

<b>RNAV - STANDARD</b> <b>INSTRUMENT APPROACH PROCEDURE</b> <b>TITLE 14 CFR PART 97.33</b>						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		LPV: DA LNAV/VNAV: DA LNAV: RW16R  (DO NOT EXCEED 240 KIAS UNTIL ECEPO) CLIMB TO 1100 THEN CLIMBING RIGHT TURN TO 3000 DIRECT ECEPO AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3000.  ADDITIONAL FLIGHT DATA: HOLD NE, RT, 236.00 INBOUND. CHART FAS OBST: 735 TREE 475536N/1221737W DISTANCE TO THLD FROM 200 HAT: 0.47 NM. CHART VDP AT 1.14 NM TO RW16R* *LNAV ONLY. WAAS CHANNEL # 61129 REFERENCE PATH ID: W16A CHART CIRCLING ICON. LTP HAE: 148.2 M									
PAE VOR/DME		WEBVE (TF) (FO) (RNP 2.00)			341.83 / 13.93			3000											
AMEKE (IAF)		WEBVE (NOPT) (TF) (FB) (RNP 1.00)			117.90 / 3.70			3000											
WEBVE (IF/IAF)		JUGBA (TF) (FB) (RNP 1.00)			163.15 / 6.36			3000											
JUGBA (FAF)		HITUT/1.90 NM TO RW16R (TF) (FB) (RNP 0.30)			163.15 / 5.58														
HITUT/1.90 NM TO RW16R		RW16R (MAP) (TF) (FO) (RNP 0.30)			163.15 / 1.90														
(SEE FORM 8260-10)																			
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD N WEBVE, RT, 163.15 INBOUND, 3000 FT. IN LIEU OF PT (IAF) 3. FAC: 163.15 FAF: JUGBA DIST FAF TO MAP: 7.48 THLD: 7.48 4. MIN. ALT: WEBVE 3000, JUGBA 3000, HITUT/1.90 NM TO RW16R 1220* 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 3000 GS ALT AT: JUGBA 3000 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 56.7 34:1 IS CLEAR 8. MSA FROM: RW16R 7900																MAG VAR: 16E		EPOCH YEAR: 2020	
MINIMUMS																			
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT								ALTERNATE: N A		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				
LPV DA	770	1800	200	770	1800	200	770	1800	200	770	1800	200							
LNAV/VNAV DA	913	3000	343	913	3000	343	913	3000	343	913	3000	343							
LNAV MDA	1000	2400	430	1000	2400	430	1000	4000	430	1000	4000	430							
CIRCLING																			
	1100	1	492	1100	1	492	1120	1 1/2	512	1160	2	552							
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -5C (23F) OR ABOVE 54C (130F). CHART NOTE: CIRCLING RWY 34R NA AT NIGHT. CHART NOTE: DME/DME RNP-0.3 NA. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT PAE VOR/DME ON V287 SOUTHEAST BOUND. CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).																			
CITY AND STATE		ELEVATION: 608 TDZE: 570			FACILITY IDENTIFIER: RNAV			PROCEDURE NO./AMDT NO./EFFECTIVE DATE:					SUP:						
EVERETT, WA		AIRPORT NAME:						RNAV (GPS) Z RWY 16R, AMDT 1					AMDT: ORIG-A						
		SNOHOMISH COUNTY (PAINE FLD)											DATED 07/24/2014						

QUALITY  
 16  
 CHECKED

ALL AFFECTED PROCEDURES REVIEWED?  <input type="checkbox"/> YES <input type="checkbox"/> NO	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE  <div style="text-align: center;"><b>ROUTINE</b></div>
COORDINATED WITH: <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div>           ATA <input checked="" type="checkbox"/> </div> <div>           AAT <input type="checkbox"/> </div> <div>           ALPA <input checked="" type="checkbox"/> </div> <div>           APA <input checked="" type="checkbox"/> </div> <div>           AOPA <input checked="" type="checkbox"/> </div> <div>           NBAA <input checked="" type="checkbox"/> </div> <div>           OTHER (specify)  <input checked="" type="checkbox"/> <u>ZSE, SEA APP CON, PAE ATCT, AMGR</u> </div> </div>		
FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY		
NAME: <div style="text-align: right; margin-top: 10px;"> <b>PETER R. GUIMOND</b> </div>	FIFO  <b>AJV-5422</b>	DATE:  <b>08/15/2017</b>
APPROVED BY		
NAME: <div style="text-align: right; margin-top: 10px;"> <b>JULIE A. MORGAN</b> </div>	FIFO  <b>AJV-5420</b>	DATE:
CHANGES: <div style="margin-top: 10px;"> <ol style="list-style-type: none"> <li>1. AMENDED PROCEDURE MAGVAR FROM 17E (2010) TO 16E (2020).</li> <li>2. AMENDED PROCEDURE TCH FROM 58.9 TO 56.7.</li> <li>3. MOVED JUGBA 46.2 FEET NORTH.</li> <li>4. MOVED WEBVE 14.24 FEET EAST.</li> <li>5. AMENDED PAE VOR/DME TO WEBVE COURSE FROM 340.82 TO 341.83.</li> <li>6. AMENDED AMEKE TO WEBVE COURSE FROM 116.93 TO 117.90.</li> <li>7. AMENDED WEBVE TO JUGBA COURSE/DISTANCE FROM 162.14/6.37 TO 163.15/6.36.</li> <li>8. AMENDED JUGBA TO HITUT COURSE/DISTANCE FROM 162.14/5.57 TO 163.15/5.58.</li> <li>9. AMENDED HITUT TO RW16R COURSE FROM 162.14/4.33 TO 163.15.</li> <li>10. AMENDED FINAL COURSE FROM 162.14 TO 163.15.</li> <li>11. AMENDED HOLD-IN-LIEU INBOUND COURSE FROM 162.14 TO 163.15.</li> <li>12. AMENDED CA LEG COURSE FROM 162.14 TO 163.15.</li> <li>13. DELETED MISSED APPROACH: CLIMB TO 1100 THEN CLIMBING RIGHT TURN TO 3000 DIRECT AMEKE AND HOLD.</li> <li>14. ADDED MISSED APPROACH: CLIMB TO 1100 THEN CLIMBING RIGHT TURN TO 3000 DIRECT ECEPO AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3000.</li> </ol>         (SEE FORM 8260-10)       </div>		
REASONS: <div style="margin-top: 10px;"> <ol style="list-style-type: none"> <li>1. MATCH PENDING MAGVAR ASSIGNMENT FOR KPAE IN AIRNAV.</li> <li>2. MATCH TCH ON UNDERLYING ILS OR LOC RWY 16R.</li> <li>3. POSITION COMPUTED USING UPDATED TCH AND UPDATED RWY 16R TRUE BEARING.</li> <li>4. POSITION COMPUTED USING UPDATED RWY 16R TRUE BEARING.</li> <li>5. COMPUTED USING UPDATED PROCEDURE MAGVAR AND UPDATED POSITION OF WEBVE.</li> <li>6. COMPUTED USING UPDATED PROCEDURE MAGVAR AND UPDATED POSITION OF WEBVE.</li> <li>7. COMPUTED USING UPDATED PROCEDURE MAGVAR AND UPDATED POSITIONS OF WEBVE AND JUGBA.</li> <li>8. COMPUTED USING UPDATED PROCEDURE MAGVAR AND UPDATED POSITION OF JUGBA.</li> <li>9. COMPUTED USING UPDATED PROCEDURE MAGVAR AND FINAL APPROACH COURSE.</li> <li>10. COMPUTED USING UPDATED POSITION OF JUGBA.</li> <li>11. COMPUTED USING UPDATED POSITION OF WEBVE.</li> <li>12. UPDATED TO MATCH UPDATED FINAL APPROACH COURSE.</li> <li>13. REPLACED BY UPDATED MISSED APPROACH.</li> <li>14. ATC REQUEST.</li> </ol>         (SEE FORM 8260-10)       </div>		

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION  
RNAV - STANDARD  
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
RW16R (MAP)	1100 MSL (CA)	163.15	1100
1100 MSL	ECEPO (DF) (FO) (RNP 1.00)		3000

QUALITY  
16  
CHECKED

CITY AND STATE  
EVERETT, WA

ELEVATION: 608 TDZE: 570  
AIRPORT NAME:  
SNOHOMISH COUNTY (PAINE FLD)

FACILITY  
IDENTIFIER:  
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:  
RNAV (GPS) Z RWY 16R, AMDT 1

SUP:  
AMDT: ORIG-A  
DATED: 07/24/2014

ALL AFFECTED PROCEDURES REVIEWED?  <input type="checkbox"/> YES <input type="checkbox"/> NO	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE
COORDINATED WITH:  <div style="display: flex; justify-content: space-between;"> <div>ATA <input type="checkbox"/></div> <div>AAT <input type="checkbox"/></div> <div>ALPA <input type="checkbox"/></div> <div>APA <input type="checkbox"/></div> <div>AOPA <input type="checkbox"/></div> <div>NBAA <input type="checkbox"/></div> <div>OTHER (specify) _____ <input type="checkbox"/></div> </div>		
FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY		
NAME:	FIFO	DATE:
APPROVED BY		
NAME:	FIFO	DATE:
CHANGES: <b>CHANGES CONT.</b> 15. DELETED HOLD NW, RT, 152.04 INBOUND IN ADDITIONAL FLIGHT DATA. 16. ADDED HOLD NE, RT, 236.00 INBOUND IN ADDITIONAL FLIGHT DATA. 17. DELETED CHART FAS OBST: 745 BUILDING 475533N/1221628W IN ADDITIONAL FLIGHT DATA. 18. ADDED CHART FAS OBST: 735 TREE 475536N/1221737W IN ADDITIONAL FLIGHT DATA. 19. AMENDED LNAV/VNAV DA/HAT FROM 956/393 TO 913/913 AND VISIBILITY FROM RVR 4000 TO RVR 3000. 20. AMENDED LNAV MDA/HAT FROM 1060/497 TO 1000/430 AND CATS C/D VISIBILITY FROM 5000 TO 4000. 21. AMENDED LPV VISIBILITY FROM RVR 2400 TO RVR 1800. 22. AMENDED APT ELEV FROM 606 TO 608. 23. AMENDED CATS A/B CIRCLING HAA FROM 494 TO 492, CAT C FROM 514 TO 512, AND CAT D FROM 554 TO 552. 24. AMENDED DIST TO THLD FROM 200 HATH: 0.44 NM TO READ DISTANCE TO THLD FROM 200 HAT: 0.47 NM IN ADDITIONAL FLIGHT DATA. 25. AMENDED VDP FROM 1.33 NM TO RW16R TO 1.14 NM TO RW16R. 26. ADDED CHART CIRCLING ICON IN ADDITIONAL FLIGHT DATA. 27. AMENDED DIST FAF TO MAP AND DIST FAF TO THLD FROM 4.47 NM TO 4.48 NM. 28. AMENDED BARO-VNAV LOW TEMPERATURE LIMIT FROM NA BELOW -16C (4F) TO -5C (23F). 29. DELETED NOTE: WHEN USING SEATTLE-TACOMA INTL ALTIMETER SETTING, FOR INOPERATIVE MALSR,  (SEE FORM 8260-10)		
REASONS: <b>REASONS CONT.</b> 15. REPLACED BY UPDATED MISSED APPROACH HOLDING INSTRUCTIONS. 16. ATC REQUEST. 17. REPLACED BY UPDATED FAS DATA OBSTACLE. 18. NEW OBSTACLE STUDY. 19. NEW OBSTACLE STUDY. WESTERN FPT NOTIFIED AND CONCURS WITH LOWER MINIMUMS. 20. NEW OBSTACLE STUDY. WESTERN FPT NOTIFIED AND CONCURS WITH LOWER MINIMUMS. 21. IN ACCORDANCE WITH AFS MEMO IMPLEMENTATION OF RVR LESS THAN 2400 FOR LPV AND GLS INSTRUMENT APPROACHES, 29 JUN 2017. 22. MATCH PENDING AIRNAV APT ELEV 23. COMPUTED USING UPDATED APT ELEV. 24. COMPUTED USING TDZE VICE THRE IN ACCORDANCE WITH CURRENT POLICY. 25. COMPUTED USING AMENDED LNAV MDA. 26. IN ACCORDANCE WITH FAAO 8260.19G, PARA 8-6-8W. 27. COMPUTED USING UPDATED POSITION OF JUGBA. 28. COMPUTED USING FIVE YEAR TEMPERATURE DATA VICE STANDARD DEVIATION. 29. NO LONGER REQUIRED. ADJUSTMENTS ARE STANDARD IN ACCORDANCE WITH NEW INOPERATIVE TABLE.  (SEE FORM 8260-10)		

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION  
**RNAV - STANDARD**  
**INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33**

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QUALITY  
16  
CHECKED

CITY AND STATE  
**EVERETT, WA**

**ELEVATION: 608**      **TDZE: 570**  
AIRPORT NAME:  
**SNOHOMISH COUNTY (PAINE FLD)**

FACILITY  
IDENTIFIER:  
**RNAV**

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:  
**RNAV (GPS) Z RWY 16R, AMDT 1**

SUP:  
AMDT: **ORIG-A**  
DATED: **07/24/2014**

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>		<div><input type="checkbox"/></div>	
FLIGHT CHECKED BY					
NAME:				FIFO	DATE:
DEVELOPED BY					
NAME:				FIFO	DATE:
APPROVED BY					
NAME:				FIFO	DATE:
CHANGES:					
CHANGES CONT.					
INCREASE LPV					
ALL CATS VISIBILITY TO RVR 4500.					
30. DELETED NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE SEATTLE-TACOMA INTL ALTIMETER SETTING AND INCREASE ALL DA 88 FEET AND ALL MDA 100 FEET; INCREASE LNAV/VNAV CATS A AND B VISIBILITY TO RVR 5000.					
31. DELETED NOTE: BARO/VNAV AND VDP NA WHEN USING SEATTLE-TACOMA INTL ALTIMETER SETTING.					
32. ADDED NOTE: CIRCLING RWY 34R NA AT NIGHT.					
33. DELETED ALTERNATE MINIMUMS NOTE: NA WHEN LOCAL WEATHER NOT AVAILABLE.					
34. AMENDED FAS DATA LTP LAT/LONG FROM 475516.8000N/1221709.0700W TO 475516.8075N/1221709.0635W.					
35. AMENDED FAS DATA FPAP LAT/LONG FROM 475347.7700N/1221707.0800W TO 475347.9025N/1221707.1025W.					
36. AMENDED FAS DATA TCH FROM 58.9 TO 56.7.					
37. AMENDED FAS DATA LENGTH OFFSET FROM 0008 TO 0000.					
38. AMENDED FAS DATA CRC REMAINDER FROM 4AD6EF77 TO 2DFF2B33.					
REASONS:					
REASONS CONT.					
30. PAE ASOS IS ON WMSCR. BACK-UP ALTIMETER NOTES MOVED TO FAA FORM 8260-9 FOR CONTINGENCY USE.					
31. PAE ASOS IS ON WMSCR. BACK-UP ALTIMETER NOTES MOVED TO FAA FORM 8260-9 FOR CONTINGENCY USE.					
32. UNLIT 20:1 PENETRATION IDENTIFIED FOR RWY 34R. WESTERN FPT NOTIFIED AND CONCURS WITH NIGHT CIRCLING RESTRICTION.					
33. PAE ASOS IS ON WMSCR. BACK-UP ALTIMETER NOTES MOVED TO FAA FORM 8260-9 FOR CONTINGENCY USE.					
34. MATCH PENDING AIRNAV DATA.					
35. RECOMPUTED USING UPDATED FINAL COURSE.					
36. MATCH TCH ON UNDERLYING ILS OR LOC RWY 16R.					
37. RECOMPUTED USING UPDATED RUNWAY DATA.					
38. RECOMPUTED USING AMENDED LTP, FTP, TCH, AND LENGTH OFFSET CHANGES.35. RECOMPUTED USING AMENDED LTP, FTP, TCH, AND LENGTH OFFSET CHANGES.					

**RNAV STANDARD INSTRUMENT APPROACH PROCEDURE  
FLIGHT STANDARDS SERVICE - FAR PART 97.33**

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.

**FAS DATA BLOCK INFORMATION****DATA FIELD****DATA**

OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KPAE
RUNWAY	RW16R
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	Z
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W16A
LTP/FTP LATITUDE	475516.8075N
LTP/FTP LONGITUDE	1221709.0635W
LTP/FTP ELLIPSOIDAL HEIGHT	+01482
FPAP LATITUDE	475347.9025N
FPAP LONGITUDE	1221707.1025W
THRESHOLD CROSSING HEIGHT (TCH)	00056.7
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0000
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0

**CRC REMAINDER**

2DFF2B33

**ADDITIONAL PATH POINT RECORD INFORMATION**

ICAO CODE	K1
LTP ORTHOMETRIC HEIGHT	+01715
FPAP ORTHOMETRIC HEIGHT	+01715

QUALITY  
16  
CHECKED

CITY AND STATE  EVERETT, WA	ELEVATION: 608 AIRPORT NAME:  SNOHOMISH COUNTY (PAINE FLD)	TDZE: 570   RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:  RNAV (GPS) Z RWY 16R, AMDT 1	SUP:
				AMDT: ORIG-A
				DATED: 07/24/2014

ALL AFFECTED PROCEDURES REVIEWED?		COORDINATES OF FACILITIES		REQUIRED EFFECTIVE DATE	
<input type="checkbox"/> YES <input type="checkbox"/> NO					
COORDINATED WITH:					
ATA	AAT	ALPA	APA	AOPA	NBAA      OTHER (specify)
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> _____
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.	
FEEDER		PAE VOR/DME		WEBVE		1. AAO		480742.35N/1221457.17W		819 (2C)		1000		AT1181		3000	
						2. TERRAIN		480742.35N/1221457.17W		619 (600)				AS1500		2100	
INITIAL		AMEKE		WEBVE		3. AAO		480842.00N/1221642.00W		732 (2E)		1000		AT1268		3000	
						4. TERRAIN		480842.00N/1221642.00W		532 (500)				AS1500		2000	
INTERMEDIATE		WEBVE (IF/IAF)		JUGBA		1. AAO		480742.35N/1221457.17W		819 (2C)		500		AT1681		3000	
						2. TERRAIN		480742.35N/1221457.17W		619 (600)				AS1500		2100	
FINAL: LPV		JUGBA		RW16R								ASC				770/200	
FINAL: LNAV/VNAV		JUGBA		RW16R		5. BLDG_TWR (53-020429)		475523.73N/1221641.38W		735 (1B)		161		AC10		913/343	
FINAL: LNAV		JUGBA		HITUT/1.90 NM TO RW16R		6. AAO		480254.81N/1221603.72W		440 (2C)		250		XL74 RA88 DG368		1220	
FINAL: LNAV STEPDOWN		HITUT/1.90 NM TO RW16R		RW16R		7. TREE (53-069273)		475535.82N/1221737.37W		735 (1A)		250				1000	
2. HOLD-IN-LIEU-OF-PT		WEBVE		P-5		8. AAO		481757.00N/1221448.00W		1365 (2E)		1000		AT635		3000	
						9. TERRAIN		481757.00N/1221448.00W		1165 (1200)				AS1500		2700	
3. MISSED APPROACH	MAP:		DA / DA / RW16R		ECEPO						ASC				3000		
	ELEV:		594/752/900				10. ANTENNA (53-034715)		475144.15N/1221708.59W		817 (1A)		1000		1900		
						11. TERRAIN		475148.00N/1221706.00W		614 (600)				AS1500		2100	
4. CIRCLING AREA		DISTANCE		HT. ABV. ARPT.													
CATEGORY A		1.3 NM		REQUIRED	350	ACTUAL	492	12. ATCT (53-020252)		475432.61N/1221644.64W		777 (1A)		300		XP23 1100	
CATEGORY B		1.5 NM			450		492	12. ATCT (53-020252)		475432.61N/1221644.64W		777 (1A)		300		XP23 1100	
CATEGORY C		1.7 NM			450		512	10. ANTENNA (53-034715)		475144.15N/1221708.59W		817 (1A)		300		1120	
CATEGORY D		2.3 NM			550		552	10. ANTENNA (53-034715)		475144.15N/1221708.59W		817 (1A)		300		HAA 1160	
CATEGORY E		4.5 NM			550												
5. MINIMUM SAFE ALTITUDES								PRIMARY NAVAID: RW16R									
SECTOR		OBSTRUCTION		BRG/DIST		ELEVATION (MSL)		M S A		SECTOR		OBSTRUCTION		BRG/DIST		ELEVATION (MSL)	
360-360		AAO		042/28.4		6841 (4E)		7900									
CITY AND STATE		EVERETT, WA		ELEVATION: 608		AIRPORT NAME: SNOHOMISH COUNTY (PAINE FLD)		FACILITY RNAV		PROCEDURE AND AMENDMENT NO: RNAV (GPS) Z RWY 16R, AMDT 1		REGION ANM					

PART B - SUPPLEMENTAL DATA										PART C - REMARKS:																		
1. COMMUNICATIONS WITH:					2. WEATHER SERVICE					3. ALTIMETER SETTING					PRECIPITOUS TERRAIN EVALUATION COMPLETED.													
ZSE ARTCC PAE TOWER SEA APP CON							N W S		OTHER: <b>ASOS</b>					SOURCE:KPAE / KSEA					2. KPAE ASOS ON WMSCR. KSEA ASOS ON WMSCR. 3. KSEA 24-HR BACK-UP FOR CONTINGENCY USE. 5. VGSI DATA: 3.00/74.0.									
							F A A							DISTANCE: 0 / 27.47														
							A / C							HOURS REMOTE OPERATION: 0/YES / 24/YES														
SATISFACTORY ON:					LOCATION: KPAE					ADJUSTMENT: 0 / 88					CRITICAL TEMPERATURES: CRITICAL LOW :-5C (+23F) CRITICAL HIGH :+54C (+130F) ACT :-5C APT ISA :+13.8C													
4. MONITOR STATUS		X		V H F		X		U H F				H F		CRITICAL TEMPERATURE REMARKS AVERAGE COLD TEMPERATURE DERIVED FROM 5-YEAR HISTORY (2012-2016). CRITICAL LOW TEMPERATURE BASED ON ACT. DESCENT RATE (FPM): STANDARD TEMP 961 HIGH TEMP 1122.														
		PRIMARY NAVAID:																										
		MONITOR POINT:																										
		HRS		CAT 1							ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED. CAT A: 1.30NM CAT B: 1.83NM CAT C: 2.87NM CAT D: 3.75NM																	
		OPTN:		CAT 3																								
5. APPROACH & RUNWAY LIGHTING				ALS																								
				(S) SALS																								
		X		MALSF 34L MALSR 16R (PCL)																								
		X		HIRL 16R (PCL), 34L (PCL)																								
		X		MIRL 11, 16L, 29, 34R																								
		X		REIL 16L, 34R																								
		X		TDZ 16R																								
		X		C/L 16R, 34L																								
		X		OTHER (SPECIFY) VASI-2L 11 PAPI-4R 16R VASI-2R 29 PAPI-4L 34L (PCL)																								
6. RUNWAY MARKINGS		BASIC BSC-G 11, 16L, 29, 34R										SEE ATTACHED AIRSPACE LETTER.																
		ALL WEATHER PIR-G 16R																										
		INSTRUMENT NPI-G 34L																										
7. RUNWAY VISUAL RANGE		APPROACH 16R										100 FOOT TREES USED WITHIN 20,000 FEET OF AIRPORT PER EASTERN FPT.																
		MIDFIELD																										
		ROLL OUT																										
8. GLIDE PATH		GP ANGLE: 3.00					ELEV RWY THRESHOLD:562.7					TAA NOT DEVELOPED PER ATC REQUEST.																
		DISTANCE FROM RWY:					ELEV GP ANTENNA:																					
							THRESHOLD CROSSING HEIGHT:57.6																					
9. FINAL APPROACH COURSE AIMING				X		RUNWAY THRESHOLD					FT. FROM THRESHOLD					PROCEDURE DEVELOPED WITH A 3000 FOOT PFAF INTERCEPT ALTITUDE TO ACCOMMODATE CAT C/D AIRCRAFT. AN RNAV (GPS) Y RWY 16R HAS BEEN PUBLISHED WITH CAT A/B MINIMUMS ONLY TO SATISFY ENVIRONMENTAL STUDY RESULTS WHEN USING A 2000 FOOT PFAF INTERCEPT ALTITUDE PER ATC REQUEST.												
				X		ON CENTERLINE					FT. FROM CENTERLINE																	
10. WAIVERS: NONE															MISSED APPROACH SEGMENT REQUIRES 25 DEGREES OF BANK AND A 240 KIAS SPEED RESTRICTION UNTIL ECEPO FOR OIS CONSTRUCTION.													
PART D - PREPARED BY: PETER R. GUIMOND										DATE: 08/08/2017					LPV OCS SURFACE = 34:1  LNAV/VNAV OCS SURFACE = 22.19:1  RASS (PRESSURE PATTERNS ARE THE SAME): KPAE 607.5, KSEA 432.5 RA = 87.69													
TITLE: AERONAUTICAL INFORMATION SPECIALIST										OFFICE: AJV-5422																		
															SEATTLE-TACOMA INTL ALTIMETER ADJUSTMENTS AND NOTES FOR CONTINGENCY USE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE SEATTLE-TACOMA INTL ALTIMETER SETTING: INCREASE LPV DA TO 858 FEET AND VISIBILITY ALL CATS TO RVR 2200; INCREASE LNAV/VNAV DA TO 1001 FEET AND VISIBILITY ALL CATS TO RVR 5000; INCREASE ALL MDA 100 FEET AND LNAV CATS C/D VISIBILITY TO RVR 5500 AND CIRCLING CAT C VISIBILITY TO 1 3/4 SM. BARO-VNAV, VDP, AND ALTERNATE MINIMUMS NA WHEN USING SEATTLE-TACOMA INTL ALTIMETER SETTING.													
															AFS MEMO GUIDANCE FOR HANDLING PENETRATIONS TO THE 20:1 VISUAL AREA SURFACE, DATED 5/22/15, USED TO EVALUATE VISUAL SURFACES. CIRCLING RWY 34L, 20:1 (THIS OBSTACLE IS LIT AND FIXED BY FUNCTION, NO RESTRICTION TO NIGHT LANDING OR VISIBILITY REQUIRED) 578 LIGHTING (53-067664) 475345.88N/1221707.08W (0.05) CONT.													



STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD	
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## PART - A OBSTRUCTION DATA

[illegible]

4. CIRCLING AREA	DISTANCE	HT. ABV. ARPT.								
CATEGORY A	1.3 NM	REQUIRED	350	ACTUAL						
CATEGORY B	1.5 NM		450							
CATEGORY C	1.7 NM		450							
CATEGORY D	2.3 NM		550							
CATEGORY E	4.5 NM		550							

[illegible]

CITY AND STATE <b>EVERETT, WA</b>	<b>ELEVATION: 608</b> <b>AIRPORT NAME:</b> <b>SNOHOMISH COUNTY (PAINE FLD)</b>	FACILITY  <b>RNAV</b>	PROCEDURE AND AMENDMENT NO: <b>RNAV (GPS) Z RWY 16R, AMDT 1</b>	REGION  <b>ANM</b>
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PART B - SUPPLEMENTAL DATA										PART C - REMARKS: <b>CONTINUED.</b>  CIRCLING RWY 34R, 20:1 632 TRANSMISSION LINE (53-022193) 475347.68N/1221621.26W (12.96) 645 TREE (53-068701) 475344.93N/1221613.40W (11.83) 628 TRANSMISSION LINE (53-022191) 475347.73N/1221614.49W (9.04) 627 POLE (53-035799) 475347.69N/1221614.31W (7.84)  XP23 - RETAIN PUBLISHED 1100 MSL CAT B CMDA  XP23 - RETAIN PUBLISHED 1100 MSL CAT A CMDA			
1. COMMUNICATIONS WITH:			2. WEATHER SERVICE			3. ALTIMETER SETTING							
SATISFACTORY ON:				N W S	OTHER:		SOURCE:						
				F A A			DISTANCE:						
				A / C			HOURS REMOTE OPERATION:						
	V H F		U H F		H F	LOCATION:			ADJUSTMENT:				
4. MONITOR STATUS		PRIMARY NAVAID:									XP23 - RETAIN PUBLISHED 1100 MSL CAT B CMDA		
		MONITOR POINT:											
		HRS OPTN:	CAT 1										
			CAT 3										
5. APPROACH & RUNWAY LIGHTING			ALS									XP23 - RETAIN PUBLISHED 1100 MSL CAT A CMDA	
			(S) SALS										
			MALS										
			HIRL										
			MIRL										
			REIL										
			TDZ										
			C/LINE										
6. RUNWAY MARKINGS			BASIC									XP23 - RETAIN PUBLISHED 1100 MSL CAT A CMDA	
			ALL WEATHER										
			INSTRUMENT										
7. RUNWAY VISUAL RANGE			APPROACH									XP23 - RETAIN PUBLISHED 1100 MSL CAT A CMDA	
			MIDFIELD										
			ROLL OUT										
8. GLIDE PATH		GP ANGLE:				ELEV RWY THRESHOLD:						XP23 - RETAIN PUBLISHED 1100 MSL CAT A CMDA	
		DISTANCE FROM RWY:				ELEV GP ANTENNA:							
						THRESHOLD CROSSING HEIGHT:							
9. FINAL APPROACH COURSE AIMING				RUNWAY THRESHOLD						FT. FROM THRESHOLD		XP23 - RETAIN PUBLISHED 1100 MSL CAT A CMDA	
				ON CENTERLINE						FT. FROM CENTERLINE			
10. WAIVERS:											XP23 - RETAIN PUBLISHED 1100 MSL CAT A CMDA		
PART D - PREPARED BY:							DATE:					XP23 - RETAIN PUBLISHED 1100 MSL CAT A CMDA	
TITLE:							OFFICE:						