

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 13	<u>ORIGINAL/AMENDMENT</u> ORIG-D	<u>CITY</u> COOK	<u>STATE</u> MN
<u>AIRPORT ELEVATION</u> 1329	<u>TDZE</u> 1329	<u>SUPERSEDED</u> RNAV (GPS) RWY 13	<u>ORIGINAL/AMENDMENT</u> ORIG-C	<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

<u>FROM</u>	<u>FIX TYPE</u>	<u>TO</u>	<u>FIX TYPE</u>	<u>LEG TYPE</u>	<u>FO/FB</u>	<u>RNP</u>	<u>COURSE</u>	<u>DISTANCE</u>	<u>ALTITUDE</u>
SAYOB		WELVO		TF	FO	1.00	298.19	31.07	3500
TOEGO		WELVO		TF	FO	1.00	001.64	16.51	3500
ZUNNI	IAF	WELVO	NOPT	TF	FB	1.00	124.92	11.66	3500
WELVO	IF/IAF	HIDGO		TF	FB	1.00	134.78	6.01	3200
HIDGO	FAF	FIRIL/1.70 NM TO RW13		TF	FB	0.30	134.86	4.05	
FIRIL/1.70 NM TO RW13		RW13	MAP	TF	FO	0.30	134.86	1.70	
RW13	MAP	1680 MSL		CA			134.86		
1680 MSL		JUDOD		DF	FO	1.00			3500

MISSED APPROACH

MAP:

LP: RW13
 LNAV: RW13

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 3500 DIRECT JUDOD AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

QUALITY
18
CHECKED

PROFILE:

1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
2. HOLD NW WELVO, RT, 134.78 INBOUND, 3500 FT. IN LIEU OF PT (IAF), MAX 6000.
3. FAC: 134.86 FAF: HIDGO DIST FAF TO MAP: 5.75 DIST FAF TO THLD: 5.75
4. MIN ALT: WELVO 3500, HIDGO 3200, FIRIL/1.70 NM TO RW13 1900
5. DIST TO THLD FROM OM: MM: IM: 150 HAT: GS ANT: OM: MM: IM:
6. MIN GP INCPT: GP ALT AT FAF :
7. GP ANGLE: 34:1: IS NOT CLEAR 20:1: IS CLEAR TCH:
8. MSA FROM: RW13 3400

PBN REQUIREMENTS NOTE:

RNP APCH.

NOTES:

CHART NOTE: RWY 13 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
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 #58127
REFERENCE PATH ID: W13A
CHART FAS OBST:1414 TREE 475021N/0924257W, 1426 TREE 474932N/0924202W.
CHART: 1449 TREE 475051N/0924353W.
1669 AAO 475430N/0924644W.
HOLD SE, RT, 315.09 INBOUND
LTP HAE: 373.8 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	1680	1	351	1680	1	351		NA			NA				
LNAV MDA	1700	1	371	1700	1	371		NA			NA				
CIRCLING	1780	1	451	1780	1	451		NA			NA				



CHANGES - REASONS

1. REMOVED FEEDER FROM KUMDE AND ASSOCIATED PROCEDURE ENTRY NOTE - ELO VOR/DME CHANGING TO ELO DME.

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 13 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED" TO "RWY 13 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

WARDELL HENNING

Aug 23, 2019

OFFICE

AJV-A432

DATE

06/05/2019

APPROVED BY

LONNIE EVERHART

Digitally signed by

WARDELL HENNING

Aug 23, 2019

OFFICE

AJV-A430

DATE

TITLE
MANAGER



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KCQM
RUNWAY	RW13
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W13A
LTP/FTP LATITUDE	474934.3925N
LTP/FTP LONGITUDE	0924142.6740W
LTP/FTP ELLIPSOIDAL HEIGHT	+03738
FPAP LATITUDE	474830.4000N
FPAP LONGITUDE	0924010.7300W
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	E74273F0

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+04046
FPAP ORTHOMETRIC HEIGHT	+04046

