

**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 13	<u>ORIGINAL/AMENDMENT</u> 1B	<u>CITY</u> YANKTON	<u>STATE</u> SD		
<u>AIRPORT ELEVATION</u> 1306	<u>TDZE</u> 1306	<u>SUPERSEDED</u> RNAV (GPS) RWY 13	<u>ORIGINAL/AMENDMENT</u> 1A	<u>DATED</u> 03/24/2022	<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> ROUTINE	<u>CANCEL/SUSPEND</u>		

**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>
TYNDA		ZODAP		TF	FB	1.00	094.30	6.42	4000
ZODAP	IAF	TUYBO	NOPT	TF	FB	1.00	047.41	6.80	4000
PUKIC	IAF	TUYBO	NOPT	TF	FB	1.00	172.79	5.92	4000
TUYBO	IF/IAF	YOTUS		TF	FB	1.00	136.64	6.01	3100
YOTUS	FAF	BACUS/2.50 NM TO RW13		TF	FB	0.30	136.70	2.99	
BACUS/2.50 NM TO RW13		RW13	MAP	TF	FO	0.30	136.70	2.50	
RW13	MAP	1556 MSL		CA			136.70		
1556 MSL		KUYEP		DF	FB	1.00			
KUYEP		ZUSBU		TF	FO	1.00	115.06	6.72	4000

**MISSED APPROACH**

**MAP:**

LPV: DA  
 LNAV: RW13

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 4000 DIRECT KUYEP AND ON TRACK 115.06 TO ZUSBU AND HOLD, CONTINUE CLIMB-IN-HOLD TO 4000.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**

QUALITY  
10  
CHECKED

PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF

(IAF)

2. HOLD NW TUYBO, LT, 136.64 INBOUND, 4000 FT. IN LIEU OF PT (IAF), MAX 6000.

3. FAF: 136.70FAF: YOTUSDIST FAF TO MAP: 5.49DIST FAF TO THLD: 5.49

4. MIN ALT: TUYBO 4000, YOTUS 3100, BACUS/2.50 NM TO RW13 2140

5. DIST TO THLD FROM OM:MM:IM:150 HAT:250 HAT: 0.64GS ANT:

6. MIN GP INCPT: 3100GP ALT AT PFAF : YOTUS 3100OM:MM:IM:

7. GP ANGLE: 3.0034:1: IS NOT CLEAR20:1: IS CLEARTCH: 44.5

8. MSA FROM: RW13 3500

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: CIRCLING NA E OF RWY 20 AND NE OF RWY 31.  
CHART NOTE: RWY 13 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.  
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).

ADDITIONAL FLIGHT DATA:

CHART CIRCLING ICON.  
HOLD NW, RT, 122.85 INBOUND.  
CHART FAS OBST: 1391 TREE (46-023329) 425529N/0972357W.  
1580 AAO 425837N/0973002W.  
CHART VDP AT 0.98 NM TO RW13.  
WAAS CHANNEL # 50400  
REFERENCE PATH ID: W13A  
LTP HAE: 372.4 M

MINIMUMS:

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT

ALTERNATE: NA ☐ STANDARD - CAT D 800-2 1/4, 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
LPV DA	1556	3/4	250	1556	3/4	250	1556	3/4	250	1556	3/4	250			
LNAV MDA	1660	1	354	1660	1	354	1660	1	354	1660	1	354			
CIRCLING	1760	1	454	1780	1	474	1980	2	674	1980	2 1/4	674			

CHANGES - REASONS

1. TERMINAL ROUTES: REMOVED FEEDER ROUTE FROM YKN VOR/DME TO TUYBO - VORMON DECOMMISSIONING YKN VORTAC.

QUALITY  
10  
CHECKED

**COORDINATED WITH:**

**A4A** ☒    **ALPA** ☒    **AOPA** ☒    **APA** ☐    **HAI** ☐    **NBAA** ☒    **OTHER:** ZMP, 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 25, 2023

**DEVELOPED BY**

ALLAN WILL (JILL M. SUPPES)

*Digitally signed by*

**JASON KRETSCHMER**

**OFFICE**

AJV-A423

**DATE**

10/31/2022

**APPROVED BY**

ALLAN WILL

Jan 25, 2023

*Digitally signed by*

**JASON KRETSCHMER**

**OFFICE**

AJV-A423

**DATE**

**TITLE**  
MANAGER

Jan 25, 2023



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KYKN
RUNWAY	RW13
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W13A
LTP/FTP LATITUDE	425527.4720N
LTP/FTP LONGITUDE	0972339.6675W
LTP/FTP ELLIPSOIDAL HEIGHT	+03724
FPAP LATITUDE	425419.4490N
FPAP LONGITUDE	0972221.3255W
THRESHOLD CROSSING HEIGHT (TCH)	00044.5
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0896
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	5E320FB0

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+03980
FPAP ORTHOMETRIC HEIGHT	+03980

