

**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 ID</u> KJWG	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 17	<u>ORIGINAL/AMENDMENT</u> ORIG-B	<u>CITY</u> WATONGA	<u>STATE</u> OK		
<u>AIRPORT ELEVATION</u> 1551	<u>TDZE</u> 1551	<u>SUPERSEDED</u> RNAV (GPS) RWY 17	<u>ORIGINAL/AMENDMENT</u> ORIG-A	<u>DATED</u> 07/21/2016	<u>MAG VAR</u> 7E	<u>EPOCH YEAR</u> 1990
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>		

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
CAMAR		ASEHU		TF	FO	1.00	085.12	41.94	4000
ODINS		ASEHU		TF	FO	1.00	347.96	21.70	4000
ASEHU	IF/IAF	EFOCI		TF	FB	1.00	173.00	6.51	3200
EFOCI	FAF	RW17	MAP	TF	FO	0.30	173.00	4.99	
RW17	MAP	1951 MSL		CA			173.00		
1951 MSL		ASEHU		DF	FO	1.00			4000

MISSED APPROACH

MAP:

LNAV: RW17

MISSED APPROACH INSTRUCTIONS:

CLIMBING LEFT TURN TO 4000 DIRECT ASEHU AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

- 1. PT **SIDE OF COURSE** **OUTBOUND** **FT WITHIN** **MILES OF** (IAF)
- 2. HOLD N ASEHU, RT, 173.00 INBOUND, 4000 FT. IN LIEU OF PT (IAF), MAX 6000.
- 3. **FAC:** 173.00 **FAF:** EFOCI **DIST FAF TO MAP:** 4.99 **DIST FAF TO THLD:** 4.99
- 4. **MIN ALT:** ASEHU 4000, EFOCI 3200
- 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 CLEAR **20:1:** IS CLEAR **TCH:**
- 8. **MSA FROM:** RW17 3500

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE CLINTON ALTIMETER SETTING AND INCREASE ALL MDA 100 FEET; INCREASE LNAV CAT C VISIBILITY 3/8 SM AND CIRCLING CAT C VISIBILITY 1/4 SM.

ADDITIONAL FLIGHT DATA:

EFOCI TO RW17: 3.04/40
 1799 AAO 355651N/0982627W
 CHART FAS OBST: 1769 TREE 355435N/0982424W.

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	2060	1	509	2060	1	509	2060	1 3/8	509		NA				
CIRCLING	2060	1	509	2240	1	689	2240	2	689		NA				

CHANGES - REASONS

1. TERMINAL ROUTES: DELETED IFI VORTAC FEEDER - IFI VOR MON.
2. DELETED NOTE DME/DME RNP-0.3 NA, ADD PBN REQUIREMENTS NOTE RNP APCH -GPS - CRITERIA CHANGE.
3. LNAV CAT C VISIBILITY LOWERED FROM 1 1/2 TO 1 3/8 - TABLE 3-3-1 VALUE.
4. BACKUP ALTIMETER SETTING NOTE CHANGED FROM WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE CLINTON ALTIMETER SETTING AND INCREASE ALL MDA 100 FEET; INCREASE ALL CAT C VISIBILITIES 1/4 SM TO WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE CLINTON ALTIMETER SETTING AND INCREASE ALL MDA 100 FEET; INCREASE LNAV CAT C VISIBILITY 3/8 SM AND CIRCLING CAT C VISIBILITY 1/4 SM. - LNAV CAT C VISIBILITY CHANGE.
5. PROFILE LINE 2: ADDED MAX 6000 - REQUIRED BY CRITERIA.
6. INCORPORATED CHANGES FROM PREVIOUS P-NOTAMS INTO THE FORM - REQUIRED BY CRITERIA.



COORDINATED WITH:

A4A **ALPA** **AOPA** **APA** **HAI** **NBAA** **OTHER:** ZKC, END APCH CON, AMGR

FLIGHT CHECKED BY

PROCESSED IAW AIRCRAFT OPERATIONS GROUP (AJF-10) MEMO, APRIL 29, 2020, SUBJECT:
FLIGHT INSPECTION REVIEW NOT REQUIRED

OFFICE

DATE

Digitally signed by

DEVELOPED BY

RICHARD K. CLARK JR.

Digitally signed by

RICHARD K CLARK-JR

Jun 30, 2021

LONNIE EVERHART

Jul 06, 2021

OFFICE

AJV-A432

DATE

06/22/2021

APPROVED BY

LONNIE EVERHART

Digitally signed by

LONNIE EVERHART

Jul 06, 2021

OFFICE

AJV-A430

DATE

TITLE
MANAGER



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

<u>AIRPORT ID</u> KJWG	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 17	<u>AMDT NO.</u> ORIG-B	<u>CITY</u> WATONGA	<u>STATE</u> OK	<u>AIRPORT ELEVATION</u> 1551	<u>FACILITY</u> RNAV
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PART A: OBSTRUCTION DATA SEGMENTS

FEEDER

FROM CAMAR **TO** ASEHU

RNP DISTANCE PAT MAP HAT HMAS
41.94

<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>
TOWERS 2 (37-0454)	360836.00N/0991643.00W	2568	500	50	5D	1000				AT432	4000
TERRAIN	360924.00N/0991615.00W	2258 (2300)								AS1500	3800

COMPUTATIONS

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

SEGMENT REMARKS:

FEEDER

FROM ODINS **TO** ASEHU

RNP DISTANCE PAT MAP HAT HMAS
21.70

<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>
AAO	354100.00N/0982730.00W	1998	164	98	4E	1000				AT1002	4000
TERRAIN	354209.00N/0982748.00W	1756 (1800)								AS1500	3300

COMPUTATIONS

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

SEGMENT REMARKS:



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HOLD-IN-LIEU OF PT

FROM
ASEHU **TO**
P-5

RNP **DISTANCE** **PAT**
P-5 **MAP** **HAT** **HMAS**

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (40-002330)	360338.14N/0982942.28W	2083	250	50	4D	1000				AT917	4000
TERRAIN	360257.00N/0982921.00W	1699 (1700)								AS1500	3200

COMPUTATIONS

ALT **KIAS** **KTAS** **HAA** **VKTW** **TR** **BA** **DTA** **COURSE CHANGE** **DVEB** **VEB OCS** **RF CENTER FIX/DISTANCE**

SEGMENT REMARKS:

MISSED APPROACH : LNAV

FROM
RW17 **TO**
ASEHU

RNP **DISTANCE** **PAT** **MAP** **HAT** **HMAS**
1810

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				4000
AAO	360257.00N/0982921.00W	1899	50	20	2C	1000					2900
TERRAIN	360257.00N/0982921.00W	1699 (1700)								AS1500	3200

COMPUTATIONS

ALT **KIAS** **KTAS** **HAA** **VKTW** **TR** **BA** **DTA** **COURSE CHANGE** **DVEB** **VEB OCS** **RF CENTER FIX/DISTANCE**

SEGMENT REMARKS:



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CIRCLING ALL CATS CAT A CAT B CAT C CAT D CAT E NOT AUTHORIZED

<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>RADIUS</u>	<u>HAA</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
CATEGORY A											
ELEVATOR (37-2886)	355037.16N/0982507.26W	1.30	509	1694	250	50	4D	300		AC50	2060
CATEGORY B											
TOWER (37-0093)	355012.00N/0982437.00W	1.50	689	1879	250	50	4D	300		AC50	2240
CATEGORY C											
TOWER (37-0093)	355012.00N/0982437.00W	1.70	689	1879	250	50	4D	300		AC50	2240

CIRCLING REMARKS:

MSA

CENTER

RW17

RADIUS

25

<u>SECTOR</u>	<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>BEARING</u>	<u>DISTANCE</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
360-360	TWR (37-1593)	355209.00N/0985903.00W	263	27.5	2478	500	50	5D	1000			3500

MSA REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:

TAA NOT DEVELOPED PER FPT.
100' VEGETATION PER FPT.



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

PENETRATIONS REMARKS:

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PART C: GENERAL REMARKS:

VDP NOT ESTABLISHED - ABBREVIATED AMENDMENT, PREVIOUS 20:1 PENETRATIONS..
PRECIPITOUS TERRAIN EVALUATION COMPLETED.
ORDER 8260.3 CHAPTER 2 APPLIED TO 1799 AAO 355651.00N-0982627.00W



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RNAV

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	3.32
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	1.20
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	180.00
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	1700
DISTANCE FROM	THLD	TO 1500FT POINT	4.99
WIDTH OF	FINAL	SEGMENT AT 1500FT POINT	2.13
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1500FT POINT	180.00
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1500FT POINT	1700

**THRESHOLD
COORDINATES** 355212.21N/0982514.73W
(IF STR-IN)

ARP COORDINATES 355152.40N/0982514.70W

**RUNWAY APCH END
AND DIST FURTHEST
FROM ARP** RUNWAY 35 DISTANCE 0.34 NM

**FAF
COORDINATES** 355711.90N/0982514.72W

**FIX NAME
COORDINATES**

REMARKS
NO ADDITIONAL AIRSPACE REQUIRED



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FACILITY
RNAV

PART E: PREPARED BY

NAME
RICHARD K. CLARK JR.

OFFICE
AJV-A432

DATE
06/22/2021

TITLE
AERONAUTICAL INFORMATION SPECIALIST

