

**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> KVMR	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 12	<u>ORIGINAL/AMENDMENT</u> ORIG-B	<u>CITY</u> VERMILLION	<u>STATE</u> SD		
<u>AIRPORT ELEVATION</u> 1147	<u>TDZE</u> 1147	<u>SUPERSEDED</u> RNAV (GPS) RWY 12	<u>ORIGINAL/AMENDMENT</u> ORIG-A	<u>DATED</u> 10/10/2019	<u>MAG VAR</u> 3E	<u>EPOCH YEAR</u> 2015
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 20 APRIL 2023	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>		

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
HURLI		WAPIR		TF	FO	1.00	313.50	23.78	3500
FIITS	IAF	WAPIR	NOPT	TF	FB	1.00	096.22	9.45	3500
JAKDI	IAF	WAPIR	NOPT	TF	FB	1.00	186.27	7.58	3500
WAPIR	IF/IAF	ZUGPI		TF	FB	1.00	122.85	7.00	3000
ZUGPI	FAF	YOVUP/2.70 NM TO RW12		TF	FB	0.30	122.94	3.01	
YOVUP/2.70 NM TO RW12		RW12	MAP	TF	FO	0.30	122.94	2.70	
RW12	MAP	1470 MSL		CA			122.94		
1470 MSL		IKUBE		DF	FO	1.00			3500

MISSED APPROACH

MAP:

LPV: DA
 LNAV/VNAV: DA
 LNAV: RW12

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 3500 DIRECT IKUBE AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



CHANGES - REASONS

1. CHANGED TERMINAL ROUTES IAF FROM YKN VOR/DME TO FIITS WAYPOINT - YKN VOR WILL BE DECOMMISSIONED DUE TO VORMON, WAYPOINT IS 61FT, .01NM FROM YKN DME.
2. AMENDED ADDITIONAL FLIGHT DATA NOTE FROM "CHART FAS OBST 1379 TANK 424639N/0965600W" TO "CHART FAS OBST: 1379 TANK (46-022522) 424639N/0965600W" - 8260.19I, 8-6-10.C.
3. CHANGED PROFILE LINE 4 FROM "MIN ALT: WAPIR 3500, ZUGPI 3000, YOYUP/2.70NM TO RWY 12 2040*" TO "MIN ALT: WAPIR 3500, ZUGPI 3000, YOYUP/2.70NM TO RWY 12 2040"- IAW 8260.19I, 1-1-5.F (12).
4. CHANGED PBN REQUIREMENTS NOTE FROM "RNP APCH." TO "RNP APCH - GPS" - IAW 8260.19I PARA 8-6-8B.(2).
5. DELETED PROFILE NOTE *LNAV ONLY - IAW 8260.19I, 1-1-5.F (12).
6. DELETED CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT YKN VOR/DME AIRWAY RADIALS 024 CW 175 - DUE TO VORMON REMOVAL OF YKN VOR/DME.

COORDINATED WITH:

A4A **ALPA** **AOPA** **APA** **HAI** **NBAA** **OTHER:** ZMP, SUX APP CON, AMGR

FLIGHT CHECKED BY

PROCESSED IAW TECHNICAL SUPPORT GROUP (AJF-17) MEMO DATED 07/07/2021 GUIDANCE FOR PROCEDURAL CHANGES REQUIRING FLIGHT INSPECTION/VALIDATION

OFFICE

DATE

Digitally signed by
JASON KRETSCHMER
Jan 20, 2023

DEVELOPED BY

JASON KRETSCHMER (ROBERT A. SWINSON)

Digitally signed by

JASON KRETSCHMER

Jan 20, 2023

OFFICE

AJV-A423

DATE

11/08/2022

APPROVED BY

JASON KRETSCHMER

Digitally signed by

JASON KRETSCHMER

Jan 20, 2023

OFFICE

AJV-A423

DATE

TITLE
MANAGER



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KVMR
RUNWAY	RW12
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W12A
LTP/FTP LATITUDE	424606.9520N
LTP/FTP LONGITUDE	0965625.5780W
LTP/FTP ELLIPSOIDAL HEIGHT	+03234
FPAP LATITUDE	424514.5410N
FPAP LONGITUDE	0965447.7490W
THRESHOLD CROSSING HEIGHT (TCH)	00037.5
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1496
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	726F9591

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+03490
FPAP ORTHOMETRIC HEIGHT	+03490

