

**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</u> CHEYENNE COUNTY MUNI	<u>AIRPORT ID</u> KSYF	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 14	<u>ORIGINAL/AMENDMENT</u> ORIG-A	<u>CITY</u> ST FRANCIS	<u>STATE</u> KS
<u>AIRPORT ELEVATION</u> 3430	<u>TDZE</u> 3412	<u>SUPERSEDED</u> RNAV (GPS) RWY 14	<u>ORIGINAL/AMENDMENT</u> ORIG	<u>DATED</u> 02/28/2019	<u>MAG VAR</u> 6E
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 5 DECEMBER 2019	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>	<u>EPOCH YEAR</u> 2020

TAA

<u>FROM</u>	<u>FIX TYPE</u>	<u>TO</u>	<u>FIX TYPE</u>	<u>ALTITUDE</u>
1. 229/30 CW 049/30		WITVO	IF/IAF	6800
2. 049/30 CW 229/30	NOPT	WITVO	IF/IAF	6800

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>
WITVO	IF/IAF	ZAKEL		TF	FB	1.00	138.89	7.15	5200
ZAKEL	FAF	ZUDIN/2.57 NM TO RW14		TF	FB	0.30	138.94	2.95	
ZUDIN/2.57 NM TO RW14		RW14	MAP	TF	FO	0.30	138.94	2.57	
RW14	MAP	3662 MSL		CA			138.94		
3662 MSL		DIPME		DF	FO	1.00			6800

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW14

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 6800 DIRECT DIPME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 6800.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)

2. HOLD NW WITVO, RT, 138.89 INBOUND, 6800 FT. IN LIEU OF PT (IF/IAF), MAX 11000.

3. FAC: 138.94 FAF: ZAKEL DIST FAF TO MAP: 5.52 DIST FAF TO THLD: 5.52

4. MIN ALT: WITVO 6800, ZAKEL 5200, ZUDIN/2.57 NM TO RW14 4240*

5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 250 HAT: 0.70 GS ANT: MM: IM:

6. MIN GP INCPT: 5200 GP ALT AT FAF : ZAKEL 5200 OM: MM: IM:

7. GP ANGLE: 3.00 34:1: IS NOT CLEAR 20:1: IS CLEAR TCH: 50.0

8. MSA FROM:

PBN REQUIREMENTS NOTE:

RNP APCH.

NOTES:

CHART NOTE: CIRCLING NA TO RWYS 9, 27, 18, AND 36.
CHART NOTE: RWY 14 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -21°C OR ABOVE 54°C.

ADDITIONAL FLIGHT DATA:

CHART CIRCLING ICON.
CHART VDP AT 1.00 NM TO RW14*
*LNAV ONLY
WAAS CHANNEL #77942
REFERENCE PATH ID: W14A
CHART FAS OBST: 3505 TREE 394657N/1014954W.
HOLD SE, RT, 319.09 INBOUND
LTP HAE: 1010.2 M

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD - 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	3662	1	250	3662	1	250	3662	1	250		NA				
LNAV/VNAV DA	3662	1	250	3662	1	250	3662	1	250		NA				
LNAV MDA	3760	1	348	3760	1	348	3760	1	348		NA				
CIRCLING	3860	1	430	3880	1	450	3900	1 1/2	470		NA				

CHANGES - REASONS

1. CHANGED LPV CAT A, B, AND C VISIBILITY FROM 3/4 SM TO 1 SM. - UPDATED VIS CHECKER CALCULATIONS. THIS CANCELS FDC NOTAM 9/0305
2. CHANGED LNAV/VNAV CAT A, B, AND C VISIBILITY FROM 3/4 SM TO 1 SM. - UPDATED VIS CHECKER CALCULATIONS. THIS CANCELS FDC NOTAM 9/0305



COORDINATED WITH:

A4A ☐ **ALPA** ☒ **AOPA** ☒ **APA** ☐ **HAI** ☐ **NBAA** ☒ **OTHER:** ZDV ARTCC, KS STATE AERO, ARPT MGR

FLIGHT CHECKED BY

PROCESSED IAW AIRCRAFT OPERATIONS GROUP (AJW-33) MEMO, OCTOBER 3, 2018, SUBJECT:
FLIGHT INSPECTION REVIEW NOT REQUIRED

Digitally signed by

DONALD H LANIER

Jul 24, 2019

OFFICE**OFFICE**

AJV-A431

DATE**DATE**

06/05/2019

DEVELOPED BY

DONALD H. LANIER (MATTHEW FULKS)

Digitally signed by

DONALD H LANIER

Jul 24, 2019

APPROVED BY

GEORGE DAVIS

Digitally signed by

DONALD H LANIER

Jul 24, 2019

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	KSYF
RUNWAY	RW14
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W14A
LTP/FTP LATITUDE	394548.0545N
LTP/FTP LONGITUDE	1014759.8305W
LTP/FTP ELLIPSOIDAL HEIGHT	+10102
FPAP LATITUDE	394435.0215N
FPAP LONGITUDE	1014653.5435W
THRESHOLD CROSSING HEIGHT (TCH)	00050.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1224
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	1940768B

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+10334
FPAP ORTHOMETRIC HEIGHT	+10334

