

US Department of Transportation Federal Aviation Administration				STAR - Standard Terminal Arrival			1. Bearings, headings, courses and radials are listed to the nearest hundredth (e.g. 360.00) 2. Distances are in nautical miles to nearest hundredth (e.g. 00.00) 3. Altitudes are minimum altitudes unless otherwise indicated		
(1) Transition Routes									
(a) Transition Name	(b) Transition Computer Codes	(c) From RNAV WP/ FIX/NAVAID	(d) To RNAV WP/ FIX/NAVAID	(e) Mag Course/ Distance	(f) MEA	(g) MOCA	(h) MAA	(i) Crossing Altitudes / Fixes	
Klickitat	LTJ.BONVL7	LTJ VOR/DME	HADIE INT	229.73/21.00 (LTJ R-230)	8,000			DUFUR AT OR ABOVE FL200	
Pendleton	PDT.BONVL7	HADIE INT PDT VORTAC	BONVL INT ARNIT INT	229.73/14.90 (LTJ R-230) 241.19/55.00 (PDT R-241)	8,000 FL200				
		ARNIT INT DUFUR INT	DUFUR INT RAINR INT	241.19/41.84 (PDT R-241) 259.00/15.0 (PDX R-079)	FL200 13,000				
		RAINR INT RNDDI INT	RNDDI INT BONVL INT	259.00/8.00 (PDX R-079) 259.00/7.00 (PDX R-079)	10,000 8,000				
Kimberly	IMB.BONVL7	IMB VORTAC	LARNO INT	286.94/35.00 (IMB R-287)	FL200				DUFUR AT OR ABOVE FL200
		LARNO INT DUFUR INT	DUFUR INT RAINR INT	286.94/43.88 (IMB R-287) 259.00/15.0 (PDX R-079)	FL200 13,000				
		RAINR INT RNDDI INT	RNDDI INT BONVL INT	259.00/8.00 (PDX R-079) 259.00/7.00 (PDX R-079)	10,000 8,000				
(2) Arrival Route Description: From over BONVL INT: Landing East – via PDX R-079 to REEDI DME FIX. Depart REEDI DME Fix heading 280° for radar vectors to final approach course. Landing West – via PDX R-079 to REEDI DME FIX, for radar vectors to final approach course.									
(3) Procedural Data Notes: <div style="display: flex; justify-content: space-between;"> <div style="width: 30%;"> LTJ Transition: PDT/IMB Transitions: </div> <div style="width: 30%;"> TURBOJET: PROP/TURBOPROP: </div> <div style="width: 35%;"> Landing East: Cross BONVL DME FIX at and maintain 14,000. Cross at 300 KIAS or less. Landing East: Cross REEDI DME FIX at 250 KIAS. Landing West: Cross BONVL DME FIX at and maintain 10,000. Cross at 250 KIAS. Landing East: Cross BONVL DME FIX at and maintain 12,000. Landing West: Cross HADIE DME FIX at and maintain 8,000. Landing East: Cross BONVL DME FIX at and maintain 14,000. Cross at 300 KIAS or less. Landing East: Cross REEDI DME FIX at 250 KIAS. Landing West: Cross BONVL DME FIX at and maintain 10,000. Cross at 250 KIAS. Landing East: Cross BONVL DME FIX at and maintain 12,000. Landing West: Cross BONVL DME FIX at and maintain 8,000. </div> </div>									
NOTE: DME REQUIRED CHART: CAUTION: Intermittent glider activity at and below 17,500 MSL between RAINR INT and BONVL INT.									
(4) Fixes and/or Holding Patterns: CHART: BTG VORTAC, REEDI DME FIX, COLUMBIA TACAN CHART HOLDING: LTJ VOR/DME – Hold E, RT 250 inbound RAINR INT – Hold E, RT, 259 inbound LARNO DME FIX – Hold E, RT, 287 inbound ARNIT DME FIX – Hold NE, LT, 241 inbound									
(5) Communications: CHART: PDX ATIS, PDX Approach Control									
(6) Arrival Name BONVL	(7) Number SEVEN	(8) STAR Computer Code BONVL.BONVL7	(9) Superseded Nr. SIX	(10) Dated 07/02/09	(11) Effective Date 07 MAR 2013				

PAGE 2 OF 7

(16) Continuation:

(17) Changes: (1) Replace fix HODD with RNDI.

(18) Reasons for Changes:

(1) New RNAV STAR, HHOOD1 has similar fix, HHOOD, which could cause confusion.

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FAA Form 7100-4 (7/02)

STAR (Data Record)

[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KPDXX1EBONVL71IMB	010IMB	K1D	OV	IF					18000			
SUSAP	KPDXX1EBONVL71IMB	020LARNOK1EA0E	H	TF		28690350							
SUSAP	KPDXX1EBONVL71IMB	030DUFURK1EA0E		TF		28690439		+ FL200					
SUSAP	KPDXX1EBONVL71IMB	040RAINRK1EA0E	H	TF		25900150							
SUSAP	KPDXX1EBONVL71IMB	050RNDDIK1EA0E		TF		25900080							
SUSAP	KPDXX1EBONVL71IMB	060BONVLK1EA0EE		TF		25900070							
SUSAP	KPDXX1EBONVL71LTJ	010LTJ	K1D	OV	H	IF				18000			
SUSAP	KPDXX1EBONVL71LTJ	020HADIEK1EA0E		TF		22970210							
SUSAP	KPDXX1EBONVL71LTJ	030BONVLK1EA0EE		TF		22970149							
SUSAP	KPDXX1EBONVL71PDT	010PDT	K1D	OV	IF					18000			
SUSAP	KPDXX1EBONVL71PDT	020ARNITK1EA0E	H	TF		24120550							
SUSAP	KPDXX1EBONVL71PDT	030DUFURK1EA0E		TF		24120418		+ FL200					

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STAR (Data Record)

QUALITY
1
CHECKED

**US Department of Transportation
Federal Aviation Administration**
STAR (Data Record)

ARINC SUMMARY - 424-18 - STAR

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	IMB	IMB	010		IF		FB					
	IMB	LARNO	020		TF		FB		286.9()	035.0		
	IMB	DUFUR	030		TF		FB		286.9()	043.9	AA FL200	
	IMB	RAINR	040		TF		FB		259.0()	015.0		
	IMB	RNDDI	050		TF		FB		259.0()	008.0		
	IMB	BONVL	060		TF		FB		259.0()	007.0		
	LTJ	LTJ	010		IF		FB					
	LTJ	HADIE	020		TF		FB		229.7()	021.0		
	LTJ	BONVL	030		TF		FB		229.7()	014.9		
	PDT	PDT	010		IF		FB					
	PDT	ARNIT	020		TF		FB		241.2()	055.0		
	PDT	DUFUR	030		TF		FB		241.2()	041.8	AA FL200	
	PDT	RAINR	040		TF		FB		259.0()	015.0		
	PDT	RNDDI	050		TF		FB		259.0()	008.0		
	PDT	BONVL	060		TF		FB		259.0()	007.0		
	RW03	BONVL	010		IF		FB					
	RW03	REEDI	020		TF		FO		259.0()			
	RW03	KPDX	030		VM		FB		280.0()			
	RW10B	BONVL	010		IF		FB					
	RW10B	REEDI	020		TF		FO		259.0()			
	RW10B	KPDX	030		VM		FB		280.0()			
	RW21	BONVL	010		IF		FB					
	RW21	REEDI	020		TF		FO		259.0()			
	RW21	REEDI	030		FM		FB		259.0()			
	RW28B	BONVL	010		IF		FB					
	RW28B	REEDI	020		TF		FO		259.0()			
	RW28B	REEDI	030		FM		FB		259.0()			

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	IMB	N443854.21	W1194241.87	N4438.904	W11942.698
	INA	N405357.40	W1174843.89	N4053.957	W11748.732
	LTJ	N454248.90	W1210603.00	N4542.815	W12106.050
	PDT	N454154.31	W1185619.33	N4541.905	W11856.322
	ARNIT	N453302.58	W1201340.08	N4533.043	W12013.668
	BONVL	N453048.02	W1215414.32	N4530.800	W12154.239
	DUFUR	N452543.22	W1211213.48	N4525.720	W12112.225
	HADIE	N453549.67	W1213416.94	N4535.828	W12134.282

(11)
Arrival Name
BONVL

(12)
Number
SEVEN

(13)
STAR Computer Code
BONVL.BONVL7

(14)
Superseded Nr.
SIX

(15)
Dated
07/02/09

(16)
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LARNO	N445949.30	W1202207.33	N4459.822	W12022.122
RAINR	N452817.54	W1213312.95	N4528.292	W12133.216
REEDI	N453343.47	W1221930.40	N4533.725	W12219.507
RNDDI	N452938.27	W1214425.39	N4529.638	W12144.423
RW03	N453456.73	W1223700.52	N4534.946	W12237.009
RW10L	N453541.28	W1223544.19	N4535.688	W12235.737
RW10R	N453542.53	W1223717.30	N4535.709	W12237.288
RW21	N453538.61	W1223600.85	N4535.644	W12236.014
RW28L	N453449.85	W1223502.05	N4534.831	W12235.034
RW28R	N453502.94	W1223405.84	N4535.049	W12234.097

RUNWAY DATA

RWY	THRESHOLD ELEVATION	TCH
RW03	00022	60
RW10L	00030	49
RW10R	00023	53
RW21	00026	32
RW28L	00023	55
RW28R	00031	54

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BONVL	SEVEN	BONVL.BONVL7	SIX	07/02/09	07 MAR 2013