Flight Procedure Tracking Form	Action: FLIGHT CHECK	Task Type: IAP	Date Open: 03/09/2011	Task #: 2011030931512302001	Request #: 20110309315123
Procedure: ILS OR LOC RWY 34 L AMDT 1		Airport ID: KSEA	**Airport:** SEATTLE-TACOMA INTL		Reimbursable #:
City: SEATTLE	**ST:** WA	GPS #:		Estimated Chart Date: 03/07/2013	FICO #:
Fac ID: BEJ	**Fac. Type:** ILS		**Specialist:** BRYAN BLUE		

Procedure Review

P1

	Rec'd	Rel'd	Full Name	Comments
Lead:	08/17/2012	11/20/2012	STEVEN SZUKALA	
QA:	11/20/2012	11/20/2012	STEVEN SZUKALA	
Liaison:	11/20/2012		Spurlin	

Procedure Comments: ENROUTE **Remark Type:** INFORMATION

pkg 2 of 2

SEATTLE, WA SEATTLE-TACOMA INTL (KSEA) ILS OR LOC RWY 34L, AMDT 1 ENROUTE-YES FC: 1.8.13 PUB: 3.7.13

ATTACHED FORMS: 8260-3; 8260-10; 8260-9; 8260-2(S): CFBRL, ORIG; CIDUG-INT, REV 8; HIPRO-INT, REV 1; HOVOS-INT, REV 1; JALON-INT, REV 1; JOSTA-INT, REV 1; LOFAL-INT, REV 24; SONDR, REV 1; WEXUB-INT, ORIG; (INFO ONLY) PAINE (PAE) VDME, REV 7.

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

NEW

SEATTLE, WASHINGTON

AL-582 (FAA)

FIG

ILS or LOC RWY 34L

SEATTLE-TACOMA INTL (SEA)

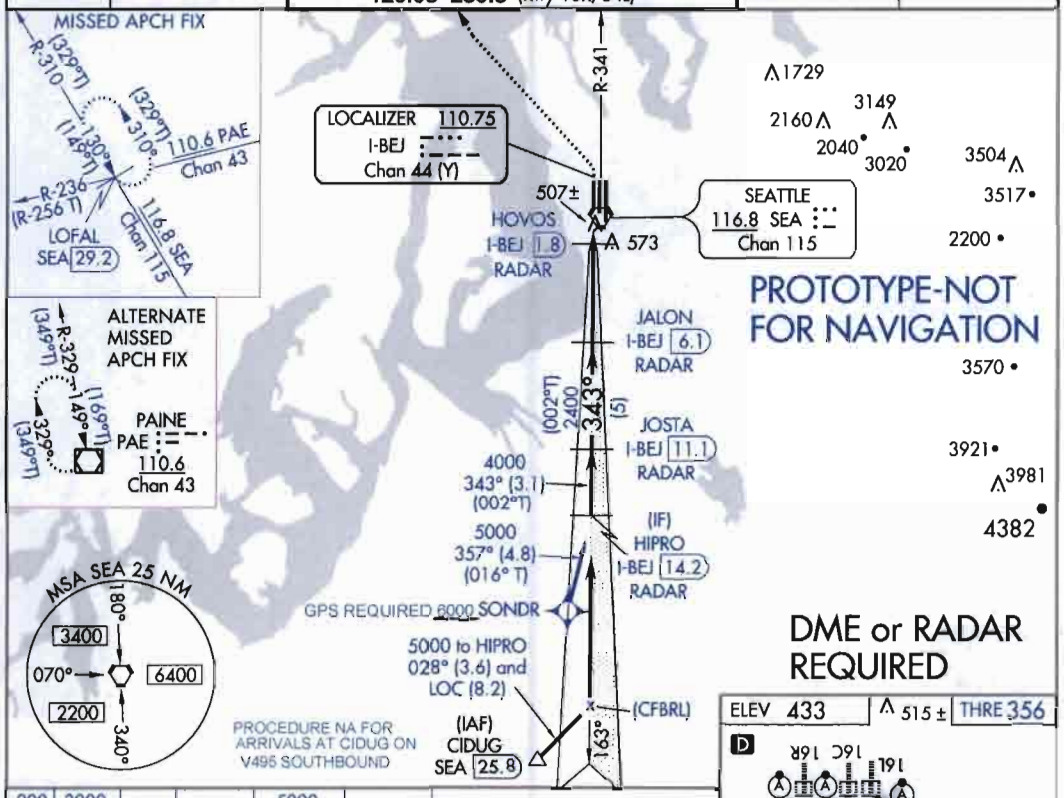
LOC/DME I-BEJ	APP CRS	Rwy Idg	8500
110.75 Chan 44 (Y)	343°	THRE	356
		Apt Elev	433

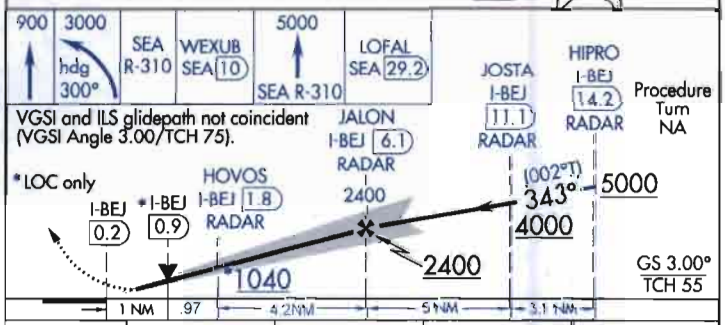
DME or RADAR required.
Simultaneous approach authorized with Rwy 34R/C.

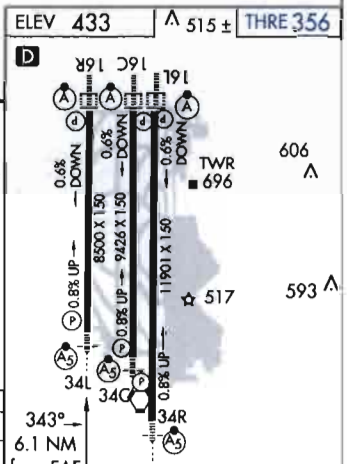
MALSR

MISSED APPROACH: Climb to 900 then climbing left turn to 3000 on heading 300 and on SEA VORTAC R-310 to WEXUB/SEA 10 DME/RADAR then climb to 5000 on SEA VORTAC R-310 to LOFAL/SEA 29 DME/RADAR and hold.

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 34L	556/24 200 (200-½)			
S-LOC 34L	760/24 404 (400-½)		760/40 404 (400-¾)	
CIRCLING	1000-1 567 (600-1)		1000-1½ 567 (600-1½)	1000-2 567 (600-2)

HIRL all Rwys
TDZ/CL Rwys 16L, 16C, 16R and 34R

FAF to MAP 6.3 NM

Knots	60	90	120	150	180
Min:Sec	6:18	4:12	3:09	2:31	2:06

SEATTLE, WASHINGTON
Amdt 1 FIG

47° 27′ N-122° 19′ W

SEATTLE-TACOMA INTL (SEA)

ILS or LOC RWY 34L

AUTOMATED AL-582 ILS or LOC RWY 34L

NW-1
11/06/12
COMPILER: AG
REVIEWER:
DBL CHKR:
EFF DATE: FIG
UID: 24760
SCALE: 1:750000

NEW

SEATTLE, WASHINGTON AL-582 (FAA) FIG

ILS RWY 34L (SA CAT I)

SEATTLE-TACOMA INTL (SEA)

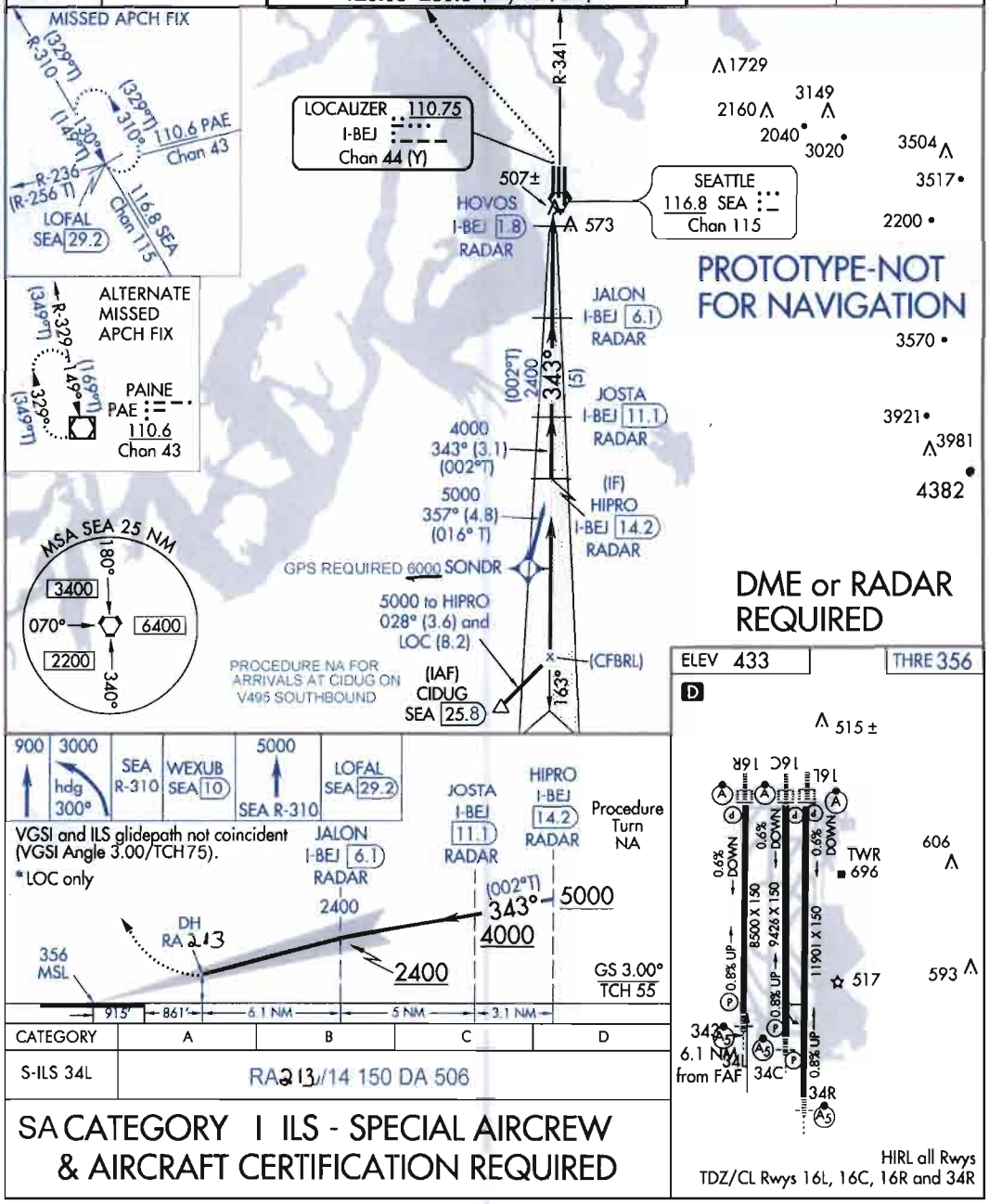
LOC/DME I-BEJ	APP CRS	Rwy Idg	8500
110.75	343°	THRE	356
Chan 44 (Y)		Apt Elev	433

DME or RADAR required
Simultaneous approach authorized with Rwy 34R/C. Requires specific OPSEPC, MPPEC, or LOA approval and use of HUD to DH

MALSR

MISSED APPROACH: Climb to 900 then climbing left turn to 3000 on heading 300 and on SEA VORTAC R-310 to WEXUB/SEA 10 DME/RADAR then climb to 5000 on SEA VORTAC R-310 to LOFAL/SEA 29 DME/RADAR and hold.

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 34L	RA 213/14 150 DA 506			

SA CATEGORY I ILS - SPECIAL AIRCREW & AIRCRAFT CERTIFICATION REQUIRED

SEATTLE, WASHINGTON
Amdt 1 FIG

47°27'N-122°19'W

SEATTLE-TACOMA INTL (SEA)
ILS RWY 34L (SA CAT I)

AUTOMATED AL-582 ILS RWY 34L (CAT II)

NW-1
11/06/12
COMPILER: AG
REVIEWER:
DBL CHKR:
EFF: FIG

NEW

SEATTLE, WASHINGTON

AL-582 (FAA)

FIG

ILS RWY 34L (SA CAT II)

SEATTLE-TACOMA INTL (SEA)

LOC/DME I-BEJ	APP CRS	Rwy Idg	8500
110.75	343°	THRE	356
Chan 44 (Y)		Apt Elev	433

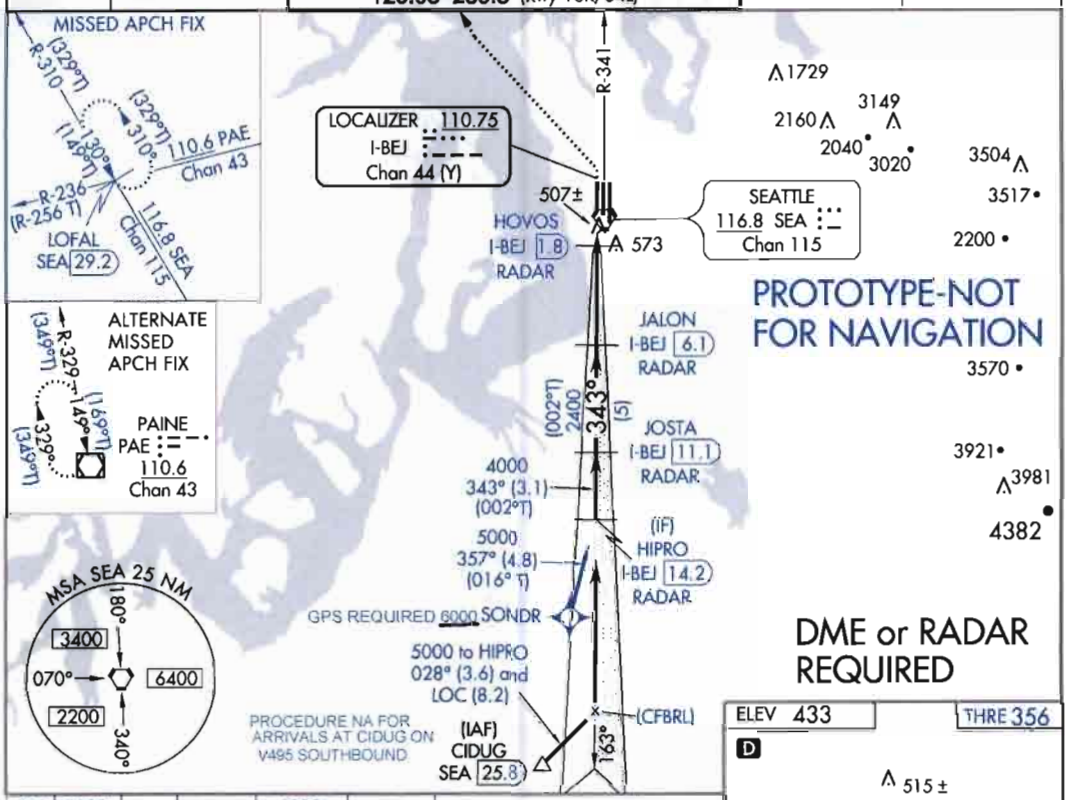
DME or RADAR required

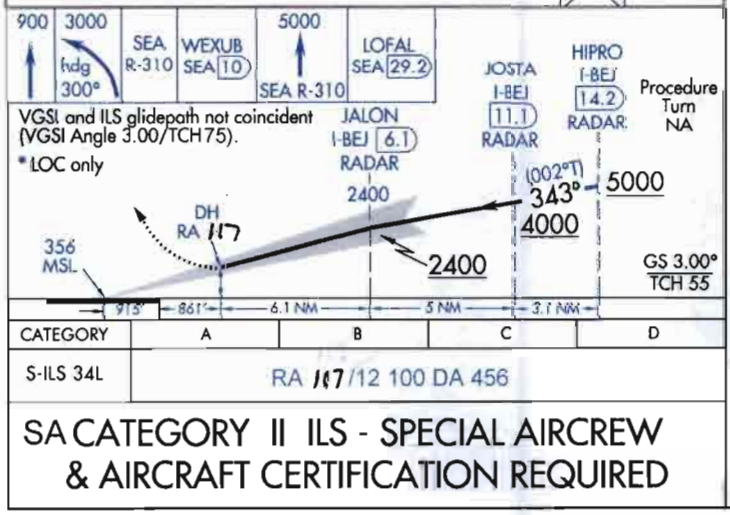
Simultaneous approach authorized with Rwy 34R/C. Requires specific OPSEPC, MPPEC, or LOA approval and use of AUTOLAND or HUD to TOUCHDOWN.

MALSR

MISSED APPROACH: Climb to 900 then climbing left turn to 3000 on heading 300 and on SEA VORTAC R-310 to WEXUB/SEA 10 DME/RADAR then climb to 5000 on SEA VORTAC R-310 to LOFAL/SEA 29 DME/RADAR and hold.

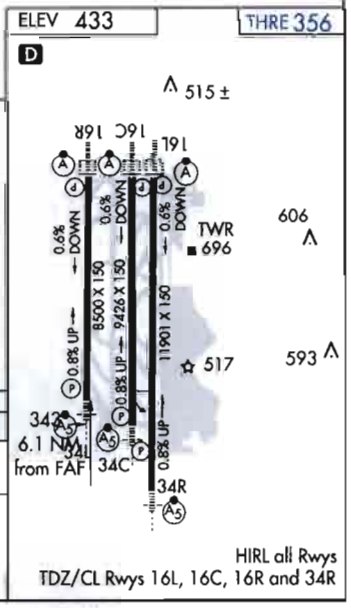
ATIS	SEATTLE APP CON	SEATTLE TOWER	GND CON	CLNC DEL
118.0	133.65 273.45	119.9 239.3 (Rwys 16C/34C, 16L/34R) 120.95 239.3 (Rwy 16R/34L)	121.7	128.0





CATEGORY	A	B	C	D
S-ILS 34L	RA 117/12 100 DA 456			

SA CATEGORY II ILS - SPECIAL AIRCREW & AIRCRAFT CERTIFICATION REQUIRED



SEATTLE, WASHINGTON

Amdt 1 FIG

47°27'N-122°19'W

SEATTLE-TACOMA INTL (SEA)

ILS RWY 34L (SA CAT II)

AUTOMATED AL-582 ILS RWY 34L (CAT II)

NW-1
11/06/12
COMPILER: AG
REVIEWER:
DBL CHKR:
EFF: FIG

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
SONDR (IAF)	HIPRO/I-BEJ 14.24 DME/RADAR	357.43 / 4.76	5000
CIDUG/SEA 25.84 DME (IAF)	HIPRO/I-BEJ 14.24 DME/RADAR	028.00 / 3.57 (HDG) & 343.33 / 8.16 (I-BEJ)	5000
HIPRO/I-BEJ 14.24 DME/RADAR (IF)	JOSTA/I-BEJ 11.10 DME/RADAR	343.33 / 3.14 (I-BEJ)	4000
JOSTA/I-BEJ 11.10 DME/RADAR	JALON/I-BEJ 6.07 DME/RADAR	343.33 / 5.02 (I-BEJ)	2400

MISSED APPROACH

ILS: DA
LOC: 6.25 MILES AFTER JALON/I-BEJ 6.07 DME/RADAR OR AT I-BEJ 0.18 DME FIX

CLIMB TO 900 THEN CLIMBING LEFT TURN TO 3000 ON HEADING 300 AND ON SEA VORTAC R-310 TO WEXUB/10.00 DME/RADAR THEN CLIMB TO 5000 ON SEA VORTAC R-310 TO LOFAL/SEA 29.17 DME/RADAR AND HOLD, OR AS DIRECTED BY ATC.

ALTERNATE MA: (SIMULTANEOUS OPERATIONS NA) CLIMB TO 2000 ON HEADING 343 THEN (SEE FORM 8260-10)

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT HIPRO/I-BEJ 14.24 DME/RADAR
3. FAC: 343.33 FAF: JALON/I-BEJ 6.07 DME/RADAR DIST FAF TO MAP: 6.25 THLD: 6.25
4. MIN. ALT: HIPRO 5000, JOSTA 4000, JALON 2400, HOVOS/I-BEJ 1.83 DME/RADAR 1040*
5. DIST TO THLD FROM OM: - MM: - IM: - 150 HAT: 1809 100 HAT: 855 GS ANT: 915
6. MIN GS INCPT: 2400 GS ALT AT: JALON/I-BEJ 6.07 DME/RADAR 2400 OM: - MM: - IM: -
7. GS ANGLE: 3.00 TCH: 54.9
8. MSA FROM: SEA VORTAC 360-160 6400, 160-250 2200, 250-360 3400

ADDITIONAL FLIGHT DATA:
HOLD NW, LT, 130.08 INBOUND.
CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD NW PAE VOR/DME, RT, 149.04 INBOUND.
CHART FAS OBST: 507 TREE 472529N/1221857W
CHART VDP AT 0.86 DME*;
DISTANCE VDP TO THLD 1.03 MILES.
*LOC ONLY.
CHART (CFBRL) AT INTERSECTION OF CIDUG DR LEG AND INTERMEDIATE COURSE.
CHART IN PLANVIEW: PAE VOR/DME.
CHART I-BEJ DME
CHART AT OR ABOVE 6000 AT SONDR
CHART LOC RWY 34C/R

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 34L	556	2400	200	556	2400	200	556	2400	200	556	2400	200			
S-LOC 34L	760	2400	404	760	2400	404	760	4000	404	760	4000	404			
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 34L: CAT A, B, C, D, RA 213, RVR 1400, HATh 150, DA 506 MSL.
CHART NOTE: DME OR RADAR REQUIRED.
CHART PLANVIEW NOTE: DME OR RADAR REQUIRED.
(SEE FORM 8260-10)

QUALITY CHECKED

CITY AND STATE	ELEVATION: 433 THRE: 356 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
SEATTLE, WA	SEATTLE-TACOMA INTL	I-BEJ	ILS OR LOC RWY 34L, AMDT 1 ILS RWY 34L (SA CAT I) ILS RWY 34L (SA CAT II)	AMDT: ORIG-A 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 APP CON, SEA ATCT, AMGR, WA AERO

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:

DEVELOPED BY		
NAME:	FIFO	DATE:
BRYAN BLUE	AJV-354	10/10/2012

APPROVED BY		
NAME:	FIFO	DATE:
DEZ SILAGYI MANAGER	AJV-354	

CHANGES:

1. FINAL LENGTH CHANGED FROM 6.14 TO 6.25
2. STEPDOWN TO MAP CHANGED FROM 343.33 AND 1.6 TO 343.33 AND 2.0
3. FAF TO STEPDOWN CHANGED FROM 343.33 AND 4.54 TO 343.33 AND 4.25
4. STEPDOWN FIX ALTITUDE CHANGED FROM 920 TO 1040
5. DA CHANGED FROM 579 TO 556 ALL CATS
6. INTERMEDIATE STEPDOWN LENGTH JOSTA TO JALON CHANGED FROM 343.33/4.80 TO 343.33/5.02
7. DEAD RECKONING LENGTH CHANGED FROM 9.59 TO 8.16
8. CHANGED "CHART (UCIYU) AT INTERSECTION OF DR LEG AND INTERMEDIATE COURSE" TO "CHART (CFBRL) AT INTERSECTION OF DR LEG AND INTERMEDATE COURSE"
9. CNF FIX NAME CHANGED FROM UCIYU TO CFBRL
10. CHANGED PLANVIEW NOTE FROM "PROCEDURE NA FOR ARRIVALS AT CIDUG VIA V495 SOUTHBOUND" TO "PROCEDURE NA FOR ARRIVALS AT CIDUG ON V495 SOUTHBOUND"
11. MISSED APPROACH CHANGED FROM "CLIMB TO 2000 VIA HEADING 348 AND SEA VORTAC R-341 TO COYLA/SEA 4.69 DME/RADAR, THEN CLIMB TO 5000 VIA SEA VORTAC R-341 TO MGNUM/SEA 12.42 DME/RADAR AND HOLD, CONTINUE CLIMB-IN-HOLD TO 5000; OR WHEN DIRECTED BY ATC, CLIMB TO 2000 VIA HEADING 343 THEN CLIMBING RIGHT TURN TO 5000 DIRECT PAE VOR/DME AND HOLD NW, RT, 149.04 INBOUND" TO
"CLIMB TO 900 THEN CLIMBING LEFT TURN TO 3000 ON HEADING 300.00 AND ON SEA VORTAC R-310.00 TO WEXUB/10.00 DME THEN CLIMB TO 5000 ON SEA VORTAC R-310
SEE 8260-10

REASONS:

1. RNP FORMULA APPLIED TO FAF
2, 3. STEPDOWN FIX MOVED TO PROVIDE FOR OPTIMUM SLOP
4. DUE TO OBSTACLES IN FINAL FROM IAPA MAP STUDY
5. CHANGED FROM TDZE TO THESHOLD
6, 18. INTERMEDIATE FIX LOCATIONS MOVED TO RNP PFAF LOCATIONS
7. INTERMEDIATE LENGTH CHANGED
8. CHANGED NAME OF CNF FIX
9. CNF FIXES ARE REQUIRED TO BE NON-PRONOUNCEABLE STARTING WITH CF
10. PER 8260.19D CHP 8 PAR 805 PG 8-5
11, 12, 19, 20. PER FPT
13. INTERMEDIATE STEPDOWN FIX AT 4000 REMOVED
14, 16. MINIMUMS CHANGED DUE TO CHANGING TDZE TO THRE
15. PER RADIO ALTIMETER HEIGHT CALCULATION, AFS-400 MEMO, 9/9/09
17. VDP IS MORE THAN .5NM AFTER STEPDOWN
21. IAW .19E CHG 2 PARA 8-54J

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MISSED APPROACH INSTRUCTIONS, (CONT.):
CLIMBING RIGHT TURN TO 5000 DIRECT PAE VOR/DME AND HOLD.

SA CATEGORY II ILS SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED S-ILS 34L: CAT A, B, C, D, RA 117, RVR 1200, HATh 100, DA 456 MSL.

NOTES, (CONT.):
CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT.
*LOC ONLY

CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED WITH RWY 34R/C

CHART IN PLANVIEW ADJACENT TO SONDR: GPS REQUIRED.

SA CAT I CHART NOTE: REQUIRES SPECIFIC OPSPEC, MSPEC, OR LOA APPROVAL AND USE OF HUD TO DH.

SA CAT II CHART NOTE: REQUIRES SPECIFIC OPSPEC, MSPEC, OR LOA APPROVAL AND USE OF AUTOLAND OR HUD TO TOUCHDOWN.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT CIDUG ON V495 SOUTHBOUND.

QUALITY CHECKED

CITY AND STATE	ELEVATION: 433 THRE: 356	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
SEATTLE, WA	AIRPORT NAME: SEATTLE-TACOMA INTL	I-BEJ	ILS OR LOC RWY 34L, AMDT 1 ILS RWY 34L (SA CAT I) ILS RWY 34L (SA CAT II)	AMDT: ORIG-A 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.
TO LOFAL/29.20 DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 5000, OR AS DIRECTED BY ATC." 12. ADDED "GPS REQUIRED" INITIAL ROUTE 13. REMOVED CHART NOTE "WHEN ASSIGNED BY ATC, INTERCEPT GLIDEPATH AT 5000 OR 4000" 14. CAT II DA CHANGED FROM "ALL CATS RA 150/12, DA 479" TO "ALL CATS RA 117/12, DA 456" 15. 100FT HAT TO THLD CHANGED FROM 1294 TO 861 16. S-LOC MDA CHANGED FROM CATS A-B 760/2400 (381) TO 760/2400 (404) AND CAT C 760/2400 (381) TO 760/4000 (404) AND CAT D 760/4000 (381) TO 760/4000 (404) 17. ADDED VDP 18. INTERMEDIATE TO INTERMEDIATE STEPDOWN CHANGED FROM 343.33/2.94 TO 343.33/3.14 19. ADDED CHART NOTE "CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED WITH RWY 34R/C 20. ADDED CHART PLANVIEW NOTE "CROSS SONDR AT OR ABOVE 6000" 21. ADDED SA CAT I APCH AND CHANGED CAT II APCH TO SA CAT II AND ASSOCIATED CHART NOTES.**

REASONS:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR 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.

ARINC PACKET - 424-18 - ILS

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAD        SEA   K1011680VTHW N47260734W122183462    N47260851W122183597E0190003542     NARSEATTLE
        SUSAD KSEAK1 IBEJ  K1011075 IT                    IBEJN47261562W122185994     003640     NARSEATTLE-TACOMA INTL

                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   CFBRL K10    W     N47025905W122191688                    E0163     NAR           CNF(CFBRL)
        SUSAEAENRT   CIDUG K10    C   L N47002809W122225783                    E0163     NAR           CIDUG
        SUSAEAENRT   HIPRO K10    C     N47120187W122191231                    E0164     NAR           HIPRO
        SUSAEAENRT   JALON K10    C     N47201142W122190818                    E0164     NAR           JALON
        SUSAEAENRT   JOSTA K10    C     N47151015W122191073                    E0164     NAR           JOSTA
        SUSAEAENRT   LOFAL K10    C   L N47510559W122404986                    E0166     NAR           LOFAL
        SUSAEAENRT   SONDR K10    W     N47072569W122205630                    E0163     NAR           SONDR
        SUSAEAENRT   WEXUB K10    R     N47344111W122261106                    E0165     NAR           WEXUB

                 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 KSEAK1FI34L  ACIDUG 010CIDUGK1EA0E  A    IF                                          18000                0 NS
        SUSAP KSEAK1FI34L  ACIDUG 020CFBRLK1EA0E       TF                                + 05000                      0 NS
        SUSAP KSEAK1FI34L  ACIDUG 030HIPROK1EA0E  B    TF                                + 05000                      0 NS
        SUSAP KSEAK1FI34L  ACIDUG 040JOSTAK1EA0EE      CF IBEJK1      163301283433003 1PI  + 04000                      0 NS
        SUSAP KSEAK1FI34L  ASONDR 010SONDRK1EA0E  A    IF                                + 06000     18000            0 NS
        SUSAP KSEAK1FI34L  ASONDR 020HIPROK1EA0E  B    TF                                + 05000                      0 NS
        SUSAP KSEAK1FI34L  ASONDR 030JOSTAK1EA0EE      CF IBEJK1      163301283433003 1PI  + 04000                      0 NS
        SUSAP KSEAK1FI34L  I      010JOSTAK1EA0E  I    IF IBEJK1      16330128        PI   J 040000240018000            0 NS
        SUSAP KSEAK1FI34L  I      020JALONK1EA0E  F    CF IBEJK1      163300783430005 0PI  H 0240002400       -300SEA  K1D 0 NS
        SUSAP KSEAK1FI34L  I      030RW34LK1PG0GY M    CF IBEJK1      163300163430006 3PI    00411            -300         0 NS
        SUSAP KSEAK1FI34L  I      040         0  M     CA                    3433        + 00900                      0 NS
        SUSAP KSEAK1FI34L  I      050         0        VI                    3000                                     0 NS
        SUSAP KSEAK1FI34L  I      060WEXUBK1EA0E       CF SEA K1      310001003100004 0D   + 03000                      0 NS
        SUSAP KSEAK1FI34L  I      070LOFALK1EA0EY      TF                                + 05000                      0 NS
        SUSAP KSEAK1FI34L  I      080LOFALK1EA0EE  L   HM                    1301T010    + 05000                      0 NS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
```

QUALITY CHECKED

CITY AND STATE	ELEVATION: **433** **THRE: 356**	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
SEATTLE, WA	AIRPORT NAME: **SEATTLE-TACOMA INTL**	**I-BEJ**	**ILS OR LOC RWY 34L, AMDT 1** **ILS RWY 34L (SA CAT I)** **ILS RWY 34L (SA CAT II)**	AMDT: **ORIG-A** 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 KSEAK1GRW34L   0085003433 N47262592W122190501+0700    +0085700356000055150IIBEJ1
                 1         2         3         4         5         6         7         8         9         0         1         2         3
ILS     123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------
        SUSAP KSEAK1IIBEJ1   011075RW34LN47275978W1221904203433N47263493E1221859991010 09150422300E01705500359
                 1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------
        SUSAP KSEAK1SSEA  K1D                 0   070180034251803400642534007002225                                                M
```

QUALITY 4 CHECKED

CITY AND STATE	ELEVATION: 433 THRE: 356	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
SEATTLE, WA	AIRPORT NAME: SEATTLE-TACOMA INTL	I-BEJ	ILS OR LOC RWY 34L, AMDT 1 ILS RWY 34L (SA CAT I) ILS RWY 34L (SA CAT II)	AMDT: ORIG-A 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:

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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	CFBRL	020		TF		FB				AA 05000	
	CIDUG	HIPRO	030		TF		FB				AA 05000	
	CIDUG	JOSTA	040		CF		FB		343.3()	003.1	AA 04000	
	SONDR	SONDR	010	IAF	IF		FB				AA 06000	
	SONDR	HIPRO	020		TF		FB				AA 05000	
	SONDR	JOSTA	030		CF		FB		343.3()	003.1	AA 04000	
		JOSTA	010	FACF	IF		FB				AA 04000 GI 02400	
		JALON	020	FAF	CF		FB		343.0()	005.0	GI 02400 GS 02400	
		RW34L	030	MAP	CF		FO		343.0()	006.3	AT 00411	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		343.3()		AA 00900	
		050		VI		FB		300.0()			
	WEXUB	060		CF		FB		310.0()	004.0	AA 03000	
	LOFAL	070		TF		FO				AA 05000	
	LOFAL	080		HM	L	FO		130.1()	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
	IBEJ (DME)	N472615.62	W1221859.94	N4726.260	W12218.999
	CFBRL	N470259.05	W1221916.88	N4702.984	W12219.281
	CIDUG	N470028.09	W1222257.83	N4700.468	W12222.964
	HIPRO	N471201.87	W1221912.31	N4712.031	W12219.205
	JALON	N472011.42	W1221908.18	N4720.190	W12219.136
	JOSTA	N471510.15	W1221910.73	N4715.169	W12219.179
	LOFAL	N475105.59	W1224049.86	N4751.093	W12240.831
	SONDR	N470725.69	W1222056.30	N4707.428	W12220.938
	WEXUB	N473441.11	W1222611.06	N4734.685	W12226.184
	RW34L	N472625.92	W1221905.01	N4726.432	W12219.084
	IBEJ (LOC)	N472759.78	W1221904.20	N4727.996	W12219.070

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW34L	00356	55

QUALITY CHECKED

CITY AND STATE	ELEVATION: **433** **THRE: 356**	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
SEATTLE, WA	AIRPORT NAME: **SEATTLE-TACOMA INTL**	**I-BEJ**	**ILS OR LOC RWY 34L, AMDT 1** **ILS RWY 34L (SA CAT I)** **ILS RWY 34L (SA CAT II)**	AMDT: **ORIG-A** 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.

ARINC PACKET - 424-18 - LOC

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAD        SEA   K1011680VTHW N47260734W122183462    N47260851W122183597E0190003542     NARSEATTLE
        SUSAD KSEAK1 IBEJ  K1011075 IT                     IBEJN47261562W122185994     003640     NARSEATTLE-TACOMA INTL

                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   CFBRL K10    W     N47025905W122191688                      E0163     NAR          CNF(CFBRL)
        SUSAEAENRT   CIDUG K10    C   L N47002809W122225783                      E0163     NAR          CIDUG
        SUSAEAENRT   HIPRO K10    C     N47120187W122191231                      E0164     NAR          HIPRO
        SUSAEAENRT   HOVOS K10    C     N47242599W122190603                      E0164     NAR          HOVOS
        SUSAEAENRT   JALON K10    C     N47201142W122190818                      E0164     NAR          JALON
        SUSAEAENRT   JOSTA K10    C     N47151015W122191073                      E0164     NAR          JOSTA
        SUSAEAENRT   LOFAL K10    C   L N47510559W122404986                      E0166     NAR          LOFAL
        SUSAEAENRT   SONDR K10    W     N47072569W122205630                      E0163     NAR          SONDR
        SUSAEAENRT   WEXUB K10    R     N47344111W122261106                      E0165     NAR          WEXUB

                 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 KSEAK1FL34L  ACIDUG 010CIDUGK1EA0E  A    IF                                                18000                 0 NS
        SUSAP KSEAK1FL34L  ACIDUG 020CFBRLK1EA0E       TF                                     + 05000                          0 NS
        SUSAP KSEAK1FL34L  ACIDUG 030HIPROK1EA0E  B    TF                                     + 05000                          0 NS
        SUSAP KSEAK1FL34L  ACIDUG 040JOSTAK1EA0EE      CF IBEJK1      1633012834330031PI  + 04000                          0 NS
        SUSAP KSEAK1FL34L  ASONDR 010SONDRK1EA0E  A    IF                                     + 06000     18000                 0 NS
        SUSAP KSEAK1FL34L  ASONDR 020HIPROK1EA0E  B    TF                                     + 05000                          0 NS
        SUSAP KSEAK1FL34L  ASONDR 030JOSTAK1EA0EE      CF IBEJK1      1633012834330031PI  + 04000                          0 NS
        SUSAP KSEAK1FL34L  L      010JOSTAK1EA0E  I    IF IBEJK1      16330128        PI  + 04000     18000                 0 NS
        SUSAP KSEAK1FL34L  L      020JALONK1EA0E  F    CF IBEJK1      1633007834300050PI  + 02400                 SEA   K1D 0 NS
        SUSAP KSEAK1FL34L  L      021HOVOSK1EA0E S     CF IBEJK1      1633003634300043PI  + 01040             -300          0 NS
        SUSAP KSEAK1FL34L  L      030RW34LK1PG0GY M    CF IBEJK1      1633001634300020PI    00411             -300          0 NS
        SUSAP KSEAK1FL34L  L      040         0  M     CA                     3433        + 00900                          0 NS
        SUSAP KSEAK1FL34L  L      050         0        VI                     3000                                         0 NS
        SUSAP KSEAK1FL34L  L      060WEXUBK1EA0E       CF SEA K1      3100010031000040D   + 03000                          0 NS
        SUSAP KSEAK1FL34L  L      070LOFALK1EA0EY      TF                                     + 05000                          0 NS
        SUSAP KSEAK1FL34L  L      080LOFALK1EA0EE  L   HM                     1301T010    + 05000                          0 NS
```

QUALITY CHECKED

CITY AND STATE	ELEVATION: 433 THRE: 356	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
SEATTLE, WA	AIRPORT NAME: **SEATTLE-TACOMA INTL**	**I-BEJ**	**ILS OR LOC RWY 34L, AMDT 1** **ILS RWY 34L (SA CAT I)** **ILS RWY 34L (SA CAT II)**	AMDT: **ORIG-A** 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**

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```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KSEAK1GRW34L   0085003433 N47262592W122190501+0700    +0085700356000055150IIBEJ1

                 1         2         3         4         5         6         7         8         9         0         1         2         3
ILS     123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KSEAK1IIBEJ1   011075RW34LN47275978W1221904203433N47263493E1221859991010 09150422300E01705500359

                 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: 356	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
SEATTLE, WA	AIRPORT NAME: **SEATTLE-TACOMA INTL**	**I-BEJ**	**ILS OR LOC RWY 34L, AMDT 1** **ILS RWY 34L (SA CAT I)** **ILS RWY 34L (SA CAT II)**	AMDT: **ORIG-A** 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**

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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	CFBRL	020		TF		FB				AA 05000	
	CIDUG	HIPRO	030		TF		FB				AA 05000	
	CIDUG	JOSTA	040		CF		FB		343.3()	003.1	AA 04000	
	SONDR	SONDR	010	IAF	IF		FB				AA 06000	
	SONDR	HIPRO	020		TF		FB				AA 05000	
	SONDR	JOSTA	030		CF		FB		343.3()	003.1	AA 04000	
		JOSTA	010	FACF	IF		FB				AA 04000	
		JALON	020	FAF	CF		FB		343.0()	005.0	AA 02400	
		HOVOS	021	SDF	CF		FB		343.0()	004.3	AA 01040	
		RW34L	030	MAP	CF		FO		343.0()	002.0	AT 00411	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		343.3()		AA 00900	
		050		VI		FB		300.0()			
	WEXUB	060		CF		FB		310.0()	004.0	AA 03000	
	LOFAL	070		TF		FO				AA 05000	
	LOFAL	080		HM	L	FO		130.1()	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
	IBEJ (DME)	N472615.62	W1221859.94	N4726.260	W12218.999
	CFBRL	N470259.05	W1221916.88	N4702.984	W12219.281
	CIDUG	N470028.09	W1222257.83	N4700.468	W12222.964
	HIPRO	N471201.87	W1221912.31	N4712.031	W12219.205
	HOVOS	N472425.99	W1221906.03	N4724.433	W12219.101
	JALON	N472011.42	W1221908.18	N4720.190	W12219.136
	JOSTA	N471510.15	W1221910.73	N4715.169	W12219.179
	LOFAL	N475105.59	W1224049.86	N4751.093	W12240.831
	SONDR	N470725.69	W1222056.30	N4707.428	W12220.938
	WEXUB	N473441.11	W1222611.06	N4734.685	W12226.184
	RW34L	N472625.92	W1221905.01	N4726.432	W12219.084
	IBEJ (LOC)	N472759.78	W1221904.20	N4727.996	W12219.070

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW34L	00356	55

CITY AND STATE	ELEVATION: 433 THRE: 356	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
SEATTLE, WA	AIRPORT NAME: **SEATTLE-TACOMA INTL**	**I-BEJ**	**ILS OR LOC RWY 34L, AMDT 1** **ILS RWY 34L (SA CAT I)** **ILS RWY 34L (SA CAT II)**	AMDT: **ORIG-A** 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:	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	SONDR	HIPRO/I-BEJ	1. AAO	470633.00N/1221618.00W	837 (4E)	1000	AT3163	5000
		14.24 DME/RADAR	2. TERRAIN	470651.00N/1221509.00W	627 (600)		AS1500	2100
INITIAL	CIDUG/SEA 25.84 DME	HIPRO/I-BEJ	3. AAO	465839.00N/1221042.00W	1913 (4E)	1000	AT2087	5000
		14.24 DME/RADAR	4. TERRAIN	465839.00N/1221042.00W	1713 (1700)		AS1500	3200
INTERMEDIATE	HIPRO/I-BEJ	JOSTA/I-BEJ	5. AAO	471257.00N/1221554.00W	722 (4E)	500	AT2680 AC98	4000
	14.24 DME/RADAR	11.10 DME/RADAR	6. TERRAIN	471257.00N/1221554.00W	522 (500)		AS1500	2000
INTERMEDIATE:	JOSTA/I-BEJ	JALON/I-BEJ 6.07	7. AAO	472011.25N/1221828.29W	719 (2C)	500	AT1181	2400
STEPDOWN	11.10 DME/RADAR	DME/RADAR	8. TERRAIN	472011.25N/1221828.29W	519 (500)		AS1500	2000
FINAL: ILS	JALON/I-BEJ 6.07	RW34L				ASC		556/200
	DME/RADAR							
FINAL: LOC	JALON/I-BEJ 6.07	HOVOS/I-BEJ 1.83	9. AAO	472047.16N/1221814.07W	739 (2C)	250	XL13 DG38	1040
	DME/RADAR	DME/RADAR						
2. PROCEDURE TURN	NA							
3. MISSED APPROACH MAP:	DA / 6.25 MILES	LOFAL/SEA 29.17				ASC		5000
	AFTER	DME/RADAR	11. TOWER (53-001007)	474535.10N/1223103.60W	725 (5E)	1000		1800
ELEV:	388/510		12. TERRAIN	474800.00N/1223654.00W	719 (700)		AS1500	2200

4. CIRCLING AREA	DISTANCE	REQUIRED	ACTUAL							
		HT. ABV. ARPT.	HT. ABV. ARPT.							
CATEGORY A	1.3 NM	350	567	15. TWR (53-001394)	472720.55N/1221805.18W	696 (1A)	300		1000
CATEGORY B	1.5 NM	450	567	15. TWR (53-001394)	472720.55N/1221805.18W	696 (1A)	300		1000
CATEGORY C	1.7 NM	450	567	15. TWR (53-001394)	472720.55N/1221805.18W	696 (1A)	300		1000
CATEGORY D	2.3 NM	550	567	15. TWR (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 CHECK

CITY AND STATE		FACILITY	PROCEDURE AND AMENDMENT NO:	REGION
SEATTLE, WA	ELEVATION: 433 AIRPORT NAME: SEATTLE-TACOMA INTL	I-BEJ	ILS OR LOC RWY 34L, AMDT 1 ILS RWY 34L (SA CAT I) ILS RWY 34L (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	OTHER: ASOS	SOURCE: KSEA
	F A A		DISTANCE:
SATISFACTORY ON:	A / C		HOURS REMOTE OPERATION:
X V H F X U H F H F	LOCATION: KSEA		ADJUSTMENT: 0

4. MONITOR STATUS		
PRIMARY NAVAID: I-BEJ		
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: 356.3
DISTANCE FROM RWY: 915		ELEV GP ANTENNA: 363.2
		THRESHOLD CROSSING HEIGHT: 54.9

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

10. WAIVERS: NONE

PART D - PREPARED BY:	DATE:
BRYAN BLUE	10/10/2012
TITLE: AERONAUTICAL INFORMATION SPECIALIST	OFFICE: AJV-354

PART C - REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

KSEA ASOS ON SERVICE A / 24 HRS.

BACKUP ALTIMETER NOT REQUIRED DUE TO REDUNDANT LOCAL SOURCES.

HIPRO AND JOSTA LOCATED AT PFAF LOCATIONS.

SEE ATTACHED AIRSPACE LETTER.

VGSI DATA: 3.00/75.1

VEGETATION HEIGHT 100 FT PER CHECKLIST.

INITIAL, INTERMEDIATE, AND INTERMEDIATE STEPDOWN FIX ALTITUDES AND LOCATIONS PER ATC REQUEST FOR SEPARATION AND AIRSPACE PURPOSES.

USED 8260.54A TO ESTABLISH LOCATIONS OF FIXES ON LOCALIZER COURSE; PUBLISHED RNAV PROCEDURES TO RWY 34L SHARE THESE FIXES.

CONTROLLING OBSTRUCTIONS AND TERRAIN THE SAME FOR ALL INTERMEDIATE SEGMENTS.

RNP FORMULA APPLIED PER .54A TO ESTABLISHED FAF UTILIZING 3.00/54.9

MISSED APPROACH OBSTACLES CONT.
ALTERNATE:
ASC 5000
13. TOWER (53-000500) 473656.35N/1221830.45W 1092 (4D)
1000 2100
14. 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	**HOVOS/I-BEJ 1.83**	**6.25 MILES AFTER**	**10. TREE (KSEA0038)**	**472529.18N/1221857.48W**	**507 (1A)**	**250**		**760**
	DME/RADAR	**JALON/I-BEJ**						
		6.08 DME/RADAR						
		OR AT I-BEJ						
		0.18 DME FIX						
FINAL: ILS SA CAT II	**JALON/I-BEJ 6.07**	**RW34L**				**ASC**		**456/100**
	DME/RADAR							
FINAL: ILS SA CAT I	**JALON/I-BEJ 6.07**	**RW34L**				**ASC**		**506/150**
	DME/RADAR							
3. MISSED APPROACH MAP:								
ELEV:								

4. CIRCLING AREA	DISTANCE	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	

HT. ABV. ARPT.

5. MINIMUM SAFE ALTITUDES — PRIMARY NAVAID:

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

QUALITY CHECKED

CITY AND STATE		FACILITY	PROCEDURE AND AMENDMENT NO:	REGION
SEATTLE, WA	**ELEVATION: 433** AIRPORT NAME: **SEATTLE-TACOMA INTL**	**I-BEJ**	**ILS OR LOC RWY 34L, AMDT 1** **ILS RWY 34L (SA CAT I)** **ILS RWY 34L (SA CAT II)**	**ANM**

PART B - SUPPLEMENTAL DATA

1. COMMUNICATIONS WITH:	2. WEATHER SERVICE	3. ALTIMETER SETTING
SATISFACTORY ON:	☐ N W S ☐ F A A ☐ A / C OTHER:	SOURCE: DISTANCE: HOURS REMOTE OPERATION:
☐ V H F ☐ U H F ☐ H F	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: CFBRL **STATE:** WA **COUNTRY:** US

LATITUDE/LONGITUDE: 470259.05N/1221916.88W **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 34L			KSEA	SEATTLE	WA (US)
IAP	ILS RWY 34L (SA CAT I)			KSEA	SEATTLE	WA (US)
IAP	ILS RWY 34L (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:** 09/06/2012 **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
OTHER:

QUALITY 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: HIPRO **STATE:** WA **COUNTRY:** US

LATITUDE/LONGITUDE: 471201.87N/1221912.31W **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-BEJ	LOC/DME		163.33	180.33	14.24	15.97		5000	5000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
I-BEJ	LOC/DME	R-163	15	5000	5000

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

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

REMARKS:
SEATTLE (FAC 1) USED TO ESTABLISH FIX COORDINATES
DME ANTENNA COORDINATES: 472615.62N/1221859.94W
8260.54A RNP FORMULA 1-16B APPLIED

FIX USE:

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

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

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

REASON FOR REVISION:
UPDATED FIX USE
UPDATED FAC 1 DME FROM 13.70 TO 14.24.
ADDED FAC 1 14.24 TO DIST FROM FAC AND UPDATED MAG COURSE
UPDATED ESV INFORMATION
FIX MOVED .54NM SOUTH
REMOVED NOTE "FIX PLACED 84296.36' FROM R34L THRESHOLD, USED RNP PFAF FORMULA" FROM REMARKS.
ADDED NOTE TO REMARKS "8260.54A RNP FORMULA 1-16B APPLIED"

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

RADIO FIX AND HOLDING DATA RECORD

NAME: HOVOS **STATE:** WA **COUNTRY:** US

LATITUDE/LONGITUDE: 472425.99N/1221906.03W **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-BEJ	LOC/DME		163.33	180.33	1.83	3.57		940	4800

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

REMARKS:
DME ANTENNA COORDINATES: 472615.62N/1221859.94W

FIX USE:

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

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

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

REASON FOR REVISION:
UPDATED FIX COORDINATES
FIX MOVED 2429.75FT SOUTH
UPDATED FAC 1 DME DISTANCE FROM 1.43 TO 1.83 AND ADDED 3.57 TO DIST FROM FAC
UPDATED FAC 1 MRA FROM 820 TO 940
REMOVED FAC 2
UPDATED FIX USE

DEVELOPED BY: **DATE:** 08/28/2012 **OFFICE:** AJV-354 **NAME:** BRYAN BLUE

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

SIGNATURE:

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

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: JALON **STATE:** WA **COUNTRY:** US

LATITUDE/LONGITUDE: 472011.42N/1221908.18W **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-BEJ	LOC/DME		163.33	180.33	6.07	7.81	47456	2400	4800

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

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

REMARKS:
DME ANTENNA COORDINATES: 472615.62N/1221859.94W
8260.54A FORMULA 1-16B APPLIED (IPDS & IAPA)

FIX USE:

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

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

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

REASON FOR REVISION:
FIX MOVED 635FT SOUTH
UPDATED FIX COORDINATES
REMOVED NOTE "RNP PFAF FORUMLA USED"
ADDED NOTE "8260.54A FORMULA 1-16B APPLIED (IPDS & IAPA)
REMOVED FAC 2
FAC 1 UPDATED DME DISTANCE FROM 5.97 TO 6.07 AND ADDED 7.81 TO DIST FROM FAC

DEVELOPED BY: **DATE:** 08/28/2012 **OFFICE:** AJV-36 **NAME:** BRYAN BLUE

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

SIGNATURE:

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

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: JOSTA **STATE:** WA **COUNTRY:** US

LATITUDE/LONGITUDE: 471510.15N/1221910.73W **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-BEJ	LOC/DME		163.33	180.33	11.10	12.83		4000	4800

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
I-BEJ	LOC/DME	R-163	12	4000	4800

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

REMARKS:
DME ANTENNA COORDINATES: 472615.62N/1221859.94W
8260.54A RNP FORMULA 1-16B APPLIED
ESV BEJ GLIDESLOPE R-163/12 4000 - 4800

FIX USE:

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

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

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

REASON FOR REVISION:
UPDATED FIX USE
FIX MOVED 2019.34FT SOUTH
REMOVED REMARKS NOTE "FIX PLACED 66451.11' FROM R34L THRESHOLD, USED RNP PFAF FORMULA" AND ADDED NOTE "8260.54A RNP FORMULA 1-16B APPLIED"
REMOVED FAC 2
FAC 1 DME CHANGED FROM 10.77 11.10
FAC 1 ADDED DIST FROM FAC NM 12.83
UPDATED ESV INFORMATION

DEVELOPED BY: **DATE:** 10/03/2012 **OFFICE:** AJV-354 **NAME:** BRYAN BLUE

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

SIGNATURE:

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

RADIO FIX AND HOLDING DATA RECORD

NAME: LOFAL **STATE:** WA **COUNTRY:** US

LATITUDE/LONGITUDE: 475105.59N/1224049.86W **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	310.08	329.08	29.17	29.17		3000	17500
2	PAINE	PAE	VOR/DME	L	236.00	256.00	16.77	16.77		3000	17500

FIX RESTRICTIONS:
MCA V287 5000 SOUTHWEST BOUND
SPECIAL RNAV (RNP) M RWY 34L, KSEA, SEATTLE, WA

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	NW	SEA	VORTAC	310.08	130.08	L	1-1 1/2		5000	17500	6	17
2	SE	SEA	VORTAC	310.08	310.08	R	1-1 1/2		6000	17500	6	17
3	SE		WP	129.08	309.08	R		5	5000	17500	6	17
4	NW		WP	322.59	142.59	R		4	3400	10000	5	6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	475933.00N/1224933.00W	994	4E
2	200	AAO	475106.00N/1224639.00W	847	4E
2	310	AAO	474724.00N/1225345.00W	2254	4E
3	200	AAO	475106.00N/1224639.00W	847	4E
4	200	AAO	475933.00N/1224933.00W	994	4E

REASON FOR NONSTANDARD HOLDING:
PAT 1 TERRAIN AVOIDANCE

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERNS.
HOLDING PATTERNS 1 AND 3 FOR ATC USE.

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
2	ILS OR LOC RWY 31L	KBFI	SEATTLE	WA (US)

REMARKS:
SEATTLE (FAC 1) AND PAINE (FAC 2) USED TO ESTABLISH FIX COORDINATES
PRECIPITOUS TERRAIN EVALUATION COMPLETED
FIX IS NOT ON CENTERLINE; DID NOT MOVE 3.6 FEET SW PER TERMINAL REQUEST.
PAT 2: 310K CONT. OBS. LOCATED 12099' INTO SECONDARY AREA, PRIMARY EQUIV 1257'

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V287	1, 2				(US)
EN ROUTE	V4	1, 2				(US)
EN ROUTE	V495	1, 2				(US)
IAP	NDB RWY 01			KPWT	BREMERTON	WA (US)
IAP	RNAV (GPS) RWY 19		4	KPWT	BREMERTON	WA (US)
IAP	ILS OR LOC RWY 31L	1	2	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 34L	1, 2	1	KSEA	SEATTLE	WA (US)
IAP	ILS RWY 34L (SA CAT I)	1, 2		KSEA	SEATTLE	WA (US)
IAP	ILS RWY 34L (SA CAT II)	1, 2	1	KSEA	SEATTLE	WA (US)
IAP	RNAV (GPS) Y RWY 34L		3	KSEA	SEATTLE	WA (US)
IAP	RNAV (RNP) M RWY 34L		4	KSEA	SEATTLE	WA (US)
IAP	RNAV (RNP) Z RWY 34L		4	KSEA	SEATTLE	WA (US)

REQUIRED CHARTING: IAP, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 24 **DATE OF REVISION:** 03/07/2013

REASON FOR REVISION:

UPDATED FIX USE
UPDATED PAT 1 MINIMUM HOLDING AND PATTERN SIZE FROM 6000 TO 5000
REMOVED NOTE FROM REMARKS "PAT 1, 2, 3, 4, NO ADJUSTMENT"
ADDED NOTE TO REMARKS "SEATTLE (FAC 1) AND PAINE (FAC 2) USED TO ESTABLISH FIX COORDINATES"
CHANGED HOLDING PAT 3 MINIMUM FROM 6000 TO 5000
UPDATED PAT 3 HOLDING OBS

DEVELOPED BY:	**DATE:** 09/13/2012	**OFFICE:** AJV-354	**NAME:** BRYAN BLUE
APPROVED BY:	**DATE:**	**OFFICE:** AJV-354	**NAME:** DEZ SILAGYI
	SIGNATURE:		

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

RADIO FIX AND HOLDING DATA RECORD

NAME: WEXUB **STATE:** WA **COUNTRY:** US

LATITUDE/LONGITUDE: 473441.11N/1222611.06W **TYPE:** RADAR, 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	SEA	VORTAC	H	310.00	329.00	10.00	10.00		3000	4800

FIX USE:

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

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

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

REASON FOR REVISION:
01/14/12: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 09/10/12.
1. CHANGED MRA FAC 1 FROM 800 TO 3000

DEVELOPED BY: **DATE:** 09/10/2012 **OFFICE:** AJV-354 **NAME:** BRYAN BLUE

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

SIGNATURE:

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

RADIO FIX AND HOLDING DATA RECORD

INFO ONLY

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	DIST FROM 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 (SA CAT I, CAT II/III)			KSEA	SEATTLE	WA (US)

QUALITY CHECKED

IAP	ILS RWY 16L (SA CAT I, CAT II/III)		KSEA	SEATTLE	WA (US)
IAP	ILS RWY 16R (SA CAT I, CAT II/III)		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

QUALITY CHECKED

TERMINAL AIRSPACE DATA REQUIREMENTS

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

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

PROCEDURE: **ILS OR LOC RWY 34L** AMDT: **1**

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 **THLD** to 1000' point **3.42**
   (Enter THLD, FAF, ARP, FACILITY, as appropriate)
2. Width of **FINAL** segment at 1000' point **.96NM**
   (Enter appropriate segment , final, intermediate, etc.)
3. True Course of **FINAL** segment containing 1000' point **000.33**
4. High Terrain in **FINAL** segment containing 1000' point **499**
5. Distance from **THLD** to 1500' point **5.45**
   (If 1500' point in PT maneuvering area or holding pattern note in remarks)
6. Width of **FINAL** segment at 1500' point **1.39**
7. True Course of **FINAL** segment containing 1500' point **000.33**
8. High Terrain in **FINAL** segment containing 1500' point **499**
9. Threshold Coordinates (if straight-in) ... **472625.92N / 1221905.01W**
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 ..... **472011.42N / 1221908.18w**
    (Click to Select)

REMARKS: Approach/Drawing attached.

RADIO FIX AND HOLDING DATA RECORD CANCELLED

NAME: UCIYU **STATE:** WA **COUNTRY:** US

LATITUDE/LONGITUDE: 470259.05N/1221916.88W **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-BEJ LOC, 26 NM, 5000 - 7000, ON FILE					
I-BEJ DME, 24 NM, 5000 - 7000, ON FILE					

FIX USE:

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 11/20/2008

DEVELOPED BY: **DATE:** 10/05/2012 **OFFICE:** AJV-354 **NAME:** BRYAN BLUE

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

SIGNATURE:

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