX TYPE	TO	FIX TYPE	ALTITUDE
1. 223/30 CW 043/30	NOPT	UYAPI	IF/IAF	2700
2. 043/30 CW 133/30		ZIMOK	IAF	2700
3. 133/30 CW 223/30		WEKIK	IAF	2700

**TERMINAL ROUTES**

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
ZIMOK	IAF	UYAPI	NOPT	TF	FB	1.00	043.38	5.00	2700
WEKIK	IAF	UYAPI	NOPT	TF	FB	1.00	223.48	5.00	2700
UYAPI	IF/IAF	BIVEW		TF	FB	1.00	313.43	6.20	2400
BIVEW	FAF	WIRUG/2.50 NM TO RW31		TF	FB	0.30	313.37	2.43	
WIRUG/2.50 NM TO RW31		RW31	MAP	TF	FO	0.30	313.37	2.50	
RW31	MAP	1057 MSL		CA			313.37		
1057 MSL		TAVSE		DF	FO	1.00			2700

**MISSED APPROACH**

**MAP:**

LPV: DA  
LNAV/VNAV: DA  
LNAV: RW31

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 2700 DIRECT TAVSE AND HOLD.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**





**CHANGES - REASONS**

1. CIRCLING CAT C MDA RAISED FROM 1220 TO 1240 - NEW CONTROLLING OBSTACLE AFTER APPLYING NEW CIRCLING CRITERIA.
2. CHANGED INTERMEDIATE RNP VALUE FROM 0.5 TO 1.0 - APPLY CORRECT RNP REQUIREMENT.
3. CHARTED RNP APCH PBN NOTE - PBN REQUIREMENTS NOTE.
4. DELETED DME/DME RNP-0.3 NA NOTE - RNP APCH PBN NOTE APPLIED.
5. REMOVED BACKUP ALTIMETER SETTING NOTES - NOT REQUIRED; MOVED TO GENERAL REMARKS TO BE ISSUED BY NOTAM AS NEEDED.
6. REMOVED FAHRENHEIT VALUES FROM LNAV/VNAV UNCOMPENSATED NOTE AND HIGH TEMP FROM 47C TO 54C - CORRECT FORMAT AND CALCULATE MAX TEMP USING LATEST FORMULA.
7. ADDED 20:1 IS CLEAR - NEW DOCUMENTATION REQUIREMENT, SURFACE WAS ALWAYS CLEAR.
8. ADDED MAXIMUM 6000 TO HOLDING AT UYAPI - DOCUMENTATION REQUIREMENT.
9. ADDED SPEED RESTRICTIONS OF 210 AT IAF (WEKIK AND ZIMOK) AND 180 AT IF (UYAPI) - INITIAL SEGMENT LENGTHS TOO SHORT FOR STANDARD AIRSPEEDS
10. CHANGED 34:1 FROM NOT CLEAR TO CLEAR AND DELETED VISIBILITY REDUCTION BY HELICOPTERS NA NOTE - 34:1 PENETRATION NO LONGER EXISTS.
11. ADDED CA TO MISSED APPROACH - PROVIDE CODING REFERENCE.

**COORDINATED WITH:**

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

*Digitally signed by*

**FLIGHT CHECKED BY** **DONALD H LANIER**  
BRYAN VEIT Oct 19, 2020

**OFFICE** **DATE**  
FICO 10/18/2020

**DEVELOPED BY** *Digitally signed by*  
KELLY DEAN **KELLY D DEAN**  
Sep 24, 2020

**OFFICE** **DATE**  
AJV-A431 08/24/2020

**APPROVED BY** *Digitally signed by*  
LONNIE EVERHART **DONALD H LANIER**  
Oct 19, 2020

**OFFICE** **DATE** **TITLE**  
AJV-A430 **MANAGER**



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KUIN
RUNWAY	RW31
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W31A
LTP/FTP LATITUDE	395607.0805N
LTP/FTP LONGITUDE	0911113.1715W
LTP/FTP ELLIPSOIDAL HEIGHT	+02017
FPAP LATITUDE	395710.4800N
FPAP LONGITUDE	0911234.6400W
THRESHOLD CROSSING HEIGHT (TCH)	00040.1
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1104
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	D431D578

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+02343
FPAP ORTHOMETRIC HEIGHT	+02343

