

**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> 1A	<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SUPERSEDED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> 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> 24 MARCH 2022	<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>
YKN VOR/DME		TUYBO		TF	FO	1.00	316.35	12.04	4000
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
16
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: 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}).
CHART NOTE: CIRCLING NA E RW20 AND NE RW31.

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. ADDED CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}). - VGSI TCH CHANGED FROM 44.5 TO 41.4/8260.19I, 8-6-9.M (1).
2. CHANGED ADDITIONAL FLIGHT DATA NOTE FROM CHART VDP AT 0.97 NM TO RW13 TO CHART VDP AT 0.98 NM TO RW13. - NEW TARGETS EVALUATION.
3. CHANGED ADDITIONAL FLIGHT DATA NOTE FROM LTP HAE: 372.5 M TO 372.4 M - AIRNAV DATA CHANGED.
4. CHANGED CRC REMAINDER FROM D848DA5A TO 5E320FB0 - LTP/FPAP COORDINATES UPDATED; AND LTP/FPAP ELLIPSOIDAL AND ORTHOMETRIC HEIGHTS UPDATED.
5. ARPT AND RWY THLD COORDINATES CHANGED FROM 425527.48N/0972339.67W 425500.10N/0972309.40W TO 425527.47N/0972339.67W 425500.04N/0972309.35W.

COORDINATED WITH:

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

FLIGHT CHECKED BY

SCOTT WIEBE

Digitally signed by

JON DENTON

Jan 03, 2022

OFFICE

FPO

DATE

12/29/2021

DEVELOPED BY

JON DENTON (KATHERINE EUBANKS)

Digitally signed by

JON DENTON

Jan 03, 2022

OFFICE

AJV-A432

DATE

10/14/2021

APPROVED BY

LONNIE EVERHART

Digitally signed by

JON DENTON

Jan 03, 2022

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	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

