

**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 13	<u>ORIGINAL/AMENDMENT</u> ORIG-A	<u>CITY</u> QUINCY	<u>STATE</u> IL		
<u>AIRPORT ELEVATION</u> 769	<u>TDZE</u> 767	<u>SUPERSEDED</u> RNAV (GPS) RWY 13	<u>ORIGINAL/AMENDMENT</u> ORIG	<u>DATED</u> 01/15/2009	<u>MAG VAR</u> 2E	<u>EPOCH YEAR</u> 1985
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 31 DECEMBER 2020	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>		

TAA

FROM	FIX TYPE	TO	FIX TYPE	ALTITUDE
1. 043/30 CW 223/30	NOPT	TAVSE	IF/IAF	2700
2. 223/30 CW 313/30		JUVLI	IAF	2700
3. 313/30 CW 043/30		ZOGOS	IAF	2700

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
JUVLI	IAF	TAVSE	NOPT	TF	FB	1.00	223.25	5.00	2700
ZOGOS	IAF	TAVSE	NOPT	TF	FB	1.00	043.15	5.00	2700
TAVSE	IF/IAF	BIPZE		TF	FB	1.00	133.20	6.20	2400
BIPZE	FAF	YIPUS/2.50 NM TO RW13		TF	FB	0.30	133.26	2.42	
YIPUS/2.50 NM TO RW13		RW13	MAP	TF	FO	0.30	133.26	2.50	
RW13	MAP	1116 MSL		CA			133.26		
1116 MSL		UYAPI		DF	FO	1.00			2700

MISSED APPROACH

MAP:

LPV: DA
 LNAV/VNAV: DA
 LNAV: RW13

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 2700 DIRECT UYAPI AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



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
LPV DA	1116	1 1/4	349	1116	1 1/4	349	1116	1 1/4	349	1116	1 1/4	349			
LNAV/VNAV DA	1139	1 1/4	372	1139	1 1/4	372	1139	1 1/4	372	1139	1 1/4	372			
LNAV MDA	1120	1	353	1120	1	353	1120	1	353	1120	1 1/4	353			
CIRCLING	1180	1	411	1220	1	451	1240	1 1/2	471	1320	2	551			

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 CHANGED HIGH TEMP FROM 47C TO 54C - CORRECT FORMAT AND CORRECT MAX VALUE USING LATEST FORMULA.
7. ADDED 20:1 IS CLEAR - NEW DOCUMENTATION REQUIREMENT, SURFACE WAS ALWAYS CLEAR.
8. ADDED MAXIMUM 6000 TO HOLDING AT TAVSE - DOCUMENTATION REQUIREMENT.
9. ADDED SPEED RESTRICTIONS OF 210 AT IAF (JUVLI AND ZOGOS) AND 180 AT IF (TAVSE) - INITIAL SEGMENT LENGTHS TOO SHORT FOR STANDARD AIRSPEEDS.
10. ADDED CA LEG TO MISSED APPROACH - PROVIDE CODING REFERENCE.

COORDINATED WITH:

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

FLIGHT CHECKED BY *Digitally signed 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**

OFFICE **DATE**
AJV-A431 08/19/2020

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	RW13
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W13A
LTP/FTP LATITUDE	395645.0010N
LTP/FTP LONGITUDE	0911201.8890W
LTP/FTP ELLIPSOIDAL HEIGHT	+02007
FPAP LATITUDE	395541.6000N
FPAP LONGITUDE	0911040.4400W
THRESHOLD CROSSING HEIGHT (TCH)	00045.0
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	9E4AEE7C

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+02333
FPAP ORTHOMETRIC HEIGHT	+02333

