

TERMINAL ROUTES				MISSED APPROACH	
FROM	TO	COURSE AND DISTANCE	ALTITUDE		
PAE VOR/DME	KENMO/I-SNQ 15.94 DME/RADAR	164.89 / 13.25	5000	ILS: DA LOC: 4.43 MILES AFTER DGLAS/I-SNQ 6.20 DME/RADAR OR AT I-SNQ 1.77 DME FIX	
KENMO/I-SNQ 15.94 DME/RADAR (IAF)	HELZR/I-SNQ 12.82 DME/RADAR	163.34 / 3.12 (I-SNQ)	4000	CLIMB TO 900 ON HEADING 165 THEN ON SEA VORTAC R-161 TO CROSS TEBNE/SEA 2.40 DME/RADAR AT OR BELOW 2000 THEN CLIMB TO 5000 ON SEA VORTAC R-161 TO MILLT INT/SEA 11.00 DME/RADAR AND HOLD, CONTINUE CLIMB-IN-HOLD TO 5000, OR AS DIRECTED BY ATC. (SEE FORM 8260-10)	
GRIFY (IAF)	HELZR (FB)	134.86 / 8.25	4000		
HELZR/I-SNQ 12.82 DME/RADAR (IF)	KARFO/I-SNQ 10.30 DME/RADAR	163.34 / 2.52 (I-SNQ)	3200		
KARFO/I-SNQ 10.30 DME/RADAR	DGLAS/I-SNQ 6.20 DME/RADAR	163.34 / 4.10 (I-SNQ)	1900		
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF)				ADDITIONAL FLIGHT DATA: HOLD S, RT, 340.66 INBOUND. CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD E TCM VORTAC, RT, 261.00 INBOUND. CHART FAS OBST: 514 TREE 472836N/1221818W CHART VDP AT 2.92 DME* DISTANCE VDP TO THLD 1.15 MILES. *LOC ONLY. CHART IN PLANVIEW: TCM VORTAC. CHART AT/ABOVE 6000 AT GRIFY. CHART: 696 ATC TOWER 472721N/1221805W CHART TCM R-032 AT MILLT CHART KBFI IN PLAN AND PROFILE VIEWS. CHART CIRCLING ICON.	
2. PROFILE STARTS AT HELZR/I-SNQ 12.82 DME/RADAR					
3. FAC: <u>163.34</u> FAF: <u>DGLAS/I-SNQ 6.20 DME/RADAR</u> DIST FAF TO MAP: <u>4.43</u> THLD: <u>4.43</u>					
4. MIN. ALT: HELZR 4000, KARFO 3200, DGLAS 1900					
5. DIST TO THLD FROM OM: <u> </u> - <u> </u> MM: <u> </u> - <u> </u> IM: <u>810</u> 150 HAT: <u>1805</u> 100 HAT: <u>851</u> GS ANT: <u>1089</u>					
6. MIN GS INCPT: <u>1900</u> GS ALT AT: <u>DGLAS 1900</u> OM: <u> </u> - <u> </u> MM: <u> </u> - <u> </u> IM: <u>530</u>					
7. GS ANGLE: <u>3.00</u> TCH: <u>55.4</u>					
8. MSA FROM: SEA VORTAC 360-160 6400, 160-250 2200, 250-360 3400					
MINIMUMS				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 16L	697	2000	264	633	1800	200	633	1800	200	633	1800	200			
S-LOC 16L	880	2400	447	880	2400	447	880	4500	447	880	4500	447			
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 16L: CAT B, C, D, RA 248, RVR 1400, HAT 150, DA 583 MSL. CAT A NA.
CATEGORY II ILS - SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED S-ILS 16L: CAT B, C, D, RA 176, RVR 1200, HAT 100, DA 533 MSL. CAT A NA.
CATEGORY III ILS - SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED. S-ILS 16L: CAT III CAT B,C,D, RVR 300. CAT A NA.
 (SEE FORM 8260-10)

CITY AND STATE SEATTLE, WA	ELEVATION: 433 TDZE: 433 AIRPORT NAME: SEATTLE-TACOMA INTL	FACILITY IDENTIFIER: I-SNQ	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 16L, AMDT 7, 10/15/2015 ILS RWY 16L (SA CAT I), ILS RWY 16L (CAT II), ILS RWY 16L (CAT III)	SUP: AMDT: 6 DATED 11/13/2014
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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.

MISSED APPROACH INSTRUCTIONS, (CONT.):

ALTERNATE MA: (SIMULTANEOUS OPERATIONS NA) CLIMB TO 2000 ON HEADING 163 THEN CLIMBING RIGHT TURN DIRECT TCM VORTAC AND HOLD, CONTINUE CLIMB-IN-HOLD TO 5000, HOLD E, RT, 261.00 INBOUND.

NOTE, (CONT.):

CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED WITH RWY 16R.

CHART NOTE: DME OR RADAR REQUIRED.

CHART PLANVIEW NOTE: DME OR RADAR REQUIRED.

CHART PROFILE NOTE: VGS1 AND ILS GLIDEPATH NOT COINCIDENT (VGS1 ANGLE {ANGLE} TCH {FEET}).

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

CHART NOTE: FOR INOPERATIVE ALSF-2, INCREASE S-ILS 16L CAT A VISIBILITY TO RVR 4500, AND CATS B, C, D TO RVR 4000.

CAT II CHART NOTE: RVR 1000 AUTHORIZED WITH SPECIFIC OPSPEC, MSPEC, OR LOA APPROVAL AND USE OF AUTOLAND OR HUD TO TOUCHDOWN.

CHART PLANVIEW NOTE ADJACENT TO GRIFY: GPS REQUIRED.



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				AMDT: 6
				DATED: 11/13/2014

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.29

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ARINC SUMMARY - 424-18 - ILS

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	GRIFY	GRIFY	010	IAF	IF		FB				AA 06000	
	GRIFY	HELZR	020		TF		FB				AA 04000	
	GRIFY	KARFO	030		CF		FB		163.3()	002.5	AA 03200	
	PAE	PAE	010		IF		FB					
	PAE	KENMO	020	IAF	TF		FB				AA 05000	
	PAE	HELZR	030		TF		FB				AA 04000	
	PAE	KARFO	040		CF		FB		163.3()	002.5	AA 03200	
		KARFO	010	FACF	IF		FB				AA 03200	GI 01900
		DGLAS	020	FAF	CF		FB		163.0()	004.1	GI 01900	GS 01900
		RW16L	030	MAP	CF		FO		163.0()	004.4	AT 00488	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		VA		FB		165.0()		AA 00900	
	TEBNE	050		CF		FB		160.7()	004.0	AB 02000	
	MILLT	060		TF		FO				AA 05000	
	MILLT	070		HM	R	FO		340.7()	T01.0	AA 05000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	PAE	N475511.40	W1221640.08	N4755.190	W12216.668
	SEA	N472607.34	W1221834.62	N4726.122	W12218.577
	ISNQ (DME)	N472603.60	W1221822.68	N4726.060	W12218.378
	DGLAS	N473215.57	W1221825.57	N4732.260	W12218.426
	GRIFY	N474609.02	W1222407.43	N4746.150	W12224.124
	HELZR	N473852.62	W1221822.09	N4738.877	W12218.368
	KARFO	N473621.51	W1221823.42	N4736.359	W12218.390
	KENMO	N474159.57	W1221820.43	N4741.993	W12218.341
	MILLT	N471507.75	W1221828.81	N4715.129	W12218.480
	TEBNE	N472343.44	W1221833.38	N4723.724	W12218.556
	RW16L	N472749.66	W1221827.90	N4727.828	W12218.465
	ISNQ (LOC)	N472542.27	W1221829.03	N4725.705	W12218.484

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW16L	00433	55



CITY AND STATE SEATTLE, WA	ELEVATION: 433 TDZE: 433	FACILITY IDENTIFIER: I-SNQ	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME: SEATTLE-TACOMA INTL		ILS OR LOC RWY 16L, AMDT 7, 10/15/2015	AMDT: 6
			ILS RWY 16L (SA CAT I), ILS RWY 16L (CAT II), ILS RWY 16L (CAT III)	DATED: 11/13/2014

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

LOC STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - TITLE 14 CFR 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
	GRIFY	GRIFY	010	IAF	IF		FB				AA 06000	
	GRIFY	HELZR	020		TF		FB				AA 04000	
	GRIFY	KARFO	030		CF		FB		163.3 ()	002.5	AA 03200	
	PAE	PAE	010		IF		FB					
	PAE	KENMO	020	IAF	TF		FB				AA 05000	
	PAE	HELZR	030		TF		FB				AA 04000	
	PAE	KARFO	040		CF		FB		163.3 ()	002.5	AA 03200	
		KARFO	010	FACF	IF		FB				AA 03200	
		DGLAS	020	FAF	CF		FB		163.0 ()	004.1	AA 01900	
		RW16L	030	MAP	CF		FO		163.0 ()	004.4	AT 00488	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		VA		FB		165.0 ()		AA 00900	
	TEBNE	050		CF		FB		160.7 ()	004.0	AB 02000	
	MILLT	060		TF		FO				AA 05000	
	MILLT	070		HM	R	FO		340.7 ()	T01.0	AA 05000	

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	SEA	N472607.34	W1221834.62	N4726.122	W12218.577
	ISNQ (DME)	N472603.60	W1221822.68	N4726.060	W12218.378
	DGLAS	N473215.57	W1221825.57	N4732.260	W12218.426
	GRIFY	N474609.02	W1222407.43	N4746.150	W12224.124
	HELZR	N473852.62	W1221822.09	N4738.877	W12218.368
	KARFO	N473621.51	W1221823.42	N4736.359	W12218.390
	KENMO	N474159.57	W1221820.43	N4741.993	W12218.341
	MILLT	N471507.75	W1221828.81	N4715.129	W12218.480
	TEBNE	N472343.44	W1221833.38	N4723.724	W12218.556
	RW16L	N472749.66	W1221827.90	N4727.828	W12218.465
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	RW16L	00433	55



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			ILS RWY 16L (SA CAT I), ILS RWY 16L (CAT II), ILS RWY 16L (CAT III)	DATED: 11/13/2014