

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
RNAV - 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> KGZN	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 36	<u>ORIGINAL/AMENDMENT</u> 1	<u>CITY</u> CISCO	<u>STATE</u> TX		
<u>AIRPORT ELEVATION</u> 1711	<u>TDZE</u> 1711	<u>SUPERSEDED</u>	<u>ORIGINAL/AMENDMENT</u> ORIG	<u>DATED</u> 03/26/2020	<u>MAG VAR</u> 4E	<u>EPOCH YEAR</u> 2020
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 23 MARCH 2023	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE			

TAA

FROM	FIX TYPE	TO	FIX TYPE	ALTITUDE
267/30 CW 087/30	NOPT	267/15 CW 087/15		4000
267/15 CW 087/15		GROFF	IF/IAF	3700
087/30 CW 177/30		PEALS	IAF	4000
177/30 CW 267/30		JOPSA	IAF	3700

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
PEALS	IAF	GROFF	NOPT	TF	FB		086.52	6.10	3700
JOPSA	IAF	GROFF	NOPT	TF	FB		266.64	6.10	3700
GROFF	IF/IAF	HOOFS		TF	FB		356.58	6.56	3300
HOOFS	FAF	RW36	MAP	TF	FO		356.58	4.44	
RW36	MAP	1961 MSL		CA			356.58		
1961 MSL		ACTED		DF	FO				3500

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW36

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 3500 DIRECT ACTED AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS (DO NOT CHART):

PROFILE:

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

2. HOLD S GROFF, RT, 356.58 INBOUND, 3700 FT, IN LIEU OF PT (IAF), MAX 5300.
3. **FAC:** 356.58 **FAF:** HOOFS **DIST FAF TO MAP:** 4.44 **DIST FAF TO THLD:** 4.44
4. **MIN ALT:** GROFF 3700 HOOFS 3300
5. **DIST TO THLD FROM FAF:** **MM:** **IM:** **150 HAT:** **250 HAT:** 0.55
6. **MIN GP INCPT:** 3300 **GP ALT AT FAF:** 3300 **MM:** **IM:**
7. **GP ANGLE:** 3.24 **34:1:** IS NOT CLEAR **20:1:** IS NOT CLEAR **TCH:** 60.0
8. **MSA FROM:**

PBN EQUIPMENT REQUIREMENTS NOTES:

RNP APCH - GPS

NOTES:

CHART NOTE: CIRCLING NA E OF RWY 18-36.
CHART NOTE: BARO-VNAV NA WHEN USING EASTLAND ALTIMETER SETTING.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -18C OR ABOVE 54C.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE EASTLAND ALTIMETER SETTING AND INCREASE LPV DA TO 2023 FEET; INCREASE LNAV/VNAV DA TO 2249 FEET AND ALL VISIBILITIES 1/8 SM. INCREASE ALL MDAS 80 FEET AND LNAV VISIBILITY CAT C/D 1/4 SM, AND CIRCLING VISIBILITY CAT C 1/4 SM.
CHART NOTE: RWY 36 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
CHART SPEED ICON IN PLANVIEW AT GROFF: MAX 200 KIAS.

ADDITIONAL FLIGHT DATA:

HOLD N, RT 176.58 INBOUND.
CHART FAS OBST: 2026 TOWER (48-001197) 322105N/0990106W
WAAS CHANNEL #52885
REFERENCE PATH ID: W36A
LTP HAE (NAVD88): 493.3 M
NON-FAA PROCEDURE

MINIMUMS:
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT
ALTERNATE: NA ☐ STANDARD

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	1961	1	250	1961	1	250	1961	1	250	1961	1	250			
LNAV/VNAV DA	2187	1 3/8	476	2187	1 3/8	476	2187	1 3/8	476	2187	1 3/8	476			
LNAV MDA	2280	1	569	2280	1	569	2280	1 5/8	569	2280	1 5/8	569			
CIRCLING	2280	1	569	2280	1	569	2280	1 5/8	569	2280	2	569			

CHANGES - REASONS:

INCREASED 267/30 CW 087/30 TAA NOPT FROM 3900 TO 4000 - 2880 TOWER (48-015012) AND ABI ATCT MVA
INCREASED 267/15 CW 087/15 TAA STEPDOWN ARC FROM 3600 TO 3700 - 2676 WINDMILL (48-187248)
INCREASED 177/30 CW 267/30 TO JOPSA TAA FROM 3600 TO 3700 - CONGRUENT WITH 267/15 CW 087/15 TAA STEPDOWN ARC
CHANGED ALTIMETER SETTING NOTES FROM BRECKENRIDGE TO EASTLAND - KETN AWOS-3PT 10.9 NM CLOSER, ON WMSCR PER NWS AVIATION WEATHER CENTER, REDUCED SECONDARY
REMOTE ALTIMETER DA/MDA REQUIREMENT
REMOVED JOPSA AND PEALS MAX 200 KIAS SPEED ICON - CHANGED MAX 200 KIAS AT IF/IAF GROFF
ADDED CAT D MINIMUMS - AIRPORT REQUEST
INCREASED LNAV/VNAV DA/HAT FROM 2176/465 TO 2187/476 - ADDING CAT D MINIMUMS, 161 LEVEL SURFACE REQUIRED OBSTACLE CLEARANCE FOR 2026 TOWER (48-001197)
322105N/0990106W
REMOVED CIRCLING ICON REQUIREMENT
CHANGED ADDITIONAL FLIGHT DATA LTP HAE FROM 465.2 TO 493.3 METERS
CHANGED LTP AND FPAP ORTHOMETRIC HEIGHT FROM 465.2 TO 521.5 METERS - SURVEYED THRESHOLD NAVD88 VERTICAL DATUM

THIS CANCELS FDC 2/ 5193

COORDINATED WITH:

A4A ☒ ALPA ☒ AOPA ☒ APA ☐ HAI ☒ NBAA ☒ OTHER: ZFW, ABI ATCT, AMGR

FLIGHT CHECKED BY

CHRISTIAN F BAUR

Chris Baur Digitally signed by Chris Baur
Date: 2022.10.12 21:27:53 -07'00'

OFFICE

HAC

DATE

08/24/2022

DEVELOPED BY

ROBERT ABBOTT

Robert Abbott Digitally signed by Robert Abbott
Date: 2022.10.12 21:28:04 -07'00'

OFFICE

HAC

DATE

04/06/2022

APPROVED BY

BRIAN BERUBEE

Brian Berubee Digitally signed by Brian Berubee
Date: 2022.12.14 18:42:08 -07'00'

OFFICE

HAC

DATE

12/14/2022

TITLE

CHIEF DESIGNER

FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KGZN
RUNWAY	RW36
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W36A
LTP/FTP LATITUDE	322124.6985N
LTP/FTP LONGITUDE	0990125.6355W
LTP/FTP ELLIPSOIDAL HEIGHT	+04933
FPAP LATITUDE	322253.9755N
FPAP LONGITUDE	0990124.5740W
THRESHOLD CROSSING HEIGHT (TCH)	00060.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.24
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0760
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
 <u>CRC REMAINDER</u>	 E11C6C6F

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+005215
FPAP ORTHOMETRIC HIEGHT	+005215