

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
ILS STANDARD INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.29**

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.

AIRPORT ID EAT	PROCEDURE NAME ILS Z RWY 12	ORIGINAL/AMENDMENT 1	CITY WENATCHEE	STATE WA		
AIRPORT ELEVATION 1249	TDZE 1225	SUPERSEDED ILS Z RWY 12	ORIGINAL/AMENDMENT ORIG	DATED 11/10/2016	MAG VAR 15E	EPOCH YEAR 2020
FACILITY I-ADJ	COORDINATES OF FACILITIES	ACTUAL EFFECTIVE DATE	REQUIRED EFFECTIVE DATE ROUTINE	CANCEL/SUSPEND		

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
FITGA/EAT R-257/24.00 DME CW	IAF	KADGE/EAT 24.00 DME					24.00 DME ARC		10500
KADGE/EAT R-285/24.00 DME CW		BRELD/I-ADJ 24.87 DME					24.00 DME ARC	(EAT LR-295)	8700
BRELD/I-ADJ 24.87 DME	IF	EWJOR/I-ADJ 15.77 DME	PFAF				120.02	9.11 (I-ADJ)	6800
EWJOR/I-ADJ 15.77 DME	PFAF	RW12	MAP		FO		120.02	14.45	
RW12	MAP	1555 MSL		CA			120.02		
1555 MSL		MODPE		DF	FB	1.00			
MODPE		COYYA		TF	FO	1.00	098.47	12.83	5000

MISSED APPROACH

MAP:
ILS: DA

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 5000 DIRECT MODPE AND ON TRACK 098.47 TO COYYA AND HOLD.
*MISSED APPROACH REQUIRES MINIMUM CLIMB OF 280 FEET PER NM TO 2800; IF UNABLE TO MEET CLIMB GRADIENT, SEE ILS Y RWY 12.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)	
2.	PROFILE STARTS AT BRELD/I-ADJ 24.87 DME					
3.	FAC: 120.02	PFAF: EWJOR/I-ADJ 15.77 DME	DIST PFAF TO MAP:	DIST PFAF TO THLD:		
4.	MIN ALT: BRELD/I-ADJ 24.87 DME 8700, EWJOR/I-ADJ 15.77 DME 6800					
5.	DIST TO THLD FROM OM: 14.45	MM:	IM:	150 HAT:	GS ANT: 880	
6.	MIN GS INCPT: 6800	GS ALT AT PFAF: EWJOR/I-ADJ 15.77 DME 6800		OM:	MM:	IM:
7.	GS ANGLE: 3.60	34:1:	20:1:	TCH: 58.1		
8.	MSA FROM: EAT VOR/DME 004-094 5500, 094-184 7700, 184-004 10600					



PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

EQUIPMENT REQUIREMENTS NOTES:

DME REQUIRED.

NOTES:

CHART PROFILE NOTE: USE I-ADJ DME WHEN ON THE LOCALIZER COURSE.
CHART NOTE: FOR INOPERATIVE ALS, INCREASE ALL VISIBILITY TO 1 SM.

ADDITIONAL FLIGHT DATA:

CHART MANDATORY 12000 AT FITGA

HOLD E, RT, 285.00 INBOUND.
CHART EAT R-257 AT FITGA.
CHART EAT R-285 AT KADGE.

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD - 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
S-ILS 12*	1555	1/2	330	1555	1/2	330	1555	1/2	330		NA				

CHANGES - REASONS

1. CHANGED ARC IAF FROM: "WINIM/EAT 19.00 DME CW" TO: "FITGA/EAT 24.00 DME CW" - PER FPT CHECKLIST/ATC.
2. CHANGED ARC SDF FROM: "YOYUG/EAT 19.00 DME" TO: "KADGE/EAT 24.00 DME" - PER FPT CHECKLIST/ATC.
3. RAISED ARC IAF TO SDF MINIMUM ALTITUDE FROM: 9400 TO: 10500 - FPT REQUEST/NEW OBSTACLE EVALUATION.
4. CHANGED IF FROM: "ZARLO/I-ADJ 19.87 DME" TO: "BRELD/I-ADJ 24.87 DME" - PER FPT CHECKLIST/ATC.
5. CHANGED DISTANCE IF (BRELD/I-ADJ 24.87 DME) TO PFAF (EWJOR/I-ADJ 15.77 DME) FROM: 4.63 TO: 9.11 - IF FIX MOVED 4.99 NM NW.
6. RAISED ARC SDF (KADGE/EAT 24.00 DME) TO IF (BRELD/I-ADJ 24.87 DME) MINIMUM ALTITUDE FROM: 7700 TO: 8700 - PER FPT CHECKLIST/NEW OBSTACLE EVALUATION.
7. RAISED PFAF ALTITUDE FROM: 6600 TO: 6800 - PER FPT CHECKLIST/ATC.
8. PFAF (EWJOR) MOVED 0.52 NM NW - PER FPT CHECKLIST/ATC.
9. CHANGED MISSED APPROACH INSTRUCTIONS FROM: "CLIMB TO 1820 THEN CLIMB TO 5500 ON EAT VOR/DME R-105 TO COYYA INT/EAT 18.52 DME AND HOLD. *MISSED APPROACH REQUIRES MINIMUM CLIMB OF 420 FEET PER NM TO 3200; IF UNABLE TO MEET CLIMB GRADIENT, SEE ILS Y RWY 12" TO: "CLIMB TO 5000 DIRECT MODPE AND ON TRACK 098.47 TO COYYA AND HOLD. *MISSED APPROACH REQUIRES MINIMUM CLIMB OF 280 FEET PER NM TO 2800; IF UNABLE TO MEET CLIMB GRADIENT, SEE SEE ILS Y RWY 12" - PER FPT CHECKLIST/MISSED APPROACH CHANGED TO RNAV.
10. ADDED CA LEG 1555 MSL TO TERMINAL ROUTES - ADDED RNAV MISSED APPROACH.
11. CHANGED ARC LEAD RADIAL FROM: (EAT LR-294) TO: (EAT LR-295) - CHANGE IN ARC DISTANCE.
12. CHANGED IN PROFILE LINE 2: "PROFILE STARTS AT ZARLO/I-ADJ 19.87 DME" TO: "PROFILE STARTS AT BRELD/I-ADJ 24.87 DME" - IF MOVED 4.99 NM AND RENAMED.
13. CHANGED IN PROFILE LINE 4: "ZARLO 7700, EWJOR 6600" TO: "BRELD/I-ADJ 24.87 DME 8700, EWJOR/I-ADJ 15.77 DME 6800" - PER FPT CHECKLIST/ATC.
14. CHANGED FINAL LENGTH FROM: 13.93 TO 14.45 - PFAF (EWJOR) MOVED 0.52 NM NW.
14. CHANGED IN PROFILE LINE 6: "MIN GS INCPT: "6600" TO: "6800" - PER FPT CHECKLIST/ATC.
15. CHANGED MSA SECTOR ALTITUDES FROM: "EAT VOR/DME 004-094 5500, 094-184 7800, 184-004 10700" TO: "EAT VOR/DME 004-094 5500, 094-184 7700, 184-004 10600" - NEW OBSTACLE EVALUATION.
16. ADDED CHART NOTE "CHART NOTE: FOR INOPERATIVE ALS, INCREASE ALL VISIBILITY TO 1 SM" - NEW ALS INSTALLATION.
17. ADDED PBN REQUIREMENTS NOTE: "RNP APCH - GPS" - 8260.3E, 8-6-8 B(1).
18. ADDITIONAL FLIGHT DATA: CHART MANDATORY 12000 AT FIGTA - PER FPT CHECKLIST.



COORDINATED WITH:

A4A

X

ALPA

X

AOPA

X

APA

X

HAI

NBAA

X

OTHER:

ZSE, AMGR, WA AERO

FLIGHT CHECKED BY

OFFICE

DATE

DEVELOPED BY

CASIMIR L. TABAKA (THERON CYRUS)

Digitally signed by
CASIMIR L TABAKA
Mar 25, 2024

OFFICE

AJV-A432

DATE

01/04/2024

APPROVED BY

CASIMIR L. TABAKA

Digitally signed by
CASIMIR L TABAKA
Mar 25, 2024

OFFICE

AJV-A432

DATE

TITLE
MANAGER

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

<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>
EAT	ILS Z RWY 12	1	WENATCHEE	WA	1249	I-ADJ

PART A: OBSTRUCTION DATA SEGMENTS

INITIAL: ARC

FROM FITGA/EAT R-257/24.00 DME CW
TO KADGE/EAT 24.00 DME

<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>
AAO	472845.00N/1205000.00W	8993	215	8	4B	1000				PR380 AT127	10500
TERRAIN	472845.00N/1205000.00W	8792 (8800)								AS1500	10300

COMPUTATIONS

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

SEGMENT REMARKS:

INITIAL: ARC STEPDOWN

FROM KADGE/EAT R-285/24.00 DME CW
TO BRELD/I-ADJ 24.87 DME

<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>
AAO	473527.00N/1204603.00W	7218	215	8	4B	1000				PR380 AT102	8700
TERRAIN	473830.00N/1204757.00W	6414 (6400)								AS1500	7900

COMPUTATIONS

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

SEGMENT REMARKS:

INTERMEDIATE: ILS

FROM

BRELD/I-ADJ 24.87 DME

TO

EWJOR/I-ADJ 15.77 DME

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>				<u>HMAS</u>		
	9.11										
<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	474524.00N/1203145.00W	5939	215	8	4B	500				PR320 SA-495 AT536	6800
TERRAIN	473606.00N/1203036.00W	4691 (4700)								AS1500	6200

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: ILS

FROM

EWJOR/I-ADJ 15.77 DME

TO

RW12

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
	14.45		DA				330				
<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				1555

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

MISSSED APPROACH: ILS

FROM

DA

TO

COYYA

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
1.00										1297	
<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>
TERRAIN (53-037190)	472054.53N/1200847.88W	2402	20	3	1A		ASC	280	2800		5000
TREE	472051.00N/1201006.00W	2833	215	8	4B	1000					3900
TERRAIN	472051.00N/1201006.00W	2732 (2700)								AS1500	4200

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

MSA

CENTER

EAT VOR/DME

RADIUS

25

SECTOR	OBSTRUCTION	COORDINATES	BEARING	DISTANCE	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
004-094	AAO	473500.00N/1201048.00W	351	11.1	4456	215	8	4B	1000			5500
094-184	AAO	471512.00N/1202257.00W	204	11.2	6683	215	8	4B	1000			7700
184-004	AAO	472830.00N/1205409.00W	264	28.5	9567	215	8	4B	1000			10600

MSA REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:



PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH

PRC FSS, ZSE ARTCC

<u>WX SERVICE</u>	<u>LOCATION</u>	<u>HRS OPERATION</u>	<u>ALTIMETER SOURCE</u>	<u>DISTANCE</u>	<u>SERVICE-A</u>	<u>ADJUSTMENTS</u>
ASOS	EAT	24	EAT	0	Y	0
<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>
ASOS	EPH	24	EPH	28.53	Y	70

WX REMARKS:

RASS PRESSURE PATTERNS THE SAME
KEAT 1249, KEPH 1276
RA = 69.8

<u>PRIMARY NAVAID</u>	<u>MONITOR POINT</u>	<u>HRS OPERATION</u>	<u>CAT</u>
I-ADJ	POCC	24	1

<u>APPROACH AND RUNWAY LIGHTING SYSTEM</u>	<u>RUNWAY MARKINGS</u>	<u>RUNWAY VISUAL RANGE</u>
RW30 - REIL (PCL), HIRL (PCL), PAPI-2L	NPI-G	
RW12 - MALSR (PCL), HIRL (PCL), PAPI-4L	PIR-G	

<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>	<u>TCH</u>
3.60	1216.8	58.1	1219.0	880	3.60	60.0

FINAL APPROACH COURSE AIMING

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

HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS

and/or

5280-FT "PROCEED VFR" SEGMENT LEVEL SURFACE AREA PENETRATIONS

PENETRATIONS REMARKS:



PART C: GENERAL REMARKS:

VDP NOT ESTABLISHED - PRECISION PROCEDURE.

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

NOTES RETAINED FROM PREV AMDT:
ALTERNATE MISSED APPROACH NOT REQUESTED BY ATC DUE TO THE LOCATION OF THE AIRPORT AND SURROUNDING TERRAIN; ALTERNATE MISSED APPROACH NOT DEVELOPED.

PROCEDURE NA FOR CAT D AIRCRAFT PER 8260.3C PARA 2-6-2C TABLE 2-6-1 (VERTICAL DESCENT ANGLE EXCEEDS 3.5 DEG).

CONTINGUENCY ALTIMETER NOTE:
USE EPHRATA ALTIMETER SETTING AND INCREASE ALL DAS TO 1625 FEET AND ALL VISIBILITIES 1/8 SM.
FOR INOPERATIVE ALS WHEN USING EPHRATA ALTIMETER SETTING, INCREASE ALL VISIBILITY TO 1 1/8 SM.

GPS MISSED APPROACH REQUESTED PER FPT/ATC.

WAIVER (S): (1): 8260.19I, PARA 2-11-5: REQUEST TO NOT APPLY AAO WITHIN THE MISSED APPROACH AREA.

100 FT VEGETATION USED PER FPT CHECKLIST.

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	10.27
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	2.43
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	135.02
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	4200
DISTANCE FROM	THLD	TO 1500FT POINT	11.58
WIDTH OF	FINAL	SEGMENT AT 1500FT POINT	2.71
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1500FT POINT	135.02
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1500FT POINT	4200

THRESHOLD COORDINATES (IF STR-IN)	472420.69N/1201302.18W
ARP COORDINATES	472355.70N/1201224.60W
RUNWAY APCH END AND DIST FURTHEST FROM ARP	RUNWAY 12 DISTANCE 0.60 NM
FAF COORDINATES	473432.63N/1202807.39W
FIX NAME COORDINATES	IF BRELD 474057.11N/1203741.02W

REMARKS

NO ADDITIONAL AIRSPACE REQUIRED.

PART E: PREPARED BY

NAME	OFFICE	DATE	TITLE
CASIMIR L. TABAKA (THERON CYRUS)	AJV-A432	01/04/2024	AERONAUTICAL INFORMATION SPECIALIST