

**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> KYKN	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 31	<u>ORIGINAL/AMENDMENT</u> 1A	<u>CITY</u> YANKTON	<u>STATE</u> SD		
<u>AIRPORT ELEVATION</u> 1306	<u>TDZE</u> 1285	<u>SUPERSEDED</u> RNAV (GPS) RWY 31	<u>ORIGINAL/AMENDMENT</u> 1	<u>DATED</u> 06/17/2021	<u>MAG VAR</u> 3E	<u>EPOCH YEAR</u> 2025
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 20 APRIL 2023	<u>REQUIRED EFFECTIVE DATE</u> 04/20/2023	<u>CANCEL/SUSPEND</u>		

**TERMINAL ROUTES**

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
OBERT	IAF	HUGAT	NOPT	TF	FB	1.00	280.45	8.62	3500
HARDS	IAF	HUGAT	NOPT	TF	FB	1.00	038.63	14.25	3500
HUGAT	IF/IAF	WINEL		TF	FB	1.00	316.89	7.41	3100
WINEL	FAF	ZIMUK/2.50 NM TO RW31		TF	FB	0.30	316.82	3.09	
ZIMUK/2.50 NM TO RW31		RW31	MAP	TF	FO	0.30	316.82	2.50	
RW31	MAP	1485 MSL		CA			316.82		
1485 MSL		YOTUS		DF	FO	1.00			3500

**MISSED APPROACH**

**MAP:**

LPV: DA  
 LNAV/VNAV: DA  
 LNAV: RW31

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 3500 DIRECT YOTUS AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3500.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**





**CHANGES - REASONS**

1. TERMINAL ROUTES: REMOVED FEEDER ROUTE FROM YKN VOR/DME TO HUGAT - VORMON DECOMMISSIONING YKN VORTAC.
2. REMOVED CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT YKN VOR/DME ON V250 SOUTHWEST BOUND - FEEDER ROUTE REMOVED DUE TO VORMON DECOMMISSIONING YKN VORTAC.
3. UPDATED CHART NOTE FROM "CIRCLING NA E RW20 AND NE RW31" TO "CIRCLING NA E OF RWY 20 AND NE OF RWY 31" - IAW 8260.19I PARA 8-6-11.O.5.C.
4. AMENDED CHART NOTE FROM "FOR INOPERATIVE ALS INCREASE LNAV/VNAV ALL CATS VISIBILITY TO 3/4 SM AND LNAV CAT C/D VISIBILITY TO 7/8 SM" TO "FOR INOPERATIVE ALS INCREASE LPV AND LNAV/VNAV ALL CATS VISIBILITY TO 3/4 SM AND LNAV VISIBILITY ALL CATS TO 1 SM" - VALUES UPDATED IAW 8260.3E TABLES 3-3-1, 3-3-3, AND 3-3-4.
5. UPDATED LTP/FTP LAT/LONG FROM "425441.5250N/0972246.7450W" TO "425441.5325N/0972246.7520W" - UPDATED AIRNAV DATA.
6. UPDATED CRC REMAINDER FROM "8D1DC212" TO "6FC9D5EF" - LTP/FTP LATITUDE/LONGITUDE UPDATED.

**COORDINATED WITH:**

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

**FLIGHT CHECKED BY**  
PENDING

*Digitally signed by*  
**JASON KRETSCHMER**  
Jan 25, 2023

**OFFICE**

**DATE**

**DEVELOPED BY**  
ALLAN WILL (JILL M. SUPPES)

*Digitally signed by*  
**JASON KRETSCHMER**

**OFFICE**  
AJV-A423

**DATE**  
11/04/2022

**APPROVED BY**  
ALLAN WILL

Jan 25, 2023  
*Digitally signed by*  
**JASON KRETSCHMER**  
Jan 25, 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	KYKN
RUNWAY	RW31
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W31A
LTP/FTP LATITUDE	425441.5325N
LTP/FTP LONGITUDE	0972246.7520W
LTP/FTP ELLIPSOIDAL HEIGHT	+03616
FPAP LATITUDE	425549.5450N
FPAP LONGITUDE	0972405.0990W
THRESHOLD CROSSING HEIGHT (TCH)	00050.8
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.50
LENGTH OFFSET	0896
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	6FC9D5EF

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+03873
FPAP ORTHOMETRIC HEIGHT	+03873

