US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.33

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
PAE VOR/DME	ERYKA (FB)	168.45 / 13.26	5000
ERYKA (IAF)	MGNUM (FB)	163.34 / 3.14	4000
GRIFY (IAF)	MGNUM (FB)	136.27 / 6.48	4000
MGNUM (IF)	ANVIL (FB)	163.34 / 2.51	3200
ANVIL	SODOE (FB)	163.34 / 4.08	1900
SODOE (FAF)	RW16C (MAP) (FO)	163.34 / 4.44	
RW16C (MAP)	630 MSL	163.34	
(SEE FORM 8260-10)			

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW16C

CLIMB DIRECT OTLIE TO CROSS OTLIE AT OR BELOW 2000, THEN CLIMB TO 5000 ON TRACK 162.05 TO MILLT AND HOLD, CONTINUE CLIMB-IN-HOLD TO 5000.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT MGNUM
3. FAC: 163.34 FAF: SODOE DIST FAF TO MAP: 4.44 THLD: 4.44
4. MIN. ALT: MGNUM 4000, ANVIL 3200, SODOE 1900
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 1900 GS ALT AT: SODOE 1900 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 56.6 34:1 IS CLEAR
8. MSA FROM: RW16C 6400

ADDITIONAL FLIGHT DATA:

HOLD S, RT, 342.66 INBOUND.
CHART FAS OBST: 574 TREE 472805N/1221800W
DISTANCE TO THLD FROM 200 HATH: 0.45 NM.
CHART VDP AT 1.30 MILES TO RW16C*
*LNAV ONLY.
WAAS CHANNEL # 61010
REFERENCE PATH ID: W16B
CHART KBFI
CHART AT OR ABOVE 6000 AT GRIFY.
CHART MAXIMUM 2000 AT OTLIE.
CHART LOC RWY 16R.
LTP HAE: 108 M

MAG VAR: 17E EPOCH YEAR: 2010

MINIMUMS

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

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	630	2400	200	630	2400	200	630	2400	200	630	2400	200			
LNAV/VNAV DA	840	4400	410	840	4400	410	840	4400	410	840	4400	410			
LNAV MDA	920	2400	490	920	2400	490	920	5000	490	920	5000	490			
CIRCLING	1000	1	567	1000	1	567	1000	1 1/2	567	1000	2	567			

NOTES:
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -8C (18F) OR ABOVE 54C (130F).
CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED WITH RWY 16R.
CHART NOTE: DME/DME RNP-0.3 NA.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON PAE VOR/DME AIRWAY RADIALS 163 CW 236.
(SEE FORM 8260-10)

QUALITY CHECKED

CITY AND STATE	ELEVATION: 433 THRE: 430	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP: RNAV (GPS) RWY 16C
SEATTLE, WA	AIRPORT NAME: SEATTLE-TACOMA INTL	RNAV	RNAV (GPS) Y RWY 16C, AMDT 2 7 MARCH 2013	AMDT: 1C DATED 03/08/2012

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TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
630 MSL	OTLIE		2000
OTLIE	MILLT (FO)	162.05 / 8.75	5000

NOTES, (CONT.):
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.
CHART NOTE: FOR INOPERATIVE ALSF, INCREASE LNAV/VNAV ALL CATS VISIBILITY TO 1 3/8, AND LNAV CATS C/D VISIBILITY TO 1 3/8.
CHART NOTE: USE OF FD OR AP PROVIDING RNAV TRACK GUIDANCE REQUIRED DURING SIMULTANEOUS OPERATIONS.

CHART NOTE: LNAV PROCEDURE NA DURING SIMULTANEOUS OPERATIONS.
CHART NOTE: SEE ADDITIONAL REQUIREMENTS ON ADJACENT INFORMATION PAGE.

PUBLISH BRIEFING PAGE SHOWING GRAPHIC OF THE RELATIONSHIP OF RUNWAY 16C AND TAXIWAY T FOR ALL RUNWAY 16C APPROACHES, AND INCLUDE THE FOLLOWING ALERT:
SEATTLE-TACOMA INTERNATIONAL AIRPORT
ALERT NOTICE
ATTENTION ALL AIRCRAFT LANDING TO THE SOUTH:
WHEN TRANSITIONING FROM AN INSTRUMENT PROCEDURE TO A VISUAL APPROACH TO RUNWAY 16C, VERIFY YOU ARE ALIGNED FOR THE INTENDED LANDING RUNWAY, NOT TAXIWAY TANGO. TAXIWAY TANGO IS WEST AND PARALLEL TO RUNWAY 16C.
TRANSITION TO VISUAL:
TAXIWAY TANGO HAS BEEN MISTAKEN FOR RUNWAY 16C FROM THE AIR DURING CERTAIN VISIBILITY CONDITIONS, I.E. WET RUNWAY, LOW SUN ANGLE REFLECTIONS. AIRCREWS ARE ADVISED TO BE AWARE OF THE PROXIMITY OF THE TAXIWAY TO RUNWAY 16C AND ITS RUNWAY-LIKE APPEARANCE WHILE ON APPROACH.
RECOMMENDATION:
AIRCREWS SHOULD USE VISUAL CUES, E.G., APPROACH LIGHTING SYSTEMS, REILS, WHEN AVAILABLE, TO CONFIRM ALIGNMENT WITH RUNWAY 16C NOT TAXIWAY TANGO. ADDITIONALLY, IT IS RECOMMENDED WHEN EXECUTING A SEGMENT OF THE ILS APPROACH FOR A VISUAL TRANSITION, TRACK THE LOCALIZER UNTIL THE RUNWAY ENVIRONMENT IS VISUALLY VERIFIED.
INSERT SEGMENTED AIRPORT DIAGRAM DEPICTING RUNWAY 16C AND TAXIWAY T.

QUALITY CHECKED

CITY AND STATE	ELEVATION: 433 THRE: 430	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP: RNAV (GPS) RWY 16C
SEATTLE, WA	AIRPORT NAME: SEATTLE-TACOMA INTL	RNAV	RNAV (GPS) Y RWY 16C, AMDT 2 7 MARCH 2013	AMDT: 1C DATED: 03/08/2012

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FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KSEA
RUNWAY	RW16C
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	Y
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W16B
LTP/FTP LATITUDE	472749.7125N
LTP/FTP LONGITUDE	1221839.5460W
LTP/FTP ELLIPSOIDAL HEIGHT	+01080
FPAP LATITUDE	472616.6910N
FPAP LONGITUDE	1221840.3600W
THRESHOLD CROSSING HEIGHT (TCH)	00056.6
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0000
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	46D3A1E1

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K1
LTP ORTHOMETRIC HEIGHT	+01309
FPAP ORTHOMETRIC HEIGHT	+01309

QUALITY CHECKED 4

CITY AND STATE	ELEVATION: 433 THRE: 430	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	
SEATTLE, WA	AIRPORT NAME: SEATTLE-TACOMA INTL	RNAV	RNAV (GPS) Y RWY 16C, AMDT 2 7 MARCH 2013	SUP: RNAV (GPS) RWY 16C AMDT: 1C DATED: 03/08/2012

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ARINC PACKET - 424-18 - RNAV (GPS)

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                 1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAD        PAE   K1011060VDLW N47551140W122164020    N47551210W122164180E0200006741     NARPAINE

                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   ANVIL K10    C     N47362071W122183507                     E0166     NAR           ANVIL
        SUSAEAENRT   ERYKA K10    C     N47415960W122183208                     E0166     NAR           ERYKA
        SUSAEAENRT   GRIFY K10    W     N47443841W122225233                     E0167     NAR           GRIFY
        SUSAEAENRT   MGNUM K10    C     N47385133W122183374                     E0166     NAR           MGNUM
        SUSAEAENRT   MILLT K10    C     N47150775W122182881                     E0165     NAR           MILLT
        SUSAEAENRT   OTLIE K10    W     N47235217W122184162                     E0166     NAR           OTLIE
        SUSAEAENRT   SODOE K10    C     N47321593W122183722                     E0166     NAR           SODOE

                 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 KSEAK1FR16CY AGRIFY 010GRIFYK1EA0E  A    IF                                  + 06000     18000                A JS
        SUSAP KSEAK1FR16CY AGRIFY 020MGNUMK1EA0EE B 010TF                     13630065     + 04000                          A JS
        SUSAP KSEAK1FR16CY APAE   010PAE  K1D 0V       IF                                               18000                A JS
        SUSAP KSEAK1FR16CY APAE   020ERYKAK1EA0E  A 020TF                     16850133     + 05000                          A JS
        SUSAP KSEAK1FR16CY APAE   030MGNUMK1EA0EE B 010TF                     16330031     + 04000                          A JS
        SUSAP KSEAK1FR16CY R      010MGNUMK1EA0E  I    IF                                  + 04000     18000                A JS
        SUSAP KSEAK1FR16CY R      011ANVILK1EA0E S  051TF                     16330025     + 03200                          A JS
        SUSAP KSEAK1FR16CY R      020SODOEK1EA1E  F 051TF                     16330041     + 01900                 RW16C K1PGA JS
        SUSAP KSEAK1FR16CY R      020SODOEK1EA2WALPV       ALNAV/VNAV ALNAV                                                   JS
        SUSAP KSEAK1FR16CY R      030RW16CK1PG0GY M 031TF                     16330044       00486            -300          A JS
        SUSAP KSEAK1FR16CY R      040         0  M     CA                     1633         + 00630                          A JS
        SUSAP KSEAK1FR16CY R      050OTLIEK1EA0E       DF                                   - 02000                          A JS
        SUSAP KSEAK1FR16CY R      060MILLTK1EA0EY   010TF                     1621         + 05000                          A JS
        SUSAP KSEAK1FR16CY R      070MILLTK1EA0EE  R   HM                     34270050     + 05000                          A JS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KSEAK1GRW16C   0094261633 N47274971W122183955-0700    +0108000430000057150I
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QUALITY CHECKED 4

CITY AND STATE	ELEVATION: 433 THRE: 430	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP: RNAV (GPS) RWY 16C
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PP      1         2         3         4         5         6         7         8         9         0         1         2         3
        123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KSEAK1PR16CY RW16C001Y0000W16B0N4727497125W12218395460+010800300N4726166910W12218403600106750000000566F40035046D3A1E1
        SUSAP KSEAK1PR16CY RW16C002E      +01309+01309LPV       61010
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MSA     1         2         3         4         5         6         7         8         9         0         1         2         3
        123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KSEAK1SRW16CK1PG                0   18018006425                                                                       M
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CITY AND STATE	ELEVATION: 433 THRE: 430 / AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
SEATTLE, WA	SEATTLE-TACOMA INTL	RNAV	RNAV (GPS) Y RWY 16C, AMDT 2 7 MARCH 2013	RNAV (GPS) RWY 16C AMDT: 1C DATED: 03/08/2012

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ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	GRIFY	GRIFY	010	IAF	IF		FB				AA 06000	
	GRIFY	MGNUM	020		TF		FB	1.0	136.3(153.3T)	006.5	AA 04000	
	PAE	PAE	010		IF		FB					
	PAE	ERYKA	020	IAF	TF		FB	2.0	168.5(185.5T)	013.3	AA 05000	
	PAE	MGNUM	030		TF		FB	1.0	163.3(180.3T)	003.1	AA 04000	
		MGNUM	010	FACF	IF		FB				AA 04000	
		ANVIL	011	SDF	TF		FB	0.5	163.3(180.3T)	002.5	AA 03200	
		SODOE	020	FAF	TF		FB	0.5	163.3(180.3T)	004.1	AA 01900	
		RW16C	030	MAP	TF		FO	0.3	163.3(180.3T)	004.4	AT 00486	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		163.3(180.3T)		AA 00630	
	OTLIE	050		DF		FB				AB 02000	
	MILLT	060		TF		FO	1.0	162.1(179.1T)		AA 05000	
	MILLT	070		HM	R	FO		342.7(359.7T)	005.0	AA 05000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	PAE	N475511.40	W1221640.20	N4755.190	W12216.670
	ANVIL	N473620.71	W1221835.07	N4736.345	W12218.585
	ERYKA	N474159.60	W1221832.08	N4741.993	W12218.535
	GRIFY	N474438.41	W1222252.33	N4744.640	W12222.872
	MGNUM	N473851.33	W1221833.74	N4738.856	W12218.562
	MILLT	N471507.75	W1221828.81	N4715.129	W12218.480
	OTLIE	N472352.17	W1221841.62	N4723.870	W12218.694
	SODOE	N473215.93	W1221837.22	N4732.266	W12218.620
	RW16C	N472749.71	W1221839.55	N4727.829	W12218.659

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW16C	00430	57

QUALITY A CHECKED

CITY AND STATE	ELEVATION: 433 THRE: 430	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP: RNAV (GPS) RWY 16C
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