

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> FRANK FEDERER MEMORIAL	<u>AIRPORT ID</u> M36	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 20	<u>ORIGINAL/AMENDMENT</u> ORIG-B	<u>CITY</u> BRINKLEY	<u>STATE</u> AR
<u>AIRPORT ELEVATION</u> 195	<u>TDZE</u> 194	<u>SUPERSEDED</u> RNAV (GPS) RWY 20	<u>ORIGINAL/AMENDMENT</u> ORIG-A	<u>DATED</u> 06/08/2006	<u>MAG VAR</u> 2E
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>	<u>EPOCH YEAR</u> 1995

TAA

<u>FROM</u>	<u>FIX TYPE</u>	<u>TO</u>	<u>FIX TYPE</u>	<u>ALTITUDE</u>
1. 114/30 CW 294/30	NOPT	LEYXO	IF/IAF	2800
2. 294/30 CW 024/30		ICXAV	IAF	2800
3. 024/30 CW 114/30		YOKOJ	IAF	2800

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>
ICXAV	IAF	LEYXO	NOPT	TF	FB	1.00	293.90	5.00	2800
YOKOJ	IAF	LEYXO	NOPT	TF	FB	1.00	113.86	5.00	2800
LEYXO	IF/IAF	OMILE		TF	FB	1.00	203.91	5.45	2000
OMILE	FAF	RW20	MAP	TF	FO	0.30	203.88	5.55	
RW20	MAP	595 MSL		CA			203.88		
595 MSL		OZLUR		DF	FO	1.00			2800

MISSED APPROACH

MAP:

LNAV: RW20

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 2800 DIRECT OZLUR AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF (IAF)

2. HOLD NE LEYXO, RT, 203.91 INBOUND, 2800 FT. IN LIEU OF PT (IAF), MAX 8000.

3. FAC: 203.88FAF: OMILEDIST FAF TO MAP: 5.55DIST FAF TO THLD: 5.55

4. MIN ALT: LEYXO 2800, OMILE 2000

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

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

7. GP ANGLE:34:1: IS NOT CLEAR20:1: IS NOT CLEARTCH:

8. MSA FROM:

PBN REQUIREMENTS NOTE:

RNP APCH.

NOTES:

CHART NOTE: PROCEDURE NA AT NIGHT.
CHART NOTE: RWY 20 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.
CHART NOTE: USE STUTTGART MUNI ALTIMETER SETTING.

ADDITIONAL FLIGHT DATA:

CHART STUTTGART AWOS-3
OMILE TO RW20: 3.00/45.
FAS OBST: 410 AAO 345709N/0910706W.
HOLD SW, RT, 023.85 INBOUND

MINIMUMS:

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

ALTERNATE: NA ☒

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
LNAV MDA	1020	1	826	1020	1 1/4	826	1020	2 1/2	826		NA				
CIRCLING	1120	1 1/4	925	1120	1 1/4	925	1120	2 3/4	925		NA				

CHANGES - REASONS

1. ADDED CHART NOTE: PROCEDURE NA AT NIGHT - FDC 8/1987, 20:1 PENETRATIONS.
2. ADDED CHART NOTE: RWY 20 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED - FDC 8/1987, 20:1 PENETRATIONS.
3. DELETED NOTE: DME/DME RNP-0.3 NA AND REPLACED WITH PBN EQUIPMENT REQUIREMENT NOTE: RNP APCH- IAW 8260.19H PARAGRAPH 8-6-8 B(1).
4. CHANGED INTERMEDIATE SEGMENT RNP VALUE FROM 0.50 TO 1.00 - IAW 8260.58A TABLE 1-2-1.
5. ADDED DIST FAF TO MAP 5.55 - CHARTING REQUIREMENT.



COORDINATED WITH:

A4A ☐ **ALPA** ☐ **AOPA** ☒ **APA** ☒ **HAI** ☐ **NBAA** ☒ **OTHER:** AIRPORT MANAGER, STATE AVIATION DIRECTOR, ZME

FLIGHT CHECKED BY

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

OFFICE

Digitally signed by

DATE

WARDELL HENNING

Feb 25, 2019

DEVELOPED BY

WARDELL HENNING (MICHAEL W HARRIS)

Digitally signed by

WARDELL HENNING

Feb 25, 2019

OFFICE

AJV-A432

DATE

11/05/2018

APPROVED BY

PATRICK MULQUEEN

Digitally signed by

WARDELL HENNING

Feb 25, 2019

OFFICE

AJV-A43

DATE

TITLE

MANAGER



FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD

AIRPORT	AIRPORT ID	PROCEDURE NAME	AMDT NO.	CITY	STATE	AIRPORT ELEVATION	FACILITY
FRANK FEDERER MEMORIAL	M36	RNAV (GPS) RWY 20	ORIG-B	BRINKLEY	AR	195	RNAV

PART A: OBSTRUCTION DATA SEGMENTS

STRAIGHT-IN AREA

FROM
114/30 CW 294/30

TO
LEYXO

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>			<u>HMAS</u>				
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
1.TOWER (04-1278)	352253.00N/0913130.00W	1027	500	50	5D	1000				AT773	2800
2.TERRAIN	352318.00N/0913136.00W	729 (700)								AS1500	2200

COMPUTATIONS	ALT	KIAS	KTAS	HAA	VKTW	TR	BA	DTA	COURSE CHANGE	DVEB	VEB OCS	RF CENTER FIX/DISTANCE
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SEGMENT REMARKS:

LEFT BASE AREA

FROM
294/30 CW 024/30

TO
ICXAV

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>			<u>HMAS</u>				
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
3.TOWER (04-1245)	344538.00N/0904247.00W	720	20	3	1A	1000				AT1080	2800
4.TERRAIN	343830.00N/0904042.00W	409 (400)								AS1500	1900

COMPUTATIONS	ALT	KIAS	KTAS	HAA	VKTW	TR	BA	DTA	COURSE CHANGE	DVEB	VEB OCS	RF CENTER FIX/DISTANCE
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SEGMENT REMARKS:



INITIAL

FROM
YOKOJ

TO
LEYXO

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>			<u>HMAS</u>				
	5.00										
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
9.TOWER (04-6040)	350242.00N/0910751.00W	368	250	50	4D	1000				DG1432	2800
10.TERRAIN	350330.00N/0910754.00W	219 (200)								AS1500	1700

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INTERMEDIATE

FROM
LEYXO (IF/IAF)

TO
OMILE

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>			<u>HMAS</u>				
	5.45										
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
9.TOWER (04-6040)	350242.00N/0910751.00W	368	250	50	4D	500				DG1132	2000
11.TERRAIN	345954.00N/0910848.00W	229 (200)								AS1500	1700

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



MISSED APPROACH : LNAV

FROM

RW20

TO

OZLUR

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>			<u>HMAS</u> 426				
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
							ASC				2800
15.TOWER (05-001070)	344755.00N/0911122.00W	590	500	50	5D	1000					1600
16.TERRAIN	345239.00N/0911145.00W	213 (200)								AS1500	1700

COMPUTATIONS	ALT	KIAS	KTAS	HAA	VKTW	TR	BA	DTA	COURSE CHANGE	DVEB	VEB OCS	RF CENTER FIX/DISTANCE
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SEGMENT REMARKS:

CIRCLING

☐ ALL CATS

☒ CAT A

☒ CAT B

☒ CAT C

☐ CAT D

☐ CAT E

☐ NOT AUTHORIZED

OBSTRUCTION	COORDINATES	RADIUS	HAA	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
CATEGORY A											
17.TOWER (04-0278)	345309.00N/0911210.00W	1.30	925	693	250	50	4D	300		RA64/AC50	1120
CATEGORY B											
17.TOWER (04-0278)	345309.00N/0911210.00W	1.50	925	693	250	50	4D	300		RA64/AC50	1120
CATEGORY C											
17.TOWER (04-0278)	345309.00N/0911210.00W	1.70	925	693	250	50	4D	300		RA64/AC50	1120

CIRCLING REMARKS:

CENTER

RADIUS

MSA REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:



<u>AIRPORT</u>	<u>AIRPORT ID</u>	<u>PROCEDURE NAME</u>	<u>AMDT NO.</u>	<u>CITY</u>	<u>STATE</u>	<u>AIRPORT ELEVATION</u>	<u>FACILITY</u>
FRANK FEDERER MEMORIAL	M36	RNAV (GPS) RWY 20	ORIG-B	BRINKLEY	AR	195	RNAV



PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH
ZME ARTCC

<u>WX SERVICE</u> AWOS	<u>LOCATION</u> KSGT	<u>HRS OPERATION</u> 24	<u>ALTIMETER SOURCE</u> KSGT	<u>DISTANCE</u> 25.9	<u>SERVICE-A</u> Y	<u>ADJUSTMENTS</u> 64
<u>BACK-UP WX SERVICE</u>	<u>LOCATION</u>	<u>HRS OPERATION</u>	<u>ALTIMETER SOURCE</u>	<u>DISTANCE</u>	<u>SERVICE-A</u>	<u>ADJUSTMENTS</u>

WX REMARKS:
RASS PRESSURE PATTERNS THE SAME
KM36 195.3, KSGT 224.4
RA = 63.7.

<u>PRIMARY NAVAID</u>	<u>MONITOR POINT</u>	<u>HRS OPERATION</u>	<u>CAT</u>
<u>APPROACH AND RUNWAY LIGHTING SYSTEM</u>		<u>RUNWAY MARKINGS</u>	<u>RUNWAY VISUAL RANGE</u>
RW02 - MIRL (PCL), PAPI-2L		NPI-F	
RW20 - MIRL (PCL), PAPI-2L		NPI-F	

<u>GLIDESLOPE ANGLE</u>	<u>ELEV RWY THRESHOLD</u>	<u>TCH</u>	<u>ELEV GS ANTENNA</u>	<u>DISTANCE FROM RWY</u>	<u>VGSI ANGLE</u> 3.00	<u>TCH</u> 45.0
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FINAL APPROACH COURSE AIMING

RUNWAY THRESHOLD	<input checked="" type="checkbox"/>	FT FROM THRESHOLD	DISPLACED THRESHOLD DISTANCE	149.555
ON CENTERLINE	<input checked="" type="checkbox"/>	FT FROM CENTERLINE		

CRITICAL TEMPERATURES

<u>CRITICAL LOW</u>	<u>CRITICAL HIGH</u>	<u>ACT</u>	<u>APT ISA</u>
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CRITICAL TEMPERATURE REMARKS:



"VISUAL PORTION OF FINAL" PENETRATIONS

Final Type	CIRCLING RWY 02
20:1	
256 TREE (05-062405) 345221.46N/0911048.36W (9.67)	
229 TREE (05-062263) 345228.09N/0911050.66W (8.67)	
Final Type	RWY 20
20:1	
252 TREE (05-062268) 345309.55N/0911019.80W (42.91)	
250 TREE (05-070434) 345312.94N/0911017.13W (20.64)	
264 TREE (05-062623) 345319.08N/0911020.67W (13.13)	
264 TREE (05-062127) 345317.00N/0911014.46W (11.32)	
258 TREE (05-070433) 345316.82N/0911016.10W (9.12)	
257 TREE (05-062624) 345318.24N/0911019.63W (8.06)	
263 TREE (05-062258) 345319.33N/0911018.59W (7.22)	
223 TREE (05-062213) 345311.58N/0911020.04W (5.11)	
261 TREE (05-062130) 345318.64N/0911014.46W (0.86)	
Final Type	RWY 20
34:1	
263 TREE (05-062131) 345319.13N/0911013.13W (28.89)	
255 TREE (05-062136) 345317.87N/0911013.11W (24.24)	
261 TREE (05-062132) 345319.63N/0911011.87W (24.2)	
247 TREE (05-062622) 345320.33N/0911020.84W (17.91)	
240 TREE (05-062128) 345315.94N/0911014.94W (16.36)	
247 TREE (05-062626) 345320.64N/0911019.59W (15.74)	
247 TREE (05-062625) 345320.41N/0911018.23W (14.91)	
247 TREE (05-062129) 345319.71N/0911014.81W (13.13)	
222 TREE (05-062214) 345312.46N/0911019.14W (12.16)	
223 TREE (05-062309) 345316.86N/0911021.26W (3.64)	
203 TREE (05-070579) 345310.88N/0911022.84W (1.33)	
193 VEGETATION (05-062242) 345308.10N/0911024.91W (0.99)	

HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS

and/or
5280-FT "PROCEED VFR" SEGMENT LEVEL SURFACE AREA PENETRATIONS

PART C: GENERAL REMARKS:
VDP NOT ESTABLISHED- 20:1 PENETRATIONS/ REMOTE ALTIMETER IN USE.
ORDER 8260.3, VOLUME 1, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.



PART D: AIRSPACE

DOCKET #

ALL DISTANCES TO 1/100NM; ELEVATION TO NEAREST 100 FEET; COORDINATES TO 1/100 SECOND; DEG TO 1/100 DEGREE

DISTANCE FROM	THLD	TO 1000FT POINT	2.88
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	1.58
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	205.85
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	214
DISTANCE FROM	THLD	TO 1500FT POINT	4.95
WIDTH OF	FINAL	SEGMENT AT 1500FT POINT	1.94
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1500FT POINT	205.85
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1500FT POINT	214

THRESHOLD
COORDINATES
(IF STR-IN) 345305.49N/0911025.49W

ARP COORDINATES 345249.00N/0911035.20W

RUNWAY APCH END
AND DIST FURTHEST
FROM ARP RUNWAY 20 DISTANCE 0.34 NM

FAF
COORDINATES 345805.62N/0910728.81W

FIX NAME
COORDINATES

REMARKS

NO ADDITIONAL AIRSPACE REQUIRED.
THLD DISPLACED 149.555FT, ACTUAL COORDINATES: 345306.82N/0911024.71W.



<u>AIRPORT</u> FRANK FEDERER MEMORIAL	<u>AIRPORT ID</u> M36	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 20	<u>AMDT NO.</u> ORIG-B	<u>CITY</u> BRINKLEY	<u>STATE</u> AR	<u>AIRPORT ELEVATION</u> 195	<u>FACILITY</u> RNAV
PART E: PREPARED BY							
<u>NAME</u> WARDELL HENNING (MICHAEL W HARRIS)			<u>OFFICE</u> AJV-A432		<u>DATE</u> 11/05/2018	<u>TITLE</u> AERONAUTICAL INFORMATION SPECIALIST	

QUALITY
41
CHECKED

FAA Form 8260-9 / (11/16) Supersedes Previous Edition

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Page 10 of 10