

U.S. DEPARTMENT of TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION
GRAPHIC DEPARTURE PROCEDURE (DP)

Bearings, headings, courses, tracks, and radials are magnetic. Elevation and altitudes are in feet MSL. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation.
 Distances are in nautical miles. Visibilities are in statute miles or feet RVR unless otherwise indicated. Graphic depictions attached.

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
GNATS	SEVEN	GNATS7.GNATS	SIX	07 MAR 2013	21 JUL 2016

TYPE: SID

DP ROUTE DESCRIPTION:

TAKEOFF RWY 14: CLIMBING RIGHT TURN ON HEADING 350.00 TO INTERCEPT BEARING 272 FROM MEF NDB TO GNATS INT. THENCE...

TAKEOFF RWY 32: CLIMB ON HEADING 322.77 TO 1800 THEN CLIMBING LEFT TURN ON HEADING 250.00 TO INTERCEPT BEARING 272 FROM MEF NDB TO GNATS INT. THENCE...

...VIA (TRANSITION) OR (ASSIGNED ROUTE). MAINTAIN 11000 OR ASSIGNED LOWER ALTITUDE.

TRANSITION ROUTES (GRAPHIC DEPICTION ONLY):

Transition Name	Transition Computer Codes	From FIX/NAVAID	To FIX/NAVAID	Course	Distance	MEA	MOCA	Crossing Altitudes/Fixes
COPPO	GNATS7.COPPO	GNATS INT OLECY	OLECY COPPO	216.01 (OED R-216) OED 15.00 DME ARC CCW	9.23	6200 7400		
DREWS	GNATS7.DREWS	GNATS INT MERLI INT	MERLI INT DREWS	271.61 (MEF BRG-272) OED 15.00 DME ARC CW	10.91	6600 7500		
HANDY	GNATS7.HANDY	GNATS INT OLECY	OLECY HANDY	216.01 (OED R-216) OED 15.00 DME ARC CCW	9.23	6200 7400		
KOLER	GNATS7.KOLER	GNATS INT MERLI INT	MERLI INT KOLER INT	271.61 (MEF BRG-272) 334.15 (RBG R-154)	10.91 17.42	6600 8000	7500	
MOURN	GNATS7.MOURN	GNATS INT MERLI INT	MERLI INT UZEHE	271.61 (MEF BRG-272) OED 15.00 DME ARC CW	10.91	6600 7500		
TALEM	GNATS7.TALEM	GNATS INT OLECY	OLECY LIPWO	216.01 (OED R-216) OED 15.00 DME ARC CCW	9.23	6200 7400		
		LIPWO	TALEM	156.55 (OED R-157)	5.00	10000		



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PROCEDURAL DATA NOTES/TAKEOFF MINIMUMS:

TAKEOFF RWY 14: STANDARD WITH A MINIMUM CLIMB OF 435 FT PER NM TO 4800.
TAKEOFF RWY 32: STANDARD WITH A MINIMUM CLIMB OF 400 FT PER NM TO 6800.
CHART NOTE: ADF AND DME REQUIRED

TAKEOFF OBSTACLES NOTES:**CONTROLLING OBSTACLES:**

RWY 14: 4039 FT MSL AAO 422051.31N/1230139.26W

RWY 32: 4694 FT MSL AAO 424204.60N/1225616.60W.

LOST COMMUNICATIONS PROCEDURES:**ADDITIONAL FLIGHT DATA:**

CHART V-495 (MERLI TO KOLER)
CHART V-122 (OED 15.00 DME OUTBOUND)
CHART V-23 (OED 15 DME OUTBOUND TO TALEM)
CHART V-23-121 (OED 15 DME OUTBOUND TO MOURN)
CHART: TOP ALTITUDE: 11000

AIRPORTS SERVED:

ROGUE VALLEY INTL – MEDFORD

MEDFORD, OR

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COMMUNICATIONS:

ATIS, GND CON, MFR TWR, CASCADE APP / DEP CON, SEATTLE CENTER, CTAF

FIXES AND/OR NAVAIDS:**REMARKS:**

WAIVER SUBMITTED FOR USE OF DME ARC ON SID

REQUIRED EFFECTIVE DATE:

ROUTINE

COORDINATED WITH:

ALPA, AOPA, APA, NBAA, ATA, ZSE, CASCADE APP/DEP CON, MFR TWR, ARPT MGR, OR AERO DIV

CHANGES:

ADDED CHART: TOP ALTITUDE: 11000

REASONS:

ATC REQUEST

DEPARTURE (DATA RECORD)

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ARINC SUMMARY - KMFR

ROUTES

TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE
RW14	010		CA	FB		142.8						AA 01735		
RW14	020		VI	FB		350.0			R					
RW14	030	GNATS	CF	FB		272.0	CIC							EE
RW32	010		VA	FB		322.8						AA 01800		
RW32	020		VI	FB		250.0								
RW32	030	GNATS	CF	FB		272.0	CIC							EE
COPPO	010	GNATS	IF	FB										E
COPPO	020	OLECY	TF	FB		216.0	OED							E
COPPO	030	COPPO	AF	FB		216.0	OED		L					EE
DREWS	010	GNATS	IF	FB										E
DREWS	020	MERLI	TF	FB		271.6	OED							E
DREWS	030	DREWS	AF	FB		251.0	OED		R					EE
HANDY	010	GNATS	IF	FB										E
HANDY	020	OLECY	TF	FB		216.0	OED							E
HANDY	030	HANDY	AF	FB		216.0	OED		L					EE
KOLER	010	GNATS	IF	FB										E
KOLER	020	MERLI	TF	FB		271.6								E
KOLER	030	KOLER	TF	FB		334.2								EE
MOURN	010	GNATS	IF	FB										E
MOURN	020	MERLI	TF	FB		271.6	OED							E
MOURN	030	UZEHE	AF	FB		251.0	OED		R					E
MOURN	040	MOURN	TF	FB		333.3								EE
TALEM	010	GNATS	IF	FB										E
TALEM	020	OLECY	TF	FB		216.0	OED							E
TALEM	030	LIPWO	AF	FB		216.0	OED		L					E
TALEM	040	TALEM	TF	FB		156.6								EE

POINTS

POINT NAME	LATITUDE	LONGITUDE
CIC	N394723.37	W1215049.90
OED	N422846.47	W1225446.56
COPPO	N421346.26	W1225436.83
DREWS	N424344.70	W1225322.72
GNATS	N422528.53	W1230109.97
HANDY	N421406.89	W1225028.07
KOLER	N424604.96	W1231738.13

QUALITY
28
CHECKED

DEPARTURE (DATA RECORD)

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GNATS		SEVEN	GNATS7 . GNATS	SIX	07 MAR 2013	21 JUL 2016
LIPWO	N421348.85	W1225312.56				
MERLI	N422844.68	W1231513.39				
MOURN	N425929.93	W1230028.23				
OLECY	N422008.94	W1231120.69				
TALEM	N420849.70	W1225241.50				
UZEHE	N424338.55	W1225731.24				
RUNWAYS						
RUNWAY	THRESHOLD	THRESHOLD	THRESHOLD			
	LATITUDE	LONGITUDE	ELEVATION			
RW14	N422310.38	W1225245.07	01294			
RW32	N422149.36	W1225202.61	01335			