Flight Procedure Tracking Form	Action: FLIGHT CHECK	Task Type: IAP	Date Open: 03/09/2011	Task #: 201103093159610200 1	Request #: 20110309315961
Procedure: ILS OR LOC RWY 34 C AMDT 3		Airport ID: KSEA	Airport: SEATTLE-TACOMA INTL		Reimbursable #:
City: SEATTLE	ST: WA	GPS #:		Estimated Chart Date: 03/07/2013	FICO #:
Fac ID: TUC	Fac. Type: ILS	Specialist: JON DENTON			

Procedure Review

	Rec'd	Rel'd	Full Name	Comments
Lead:	08/17/2012	11/20/2012	LONNIE EVERHART	
QA:	11/20/2012	11/20/2012	SCOTT BEARD	
Liaison:	11/20/2012		Spurlin	WAIVER

PL

ESV REQUEST INCLUDED

Procedure Comments: ENROUTE-NON

Remark Type: INFORMATION

pkg 1 of 1

SEATTLE, WA SEATTLE-TACOMA INTL (KSEA) ILS OR LOC RWY 34C, AMDT 3 ENROUTE-NO FC: 1.22.13 PUB: 3.7.13

ATTACHED FORMS: ESV REPORTS; 8260-3; 8260-10; 8260-9; 8260-2(S): CFFJR, ORIG; CIDUG-INT, REV 8; COYLA-INT, REV 1; LORIE-INT, REV 4; MGNUM-INT, REV 5; ODBOE-INT, REV 1; RYBKA-INT, REV 3; SONDR, REV 1; TIFYS-INT, REV 5; UFMOP-INT, ORIG; (INFO ONLY) PAINE (PAE) VDME, REV 7.

CONTACT: PETE GETZ/LONNIE EVERHART-AVN-130 LEADS, 405.954.2079/ 405.954.4576.

SEATTLE, WASHINGTON — AL-582 (FAA) — FIG

ILS or LOC RWY 34C

SEATTLE-TACOMA INTL (SEA)

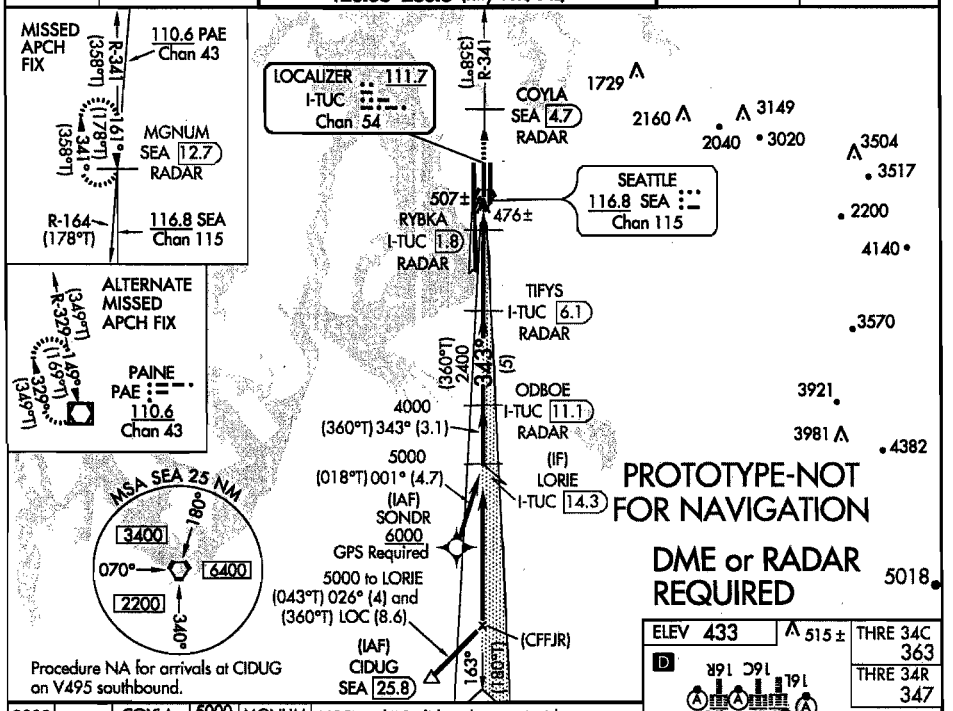
LOC/DME I-TUC	APP CRS	Rwy 34C ldg / THRE / Apt Elev	Rwy 34R ldg / THRE / Apt Elev
111.7 Chan 54	343°	9426 / 363 / 433	11901 / 347 / 433

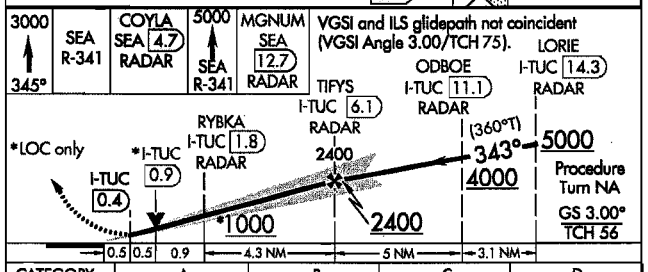
DME or RADAR required. Inop table does not apply to MALSR Rwy 34R. Simultaneous approach authorized with Rwy 34L & RVR 1800 authorized with the use of FD or AP or HUD to DA.

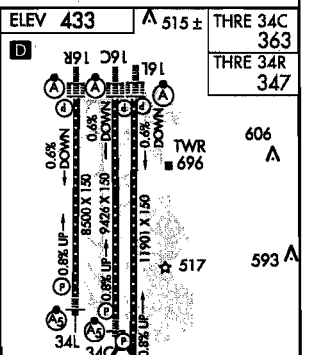
MALSR Rwy 34C/R

MISSED APPROACH: CLIMB TO 3000 ON HEADING 345 AND SEA VORTAC R-341 TO COYLA/SEA 4.69 DME/RADAR THEN CLIMB TO 5000 ON SEA VORTAC R-341 to MGNUM/SEA 12.7 DME/RADAR and hold, continue climb-in-hold to 5000.

ATIS	SEATTLE APP CON	SEATTLE TOWER	GND CON	CLNC DEL
118.0	133.65 273.45	119.9 239.3 (Rwys 16C/34C, 16L/34R) 120.95 239.3 (Rwy 16R/34L)	121.7	128.0







CATEGORY	A	B	C	D
S-ILS 34C &	580/24	217 (200-½)		
S-LOC 34C	760/24 397 (400-½)		760/35 397 (400-¾)	
SIDESTEP 34R	760/50 413 (400-1)		760/60 413 (400-1¼)	
CIRCLING	1000-1 567 (600-1)		1000-1½ 567 (600-1½)	1000-2 567 (600-2)

Knots	60	90	120	150	180
Min:Sec	5:42	3:48	2:51	2:17	1:54

ILS RWY 34C (SA CAT I)

SEATTLE-TACOMA INTL (SEA)

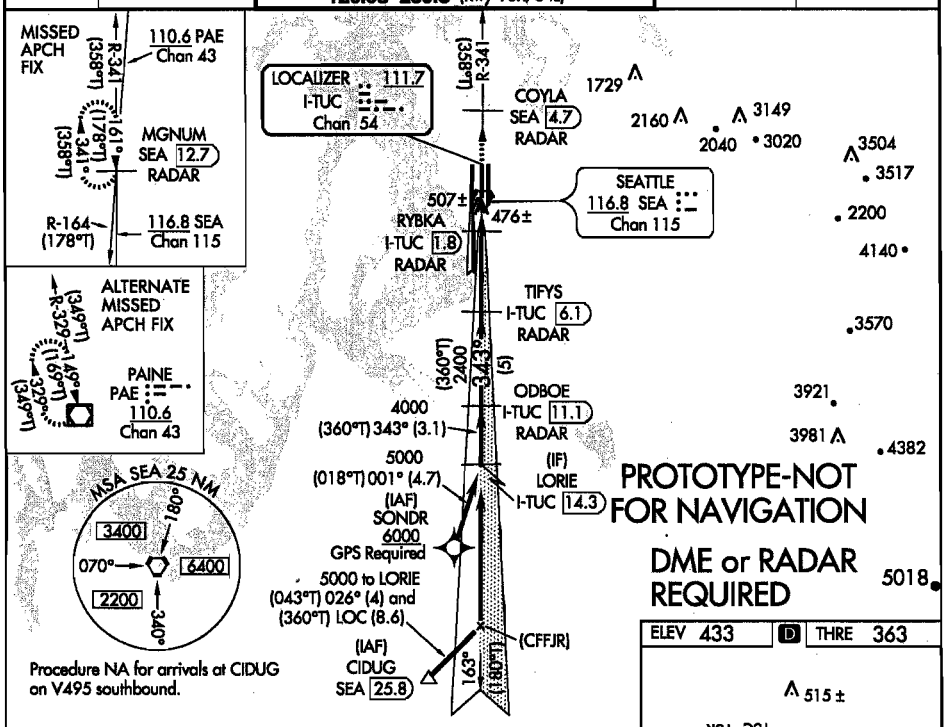
LOC/DME I-TUC	APP CRS	Rwy 34C ldg	9426
111.7 Chan 54	343°	THRE	363
		Apt Elev	433

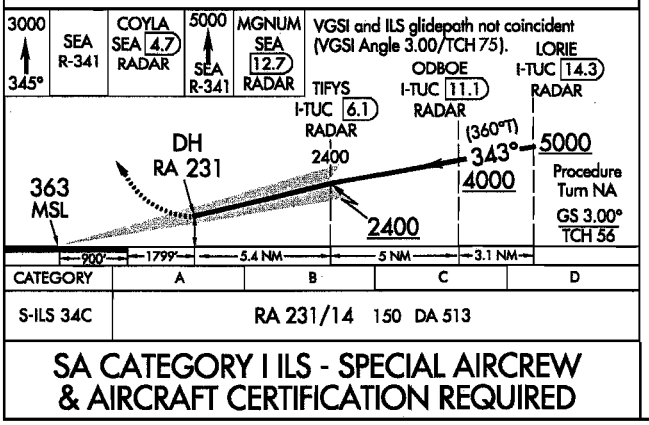
DME or RADAR required. Simultaneous approach authorized with Rwy 34L. Requires specific OPSPEC, MSPEC, or LOA approval and use and use of HUD to DH.

MALSR Rwy 34C/R

MISSED APPROACH: CLIMB TO 3000 ON HEADING 345 AND SEA VORTAC R-341 TO COYLA/SEA 4.69 DME/RADAR THEN CLIMB TO 5000 ON SEA VORTAC R-341 to MGNUM/SEA 12.7 DME/RADAR and hold, continue climb-in-hold to 5000.

ATIS	SEATTLE APP CON	SEATTLE TOWER	GND CON	CLNC DEL
118.0	133.65 273.45	119.9 239.3 (Rwys 16C/34C, 16L/34R) 120.95 239.3 (Rwy 16R/34L)	121.7	128.0

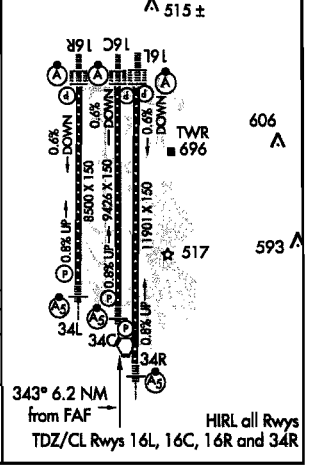




CATEGORY	A	B	C	D
S-ILS 34C	RA 231/14 150 DA 513			

SA CATEGORY I ILS - SPECIAL AIRCREW & AIRCRAFT CERTIFICATION REQUIRED

ELEV 433 D THRE 363



ILS RWY 34C (SA CAT II)

SEATTLE-TACOMA INTL (SEA)

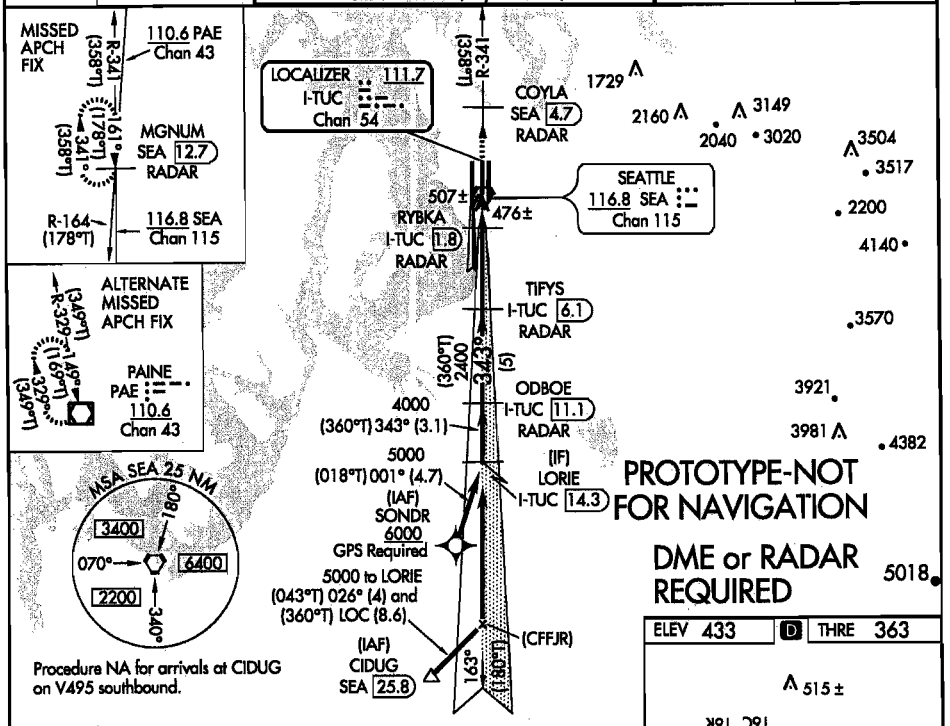
LOC/DME I-TUC	APP CRS	Rwy 34C ldg	9426
111.7 Chan 54	343°	THRE	363
		Apt Elev	433

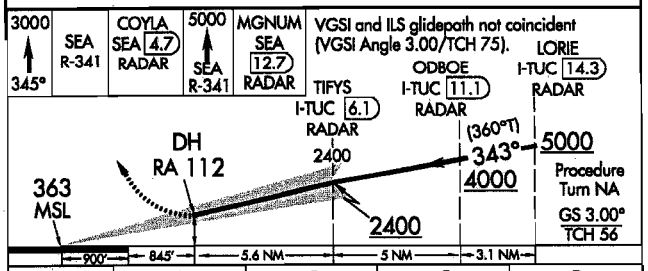
DME or RADAR required. Simultaneous approach authorized with Rwy 34L. Reduced lighting. Requires specific OPSPEC, MSPEC, or LOA approval and use of Autoland or HUD to touchdown.

MALSR Rwy 34C/R

MISSED APPROACH: CLIMB TO 3000 ON HEADING 345 AND SEA VORTAC R-341 TO COYLA/SEA 4.69 DME/RADAR THEN CLIMB TO 5000 ON SEA VORTAC R-341 to MGNUM/SEA 12.7 DME/RADAR and hold, continue climb-in-hold to 5000.

ATIS	SEATTLE APP CON	SEATTLE TOWER	GND CON	CLNC DEL
118.0	133.65 273.45	119.9 239.3 (Rwys 16C/34C, 16L/34R) 120.95 239.3 (Rwy 16R/34L)	121.7	128.0





CATEGORY	A	B	C	D
S-ILS 34C	RA 112/12 100 DA 463			

SA CATEGORY II ILS - SPECIAL AIRCREW & AIRCRAFT CERTIFICATION REQUIRED

ESV Details

Originating Office :	Airspace Docket Number :	Request Type : Establish	
Facility Data			
Chart Name : SEATTLE	City : SEATTLE	Ident : TUC	State : WA
Type/Class : LOC	Frequency : M111.7	Reference No.: 12109580	

Expanded Service Volume Data: (Requesting Officer)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude
FAA 890610-003	163	0	17	50	70

Requirement: FIX LORIE KSEA ILSLOC 34C		
Signature: Robbins Amanda	Routing Symbol: AJV-354	Date: 10/24/2012

Expanded Service Volume Data: (FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 890610-003	163	0	17	50	70	APPROVE

Requirement/Remarks: FIX LORIE KSEA ILSLOC 34CAPPROVED. PEND. FLIGHT CHK/INSPECT @ THE REQ. DIST. AND MIN ALT.		
Signature: ORear Daniel	Routing Symbol:	Date: 10/24/2012

Expanded Service Volume Data: (Super FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 890610-003	163	0	17	50	70	APPROVE

Requirement/Remarks: FIX LORIE KSEA ILSLOC 34CAPPROVED. PEND. FLIGHT CHK/INSPECT @ THE REQ. DIST. AND MIN ALT.		
Signature: Hughes Dennis	Routing Symbol:	Date: 10/25/2012

Expanded Service Volume Data: (FIFO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 890610-003	163	0				

Requirement/Remarks:		
Signature:	Routing Symbol:	Date:

ESV Details

Originating Office :	Airspace Docket Number :	Request Type : Establish	
Facility Data			
Chart Name : SEATTLE	City : SEATTLE	Ident : TUC	State : WA
Type/Class : GS	Frequency : M333.5	Reference No.: 12109600	

Expanded Service Volume Data: (Requesting Officer)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude
FAA 900368-003	163	0	15	50	50

Requirement: FIX LORIE ON KSEA ILSLOC 34C

Signature: Robbins Amanda	Routing Symbol: AJV-354	Date: 10/24/2012

Expanded Service Volume Data: (FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 900368-003	163	0	15	50	50	APPROVE

Requirement/Remarks: FIX LORIE ON KSEA ILSLOC 34CAPPROVED. PEND. FLIGHT CHK/INSPECT @ THE REQ. DIST. AND MIN ALT.

Signature: ORear Daniel	Routing Symbol:	Date: 10/24/2012

Expanded Service Volume Data: (Super FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 900368-003	163	0	15	50	50	APPROVE

Requirement/Remarks: FIX LORIE ON KSEA ILSLOC 34CAPPROVED. PEND. FLIGHT CHK/INSPECT @ THE REQ. DIST. AND MIN ALT.

Signature: Hughes Dennis	Routing Symbol:	Date: 10/25/2012

Expanded Service Volume Data: (FIFO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 900368-003	163	0				

Requirement/Remarks:

Signature:	Routing Symbol:	Date:

Approved ESVs Report

Region - NM

Ident - TUC **City - SEATTLE, WA** **Frequency - 111.7-MHz** **Facility - LOC**

ESV ID	Radial 1	Radial 2	Distance	Alt Min	Alt Max	Fight Check Date
FAA 890610-001	163	0	16	50	70	

Requirement : 080613E FIX LORIE *DIST. FROM GS ANT. 14NM, DIST. FROM DME ANT080623 Approved. Pend. Flight Chk/Inspect @ the req. dist. and MIN ALT. 080926

ESV ID	Radial 1	Radial 2	Distance	Alt Min	Alt Max	Fight Check Date
FAA 890610-002	163	0	25	50	70	

Requirement : 080613E CNF FIX DIYVE, LOC INTERCEPT POINT, *DIST. (I-SZI) DME080623 Approved. Pend. Flight Chk/Inspect @ the req. dist. and MIN ALT. 080711 AVN-150 FC SAT MOLOKIE, 1/23/07, N73, ESV FOR STATES FC SAT 1

Ident - TUC **City - SEATTLE, WA** **Frequency - 333.5-MHz** **Facility - GS**

ESV ID	Radial 1	Radial 2	Distance	Alt Min	Alt Max	Fight Check Date
FAA 900368-001	163	0	12	40	40	

Requirement : 080613E FIX ODBOE DIST. FROM DME ANT. 12NM, DIST. FROM LOC ANT080623 Approved. Pend. Flight Chk/Inspect @ the req. dist. and MIN ALT. 080926

ESV ID	Radial 1	Radial 2	Distance	Alt Min	Alt Max	Fight Check Date
FAA 900368-002	163	0	14	50	50	

Requirement : 080613E FIX LORIE *DIST. FROM LOC ANT. 16NM, DIST. FROM DME AN080623 Approved. Pend. Flight Chk/Inspect @ the req. dist. and MIN ALT. 080926

Get (100 Records) **Next >>**

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

FROM	TO	COURSE AND DISTANCE	ALTITUDE
CIDUG/SEA 25.84 DME (IAF)	LORIE/I-TUC 14.25 DME/RADAR	026.00 / 3.96 (HDG) & 343.34 / 8.64 (I-TUC)	5000
SONDR (IAF)	LORIE/I-TUC 14.25 DME/RADAR	001.06 / 4.71	5000
LORIE/I-TUC 14.25 DME/RADAR (IF)	ODBOE/I-TUC 11.11 DME/RADAR	343.34 / 3.14 (I-TUC)	4000
ODBOE/I-TUC 11.11 DME/RADAR	TIFYS/I-TUC 6.09 DME/RADAR	343.34 / 5.02 (I-TUC)	2400

MISSED APPROACH

ILS: DA
LOC: 5.72 MILES AFTER TIFYS/I-TUC 6.09 DME/RADAR OR AT UFMOP/I-TUC 0.37 DME/RADAR FIX

CLIMB TO 3000 ON HEADING 345 AND SEA VORTAC R-341 TO COYLA/SEA 4.69 DME/RADAR THEN CLIMB TO 5000 ON SEA VORTAC R-341 TO MGNUM/SEA 12.74 DME/RADAR AND HOLD, CONTINUE CLIMB-IN-HOLD TO 5000, OR AS DIRECTED BY ATC.
(SEE FORM 8260-10)

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT LORIE
3. FAC: 343.34 FAF: TIFYS/I-TUC 6.09 DME/RADAR DIST FAF TO MAP: 5.72 THLD: 6.22
4. MIN. ALT: LORIE 5000, ODBOE 4000, TIFYS 2400, RYBKA/I-TUC 1.77 DME/RADAR 1000*
5. DIST TO THLD FROM OM: - MM: - IM: - 150 HAT: 1799 100 HAT: 845 GS ANT: 900
6. MIN GS INCPT: 2400 GS ALT AT: TIFYS 2400 OM: - MM: - IM: -
7. GS ANGLE: 3.00 TCH: 55.7
8. MSA FROM: SEA VORTAC 360-160 6400, 160-250 2200, 250-360 3400

ADDITIONAL FLIGHT DATA:

HOLD N, RT, 161.04 INBOUND.
CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD NW PAE VOR/DME, RT, 149.04 INBOUND.
CHART FAS OBST: 507 TREE 472529N/1221857W
CHART FAS OBST: 476 TREE 472524N/1221845W
CHART VDP AT 0.88 DME*;
DISTANCE VDP TO THLD 1.01 MILES.
*LOC ONLY.
CHART (CFFJR) AT INTERSECTION OF CIDUG DR LEG AND INTERMEDIATE COURSE.
CHART IN PLANVIEW: PAE VOR/DME.
CHART AT OR ABOVE 6000 AT SONDR.
CHART LOC RWY 34L.
CHART MAXIMUM 2000 AT COYLA

MAG VAR: 17E EPOCH YEAR: 2010

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 34C &	580	2400	217	580	2400	217	580	2400	217	580	2400	217			
S-LOC 34C	760	2400	397	760	2400	397	760	3500	397	760	3500	397			
SIDESTEP 34R	760	5000	413	760	5000	413	760	6000	413	760	6000	413			
CIRCLING	1000	1	567	1000	1	567	1000	1 1/2	567	1000	2	567			

NOTES:
SA CATEGORY I ILS - SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED S-ILS 34C: CAT A, B, C, D, RA
231, RVR 1400, HATh 150, DA 513 MSL.
SA CATEGORY II ILS - SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED S-ILS 34C: CAT A, B, C, D, RA
112, RVR 1200, HATh 100, DA 463 MSL.
(SEE FORM 8260-10)

QUALITY A CHECKED

CITY AND STATE	ELEVATION: 433 THRE: 34C 363 THRE: 34R 347 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
SEATTLE, WA	SEATTLE-TACOMA INTL	I-TUC	ILS OR LOC RWY 34C, AMDT 3 ILS RWY 34C (SA CAT I) ILS RWY 34C (SA CAT II)	AMDT: 2B DATED 05/07/2009

ALL AFFECTED PROCEDURES REVIEWED?	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE
[ ] YES [X] NO		ROUTINE

COORDINATED WITH:

ATA	AAT	ALPA	APA	AOPA	NBAA	OTHER (specify)
[X]	[ ]	[X]	[X]	[X]	[X]	[X] ZSE, SEA APCH, SEA ATCT, AMGR

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:

DEVELOPED BY		
NAME:	FIFO	DATE:
JON DENTON	AJV-354	11/03/2012

APPROVED BY		
NAME:	FIFO	DATE:
DEBORAH COPELAND MANAGER	AJV-354	

CHANGES:

1. CHANGED CNF (DIYVE) TO (CFFJR).
2. CHANGED DISTANCE FROM CFFJR TO LORIE FROM 9.17 TO 8.64.
3. CHANGED LORIE DME FROM 13.72 TO 14.25.
4. CHANGED ODBOE DME FROM 10.78 TO 11.11.
5. CHANGED TIFYS DME FROM 5.99 TO 6.09.
6. CHANGED DISTANCE FROM LORIE TO ODBOE FROM 2.94 TO 3.14.
7. CHANGED DISTANCE FROM ODBOE TO TIFYS FROM 4.80 TO 5.02.
8. ADDED GPS SEGMENT FROM SONDR TO LORIE.
9. REMOVED ANNOTATION FOR AIRCRAFT TO INTERCEPT GLIDEPATH AT 4000 OR 5000.
10. CHANGED DISTANCE FAF TO MAP/THLD FROM 5.62/6.12 TO 5.72/6.22.
11. CHANGED CAT II MINIMA TO SA CAT II AND ADDED SA CAT I.
12. CHANGED DISTANCE OF 100 FT HATH FROM 1303 TO 845.
13. CHANGE RA FROM 133 TO 112.
14. CHANGED SDF ALT FROM 900 TO 1000 AT RYBKA.

SEE 8260-10

REASONS:

1. INITIATIVE TO RENAME ALL CNF FIXES BEGINNING WITH LETTERS CF.
2, 3, 6. LORIE MOVED 3247 FT SOUTH TO GS LOCATION TO INTERCEPT AT 5000 MSL.
4, 7. ODBOE MOVED 2012 FT SOUTH TO GS LOCATION TO INTERCEPT AT 4000 MSL.
5, 10. TIFYS MOVED 631 FT SOUTH TO PFAF LOCATION.
8. ATC REQUEST.
9. NO LONGER AUTHORIZED IAW 8260.19E.
11, 22. RUNWAY DOES NOT HAVE ALSF, CHANGED IAW MEMO DATED 10/27/2010.
12, 13. COMPUTED USING THLD ELEV VS TDZE ELEV.
14. RYBKA MOVED 2431 FT SOUTH DUE TO AAO IN FINAL ADJUSTMENT.
15. MOVED TO LOCATION OF 1.90 NM FROM THLD.
16. MOVED SDF.
17. ADDED SIMULTANEOUS OPERATIONS NOTE TO RWY 34L.
18. CHANGED FROM TDZE TO THLD ELEV AND OBSTACLE PENETRATED MISSED
19, 20, 21. IAW NEW VISI TABLE IN 8260.3B.

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 aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

MISSED APPROACH INSTRUCTIONS, (CONT.):
ALTERNATE MA: CLIMB TO 2000 THEN CLIMB TO 5000 DIRECT PAE VOR/DME AND HOLD.

NOTES, (CONT.):
CHART NOTE: DME OR RADAR REQUIRED.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT CIDUG ON V495 SOUTHBOUND.
CHART PLANVIEW NOTE: DME OR RADAR REQUIRED.
CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT.
CHART NOTE: &RVR 1800 AUTHORIZED WITH THE USE OF FD OR AP OR HUD TO DA.
CHART PLANVIEW NOTE ADJACENT TO SONDR IAF: GPS REQUIRED.
CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO MALSR RWY 34R.
CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED WITH RWY 34L.
SA CAT I CHART NOTE: REQUIRES SPECIFIC OPSPEC, MSPEC, OR LOA APPROVAL AND USE AND USE OF HUD TO DH.
SA CAT II CHART NOTE: REDUCED LIGHTING: REQUIRES SPECIFIC OPSPEC, MSPEC, OR LOA APPROVAL AND USE OF AUTOLAND OR HUD TO TOUCHDOWN.

QUALITY 4 CHECKED

CITY AND STATE	ELEVATION: 433 THRE: 34C 363 THRE: 34R 347	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
SEATTLE, WA	AIRPORT NAME: SEATTLE-TACOMA INTL	I-TUC	ILS OR LOC RWY 34C, AMDT 3 ILS RWY 34C (SA CAT I) ILS RWY 34C (SA CAT II)	AMDT: 2B DATED: 05/07/2009

ALL AFFECTED PROCEDURES REVIEWED?	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE
☐ YES ☐ NO		

COORDINATED WITH:

ATA ☐ AAT ☐ ALPA ☐ APA ☐ AOPA ☐ NBAA ☐ OTHER (specify) _____

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY		
NAME:	FIFO	DATE:
APPROVED BY		
NAME:	FIFO	DATE:

CHANGES:

CHANGES CONT.
15. RYBKA DME CHANGED FROM 1.37 TO 1.77 DME. 16. ADDED VDP. 17. ADDED RWY 34L LOC FOR CHARTING IN ADDITIONAL FLIGHT DATA. 18. CHANGED ILS DA/HAT FROM 587/200 TO 580/217. 19. CHANGED LOC CAT C VIS FROM RVR 2400 TO 3500, AND CAT D 4000 TO 3500. 20. CHANGED SIDESTEP 34R CAT D VIS FROM 1 3/4 RVR 6000. 21. CHANGED INOP MALSR NOTE VIS FROM RVR 6000 TO 1 1/4. 22. CHANGED CAT II TO SA CAT II IN PROCEDURE TITLE. 23. ADDED SA CAT I TO PROCEDURE TITLE. 24. ADDED NAMED MAP FIX, UFMOP.

REASONS:

REASONS CONT.
23. ADDED SA CAT I MINIMA.
24. MISSED APPROACH FIX NOT LOCATED AT THLD.

12/10/2012: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 11/03/2012.
CHANGED MISSED APPROACH INITIAL ALTITUDE FROM AT OR BELOW 2000 AT COYLA TO CLIMB TO 3000.

QUALITY 4 CHECKED

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.29**

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ARINC PACKET - 424-18 - ILS

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                 1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAD        SEA   K1011680VTHW N47260734W122183462    N47260851W122183597E0190003542     NARSEATTLE
        SUSAD KSEAK1 ITUC  K1011170 IT                    ITUCN47260883W122184423     003700     NARSEATTLE-TACOMA INTL

                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   CFFJR K10    W     N47031579W122185235                      E0163     NAR          CNF(CFFJR)
        SUSAEAENRT   CIDUG K10    C   L N47002809W122225783                      E0163     NAR          CIDUG
        SUSAEAENRT   COYLA K10    R     N47304839W122183435                      E0164     NAR          COYLA
        SUSAEAENRT   LORIE K10    C     N47115405W122184787                      E0163     NAR          LORIE
        SUSAEAENRT   MGNUM K10    C     N47385133W122183374                      E0165     NAR          MGNUM
        SUSAEAENRT   ODBOE K10    C     N47150233W122184624                      E0164     NAR          ODBOE
        SUSAEAENRT   SONDR K10    W     N47072569W122205630                      E0163     NAR          SONDR
        SUSAEAENRT   TIFYS K10    C     N47200360W122184362                      E0164     NAR          TIFYS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KSEAK1ASEA     0     119YHN47265960W122184240E017000433         1800018000C    MNAR    SEATTLE-TACOMA INTL

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KSEAK1FI34C  ACIDUG 010CIDUGK1EA0E  A    IF                                                18000                 0 NS
        SUSAP KSEAK1FI34C  ACIDUG 020CFFJRK1EA0E       TF                                     + 05000                          0 NS
        SUSAP KSEAK1FI34C  ACIDUG 030LORIEK1EA0E  B    TF                                     + 05000                          0 NS
        SUSAP KSEAK1FI34C  ACIDUG 040ODBOEK1EA0EE      CF ITUCK1      1633012934330031PI  + 04000                          0 NS
        SUSAP KSEAK1FI34C  ASONDR 010SONDRK1EA0E  A    IF                                     + 06000     18000                0 NS
        SUSAP KSEAK1FI34C  ASONDR 020LORIEK1EA0E  B    TF                                     + 05000                          0 NS
        SUSAP KSEAK1FI34C  ASONDR 030ODBOEK1EA0EE      CF ITUCK1      1633012934330031PI  + 04000                          0 NS
        SUSAP KSEAK1FI34C  I      010ODBOEK1EA0E  I    IF ITUCK1      16330129        PI  J 040000240018000                0 NS
        SUSAP KSEAK1FI34C  I      020TIFYSK1EA0E  F    CF ITUCK1      1633007934300050PI  H 0240002400        -300SEA   K1D 0 NS
        SUSAP KSEAK1FI34C  I      030RW34CK1PG0GY M    CF ITUCK1      1633001634300062PI    00419             -300          0 NS
        SUSAP KSEAK1FI34C  I      040         0  M     VI                      3450                                          0 NS
        SUSAP KSEAK1FI34C  I      050COYLAK1EA0E       CF SEA K1      3410004734100030D   + 03000                          0 NS
        SUSAP KSEAK1FI34C  I      060MGNUMK1EA0EY      TF                                     + 05000                          0 NS
        SUSAP KSEAK1FI34C  I      070MGNUMK1EA0EE  R   HM                      1610T010    + 05000                          0 NS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
```

QUALITY 4 CHECKED

CITY AND STATE	ELEVATION: 433 THRE: 34C 363	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
SEATTLE, WA	AIRPORT NAME: THRE: 34R 347 SEATTLE-TACOMA INTL	I-TUC	ILS OR LOC RWY 34C, AMDT 3 ILS RWY 34C (SA CAT I) ILS RWY 34C (SA CAT II)	AMDT: 2B DATED: 05/07/2009

ALL AFFECTED PROCEDURES REVIEWED? ☐ YES ☐ NO	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE

COORDINATED WITH:

ATA ☐ AAT ☐ ALPA ☐ APA ☐ AOPA ☐ NBAA ☐ OTHER (specify) ☐ _____

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:

DEVELOPED BY		
NAME:	NFPG	DATE:

APPROVED BY		
NAME:	NFPG	DATE:

CHANGES:

REASONS:

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.

```
        SUSAP KSEAK1GRW34C   0094263433 N47261669W122184036+0700    +0087800363000056150IITUC1
                 1         2         3         4         5         6         7         8         9         0         1         2         3
ILS     123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KSEAK1IITUC1   011170RW34CN47275435W1221839513433N47262560W1221846170470 09000405300E01705600367
                 1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KSEAK1SSEA  K1D                 0   070180034251803400642534007002225                                                  M
```

QUALITY CHECKED

CITY AND STATE	ELEVATION: 433	THRE: 34C 363	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
SEATTLE, WA	AIRPORT NAME: SEATTLE-TACOMA INTL	THRE: 34R 347	I-TUC	ILS OR LOC RWY 34C, AMDT 3 ILS RWY 34C (SA CAT I) ILS RWY 34C (SA CAT II)	AMDT: 2B DATED: 05/07/2009

ALL AFFECTED PROCEDURES REVIEWED? ☐ YES ☐ NO	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE

COORDINATED WITH:

ATA ☐ AAT ☐ ALPA ☐ APA ☐ AOPA ☐ NBAA ☐ OTHER (specify) ☐ _____

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY		
NAME:	NFPG	DATE:
APPROVED BY		
NAME:	NFPG	DATE:

CHANGES:

REASONS:

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.

ARINC SUMMARY - 424-18 - ILS

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	CIDUG	CIDUG	010	IAF	IF		FB					
	CIDUG	CFFJR	020		TF		FB				AA 05000	
	CIDUG	LORIE	030		TF		FB				AA 05000	
	CIDUG	ODBOE	040		CF		FB		343.3()	003.1	AA 04000	
	SONDR	SONDR	010	IAF	IF		FB				AA 06000	
	SONDR	LORIE	020		TF		FB				AA 05000	
	SONDR	ODBOE	030		CF		FB		343.3()	003.1	AA 04000	
		ODBOE	010	FACF	IF		FB				AA 04000 GI 02400	
		TIFYS	020	FAF	CF		FB		343.0()	005.0	GI 02400 GS 02400	
		RW34C	030	MAP	CF		FO		343.0()	006.2	AT 00419	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		VI		FB		345.0()			
	COYLA	050		CF		FB		341.0()	003.0	AA 03000	
	MGNUM	060		TF		FO				AA 05000	
	MGNUM	070		HM	R	FO		161.0()	T01.0	AA 05000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	SEA	N472607.34	W1221834.62	N4726.122	W12218.577
	ITUC (DME)	N472608.83	W1221844.23	N4726.147	W12218.737
	CFFJR	N470315.79	W1221852.35	N4703.263	W12218.873
	CIDUG	N470028.09	W1222257.83	N4700.468	W12222.964
	COYLA	N473048.39	W1221834.35	N4730.807	W12218.573
	LORIE	N471154.05	W1221847.87	N4711.901	W12218.798
	MGNUM	N473851.33	W1221833.74	N4738.856	W12218.562
	ODBOE	N471502.33	W1221846.24	N4715.039	W12218.771
	SONDR	N470725.69	W1222056.30	N4707.428	W12220.938
	TIFYS	N472003.60	W1221843.62	N4720.060	W12218.727
	RW34C	N472616.69	W1221840.36	N4726.278	W12218.673
	ITUC (LOC)	N472754.35	W1221839.51	N4727.906	W12218.659

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW34C	00363	56

QUALITY CHECKED

CITY AND STATE	ELEVATION: **433**	**THRE: 34C 363**	FACILITY	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:	
SEATTLE, WA	AIRPORT NAME: **SEATTLE-TACOMA INTL**	**THRE: 34R 347**	IDENTIFIER: **I-TUC**	**ILS OR LOC RWY 34C, AMDT 3** **ILS RWY 34C (SA CAT I)** **ILS RWY 34C (SA CAT II)**	AMDT:	**2B**
					DATED:	**05/07/2009**

ALL AFFECTED PROCEDURES REVIEWED? ☐ YES ☐ NO	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE

COORDINATED WITH:

ATA ☐ AAT ☐ ALPA ☐ APA ☐ AOPA ☐ NBAA ☐ OTHER (specify) ☐ _____

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY		
NAME:	NFPG	DATE:
APPROVED BY		
NAME:	NFPG	DATE:

CHANGES:

REASONS:

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.

ARINC PACKET - 424-18 - LOC

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------
        SUSAD        SEA   K1011680VTHW N47260734W122183462    N47260851W122183597E0190003542     NARSEATTLE
        SUSAD KSEAK1 ITUC  K1011170 IT                    ITUCN47260883W122184423     003700     NARSEATTLE-TACOMA INTL

                1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   CFFJR K10    W     N47031579W122185235                        E0163     NAR           CNF(CFFJR)
        SUSAEAENRT   CIDUG K10    C   L N47002809W122225783                        E0163     NAR           CIDUG
        SUSAEAENRT   COYLA K10    R     N47304839W122183435                        E0164     NAR           COYLA
        SUSAEAENRT   LORIE K10    C     N47115405W122184787                        E0163     NAR           LORIE
        SUSAEAENRT   MGNUM K10    C     N47385133W122183374                        E0165     NAR           MGNUM
        SUSAEAENRT   ODBOE K10    C     N47150233W122184624                        E0164     NAR           ODBOE
        SUSAEAENRT   RYBKA K10    C     N47242275W122184136                        E0164     NAR           RYBKA
        SUSAEAENRT   SONDR K10    W     N47072569W122205630                        E0163     NAR           SONDR
        SUSAEAENRT   TIFYS K10    C     N47200360W122184362                        E0164     NAR           TIFYS
        SUSAEAENRT   UFMOP K10    R     N47254671W122184062                        E0164     NAR           UFMOP

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------
        SUSAP KSEAK1ASEA     0     119YHN47265960W122184240E017000433          1800018000C    MNAR    SEATTLE-TACOMA INTL

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------
        SUSAP KSEAK1FL34C  ACIDUG 010CIDUGK1EA0E  A    IF                                                18000                0 NS
        SUSAP KSEAK1FL34C  ACIDUG 020CFFJRK1EA0E       TF                                     + 05000                        0 NS
        SUSAP KSEAK1FL34C  ACIDUG 030LORIEK1EA0E  B    TF                                     + 05000                        0 NS
        SUSAP KSEAK1FL34C  ACIDUG 040ODBOEK1EA0EE      CF ITUCK1     1633012934330031PI       + 04000                        0 NS
        SUSAP KSEAK1FL34C  ASONDR 010SONDRK1EA0E  A    IF                                     + 06000     18000              0 NS
        SUSAP KSEAK1FL34C  ASONDR 020LORIEK1EA0E  B    TF                                     + 05000                        0 NS
        SUSAP KSEAK1FL34C  ASONDR 030ODBOEK1EA0EE      CF ITUCK1     1633012934330031PI       + 04000                        0 NS
        SUSAP KSEAK1FL34C  L      010ODBOEK1EA0E  I    IF ITUCK1     16330129        PI       + 04000     18000              0 NS
        SUSAP KSEAK1FL34C  L      020TIFYSK1EA0E  F    CF ITUCK1     1633007934300050PI       + 02400                SEA   K1D 0 NS
        SUSAP KSEAK1FL34C  L      021RYBKAK1EA0E S     CF ITUCK1     1633003534300043PI       + 01000          -301              0 NS
        SUSAP KSEAK1FL34C  L      030UFMOPK1EA0EY M    CF ITUCK1     1633002134300014PI         00578          -301              0 NS
        SUSAP KSEAK1FL34C  L      040          0  M    VI                      3450                                             0 NS
        SUSAP KSEAK1FL34C  L      050COYLAK1EA0E       CF SEA K1     3410004734100030D        + 03000                        0 NS
        SUSAP KSEAK1FL34C  L      060MGNUMK1EA0EY      TF                                     + 05000                        0 NS
        SUSAP KSEAK1FL34C  L      070MGNUMK1EA0EE  R   HM                        1610T010     + 05000                        0 NS
```

QUALITY CHECKED

CITY AND STATE	ELEVATION: 433	THRE: 34C 363	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
SEATTLE, WA	AIRPORT NAME: SEATTLE-TACOMA INTL	THRE: 34R 347	I-TUC	ILS OR LOC RWY 34C, AMDT 3 ILS RWY 34C (SA CAT I) ILS RWY 34C (SA CAT II)	AMDT: 2B DATED: 05/07/2009

ALL AFFECTED PROCEDURES REVIEWED? ☐ YES ☐ NO	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE

COORDINATED WITH:

ATA ☐ AAT ☐ ALPA ☐ APA ☐ AOPA ☐ NBAA ☐ OTHER (specify) ☐ _____

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY		
NAME:	NFPG	DATE:
APPROVED BY		
NAME:	NFPG	DATE:

CHANGES:

REASONS:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
LOC STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICES - FAR PART 97.25

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.

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KSEAK1GRW34C   0094263433 N47261669W122184036+0700    +0087800363000056150IITUC1

                1         2         3         4         5         6         7         8         9         0         1         2         3
ILS     123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KSEAK1IITUC1   011170RW34CN47275435W1221839513433N47262560W1221846170470 09000405300E01705600367

                1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KSEAK1SSEA  K1D                 0   070180034251803400642534007002225                                                  M
```

QUALITY A CHECKED

CITY AND STATE	ELEVATION: 433 THRE: 34C 363	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
SEATTLE, WA	AIRPORT NAME: THRE: 34R 347 SEATTLE-TACOMA INTL	I-TUC	ILS OR LOC RWY 34C, AMDT 3 ILS RWY 34C (SA CAT I) ILS RWY 34C (SA CAT II)	AMDT: 2B DATED: 05/07/2009

ALL AFFECTED PROCEDURES REVIEWED? ☐ YES ☐ NO	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE

COORDINATED WITH:

ATA ☐ AAT ☐ ALPA ☐ APA ☐ AOPA ☐ NBAA ☐ OTHER (specify) ☐ _____

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY		
NAME:	NFPG	DATE:
APPROVED BY		
NAME:	NFPG	DATE:

CHANGES:

REASONS:

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.

ARINC SUMMARY - 424-18 - LOC

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	CIDUG	CIDUG	010	IAF	IF		FB					
	CIDUG	CFFJR	020		TF		FB				AA 05000	
	CIDUG	LORIE	030		TF		FB				AA 05000	
	CIDUG	ODBOE	040		CF		FB		343.3()	003.1	AA 04000	
	SONDR	SONDR	010	IAF	IF		FB				AA 06000	
	SONDR	LORIE	020		TF		FB				AA 05000	
	SONDR	ODBOE	030		CF		FB		343.3()	003.1	AA 04000	
		ODBOE	010	FACF	IF		FB				AA 04000	
		TIFYS	020	FAF	CF		FB		343.0()	005.0	AA 02400	
		RYBKA	021	SDF	CF		FB		343.0()	004.3	AA 01000	
		UFMOP	030	MAP	CF		FO		343.0()	001.4	AT 00578	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		VI		FB		345.0()			
	COYLA	050		CF		FB		341.0()	003.0	AA 03000	
	MGNUM	060		TF		FO				AA 05000	
	MGNUM	070		HM	R	FO		161.0()	T01.0	AA 05000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	SEA	N472607.34	W1221834.62	N4726.122	W12218.577
	ITUC (DME)	N472608.83	W1221844.23	N4726.147	W12218.737
	CFFJR	N470315.79	W1221852.35	N4703.263	W12218.873
	CIDUG	N470028.09	W1222257.83	N4700.468	W12222.964
	COYLA	N473048.39	W1221834.35	N4730.807	W12218.573
	LORIE	N471154.05	W1221847.87	N4711.901	W12218.798
	MGNUM	N473851.33	W1221833.74	N4738.856	W12218.562
	ODBOE	N471502.33	W1221846.24	N4715.039	W12218.771
	RYBKA	N472422.75	W1221841.36	N4724.379	W12218.689
	SONDR	N470725.69	W1222056.30	N4707.428	W12220.938
	TIFYS	N472003.60	W1221843.62	N4720.060	W12218.727
	UFMOP	N472546.71	W1221840.62	N4725.779	W12218.677
	RW34C	N472616.69	W1221840.36	N4726.278	W12218.673
	ITUC (LOC)	N472754.35	W1221839.51	N4727.906	W12218.659

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW34C	00363	56

QUALITY CHECKED

CITY AND STATE	ELEVATION: **433**	**THRE: 34C 363**	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
SEATTLE, WA	AIRPORT NAME: **SEATTLE-TACOMA INTL**	**THRE: 34R 347**	**I-TUC**	**ILS OR LOC RWY 34C, AMDT 3** **ILS RWY 34C (SA CAT I)** **ILS RWY 34C (SA CAT II)**	AMDT: **2B** DATED: **05/07/2009**

ALL AFFECTED PROCEDURES REVIEWED? ☐ YES ☐ NO	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE

COORDINATED WITH:

ATA ☐ AAT ☐ ALPA ☐ APA ☐ AOPA ☐ NBAA ☐ OTHER ☐ (specify) _____

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY		
NAME:	NFPG	DATE:
APPROVED BY		
NAME:	NFPG	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	CIDUG/SEA 25.84	LORIE/I-TUC	1. AAO	465839.00N/1221042.00W	1913 (4E)	1000	AT2087	5000
	DME	14.25 DME/RADAR	2. TERRAIN	465839.00N/1221042.00W	1713 (1700)		AS1500	3200
INITIAL	SONDR	LORIE/I-TUC	3. AAO	470633.00N/1221618.00W	837 (4E)	1000	AT3163	5000
		14.25 DME/RADAR	4. TERRAIN	470633.00N/1221618.00W	637 (600)		AS1500	2100
INTERMEDIATE	LORIE/I-TUC	ODBOE/I-TUC	5. AAO	471257.00N/1221554.00W	722 (4E)	500	AC98 AT2680	4000
	14.25 DME/RADAR	11.11 DME/RADAR	6. TERRAIN	471257.00N/1221554.00W	522 (500)		AS1500	2000
INTERMEDIATE:	ODBOE/I-TUC	TIFYS/I-TUC 6.09	7. AAO	471930.00N/1221751.00W	699 (4E)	500	AC98 AT1103	2400
STEPDOWN	11.11 DME/RADAR	DME/RADAR	8. TERRAIN	471930.00N/1221751.00W	499 (500)		AS1500	2000
FINAL: ILS	TIFYS/I-TUC 6.09	RW34C				ASC	MA17	580/217
	DME/RADAR							
FINAL: LOC	TIFYS/I-TUC 6.09	RYBKA/I-TUC 1.77	9. AAO	472049.08N/1221811.00W	739 (2C)	250		1000
	DME/RADAR	DME/RADAR						
2. PROCEDURE TURN	NA							
3. MISSED APPROACH MAP:	DA / 5.72 MILES	MGNUM/SEA 12.74	12. ATCT (53-001394)	472720.55N/1221805.18W	696 (1A)	ASC		5000
	AFTER TIFYS/TUC	DME/RADAR	13. TOWER (53-000500)	473656.35N/1221830.45W	1092 (4D)	1000		2100
ELEV:	404/510		14. TERRAIN	473027.00N/1222012.00W	483 (500)		AS1500	2000

4. CIRCLING AREA	DISTANCE		HT. ABV. ARPT.								
CATEGORY A	1.3 NM	REQUIRED	350	ACTUAL	567	12. ATCT (53-001394)	472720.55N/1221805.18W	696 (1A)	300		1000
CATEGORY B	1.5 NM		450		567	12. ATCT (53-001394)	472720.55N/1221805.18W	696 (1A)	300		1000
CATEGORY C	1.7 NM		450		567	12. ATCT (53-001394)	472720.55N/1221805.18W	696 (1A)	300		1000
CATEGORY D	2.3 NM		550		567	12. ATCT (53-001394)	472720.55N/1221805.18W	696 (1A)	300		1000
CATEGORY E	4.5 NM		550								

5. MINIMUM SAFE ALTITUDES — PRIMARY NAVAID: SEA VORTAC

SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A	SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A
360-160	AAO	074/ 28.1	5362 (2A)	6400	250-360	TWR (53-000358)	270/ 21.4	2395 (5E)	3400
160-250	AAO	160/ 24.4	1172 (4E)	2200					

QUALITY CHECKED

CITY AND STATE		FACILITY	PROCEDURE AND AMENDMENT NO:	REGION
SEATTLE, WA	ELEVATION: 433 AIRPORT NAME: SEATTLE-TACOMA INTL	I-TUC	ILS OR LOC RWY 34C, AMDT 3 ILS RWY 34C (SA CAT I) ILS RWY 34C (SA CAT II)	ANM

PART B - SUPPLEMENTAL DATA

1. COMMUNICATIONS WITH:	2. WEATHER SERVICE	3. ALTIMETER SETTING
SEA APP CON SEA TOWER ZSE ARTCC	N W S / F A A / A / C — OTHER: ASOS	SOURCE: KSEA DISTANCE: HOURS REMOTE OPERATION:
SATISFACTORY ON:		
X VHF X UHF HF	LOCATION: KSEA	ADJUSTMENT: 0

4. MONITOR STATUS	PRIMARY NAVAID: I-TUC		
	MONITOR POINT: ATCT		
	HRS OPTN:	CAT 1	24
		CAT 3	

5. APPROACH & RUNWAY LIGHTING	
X	ALSF-2 16C, 16L, 16R
	(S) SALS
X	MALSR 34L, 34C, 34R
X	HIRL 16C, 16L, 34L, 16R, 34C, 34R
	MIRL
	REIL
X	TDZ 16C, 16L, 16R, 34R
X	C/L 16C, 16L, 34L, 16R, 34C, 34R
X	OTHER (SPECIFY) PAPI-4R 16R PAPI-4L 16C, 16L, 34L, 34C, 34R

6. RUNWAY MARKINGS	BASIC	
	ALL WEATHER	PIR-G 16C, 16L, 34L, 16R, 34C, 34R
	INSTRUMENT	
7. RUNWAY VISUAL RANGE	APPROACH	16C, 16L, 34L, 16R, 34C, 34R
	MIDFIELD	16C, 16L, 34L, 16R, 34C, 34R
	ROLL OUT	16C, 16L, 34L, 16R, 34C, 34R

8. GLIDE PATH		
GP ANGLE: 3.00	ELEV RWY THRESHOLD: 363.0	
DISTANCE FROM RWY: 900	ELEV GP ANTENNA: 370.2	
	THRESHOLD CROSSING HEIGHT: 55.7	

9. FINAL APPROACH COURSE AIMING			
	X	RUNWAY THRESHOLD	FT. FROM THRESHOLD
	X	ON CENTERLINE	FT. FROM CENTERLINE

10. WAIVERS: NONE

PART D - PREPARED BY: JON DENTON	DATE: 11/03/2012
TITLE: AERONAUTICAL INFORMATION SPECIALIST	OFFICE: AJV-354

PART C - REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

PART B: SUPPLEMENTAL DATA
2. KSTL ASOS ON SERVICE A. HRS OPTN: 24.
3. BACKUP ALTIMETER SOURCE NOT REQUIRED DUE TO REDUNDANT LOCAL SOURCES.

VGSI DATA: 3.00/75.3

FLIGHT CHECK RDH 55.67FT, (ORDER 8260.3B, CHG 19)

SEE ATTACHED AIRSPACE LETTER.

VEGETATION HEIGHT: 100 FT

MEMO DATED 12/28/2007 IMPLEMENTING ORDER 8260.3B USED TO AUTHORIZE SA CAT I/II WITH CAT I 217 HATH.

XP 34: INCREASED TO MATCH 34C MDA

MISSED APPROACH OBSTACLES CONT.
ALTERNATE:
ASC 5000
13. TOWER (53-000500) 473656.35N/1221830.45W 1092 (4D)
1000 2100
15. TERRAIN 475148.00N/1221706.00W 614 (600) AS1500
2100

QUALITY 4 CHECKED

STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD

PART - A OBSTRUCTION DATA

1. APP SEGMENT	FROM	TO	OBSTRUCTION	COORDINATES	ELEV. MSL	ROC	ALT. ADJUSTMENTS	MIN. ALT.
FINAL: LOC STEPDOWN	RYBKA/I-TUC 1.77	5.72 MILES AFTER	10. TREE (KSEA0038)	472529.18N/1221857.48W	507 (1A)	250		760
	DME/RADAR	TIFYS/TUC 6.09						
		DME/RADAR OR AT						
		UFMOP/I-TUC						
		0.37 DME/RADAR						
		FIX						
FINAL: LOC SIDESTEP 34R	RYBKA/I-TUC 1.77	RW34R	11. TREE (KSEA0033)	472523.58N/1221844.67W	476 (1A)	250	XP34	760
	DME/RADAR							
FINAL: ILS SA CAT I	TIFYS/I-TUC 6.09	RW34C				ASC		513/150
	DME/RADAR							
FINAL: ILS SA CAT II	TIFYS/I-TUC 6.09	RW34C				ASC		463/100
	DME/RADAR							
3. MISSED APPROACH MAP:								
ELEV:								

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

5. MINIMUM SAFE ALTITUDES — PRIMARY NAVAID:

SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A	SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A

VALID 4 CHECKED

CITY AND STATE		FACILITY	PROCEDURE AND AMENDMENT NO:	REGION
SEATTLE, WA	ELEVATION: 433 AIRPORT NAME: SEATTLE-TACOMA INTL	I-TUC	ILS OR LOC RWY 34C, AMDT 3 ILS RWY 34C (SA CAT I) ILS RWY 34C (SA CAT II)	ANM

PART B - SUPPLEMENTAL DATA

1. COMMUNICATIONS WITH:	2. WEATHER SERVICE	3. ALTIMETER SETTING
SATISFACTORY ON:	☐ NWS OTHER:	SOURCE:
	☐ FAA	DISTANCE:
	☐ A/C	HOURS REMOTE OPERATION:
☐ VHF ☐ UHF ☐ HF	LOCATION:	ADJUSTMENT:

4. MONITOR STATUS	PRIMARY NAVAID:	
	MONITOR POINT:	
	HRS OPTN: CAT 1	
	HRS OPTN: CAT 3	

5. APPROACH & RUNWAY LIGHTING		
	☐	**ALS**
	☐	**(S) SALS**
	☐	**MALS**
	☐	**HIRL**
	☐	**MIRL**
	☐	**REIL**
	☐	**TDZ**
	☐	**C/LINE**
	☐	**OTHER (SPECIFY)**

6. RUNWAY MARKINGS	BASIC	
	ALL WEATHER	
	INSTRUMENT	
7. RUNWAY VISUAL RANGE	APPROACH	
	MIDFIELD	
	ROLL OUT	
8. GLIDE PATH	GP ANGLE:	ELEV RWY THRESHOLD:
	DISTANCE FROM RWY:	ELEV GP ANTENNA:
		THRESHOLD CROSSING HEIGHT:

9. FINAL APPROACH COURSE AIMING			
	☐	RUNWAY THRESHOLD	FT. FROM THRESHOLD
	☐	ON CENTERLINE	FT. FROM CENTERLINE

10. WAIVERS:

PART D - PREPARED BY:	DATE:
TITLE:	OFFICE:

PART C - REMARKS:

RADIO FIX AND HOLDING DATA RECORD

NAME: CFFJR **STATE:** WA **COUNTRY:** US

LATITUDE/LONGITUDE: 470315.79N/1221852.35W **TYPE:** CNF

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** ESTABLISH

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 34C			KSEA	SEATTLE	WA (US)
IAP	ILS RWY 34C (SA CAT I, SA CAT II)			KSEA	SEATTLE	WA (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 03/07/2013

DEVELOPED BY: **DATE:** 10/30/2012 **OFFICE:** AJV-354 **NAME:** JON DENTON

APPROVED BY: **DATE:** **OFFICE:** AJV-354 **NAME:** DEBORAH COPELAND

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: WST
ARTCC: ZSE
ATC FACILITY: SEA ATCT, SEA APP CON
OTHER:

QUALITY 4 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: CIDUG **STATE:** WA **COUNTRY:** US

LATITUDE/LONGITUDE: 470028.09N/1222257.83W **TYPE:** WP, INT, DME

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** MODIFY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	SEATTLE	SEA	VORTAC	H	167.67	186.67	25.84	25.84		5000	17500
2	MCCHORD	TCM	VORTAC	T	133.70	155.70	9.21	9.21		5000	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
TCM	VORTAC	R-134	10	12200	17500

HOLDING: **HOLDING TYPE OF ACTION:** NO CHANGE

REMARKS:
SEATTLE (FAC 1) AND MCCHORD (FAC 2) USED TO ESTABLISH FIX COORDINATES

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V495	1, 2				(US)
IAP	RNAV (GPS)-A			KS50	AUBURN	WA (US)
IAP	ILS OR LOC RWY 34C	1		KSEA	SEATTLE	WA (US)
IAP	ILS OR LOC RWY 34L	1		KSEA	SEATTLE	WA (US)
IAP	ILS OR LOC RWY 34R	1		KSEA	SEATTLE	WA (US)
IAP	ILS RWY 34C (SA CAT I, SA CAT II)	1		KSEA	SEATTLE	WA (US)
IAP	ILS RWY 34L (SA CAT I, SA CAT II)	1		KSEA	SEATTLE	WA (US)
IAP	ILS RWY 34R (SA CAT I, CAT II)	1		KSEA	SEATTLE	WA (US)
IAP	RNAV (GPS) Y RWY 34C			KSEA	SEATTLE	WA (US)
IAP	RNAV (GPS) Y RWY 34L			KSEA	SEATTLE	WA (US)
IAP	RNAV (GPS) Y RWY 34R			KSEA	SEATTLE	WA (US)

REQUIRED CHARTING: IAP, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 8 **DATE OF REVISION:** 03/07/2013

REASON FOR REVISION:
UPDATED FIX USE
REMOVED FAC 3
UPDATED FAC 1 ADDED 25.84 DIST FROM FAC
UPDATED FAC 2 ADDED 9.21 DME AND DIST FROM FAC
UPDATED ESV INFORMATION
ADDED NOTE TO REMARKS "SEATTLE (FAC 1) AND MCCHORD (FAC 2) USED TO ESTABLISH FIX COORDINATES"

DEVELOPED BY: **DATE:** 08/29/2012 **OFFICE:** AJV-354 **NAME:** BRYAN BLUE

APPROVED BY: **DATE:** **OFFICE:** AJV-354 **NAME:** DEZ SILAGYI

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: SEA
ARTCC: ZSE
ATC FACILITY: SEA APP CON,SEA ATCT
OTHER:

QUALITY A CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: COYLA **STATE:** WA **COUNTRY:** US

LATITUDE/LONGITUDE: 473048.39N/1221834.35W **TYPE:** RADAR, DME

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** MODIFY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	SEATTLE	SEA	VORTAC	H	341.04	000.04	4.69	4.69		1200	17500

HOLDING: **HOLDING TYPE OF ACTION:** NO CHANGE

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 34C	1		KSEA	SEATTLE	WA (US)
IAP	ILS OR LOC RWY 34R	1		KSEA	SEATTLE	WA (US)
IAP	ILS RWY 34C (SA CAT I, SA CAT II)	1		KSEA	SEATTLE	WA (US)
IAP	ILS RWY 34R (SA CAT I, SA CAT II)	1		KSEA	SEATTLE	WA (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1 **DATE OF REVISION:** 03/07/2013

REASON FOR REVISION:
ADDED DIST FROM FAC FOR FAC 1.
DELETED FAC 2 DATA.
UPDATED FIX USE.

DEVELOPED BY: **DATE:** 10/30/2012 **OFFICE:** AJV-354 **NAME:** JON DENTON

APPROVED BY: **DATE:** **OFFICE:** AJV-354 **NAME:** DEBORAH COPELAND

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: WST
ARTCC: ZSE
ATC FACILITY: SEA/SEA
OTHER:

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: LORIE **STATE:** WA **COUNTRY:** US

LATITUDE/LONGITUDE: 471154.05N/1221847.87W **TYPE:** WP, RADAR, DME

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** MODIFY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM FEET	MRA	MAA
1	SEATTLE	I-TUC	LOC/DME		163.34	180.34	14.25	16.01	5000	7000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
I-TUC	LOC/DME	R-163	17	50	70

HOLDING: **HOLDING TYPE OF ACTION:** NO CHANGE

REMARKS:
SEATTLE (FAC 1) USED TO ESTABLISH FIX COORDINATES
I-SZI DME ANTENNA COORDINATES: 472608.83N-1221844.23W.
FIX PLACED 87404.72' FROM R34C THRESHOLD, USED RNP PFAF FORMULA.
ESV'S: I-TUC (GS): R-163/15NM 50; I-SZI (DME): R-163/15NM 50-70.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 34C	1		KSEA	SEATTLE	WA (US)
IAP	ILS RWY 34C (SA CAT I, SA CAT II)	1		KSEA	SEATTLE	WA (US)
IAP	RNAV (GPS) Y RWY 34C			KSEA	SEATTLE	WA (US)
IAP	RNAV (RNP) Z RWY 34C			KSEA	SEATTLE	WA (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 4 **DATE OF REVISION:** 03/07/2013

REASON FOR REVISION:
1. FAC 1 DME CHANGED FROM 13.72 TO 14.25.
2. REMOVED FAC 2, NO LONGER REQUIRED.
3. UPDATED FIX USE.
4. FIX MOVED 3247.32FT SOUTH FOR RNP PFAF LOCATION FOR 5000, USED FOR SIMULTANEOUS OPS.

DEVELOPED BY: **DATE:** 10/15/2012 **OFFICE:** AJV-354 **NAME:** ROY CURRIE

APPROVED BY: **DATE:** **OFFICE:** AJV-354 **NAME:** DEBORAH COPELAND

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: WST
ARTCC: ZSE
ATC FACILITY: SEA APP CON, SEA ATCT
OTHER:

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: MGNUM **STATE:** WA **COUNTRY:** US

LATITUDE/LONGITUDE: 473851.33N/1221833.74W **TYPE:** WP, RADAR, DME

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** MODIFY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	SEATTLE	I-SZI	LOC/DME		343.34	000.34	12.72	12.75		4000	4800
2	SEATTLE	SEA	VORTAC	H	341.04	000.04	12.74	12.74		4000	4800
3	PAINE	PAE	VOR/DME	L	164.48	184.48	16.39	16.39		4000	4800

HOLDING: **HOLDING TYPE OF ACTION:** MODIFY

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	LEG LENGTH DME	HOLDING ALTITUDES MIN	HOLDING ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	N	SEA	VORTAC	341.04	161.04	R	1		5000	10000	5	9
2	N		WP	343.04	163.04	R		5	5000	10000	6	10

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (53-000500)	473656.35N/1221830.45W	1092	4D
1	310	TOWER (53-000500)	473656.35N/1221830.45W	1092	4D
2	200	TOWER (53-000500)	473656.35N/1221830.45W	1092	4D
2	310	TOWER (53-000500)	473656.35N/1221830.45W	1092	4D

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERN.

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	ILS OR LOC RWY 34R	KSEA	SEATTLE	WA (US)
1	ILS RWY 34R (SA CAT I, SA CAT II)	KSEA	SEATTLE	WA (US)
1	ILS OR LOC RWY 34C	KSEA	SEATTLE	WA (US)
1	ILS RWY 34C (SA CAT I, SA CAT II)	KSEA	SEATTLE	WA (US)
2	RNAV (GPS) Y RWY 34R	KSEA	SEATTLE	WA (US)
2	RNAV (GPS) Y RWY 34C	KSEA	SEATTLE	WA (US)
2	RNAV (RNP) Z RWY 34C	KSEA	SEATTLE	WA (US)
2	RNAV (RNP) Z RWY 34R	KSEA	SEATTLE	WA (US)

REMARKS:
SEATTLE (FAC 1) USED TO ESTABLISH FIX COORDINATES
DME COORDINATES: 472608.83N/1221844.23W
FIX LOCATION DETERMINED IAW 8260.54A, FORMULA 2-16B.
PRECIPITOUS TERRAIN EVALUATION COMPLETED.
CLIMB IN HOLD EVALUATED TO 10000.
ESV: SZI GS 343/12/40/48

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 16C	1		KSEA	SEATTLE	WA (US)
IAP	ILS OR LOC RWY 34C	1, 2, 3	1	KSEA	SEATTLE	WA (US)
IAP	ILS OR LOC RWY 34R	1, 2, 3	1	KSEA	SEATTLE	WA (US)
IAP	ILS RWY 16C (SA CAT I,CAT II,III)	1		KSEA	SEATTLE	WA (US)
IAP	ILS RWY 34C (SA CAT I, SA CAT II)	1, 2, 3	1	KSEA	SEATTLE	WA (US)
IAP	ILS RWY 34R (SA CAT I, SA CAT II)	1, 2, 3	1	KSEA	SEATTLE	WA (US)
IAP	RNAV (GPS) Y RWY 16C			KSEA	SEATTLE	WA (US)
IAP	RNAV (GPS) Y RWY 34C		2	KSEA	SEATTLE	WA (US)
IAP	RNAV (GPS) Y RWY 34R		2	KSEA	SEATTLE	WA (US)
IAP	RNAV (RNP) Z RWY 16C			KSEA	SEATTLE	WA (US)
IAP	RNAV (RNP) Z RWY 34C		2	KSEA	SEATTLE	WA (US)
IAP	RNAV (RNP) Z RWY 34R		2	KSEA	SEATTLE	WA (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 5 **DATE OF REVISION:** 03/07/2013

REASON FOR REVISION:

QUALITY 4 CHECKED

FIX MOVED 1939.43 FT NORTH.
UPDATED FIX COORDINATES.
ADDED DISTANCE FROM FAC FOR FACS 1, 2 AND 3.
DELETED FAC 4 DATA.
CHANGED FAC 1 DME FROM 12.40 TO 12.72.
CHANGED FAC 2 DME FROM 12.42 TO 12.74.
CHANGED FAC 3 BRG/DME FROM 184.40/16.71 TO 184.48/16.39.
CHANGED GS ESV DME FROM 11 TO 12NM.
UPDATED FIX USE.

DEVELOPED BY: **DATE:** 10/12/2012 **OFFICE:** AJV-354 **NAME:** JON DENTON

APPROVED BY: **DATE:** **OFFICE:** AJV-354 **NAME:** DEBORAH COPELAND

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: WST
ARTCC: ZSE
ATC FACILITY: SEA APP CON,SEA ATCT
OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: RYBKA **STATE:** WA **COUNTRY:** US

LATITUDE/LONGITUDE: 472422.75N/1221841.36W **TYPE:** WP, RADAR, DME

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** MODIFY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	SEATTLE	I-TUC	LOC/DME		163.34	180.34	1.77	3.53		920	4900

HOLDING: **HOLDING TYPE OF ACTION:** NO CHANGE

REMARKS:
SEATTLE (FAC 1) USED TO ESTABLISH FIX COORDINATES
I-TUC DME ANTENNA COORDINATES: 472608.83N-1221844.23W

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 34C	1		KSEA	SEATTLE	WA (US)
IAP	ILS RWY 34C (SA CAT I, SA CAT II)	1		KSEA	SEATTLE	WA (US)
IAP	RNAV (GPS) Y RWY 34C			KSEA	SEATTLE	WA (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3 **DATE OF REVISION:** 03/07/2013

REASON FOR REVISION:
1. FIX MOVED 2430.76FT SOUTH FROM: 472446.74N/1221841.15W
2. FAC 1 DME DIST CHANGED FROM 1.37 AND MRA CHANGED FROM 800.
3. REMOVED FAC 2, NO LONGER REQUIRED.
4. UPDATED FIX USE.
5. ADDED WP TO FIX TYPE.

DEVELOPED BY: **DATE:** 10/25/2012 **OFFICE:** AJV-354 **NAME:** ROY CURRIE

APPROVED BY: **DATE:** **OFFICE:** AJV-354 **NAME:** DEBORAH COPELAND

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: WST
ARTCC: ZSE
ATC FACILITY: SEA APP CON, SEA ATCT
OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: ODBOE **STATE:** WA **COUNTRY:** US

LATITUDE/LONGITUDE: 471502.33N/1221846.24W **TYPE:** WP, RADAR, DME

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** MODIFY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	SEATTLE	I-TUC	LOC/DME		163.34	180.34	11.11	12.87		4000	4900

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
I-TUC	LOC/DME	R-163	13	40	40

HOLDING: **HOLDING TYPE OF ACTION:** NO CHANGE

REMARKS:
SEATTLE (FAC 1) USED TO ESTABLISH FIX COORDINATES
I-SZI DME ANTENNA COORDINATES: 472608.83N-1221844.23W

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 34C	1		KSEA	SEATTLE	WA (US)
IAP	ILS RWY 34C (SA CAT I, SA CAT II)	1		KSEA	SEATTLE	WA (US)
IAP	RNAV (GPS) Y RWY 34C			KSEA	SEATTLE	WA (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1 **DATE OF REVISION:** 03/07/2013

REASON FOR REVISION:
1. FIX MOVED 2012.24FT SOUTH FROM: 471522.19N/1221846.06W FOR 4000FT POINT ON GS.
2. REMOVED FAC 2, NO LONGER REQUIRED.
3. REMOVED REMARK FOR FIX PLACEMENT AND RNP PFAF FORMULA USED, NO LONGER REQUIRED.
4. UPDATED FIX USE FOR FORMAT.

DEVELOPED BY: **DATE:** 10/25/2012 **OFFICE:** AJV-354 **NAME:** ROY CURRIE

APPROVED BY: **DATE:** **OFFICE:** AJV-354 **NAME:** DEBORAH COPELAND

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: WST
ARTCC: ZSE
ATC FACILITY: SEA APP CON, SEA ATCT
OTHER:

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: SONDR **STATE:** WA **COUNTRY:** US

LATITUDE/LONGITUDE: 470725.69N/1222056.30W **TYPE:** WP

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** MODIFY

FIX RESTRICTIONS:
SPECIAL RNAV (RNP) M RWY 34L, KSEA, SEATTLE, WA

HOLDING: **HOLDING TYPE OF ACTION:** NO CHANGE

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 34C			KSEA	SEATTLE	WA (US)
IAP	ILS OR LOC RWY 34L			KSEA	SEATTLE	WA (US)
IAP	ILS OR LOC RWY 34R			KSEA	SEATTLE	WA (US)
IAP	ILS RWY 34C (SA CAT I, SA CAT II)			KSEA	SEATTLE	WA (US)
IAP	ILS RWY 34L (SA CAT I, SA CAT II)			KSEA	SEATTLE	WA (US)
IAP	ILS RWY 34R (SA CAT I, SA CAT II)			KSEA	SEATTLE	WA (US)
IAP	RNAV (GPS) Y RWY 34C			KSEA	SEATTLE	WA (US)
IAP	RNAV (GPS) Y RWY 34L			KSEA	SEATTLE	WA (US)
IAP	RNAV (GPS) Y RWY 34R			KSEA	SEATTLE	WA (US)
IAP	RNAV (RNP) M RWY 34L			KSEA	SEATTLE	WA (US)
IAP	RNAV (RNP) Z RWY 34C			KSEA	SEATTLE	WA (US)
IAP	RNAV (RNP) Z RWY 34L			KSEA	SEATTLE	WA (US)
IAP	RNAV (RNP) Z RWY 34R			KSEA	SEATTLE	WA (US)
STAR	HAWKZ (RNAV)			KSEA	SEATTLE	WA (US)

REQUIRED CHARTING: STAR, IAP, SPECIAL IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1 **DATE OF REVISION:** 03/07/2013

REASON FOR REVISION:
CHANGED SPECIAL FIX RESTRICTION TO RNAV (RNP) M RWY 34L VICE MARNR RNAV STAR.
MOVED FIX 1.27 NM SOUTH AND UPDATED COORDINATES, NAME RETAINED PER ATC REQUEST - OPPERATIONAL ADVANTAGE.
UPDATED FIX USE, CONVERTED HAWKZ FROM SPECIAL TO PUBLIC USE.

DEVELOPED BY: **DATE:** 10/10/2012 **OFFICE:** AJV-354 **NAME:** DION LANCIA

APPROVED BY: **DATE:** **OFFICE:** AJV-354 **NAME:** DEZ SILAGYI

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: WST
ARTCC: ZSE
ATC FACILITY: SEA APP CON
OTHER:

QUALITY A CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: TIFYS **STATE:** WA **COUNTRY:** US

LATITUDE/LONGITUDE: 472003.60N/1221843.62W **TYPE:** WP, RADAR, DME

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** MODIFY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	SEATTLE	I-TUC	LOC/DME		163.34	180.34	6.09	7.85	47698	2400	4900

HOLDING: **HOLDING TYPE OF ACTION:** NO CHANGE

REMARKS:
SEATTLE (FAC 1) USED TO ESTABLISH FIX COORDINATES
I-TUC DME ANTENNA COORDINATES: 472608.83N-1221844.23W

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 34C	1		KSEA	SEATTLE	WA (US)
IAP	ILS RWY 34C (SA CAT I, SA CAT II)	1		KSEA	SEATTLE	WA (US)
IAP	RNAV (GPS) Y RWY 34C			KSEA	SEATTLE	WA (US)
IAP	RNAV (RNP) Z RWY 34C			KSEA	SEATTLE	WA (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 5 **DATE OF REVISION:** 03/07/2013

REASON FOR REVISION:
1. FIX MOVED 631.24FT SOUTH FROM: 472009.83N/1221843.56W FOR PFAF LOCATION AT 2400.
2. FAC 1 DME DISTANCE UPDATED FROM 5.99.
3. REMOVED FAC 2, NO LONGER REQUIRED.
4. CORRECTED REMARK FOR DME ANTENNA FROM: I-SZI; TO: I-TUC
5. UPDATED FIX USE.
6. REMOVED REMARK "USED RNP PFAF FORMULA".

DEVELOPED BY: **DATE:** 10/16/2012 **OFFICE:** AJV-354 **NAME:** ROY CURRIE

APPROVED BY: **DATE:** **OFFICE:** AJV-354 **NAME:** DEBORAH COPELAND

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: WST
ARTCC: ZSE
ATC FACILITY: SEA APP CON, SEA ATCT
OTHER:

QUALITY 4 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: UFMOP **STATE:** WA **COUNTRY:** US

LATITUDE/LONGITUDE: 472546.71N/1221840.62W **TYPE:** DME

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** ESTABLISH

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	SEATTLE	I-TUC	LOC/DME		163.34	180.34	0.37	2.13		660	4900

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 34C	1		KSEA	SEATTLE	WA (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 03/07/2013

DEVELOPED BY: **DATE:** 11/02/2012 **OFFICE:** AJV-354 **NAME:** JON DENTON

APPROVED BY: **DATE:** **OFFICE:** AJV-354 **NAME:** DEBORAH COPELAND

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: WST
ARTCC: ZSE
ATC FACILITY: SEA/SEA
OTHER:

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: PAINE VOR/DME **STATE:** WA **COUNTRY:** US

LATITUDE/LONGITUDE: 475511.40N/1221640.20W **TYPE:**

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** MODIFY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	FAC FEET	MRA	MAA
1	PAINE	PAE	VOR/DME	L							17500

FIX RESTRICTIONS:
SPECIAL RNAV (RNP) M RWY 16R, KSEA, SEATTLE, WA

HOLDING: **HOLDING TYPE OF ACTION:** NO CHANGE

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	LEG LENGTH DME	HOLDING ALTITUDES MIN	HOLDING ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	NW	PAE	VOR/DME	329.04	149.04	R	1-1 1/2		2000	17500	4	16

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	200' AAO	475148.00N/1221706.00W	814	4E
1	310	200' AAO	475148.00N/1221706.00W	814	4E

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERN

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	BELLEVUE (LOST COMMUNICATIONS)	KRNT	RENTON	WA (US)

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETED: NO ADJUSTMENT

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	ARLINGTON			KAWO	ARLINGTON	WA (US)
DP	KIENO (OBSTACLE)			KBLI	BELLINGHAM	WA (US)
DP	PAINE			KPAE	EVERETT	WA (US)
DP	TAKE-OFF MINIMUMS			KPAE	EVERETT	WA (US)
DP	YELM			KOLM	OLYMPIA	WA (US)
DP	BELLEVUE (LOST COMMUNICATIONS)		1	KRNT	RENTON	WA (US)
DP	KENT			KBFI	SEATTLE	WA (US)
DP	NEEDLE			KBFI	SEATTLE	WA (US)
DP	BANGR (RNAV)			KSEA	SEATTLE	WA (US)
DP	HAROB (RNAV)			KSEA	SEATTLE	WA (US)
DP	MOUNTAIN			KSEA	SEATTLE	WA (US)
DP	SEATTLE			KSEA	SEATTLE	WA (US)
DP	SUMMA			KSEA	SEATTLE	WA (US)
EN ROUTE	V23					(US)
EN ROUTE	V287					(US)
IAP	LOC RWY 34			KAWO	ARLINGTON	WA (US)
IAP	NDB RWY 34			KAWO	ARLINGTON	WA (US)
IAP	RNAV (GPS) RWY 34			KAWO	ARLINGTON	WA (US)
IAP	RNAV (GPS) RWY 29			KBVS	BURLINGTON/MOUNT VERNON	WA (US)
IAP	ILS OR LOC/DME Y RWY 16R			KPAE	EVERETT	WA (US)
IAP	ILS OR LOC/DME Z RWY 16R			KPAE	EVERETT	WA (US)
IAP	ILS Z RWY 16R (SA CAT II)			KPAE	EVERETT	WA (US)
IAP	RNAV (GPS) RWY 34L			KPAE	EVERETT	WA (US)
IAP	RNAV (GPS) Y RWY 16R			KPAE	EVERETT	WA (US)
IAP	RNAV (GPS) Z RWY 16R			KPAE	EVERETT	WA (US)
IAP	VOR RWY 16R		1	KPAE	EVERETT	WA (US)
IAP	VOR/DME RWY 16R		1	KPAE	EVERETT	WA (US)
IAP	RNAV (GPS) Y RWY 16			KRNT	RENTON	WA (US)
IAP	RNAV (GPS) Z RWY 16			KRNT	RENTON	WA (US)
IAP	ILS OR LOC RWY 31L			KBFI	SEATTLE	WA (US)
IAP	RNAV (GPS) Y RWY 13R			KBFI	SEATTLE	WA (US)
IAP	RNAV (RNP) Z RWY 13R			KBFI	SEATTLE	WA (US)
IAP	ILS OR LOC RWY 16C			KSEA	SEATTLE	WA (US)
IAP	ILS OR LOC RWY 16L			KSEA	SEATTLE	WA (US)
IAP	ILS OR LOC RWY 16R			KSEA	SEATTLE	WA (US)
IAP	ILS OR LOC RWY 34C		1	KSEA	SEATTLE	WA (US)
IAP	ILS OR LOC RWY 34L		1	KSEA	SEATTLE	WA (US)
IAP	ILS OR LOC RWY 34R		1	KSEA	SEATTLE	WA (US)
IAP	ILS RWY 16C (CAT II/III)			KSEA	SEATTLE	WA (US)
IAP	ILS RWY 16L (CAT II/III)			KSEA	SEATTLE	WA (US)

INFO ONLY
QUALITY 4 CHECKED

IAP	ILS RWY 16R (CAT II/III)		KSEA	SEATTLE	WA (US)
IAP	ILS RWY 16R (SA CAT 1),		KSEA	SEATTLE	WA (US)
IAP	ILS RWY 34C (SA CAT I, CAT II)	1	KSEA	SEATTLE	WA (US)
IAP	ILS RWY 34L (SA CAT I, CAT II)	1	KSEA	SEATTLE	WA (US)
IAP	ILS RWY 34R (SA CAT I, CAT II)	1	KSEA	SEATTLE	WA (US)
IAP	RNAV (GPS) Y RWY 16C		KSEA	SEATTLE	WA (US)
IAP	RNAV (GPS) Y RWY 16L		KSEA	SEATTLE	WA (US)
IAP	RNAV (RNP) M RWY 16R		KSEA	SEATTLE	WA (US)
IAP	RNAV (RNP) Z RWY 16C		KSEA	SEATTLE	WA (US)
IAP	RNAV (RNP) Z RWY 16L		KSEA	SEATTLE	WA (US)
IAP	RNAV (RNP) Z RWY 16R		KSEA	SEATTLE	WA (US)
IAP	RNAV (GPS)-A		KS43	SNOHOMISH	WA (US)
STAR	MADEE (RNAV)		CYXX	ABBOTSFORD, BRITISH COLUMBIA	(CA)
STAR	MADEE (RNAV)		KBLI	BELLINGHAM	WA (US)
STAR	EPHRATA		KSEA	SEATTLE	WA (US)
STAR	GLASR		KSEA	SEATTLE	WA (US)
STAR	JAWBN		KSEA	SEATTLE	WA (US)

REQUIRED CHARTING: DP, STAR, IAP, CONTROLLER, EN ROUTE LOW, EN ROUTE HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 7 **DATE OF REVISION:** 05/05/2011

REASON FOR REVISION:
UPDATE HOLDING RESTRICTIONS
UPDATE FIX USE
UPDATE REQUIRED CHARTING

DEVELOPED BY: **DATE:** 10/06/2010 **OFFICE:** AVN-130 **NAME:** JOHN WALKER

APPROVED BY: **DATE:** 03/01/2011 **OFFICE:** AVN-130 **NAME:** DEZ SILAGYI

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: WST
ARTCC: ZSE
ATC FACILITY: SEA
OTHER: PAE ATCT

TERMINAL AIRSPACE DATA REQUIREMENTS

CITY: **SEATTLE** STATE: **WA**

AIRPORT NAME: **SEATTLE-TACOMA INTL** ID: **KSEA**

PROCEDURE: **ILS OR LOC RWY 34C** AMDT: ~~**ORIG**~~ AMDT 3

DOCKET#:
(96-AXX-X/Required/Not Required)

ALL DIST TO 1/100 NM; ELEV TO NEAREST FT; COORD TO 1/100 SEC; DEG TO 1/100 DG.

1. Distance from (Enter THLD, FAF, ARP, FACILITY, as appropriate)	**THLD**	to 1000' point	**3.40**
2. Width of (Enter appropriate segment, final, intermediate, etc.)	**FINAL**	segment at 1000' point	**0.95**
3. True Course of	**FINAL**	segment containing 1000' point	**000.34**
4. High Terrain in	**FINAL**	segment containing 1000' point	**470**
5. Distance from (If 1500' point in PT maneuvering area or holding pattern note in remarks)	**THLD**	to 1500' point	**5.42**
6. Width of	**FINAL**	segment at 1500' point	**1.39**
7. True Course of	**FINAL**	segment containing 1500' point	**000.34**
8. High Terrain in	**FINAL**	segment containing 1500' point	**470**

9. Threshold Coordinates (if straight-in) ... **472616.69N** / **1221840.36W**

10. ARP Coordinates ..... **472659.60N** / **1221842.40W**

11. Runway Approach End and distance furthest from ARP ..... RWY **34R**

Distance **1.13** NM

12. FAF Coordinates ..... **472006.60N** / **1221843.62W**

REMARKS: Approach/Drawing attached.
SINGLE 1500 FT POINT BETWEEN MGNUM AND ANVIL.

US Department of Transportation
Federal Aviation Administration

FLIGHT PROCEDURES STANDARDS WAIVER

FLIGHT STANDARDS USE ONLY

CONTROL NO:

1. Flight Procedure Identification:
SEATTLE-TACOMA INTL
Seattle, WA
ILS OR LOC RWY 34C

2. Waiver Required and Applicable Standard:
Waiver Required: To use an "at or below" altitude in the missed approach.
Applicable Standard: FAAO 8260.3B, Volume 1, Para 274 (Straight Missed Approach Obstacle Clearance).

3. Reason for Waiver *(Justification for nonstandard treatment)*:
Air traffic has a need to keep aircraft that are executing a missed approach at 2000 ft while they are within 1 NM of the airport due to other traffic overflying the airport at 3000 ft.

4. Equivalent Level of Safety Provided:
A level surface, with 1000 ft of ROC provided, was applied to the initial portion of the missed approach from the missed approach point to the fix with the "at or below" altitude restriction.

5. How Relocation or Additional Facilities Will Affect Waiver Requirement:
Relocation or additional facilities will have no affect on waiver requirement.

6. Coordination With User Organizations (Specify):
AJV-354:_____

7. SUBMITTED BY

DATE:	Office Identification:	Title:	Signature:
10/11/2012	AJV-35	Gregory Yamamoto, Manager, Terminal Products Group.	

FAA FORM 8260 - 1 / July 2003 (computer generated)

8. CONTINUATION
Comments:

9. AFS ACTION	☐ Approved ☐ Disapproved ☐ Not Required

Comments:

Date:	Routing Symbol:	Signature:

RADIO FIX AND HOLDING DATA RECORD

NAME: DIYVE **STATE:** WA **COUNTRY:** US

LATITUDE/LONGITUDE: 470315.79N/1221852.35W **TYPE:** CNF

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** CANCEL

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
I-TUC (LOC): R-161/25NM 5,000-7,000					
I-SZI (DME): R-161/23NM 5,000-7,000					

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP				KSEA	SEATTLE	WA (US)
	SEATTLE-TACOMA INTL - ILS OR LOC RWY 34C, ILS RWY 34C (CAT II)					

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 07/05/2007

DEVELOPED BY: **DATE:** 01/09/2007 **OFFICE:** AVN-130 **NAME:** LORETTA ZUEST

APPROVED BY: **DATE:** **OFFICE:** AJV-354 **NAME:** DEBORAH COPELAND

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: SEA
ARTCC: ZSE
ATC FACILITY: SEA/SEA
OTHER:

QUALITY CHECKED

CANCELLED