

**ENR 4. RADIO NAVIGATION AIDS/SYSTEMS**

**ENR 4.1 RADIO NAVIGATION AIDS—EN-ROUTE**

<i>Name of station (VOR/VAR)</i>	<i>ID</i>	<i>Frequency (CH)</i>	<i>Hours of operation</i>	<i>Coordinates</i>	<i>ELEV DME antenna</i>	<i>Remarks and operating authority other than CAO</i>
1	2	3	4	5	6	7
ABADAN DVOR/DME (4° E)	ABD	115.100 MHZ (CH 98X)	H24	302231.1N 0481314.2E		
ABUMUSA ISLAND NDB/DME	ABM	285 KHZ (CH 101X) 115.400 MHZ	H24	255240.8N 0550122.1E	32 FT	
AHWAZ DVOR/DME (4° E)	AWZ	114.000 MHZ (CH 87X)	H24	312015.3N 0484552.5E		
AGHAJARI DVOR/DME (3°30' E)	AJR	114.900 MHZ (CH 96X)	H24	304441.1N 0494049.3E	51FT	
ANARAK VOR/DME (3° E)	ANK	112.700 MHZ (CH 74X)	H24	333215.1N 0534346.8E		VOR/DME unusable in the FLW area CCW NM: 1- 130°-360°, BLW 9500 FT AMSL 2- 340°-250°, BLW 10500 FT AMSL 3- 240°-216°, BLW 16000 FT AMSL 4- 200°-180°, BLW 18000 FT AMSL 5- 170°-140°, BLW 16000 FT AMSL
ARAK VOR/DME (4° E)	ARK	114.800 MHZ (CH 95X)	H24	340813.9N 0495113.8E	5449 FT	
ARDABIL VOR/DME (5°30' E)	ARB	115.700 MHZ (CH 104X)	H24	381856.5N 0482605.1E	4307 FT	
BAM VOR/DME (2° E)	BAM	114.900 MHZ (CH 96X)	H24	290438.9N 0582730.0E	3145 FT	→ VOR coverage on RDL 333° is 56NM at 11000FT and 67.7NM at 16000FT.
BANDAR ABBAS DVOR/DME (2° E)	BND	117.200 MHZ (CH 119X)	H24	271149.4N 0562200.3E	13 FT	
BANDAR LENGEH VOR/DME (2° E)	LEN	114.800 MHZ (CH 95X)	H24	263210.1N 0545104.2E	72 FT	
BANDAR MAHSHAHR DVOR/DME (4° E)	MAH	115.800 MHZ (CH 105X)	H24	303322.9N 0490858.0E		Iranian Air Transportation Company - NAFT
BIRJAND DVOR/DME (3° E)	BJD	113.500 MHZ (CH 82X)	H24	325820.7N 0591200.5E		
BOJNORD DVOR/DME (5° E /2017)	BRD	114.800 MHZ (CH 95X)	H24	372942.2N 0571923.8E		
BUSHEHR DVOR/DME (3°E)	BUZ	117.450 MHZ (CH 121Y)	H24	285704.7N 0504933.5E	24 FT	

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CHAH BAHAR DVOR/DME (1° E)	CBH	115.600 MHZ CH 103X	H24	252641.9N 0602451.7E		
DARBAND VOR/DME (2°30' E)	DAR	113.700 MHZ (CH 84X)	H24	314659.4N 0565940.4E		
DASHT-E-NAZ DVOR/DME (4° E)	DNZ	113.100 MHZ (CH 78X)	H24	363853.6N 0531120.1E		
DEHNAMAK VOR/DME (5° E)	DHN	114.500 MHZ (CH 92X)	H24	351515.0N 0524312.0E		VOR unusable in the FLW area clockwise direction at and beyond 40 NM: 1- 360°-050°, BLW 20000 FT AMSL. → The coverage of RDL 034° at 20000 FT is 47 NM. 2- 050°-080°, BLW 11000 FT AMSL. → The coverage of RDL 075° at 16000 FT is 62 NM also the coverage of this RDL at 21000 FT is 94.5 NM. 3- 080°-180°, BLW 8000 FT AMSL. 4- 180°-250°, BLW 7000 FT AMSL. 5- 250°-290°, BLW 12000 FT AMSL. 6- 290°-310°, BLW 18000 FT AMSL. 7- 310°-360°, BLW 20000 FT AMSL.
DEZFUL NDB	DZF	293 KHZ	H24	322616.9N 0482241.8E		IRIAF
ESFAHAN DVOR/DME (4° E)	ISN	113.200 MHZ (CH 79X)	H24	324449.1N 0514940.8E	5072 FT	
GHESHM ISLAND NDB/DME	KHM	335 KHZ (CH 118X) 117.100 MHZ	H24	264547.1N 0555427.6E	31 FT	
GORGAN DVOR/DME (5° E)	GGN	117.600 MHZ (CH 123X)	H24	365544.7N 0542233.3E	-100 FT	
HAMADAN VOR/DME (5° E)	HAM	117.900 MHZ (CH 126X)	H24	345200.8N 0483301.0E	5717 FT	
HAMADAN / Nogeh VORTAC (3°30' E)	HAB	115.400 MHZ (CH101X)	H24	351234.0N 0483931.0E		IRIAF
ILAM DVOR/DME (5° E)	ILM	112.600 MHZ (CH 73X)	H24	333442.3N 0462455.4E	4426 FT	
IMAM KHOMAINI DVOR/DME (5° E)	IKA	114.300 MHZ CH90X	H24	352434.8N 0511042.5E	3271 FT	
IRAN SHAHR VOR/DME (2° E)	ISR	117.000 MHZ (CH 117X)	H24	271403.8N 0604320.4E		
JASK NDB	JSK	349 KHZ	H24	253905.8N 0574700.5E		

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1	2	3	4	5	6	7
KALALEH NDB	KLH	325 KHZ	H24	372317.1N 0552723.8E		
KERMANSHAH DVOR/DME (3°30' E)	KMS	114.600 MHZ (CH 93X)	H24	342023.0N 0471008.9E	4308 FT	→ RDL 348° has coverage of 21NM at 13000FT. → RDL 071° has coverage of 26NM at 13000FT.
KHARK ISLAND DVOR/DME (2°30' E)	KHG	113.400 MHZ (CH 81X)	H24	291550.0N 0501900.7E		Iranian Air Transportation Company - NAFT
KHORAM ABAD DVOR/DME (4° E)	KRD	113.750 MHZ (CH 84Y)	H24	332603.1N 0481730.7E	3791 FT	
KHOY VOR/DME (5°30' E)	KHY	114.900 MHZ (CH 96X)	H24	382601.4N 0445758.9E	3844 FT	
KISH ISLAND VOR/DME (2° E)	KIS	117.400 MHZ (CH 121X)	H24	263130.6N 0535744.7E	87 FT	
LAMERD VOR/DME (2° E)	LAM	117.000 MHZ (CH 117X)	H24	272222.2N 0531102.3E	1329 FT	
LAR DVOR/DME (3° E)	LAR	117.900 MHZ (CH 126X)	H24	274030.7N 0542454.7E	2610 FT	→ DVOR/DME unusable on RDL 197° beyond 23 NM
LAVAN ISLAND DVOR/DME (2° E)	LVA	116.850 MHZ (CH 115Y)	H24	264843.4N 0532121.1E		Iranian Air Transportation Company - NAFT
MASHHAD DVOR/DME (4° E)	MSD	114.000 MHZ (CH 87X)	H24	361352.2N 0593902.0E	3251 FT	
NOSHAHR DVOR/DME (5° E)	NSH	116.100 MHZ (CH 108X)	H24	363946.1N 0512751.4E		
PARSABADE MOGHAN NDB	PAD	450 KHZ	H24	393442.7N 0475802.8E		
PARSABADE MOGHAN VOR/DME (5° E)	PAD	112.200 MHZ (CH 59X)	H24	393611.2N 0475323.9E		
PERSIAN GULF DVOR/DME(PRG) (3° E)	PRG	112.100 MHZ CH 58X	H24	272137.2N 0524552.0E	21 FT	
RAFSANJAN NDB/DME	RAF	260 KHZ (CH 70X) 112.300 MHZ	H24	301809.9N 0560320.3E		

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1	2	3	4	5	6	7
RAMSAR NDB/DME	RSR	332 KHZ (CH102X) 115.500 MHZ	H24	365412.5N 0504049.6E	-21 FT	
RASHT DVOR/DME (5° E)	RST	112.600 MHZ (CH 73X)	H24	371934.8N 0493657.1E	-42 FT	
RUDESHUR VOR/DME	RUS	116.950 MHZ (CH 116Y)	H24	352643.7N 0505419.3E	3661 FT	
SABZEVAR VOR/DME (4° E)	SBZ	117.000 MHZ (CH 117X)	H24	361010.9N 0573415.0E		
SANANDAJ VOR/DME (4° E)	SNJ	116.500 MHZ (CH 112X)	H24	351419.7N 0470029.2E		
SARAVAN NDB/DME	SRN	300 KHZ (CH 88X) 114.100 MHZ	H24	272454.1N 0621931.5E		
SAVEH NDB/DME	SAV	408 KHZ (CH 99X) 115.200 MHZ	H24	350106.8N 0502216.9E		
SHIRAZ DVOR/DME (3°E)	SYZ	117.800 MHZ (CH 125X)	H24	293224.6N 0523519.6E	4889 FT	
SHAHROUD VOR/DME(SHR) (5° E)	SHR	115.100 MHZ (CH 98X)	H24	362522.3N 0550519.6E		
SIRJAN VOR/DME (3° E)	SRJ	114.600 MHZ (CH 93X)	H24	293322.5N 0553937.0E	5801 FT	
SIRRI ISLAND DVOR/DME (2° E)	SIR	113.750 MHZ (CH 84Y)	H24	255452.5N 0543206.3E	23 FT	Iranian Air Transportation Company - NAFT
TABAS VOR/DME (3°30' E)	TBS	113.000 MHZ (CH 77X)	H24	334021.2N 0565330.9E		
TABRIZ DVOR/DME (5° E)	TBZ	117.700 MHZ (CH 124X)	H24	380853.5N 0461246.6E		
KERMAN DVOR/DME	KER	112.000 MHZ CH 57X	H24	301658.1N 0565632.3E		
TEHRAN DVOR/DME (5° E)	TRN	115.300 MHZ (CH 100X)	H24	354149.1N 0511701.6E	3989 FT	

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1	2	3	4	5	6	7
UROMIYEH DVOR/DME (5° E)	UMH	113.500 MHZ (CH 82X)	H24	374114.0N 0450503.7E	4265 FT	
VARAMIN NDB	VR	373 KHZ	H24	352033.6N 0513813.8E		
YASOUJ DVOR/DME (3° E)	YSJ	116.550 MHZ CH 112Y	H24	304136.0N 0513324.1E		→ Maximum coverage of DVOR on RDL 019° is 14NM.
YAZD VOR/DME (3° E)	YZD	117.700 MHZ (CH 124X)	H24	315351.6N 0541657.7E	4047FT	
ZABOL VOR/DME (2° E)	ZAL	113.100 MHZ CH 78X	H24	310543.9N 0613230.8E		
ZAHEDAN VOR/DME (2° E)	ZDN	116.000 MHZ (CH 107X)	H24	292912.3N 0605405.7E	4487 FT	
ZANJAN VOR/DME (5° E)	ZAJ	114.400 MHZ (CH 91X)	H24	364646.8N 0482111.9E	5348 FT	