

**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> BROOKINGS RGNL	<u>AIRPORT ID</u> KBKX	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 30	<u>ORIGINAL/AMENDMENT</u> ORIG-A	<u>CITY</u> BROOKINGS	<u>STATE</u> SD	
<u>AIRPORT ELEVATION</u> 1648	<u>TDZE</u> 1637	<u>SUPERSEDED</u> RNAV (GPS) RWY 30	<u>ORIGINAL/AMENDMENT</u> ORIG	<u>DATED</u> 09/18/2014	<u>MAG VAR</u> 3E	<u>EPOCH YEAR</u> 2015
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 25 FEBRUARY 2021	<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>
ASTOE		SEEPS		TF	FB	1.00	134.33	9.95	3500
SEEPS	IAF	REEKY		TF	FB	1.00	205.76	9.00	3500
FSD VORTAC	IAF	REEKY		TF	FB	1.00	011.30	34.83	3500
REEKY	IF	ZURPA		TF	FB	1.00	295.69	6.00	3300
ZURPA	FAF	RW30	MAP	TF	FO	0.30	295.58	5.08	
RW30	MAP	1887 MSL		CA			295.58		1887
1887 MSL		CYMOL		DF	FO	1.00			3500

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW30

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 3500 DIRECT CYMOL AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF (IAF)
2. PROFILE STARTS AT REEKY
3. FAC:

295.58

FAF: ZURPA

DIST FAF TO MAP: 5.08

DIST FAF TO THLD: 5.08
4. MIN ALT: REEKY 3500, ZURPA 3300
5. DIST TO THLD FROM OM:

MM:

IM:

150 HAT:

250 HAT: 0.64

GS ANT:
6. MIN GP INCPT:

3300

GP ALT AT FAF : ZURPA 3300

OM:

MM:

IM:
7. GP ANGLE:

3.00

34:1: IS CLEAR

20:1: IS CLEAR

TCH: 45.0
8. MSA FROM: RW30 3800

PBN REQUIREMENTS NOTE:

RNP APCH.

NOTES:

CHART NOTE: CIRCLING RWY 17 NA AT NIGHT.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -18°C OR ABOVE 54°C.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON FSD VORTAC AIRWAY RADIALS 319 CW 092.
CHART NOTE: RWY 30 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED

ADDITIONAL FLIGHT DATA:

CHART CIRCLING ICON
CHART 1932 TOWER 441644N/0964112W
CHART VDP AT 1.30 NM TO RW30*
*LNAV ONLY
WAAS CHANNEL #82736
REFERENCE PATH ID: W30A
FAS OBST: 1819 AAO 441659N/0964404W.
HOLD NW, RT, 115.35 INBOUND
LTP HAE: 473.5 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	1887	1	250	1887	1	250	1887	1	250	1887	1	250			
LNAV/VNAV DA	1968	1 1/8	331	1968	1 1/8	331	1968	1 1/8	331	1968	1 1/8	331			
LNAV MDA	2080	1	443	2080	1	443	2080	1 3/8	443	2080	1 3/8	443			
CIRCLING	2140	1	492	2160	1	512	2340	2	692	2340	2 1/4	692			

QUALITY
22
CHECKED

CHANGES - REASONS

1. RELOCATED BACKUP ALTIMETER NOTES - NOTES MOVED TO -9 FOR CONTINGENCY PURPOSES. IAW 8260.19H 8-6-9 F(3).
2. REMOVED DME/DME RNP 0.3 AND ADDED RNP APCH - UPDATED CRITERIA.
3. CHANGED CHART NOTE: "FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -18°C (0°F) OR ABOVE 54°C (130°F)" TO "FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -18°C OR ABOVE 54°C".- REMOVED FAHRENHEIT PER FAAO 8260.19H PARAGRAPH 8-6-9S.
4. CHANGED CHART NOTE: "HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED" TO ..."CHART NOTE: RWY 30 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED" - 8260.19H, 8-6-11, K(3).
5. REPLACED "NIGHT LANDING: RWY 17 NA" WITH "CIRCLING RWY 17 NA AT NIGHT" - UPDATED NOTE FORMAT IAW 9260.19H 8-6-11 O.(2)G.
6. CHANGED "CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON FSD VORTAC AIRWAY RADIALS 297 CW 092" TO CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON FSD VORTAC AIRWAY RADIALS 319 CW 092". V15 SEGMENT FROM FSD NW BOUND CANCELLED DUE TO VORMON.
7. DELETED PLANVIEW NOTE: "PROCEDURE NA FOR ARRIVALS AT ASTOE ON V26" - DUE TO HON VORMON, V26 REMOVAL.

COORDINATED WITH:

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

FLIGHT CHECKED BY

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

DEVELOPED BY

ALLAN WILL (ALEX BALLESTER MARTINEZ)

APPROVED BY

MARLON ROBINSON

OFFICE

OFFICE

OFFICE

DATE

DATE

DATE

Digitally signed by

ALLAN WILL

Dec 09, 2020

Digitally signed by

ALLAN WILL

Dec 09, 2020

Digitally signed by

ALLAN WILL

Dec 09, 2020

TITLE
MANAGER



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KBKX
RUNWAY	RW30
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W30A
LTP/FTP LATITUDE	441800.8030N
LTP/FTP LONGITUDE	0964826.5240W
LTP/FTP ELLIPSOIDAL HEIGHT	+04735
FPAP LATITUDE	441843.3150N
FPAP LONGITUDE	0965015.5710W
THRESHOLD CROSSING HEIGHT (TCH)	00045.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0928
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	A02BEF4C

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+04989
FPAP ORTHOMETRIC HEIGHT	+04989

