

**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</u> COOK MUNI	<u>AIRPORT ID</u> KCQM	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 31	<u>ORIGINAL/AMENDMENT</u> 1D	<u>CITY</u> COOK	<u>STATE</u> MN
<u>AIRPORT ELEVATION</u> 1329	<u>TDZE</u> 1328	<u>SUPERSEDED</u> RNAV (GPS) RWY 31	<u>ORIGINAL/AMENDMENT</u> 1C	<u>DATED</u> 02/28/2019	<u>MAG VAR</u> 1E
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 5 DECEMBER 2019	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>	<u>EPOCH YEAR</u> 1995

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
INKER		JUDOD		TF	FO	1.00	119.31	25.59	3500
HIB VOR/DME	IAF	JUDOD	NOPT	TF	FB	1.00	020.50	24.35	3500
SAYOB	IAF	JUDOD	NOPT	TF	FB	1.00	256.90	10.72	3500
JUDOD	IF/IAF	COPLU		TF	FB	1.00	315.09	5.87	3200
COPLU	FAF	PACIG/2.10 NM TO RW31		TF	FB	0.30	315.01	3.69	
PACIG/2.10 NM TO RW31		RW31	MAP	TF	FO	0.30	315.01	2.10	
RW31	MAP	1729 MSL		CA			315.01		
1729 MSL		WELVO		DF	FO	1.00			3500

MISSED APPROACH

MAP:

LP: RW31
LNAV: RW31

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 3500 DIRECT WELVO AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

- 1. **PT** **SIDE OF COURSE** **OUTBOUND** **FT WITHIN** **MILES OF (IAF)**
- 2. HOLD SE JUDOD, RT, 315.09 INBOUND, 3500 FT. IN LIEU OF PT (IAF), MAX 6000.
- 3. **FAC:** 315.01 **FAF:** COPLU **DIST FAF TO MAP:** 5.79 **DIST FAF TO THLD:** 5.79
- 4. **MIN ALT:** JUDOD 3500, COPLU 3200, PACIG/2.10 NM TO RW31 2020
- 5. **DIST TO THLD FROM OM:** **MM:** **IM:** **150 HAT:** **GS ANT:**
- 6. **MIN GP INCPT:** **GP ALT AT FAF** **OM:** **MM:** **IM:**
- 7. **GP ANGLE:** **34:1:** IS NOT CLEAR **20:1:** IS CLEAR **TCH:**
- 8. **MSA FROM:** RW31 3400

PBN REQUIREMENTS NOTE:

RNP APCH.

NOTES:

CHART NOTE: RWY 31 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
 CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT HIB VOR/DME ON V217-505 SOUTHEAST BOUND.
 CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ORR ALTIMETER SETTING AND INCREASE ALL MDAS 40 FEET.

ADDITIONAL FLIGHT DATA:

CHART PROFILE NOTE: VISUAL SEGMENT - OBSTACLES.
 WAAS CHANNEL #78426
 REFERENCE PATH ID: W31A
 CHART FAS OBST: 1473 STACK 474750N/0923933W, 1507 TREE 474729N/0923904W.
 CHART: 1439 TREE 474735N/0923916W, 1519 TREE 474726N/0923902W.
 1729 AAO 474447N/0923603W, 1749 AAO 474433N/0923622W.
 HOLD NW, RT, 134.78 INBOUND
 LTP HAE: 370.8 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
LP MDA	1740	1	412	1740	1	412		NA			NA				
LNAV MDA	1760	1	432	1760	1	432		NA			NA				
CIRCLING	1780	1	451	1780	1	451		NA			NA				

CHANGES - REASONS

- 1. REMOVED FEEDER FROM KUMDE - ELO VOR/DME CHANGING TO ELO DME.
- 2. CHANGED CA ALTITUDE FROM 1640 TO 1729 - 400 FT ABOVE ARPT ELEVATION/MIN ALT.



8/9/2019: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON: 07/22/2019:

1. DELETED "CHART NOTE: PROCEDURE NA AT NIGHT" FROM NOTES.
2. CHANGED "20:1: IS NOT CLEAR" TO "20:1: IS CLEAR" ON LINE 7.
3. CHANGED CHART NOTE: "RWY 31 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED" TO "RWY 31 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED" IN NOTES.

COORDINATED WITH:

A4A **ALPA** **AOPA** **APA** **HAI** **NBAA** **OTHER:** ZMP, ARPT MGR

FLIGHT CHECKED BY

PROCESSED IAW AIRCRAFT OPERATIONS GROUP (AJW-33) MEMO, OCTOBER 3, 2018, SUBJECT:
FLIGHT INSPECTION REVIEW NOT REQUIRED

OFFICE

Digitally signed by

DATE

WARDELL HENNING

Aug 23, 2019

DEVELOPED BY

WARDELL HENNING (THERON CYRUS)

Digitally signed by

OFFICE

DATE

WARDELL HENNING

AJV-A432

06/10/2019

Aug 23, 2019

APPROVED BY

Digitally signed by

LONNIE EVERHART

WARDELL HENNING

OFFICE

DATE

AJV-A430

TITLE
MANAGER

Aug 23, 2019



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KCQM
RUNWAY	RW31
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W31A
LTP/FTP LATITUDE	474906.0355N
LTP/FTP LONGITUDE	0924101.9050W
LTP/FTP ELLIPSOIDAL HEIGHT	+03708
FPAP LATITUDE	475010.0100N
FPAP LONGITUDE	0924233.8800W
THRESHOLD CROSSING HEIGHT (TCH)	00000.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	00.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1528
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	0.0
CRC REMAINDER	02621EE8

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+04015
FPAP ORTHOMETRIC HEIGHT	+04015

