

**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 (RNP) Z RWY 18	<u>ORIGINAL/AMENDMENT</u> 2	<u>CITY</u> CISCO	<u>STATE</u> TX		
<u>AIRPORT ELEVATION</u> 1711	<u>TDZE</u> 1711	<u>SUPERSEDED</u>	<u>ORIGINAL/AMENDMENT</u> 1A	<u>DATED</u> 12/05/2019	<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

<u>FROM</u>	<u>FIX TYPE</u>	<u>TO</u>	<u>FIX TYPE</u>	<u>ALTITUDE</u>
087/30 CW 267/30	NOPT	ACTED	IF/IAF	3500
267/30 CW 357/30		ODORE	IAF	3500
357/30 CW 087/30		MAZES	IAF	4000

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>
ODORE	IAF	ACTED	NOPT	TF	FB	1.00	266.64	6.10	3500
MAZES	IAF	ACTED	NOPT	TF	FB	1.00	086.52	6.10	3500
ACTED	IF/IAF	CASIG		TF	FB	1.00	176.58	6.14	3300
CASIG	PFAF	RW18	MAP	TF	FO	0.30	176.58	4.86	
RW18	MAP	1990 MSL		CA			176.58		
1990 MSL		GROFF		DF	FO	1.00			3700

MISSED APPROACH

MAP:

RNP: DA

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 3700 DIRECT GROFF AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS (DO NOT CHART):

PROFILE:

1. PT **SIDE OF COURSE** **OUTBOUND** **FT WITHIN** **MILES OF** **(IAF)**
2. HOLD N ACTED, RT, 176.58 INBOUND, 3500 IN LIEU OF PT (IAF), MAX 5000
3. **FAC:** 176.58 **PFAF:** CASIG **DIST PFAF TO MAP:** **DIST PFAF TO THLD:**
4. **MIN ALT:** ACTED 3500, CASIG 3300

5. DIST TO THLD FROM PFAF: 4.86 MM: IM: 150 HAT: 279 HAT: 0.75

6. MIN GP INCPT: 3300 GP ALT AT PFAF: 3300 MM: IM:

7. GP ANGLE: 3.00 34:1: IS NOT CLEAR 20:1: IS CLEAR TCH: 45.1

8. MSA FROM:

PBN EQUIPMENT REQUIREMENTS NOTES:

RNP AR APCH - GPS

NOTES:

CHART NOTE: PROCEDURE NA FOR AIRCRAFT WITH WINGSPAN GREATER THAN 136 FEET.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -18C OR ABOVE 54C.
CHART SPEED ICON IN PLANVIEW AT ACTED: MAX 200 KIAS.

ADDITIONAL FLIGHT DATA:

HOLD S, RT 356.58 INBOUND
CHART 1896 TOWER (48-011915) 322204N/0990032W, 2026 TOWER (48-001197) 322105N/0990106W
NON-FAA PROCEDURE

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD

CATEGORY:

FINAL TYPE	DA/MDA	A VIS	HAT/HAA	DA/MDA	B VIS	HAT/HAA	DA/MDA	C VIS	HAT/HAA	DA/MDA	D VIS	HAT/HAA	DA/MDA	E VIS	HAT/HAA
RNP 0.30 DA	1990	1	279	1990	1	279	1990	1	279	2011	1	300			

AUTHORIZATION REQUIRED

CHANGES - REASONS:

INCREASED MISSED APPROACH CLIMB TO ALTITUDE AT GROFF FROM 3600 TO 3700 - GROFF MINIMUM IF/IAF ALTITUDE INCREASED TO 3700
UPDATED PBN EQUIPMENT REQUIREMENTS NOTES TO RNP AR APCH - GPS - ORDER 8260.19, PARA 8-6-8.B.(1)
REMOVED MAZES AND ODORE MAX 200 KIAS SPEED ICON - CHANGED MAX 200 KIAS AT IF/IAF ACTED
REDUCED CATEGORY A-C DA/HAT FROM 2053/342 TO 1990/279 - MISSED APPROACH EVALUATION
ADDED CAT D MINIMUMS - AIRPORT REQUEST
CHANGED VISIBILITY FROM 1 1/8 TO 1 SM - 8260.3. TABLE 3-3-1
REMOVED LOCAL ALTIMETER SETTING NOT RECEIVED NOTE - REMOTE ALTIMETER USE NOT AUTHORIZED/REQUIRED
REMOVED HELICOPTER VISIBILITY REDUCTION NOTE - 8260.19, PARA 8-6-11.K.(3)

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 22:44:34 -07'00'

OFFICE

HAC

DATE

08/24/2022

DEVELOPED BY

ROBERT ABBOTT

Robert Abbott Digitally signed by Robert Abbott
Date: 2022.10.12 22:44:45 -07'00'

OFFICE

HAC

DATE

04/06/2022

APPROVED BY

BRIAN BERUBEE

Brian Berubee Digitally signed by Brian Berubee
Date: 2022.12.14 18:58:30 -07'00'

OFFICE

HAC

DATE

12/14/2022

TITLE

CHIEF DESIGNER