

**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> 1	<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SUPERSEDED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> ORIG-A	<u>DATED</u> 03/15/2007	<u>MAG VAR</u> 3E	<u>EPOCH YEAR</u> 2025
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 17 JUNE 2021	<u>REQUIRED EFFECTIVE DATE</u> 06/17/2021	<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:**



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 FAF : 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 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.  
CHART 1580 AAO 425837N/0973002W.  
CHART VDP AT 0.97 NM TO RW13  
WAAS CHANNEL # 50400  
REFERENCE PATH ID: W13A  
LTP HAE: 372.5 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. CHANGED COURSE/DISTANCE FROM TYNDA TO ZODAP FROM 080.96/7.81 TO 094.30/6.42 IN TERMINAL ROUTES. - MOVED ZODAP TO 8260.58B CRITERIA.
2. CHANGED COURSE/DISTANCE FROM ZODAP TO TUYBO FROM 042.58/5.00 TO 047.41/6.80 IN TERMINAL ROUTES. - MOVED ZODAP TO 8260.58B CRITERIA.
3. CHANGED COURSE FROM PUKIC TO TUYBO FROM 168.79/5.92 TO 172.79 - MAG VAR CHANGED 3 DEGREES.
4. DELETED CHART NOTE: DME/DME RNP-0.3 NA AND ADDED PBN REQUIREMENTS NOTE: RNP APCH - GPS. - 8260.19I, 8-6-8B2.
5. DELETED CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA AND ADDED CHART NOTE: RWY 13 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. - 8260.19I, 8-6-11C3.
6. ADDED 20:1 IS CLEAR PROFILE LINE 7. - 8260.19I, 8-6-7G3A.
7. CHANGED CIRCLING MDA/HAA FROM CAT A 1780/474 TO 1760/454, CAT C 1780/474 TO 1980/674 AND CAT D FROM 1860/554 TO 1980/674. - NEW CIRCLING RADII APPLIED/NEW OBSTACLE EVALUATION/CIRCLING RESTRICTION APPLIED.
8. CHANGED CRC REMAINDER FROM: CF87671C TO: D848DA5A - TCH CHANGED.
9. CHANGED FPAP LAT/LONG FROM: 425419.4500N/0972221.3400W TO: 425419.4495N/0972221.3300W - UPDATED TARGETS EVALUATION/TCH CHANGED.
10. LOWERED LNAV MDA/HAT FROM 1700/394 TO 1660/354 - NEW OBSTACLE EVALUATION/SDF ADDED.
11. LOWERED LPV ALL CATS VISIBILITY FROM 1 TO 3/4 - NEW VISIBILITY EVALUATION.
12. LOWERED LNAV CAT D VISIBILITY FROM 1 1/4 TO 1 - NEW VISIBILITY EVALUATION.
13. MOVED BACKUP ALTIMETER NOT FROM 8260-3 TP REMARKS - WEATHER SOURCE ON WMSCR.
14. CHANGED ALTERNATE MINIMUMS FROM NA WHEN LOCAL WEATHER NOT AVAILABLE TO 800-2 1/4, NA WHEN LOCAL WEATHER NOT AVAILABLE - REQUIRED/CIRCLING CAT D VISIBILITY.

**COORDINATED WITH:**

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

**FLIGHT CHECKED BY**

PENDING

*Digitally signed by***DONALD H LANIER**

May 03, 2021

**OFFICE**

FICO

**DATE****DEVELOPED BY**

JON DENTON (THOR CORNELL)

*Digitally signed by***DONALD H LANIER**

May 03, 2021

**OFFICE**

AJV-A432

**DATE**

02/19/2021

**APPROVED BY**

LONNIE EVERHART

*Digitally signed by***DONALD H LANIER**

May 03, 2021

**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	425527.4750N
LTP/FTP LONGITUDE	0972339.6690W
LTP/FTP ELLIPSOIDAL HEIGHT	+03725
FPAP LATITUDE	425419.4495N
FPAP LONGITUDE	0972221.3300W
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	D848DA5A

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+03981
FPAP ORTHOMETRIC HEIGHT	+03981

