

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION							ILS - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.29										Bearings, headings, courses, 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 in feet RVR.									
TERMINAL ROUTES														MISSED APPROACH												
FROM				TO				COURSE AND DISTANCE				ALTITUDE		ILS: DA LOC: I-ADE 1.15 DME FIX												
CVO VOR/DME (IAF)				FIPMA/I-ADE 16.15 DME				133.77 / 7.94				3600		CLIMB TO 5200 ON HEADING 163 AND EUG VORTAC R-152 TO SAGIN/EUG 16.00 DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 5200  ALTERNATE MA (DO NOT CHART): CLIMB TO 900 THEN CLIMBING RIGHT TURN TO 4000 ON HEADING 341 AND CVO VOR/DME R-161 TO CVO VOR/DME AND HOLD.  ADDITIONAL FLIGHT DATA: HOLD SE, RT, 332.04 INBOUND. CHART FAS OBST: 440 TREE 440827N/1231202W CHART 483 TOWER 441152N/1231221W. CHART (ZIGTA) AT INTERSECTION OF SHEDD DR LEG AND INTERMEDIATE COURSE. CHART IN PLANVIEW: CVO VOR/DME. CHART PLANVIEW NOTE: DME REQUIRED. CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD SE CVO VOR/DME, RT, 334 INBOUND. CHART CIRCLING ICON												
SHEDD INT/EUG 22.07 DME (IAF)				FIPMA/I-ADE 16.15 DME				228.00 / 5.67 (HDG) & 163.39 / 3.12 (I-ADE)				3600														
FIPMA/I-ADE 16.15 DME (IF)				ZUNAX/I-ADE 6.08 DME				163.39 / 10.07 (I-ADE)				2000														
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)														MAG VAR: 16E EPOCH YEAR: 2010												
2. PROFILE STARTS AT FIPMA/I-ADE 16.15 DME																										
3. FAC: 163.39 FAF: ZUNAX/I-ADE 6.08 DME DIST FAF TO MAP: _____ THLD: 4.93																										
4. MIN. ALT: FIPMA 3600, ZUNAX 2000, HULTA/2.45 DME 820*																										
5. DIST TO THLD FROM OM: _____ - MM: _____ - IM: _____ 150 HAT: _____ - 100 HAT: _____ - GS ANT: 961																										
6. MIN GS INCPT: 2000 GS ALT AT: ZUNAX 2000 OM: _____ - MM: _____ - IM: _____																										
7. GS ANGLE: 3.00 TCH: 45.9																										
8. MSA FROM: EUG VORTAC 190-280 4600, 280-190 5300																										
MINIMUMS																										
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT							ALTERNATE: N A			ILS: STANDARD #			LOC: STANDARD @													
CATEGORY =====>		A			B			C			D			E												
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA											
S-ILS 16L	569	1/2	200	569	1/2	200	569	1/2	200	569	1/2	200														
S-LOC 16L	700	1/2	331	700	1/2	331	700	1/2	331	700	3/4	331														
CIRCLING	800	1	426	840	1	466	840	1 1/2	466	1100	2 1/4	726														
NOTES: CHART NOTE: DME REQUIRED. CHART PROFILE NOTE: USE I-ADE DME WHEN ON THE LOCALIZER COURSE. CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}). *LOC ONLY (CONTINUED ON PAGE 2)																										
CITY AND STATE EUGENE, OR				ELEVATION: 374 TDZE: 369 AIRPORT NAME: MAHLON SWEET FIELD				FACILITY IDENTIFIER: I-ADE		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 16L, AMDT 1A				SUP: ILS OR LOC/DME RWY 16L AMDT: 1 DATED 09/23/2010												



ALL AFFECTED PROCEDURES REVIEWED? <div><input type="checkbox"/> YES</div> <div><input checked="" type="checkbox"/> NO</div>		COORDINATES OF FACILITIES		REQUIRED EFFECTIVE DATE	
ROUTINE					
COORDINATED WITH:					
ATA <div><input checked="" type="checkbox"/></div>		AAT <div><input type="checkbox"/></div>		ALPA <div><input checked="" type="checkbox"/></div>	
APA <div><input checked="" type="checkbox"/></div>		AOPA <div><input checked="" type="checkbox"/></div>		NBAA <div><input checked="" type="checkbox"/></div>	
OTHER (specify)		<div><input checked="" type="checkbox"/> ZSE, EUG ATCT, CASCADE APP CON, ARPT MGR, WESTERN FPT</div>			
FLIGHT CHECKED BY					
NAME:				FIFO	DATE: 07/02/2010
DEVELOPED BY					
NAME: <div>RONALD SALPINO</div> <div><small>Digitally signed by RONALD SALPINO Jul 01, 2016</small></div>				FIFO AJV-5433	DATE: 05/09/2016
APPROVED BY					
NAME: <div>LONNIE EVERHART</div> <div>MANAGER</div>				FIFO AJV-5430	DATE:
CHANGES:					
<div>1. UPDATED CIRCLING, INCREASED CAT D FROM 940-2 TO 1100-2 1/4 AND UPDATED ALL ALTERNATE MINIMUMS NOTES ASSOCIATED WITH THIS INCREASE.</div> <div>2. ADDED ADDITIONAL FLIGHT DATA NOTE: CHART CIRCLING ICON.</div> <div>3. REMOVED "DME" FROM PROCEDURE NAME.</div>					
REASONS:					
<div>1. CIRCLING OBSTACLE CHANGED FROM 514 TOWER TO 799 AAO DUE TO THE EXPANSION OF THE CIRCLING AREAS IAW 8260.3.</div> <div>2, 3. IAW 8260-19 CRITERIA.</div>					

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION  
ILS - STANDARD  
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.29

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NOTES, (CONT.):

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON CVO VOR/DME AIRWAY RADIALS 081 CW 177.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT SHEDD ON V23 NORTHBOUND.

CHART NOTE: FOR INOPERATIVE ALS, INCREASE S-LOC 16L CAT D VISIBILITY TO 1 SM.

QUALITY  
18  
CHECKED

CITY AND STATE EUGENE, OR	ELEVATION: 374	TDZE: 369	FACILITY IDENTIFIER: I-ADE	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 16L, AMDT 1A	SUP: ILS OR LOC/DME RWY 16L
	AIRPORT NAME: MAHLON SWEET FIELD	AMDT: 1			
	DATED: 09/23/2010				

ALL AFFECTED PROCEDURES REVIEWED? <div><input type="checkbox"/> YES</div> <div><input type="checkbox"/> NO</div>		COORDINATES OF FACILITIES		REQUIRED EFFECTIVE DATE	
COORDINATED WITH:					
ATA <div><input type="checkbox"/></div>		AAT <div><input type="checkbox"/></div>	ALPA <div><input type="checkbox"/></div>	APA <div><input type="checkbox"/></div>	AOPA <div><input type="checkbox"/></div>
NBAA <div><input type="checkbox"/></div>		OTHER (specify) <div><input type="checkbox"/></div>			
FLIGHT CHECKED BY					
NAME:				FIFO	DATE:
DEVELOPED BY					
NAME:				FIFO	DATE:
APPROVED BY					
NAME:				FIFO	DATE:
CHANGES:					
REASONS:					

## STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD

## PART - A OBSTRUCTION DATA

1. APP SEGMENT	FROM	TO	OBSTRUCTION	COORDINATES	ELEV. MSL	ROC	ALT. ADJUSTMENTS	MIN. ALT.
INITIAL	CVO VOR/DME	FIPMA/I-ADE	1. AAO	442554.00N/1232054.00W	839 (2C)	1000	AT1761	3600
		16.15 DME	2. TERRAIN	442554.00N/1232054.00W	639 (600)		AS1500	2100
INITIAL	SHEDD INT/EUG	FIPMA/I-ADE	3. AAO	442527.00N/1232045.00W	899 (2C)	1000	AT1701	3600
	22.07 DME	16.15 DME	4. TERRAIN	442527.00N/1232045.00W	699 (700)		AS1500	2200
INTERMEDIATE	FIPMA/I-ADE 16.15	ZUNAX/I-ADE 6.08	5. STACK (41-000114)	442258.00N/1230935.00W	578 (2C)	500	DG922	2000
	DME	DME	6. TERRAIN	441315.00N/1231212.00W	322 (300)		AS1500	1800
FINAL: ILS	ZUNAX/6.08 DME	RW16L				ASC		569/200
FINAL: LOC	ZUNAX/6.08 DME	HULTA/2.45 DME	7. AAO	441118.88N/1231156.06W	539 (2C)	250	DG31	820
FINAL: LOC STEPDOWN	HULTA/2.45 DME	I-ADE 1.15 DME	8. TREE (KEUGT0019)	440827.39N/1231201.94W	440 (2C)	250		700
		FIX						
2. PROCEDURE TURN	NA							
3. MISSED APPROACH	MAP: DA / I-ADE 1.15	SAGIN/EUG 16.00				ASC		5200
	DME FIX	DME	9. AAO	435206.20N/1230746.39W	1959 (2C)	1000		3000
	ELEV: 401/450		10. TERRAIN	445206.20N/1230746.39W	1759 (1800)		AS1500	3300
4. CIRCLING AREA	DISTANCE	HT. ABV. ARPT.						
CATEGORY A	1.3 NM	REQUIRED 350	ACTUAL 426	13. CTRL TWR (41-	440703.27N/1231245.92W	494 (2C)	300	800
CATEGORY B	1.5 NM	450	466	14. TWR (41-001057)	440559.18N/1231022.39W	514 (1A)	300	HAA 840
CATEGORY C	1.7 NM	450	466	15. TANK (41-021038)	440946.25N/1231125.71W	519 (1A)	300	HAA 840
CATEGORY D	2.3 NM	550	726	16. AAO	440328.86N/1231316.75W	799 (2C)	300	1100
CATEGORY E	4.5 NM	550						
5. MINIMUM SAFE ALTITUDES	PRIMARY NAVID: EUG VORTAC							
SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A	SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)
190-280	AAO	287/17.0	3536 (6C)	4600				
280-190	AAO	309/27.4	4297 (6C)	5300				
CITY AND STATE	ELEVATION: 374	FACILITY	PROCEDURE AND AMENDMENT NO:	REGION				
EUGENE, OR	AIRPORT NAME: MAHLON SWEET FIELD	I-ADE	ILS OR LOC RWY 16L, AMDT 1A	ANM				

PART B - SUPPLEMENTAL DATA										PART C - REMARKS:  VDP NOT ESTABLISHED - VDP LESS THAN 0.5NM AFTER STEPDOWN.  PRECIPITOUS TERRAIN EVALUATION COMPLETED.  2. LOCATION: ON AIRPORT; HRS OPTN: 24 KEUG ASOS ON SERVICE A. 3. BACK-UP ALTIMETER NOT REQUIRED, REDUNDANT PER FPT. VGSI DATA: 3.00/52 AS DIRECTED BY CURRENT/FORECASTED WEATHER, TWR PERSONNEL WILL ILLUMINATE THE APPROPRIATE RWY/APC LIGHTS FOR PERIOD (06:00 - 14:00Z HOURS) TWR IS CLOSED.  ORDER 8260.3, VOLUME 1, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED. CAT A: 1.30NM CAT B: 1.82NM CAT C: 2.86NM CAT D: 3.73NM  NO ADDITIONAL AIRSPACE REQUIRED.  ALTERNATE MISSED APPROACH ESTABLISHED TO CORVALLIS (CVO) VOR/DME.  VEGETATION HEIGHT 100' PER FPT.  ORDER 8260.3C, CHAPTER 2 APPLIED TO 483 TOWER 441152N/1231221W.  ATC CITES OPERATIONAL REQUIREMENT FOR INTERMEDIATE SEGMENT IN EXCESS OF 10NM.  W SLOPE SHIFT 78.90' FOR 875.10 GPI.  MISSED APPROACH OBSTACLES CONT. ALTERNATE: 11. AAO 441618.34N/1232107.39W 1723 (2C) 1000 2800 12. TERRAIN 441618.34N/1232107.39W 1523 (1500) AS1000 2500		
1. COMMUNICATIONS WITH:			2. WEATHER SERVICE			3. ALTIMETER SETTING						
CASCADE APP CON ZSE ARTCC EUG TOWER				N W S	OTHER: ASOS		SOURCE:KEUG					
				F A A			DISTANCE:					
				A / C			HOURS REMOTE OPERATION:					
SATISFACTORY ON:						LOCATION: KEUG					ADJUSTMENT: 0	
4. MONITOR STATUS	X	V H F	X	U H F		H F	PRIMARY NAVAID: I-ADE					
							MONITOR POINT: EUG ATCT/POCC					
							HRS OPTN:	CAT 1	24			
5. APPROACH & RUNWAY LIGHTING	X							ALSF-2 16R (PCL)				
								(S) SALS				
								MALSR 16L (PCL)				
								HIRL 16L, 16R, 34L, 34R				
								MIRL				
								REIL 34R (PCL)				
								TDZ 16R				
								C/L 16R, 34L				
6. RUNWAY MARKINGS								BASIC				
								ALL WEATHER PIR-G 16L, 16R, 34L, 34R				
								INSTRUMENT				
7. RUNWAY VISUAL RANGE								APPROACH 16R, 34L				
								MIDFIELD 16R, 34L				
								ROLL OUT 16R, 34L				
8. GLIDE PATH								GP ANGLE: 3.00			ELEV RWY THRESHOLD:363.4	
								DISTANCE FROM RWY: 961			ELEV GP ANTENNA: 355.4	
								THRESHOLD CROSSING HEIGHT:45.9				
9. FINAL APPROACH COURSE AIMING			X		X			RUNWAY THRESHOLD			FT. FROM THRESHOLD	
								ON CENTERLINE			FT. FROM CENTERLINE	
10. WAIVERS: NONE												
PART D - PREPARED BY: RONALD SALPINO								DATE: 05/09/2016				
TITLE: AERONAUTICAL INFORMATION SPECIALIST								OFFICE: AJV-5433				

