

**ENR 3. ATS ROUTES**  
**ENR 3.1 ATS ROUTES**

Route designator Name of significant points Coordinates	MAG TR DIST	Upper limits Lower limits MNM FLT ALT Airspace classification	Lateral limits (NM)	Direction of cruising levels		Remarks Controlling unit FREQ	
				Odd	Even		
1	2	3	4	5		6	
<b>A414</b> <b>RNAV 5 above FL285</b>  <b>▲</b> DEHNAMAK VOR/DME(DHN) 351515.0N 0524312.0E  <b>▲</b> BUBUX 353023N 0524814E  <b>▲</b> LABET 360950N 0530127E  <b>▲</b> DASHT-E-NAZ DVOR/DME(DNZ) 363853.6N 0531120.1E  <b>△</b> DATOL 364717N 0534706E  <b>△</b> IMPIR 364958N 0535846E  <b>▲</b> GORGAN DVOR/DME(GGN) 365544.7N 0542233.3E  <b>△</b> ALNIT 370022N 0544645E  <b>△</b> ORSEK 370517N 0551109E  <b>△</b> EGLUL 372407N 0564855E  <b>▲</b> BOJNORD DVOR/DME (BRD) 372942.2N 0571923.8E  <b>▲</b> DEBER 375006N 0580200E							
		011° 191°	UNL FL 150  Class A, D	20	↓	Tehran Radar FREQ: 120.700 MHZ MOCA 13200 FT (DHN-LABET)	
		15.7 NM					
		011° 191°					
		40.9 NM					MOCA 11200 FT (LABET-DNZ)
		011° 191°					
		30.0 NM					MOCA 6600 FT (DNZ-GGN)
		069° 250°	UNL FL 70	10			
		30.0 NM					
		069° 249°					
		9.7 NM	Class A, D				
		068° 249°					
		20.0 NM					MOCA 5100 FT (GGN-ALNIT)
		071° 251°	UNL FL 110				
		20.0 NM	Class A, D				
	072° 252°	UNL FL 130				MOCA 11100 FT (ALNIT-BRD)	
	20.1 NM	Class A, D					
	071° 252°	UNL FL 130					
	80.2 NM						
	072° 252°	Class A, D					
	25.0 NM						
	054° 234°	UNL FL 130					
	39.5 NM	Class A, D					
				↑	Tehran FIR Ashgabat FIR		

Note: Reporting points on TMA/ CTR boundaries are compulsory within TMA/ CTR limits.

Route designator Name of significant points Coordinates	MAG TR DIST	Upper limits Lower limits MNM FLT ALT Airspace classification	Lateral limits (NM)	Direction of cruising levels		Remarks Controlling unit <i>FREQ</i>
				Odd	Even	
1	2	3	4	5		6
<b>A416</b> <b>RNAV 5 above FL285</b>						
▲ TABRIZ DVOR/DME (TBZ) 380853.5N 0461246.6E	079° 260°	UNL FL 200  Class A, D	10	↓		Tehran Radar FREQ: 132.500 MHZ MOCA 18000FT (TBZ-ARB)
△ EGVON 381647N 0475421E	80.2 NM 080° 260°					
▲ ARDABIL VOR/DME (ARB) 381856.5N 0482605.1E	25.0 NM 132° 313°	UNL FL 130				MOCA 12200FT (ARB-RST)
△ GIVTA 380050N 0484744E	25.0 NM 132° 313°					
△ GABMI 374115N 0491052E	26.8 NM 132° 312°	Class A, D				
▲ RASHT DVOR/DME (RST) 371934.8N 0493657.1E	30.0 NM 112° 292°					
△ KOBUB 370621N 0501031E	30.0 NM 112° 292°	UNL FL 130				MOCA 9000FT (RST-KOBUB)
△ EGMAN 370311N 0501827E	6.9 NM 112° 292°	Class A, D				MOCA 12600FT (KOBUB-RSR)
▲ RAMSAR NDB/DME (RSR) 365412.5N 0504049.6E	20.0 NM 106° 286°					
△ ALKUP 364702N 0510409E	20.0 NM 106° 286°	Class A, D				MOCA 9000 FT (RSR-NSH)
▲ NOSHAHR DVOR/DME (NSH) 363946.1N 0512751.4E	20.4 NM 086° 266°					
△ IMKER 363938N 0515239E	20.0 NM 086° 266°	UNL FL 100  Class A, D				Tehran Radar FREQ: 120.700 MHZ MOCA7600 FT (NSH-DNZ)
<b>Cont.</b>	33.3 NM				↑	

Route designator Name of significant points Coordinates	MAG TR DIST	Upper limits Lower limits MNM FLT ALT Airspace classification	Lateral limits (NM)	Direction of cruising levels		Remarks Controlling unit FREQ
				Odd	Even	
1	2	3	4	5		6
△ MODEK 363918N 0523407E	086° 266°	UNL FL 100	10	↓		Tehran Radar FREQ: 120.700 MHZ
▲ DASHT-E-NAZ DVOR/DME(DNZ) 363853.6N 0531120.1E	30.0 NM 069° 250°	Class A, D UNL FL 70				MOCA 6600 FT (DNZ-GGN)
△ DATOL 364717N 0534706E	30.0 NM 069° 249°					
▲ IMPIR 364958N 0535846E	9.7 NM 068° 249°	Class A, D				
▲ GORGAN DVOR/DME (GGN) 365544.7N 0542233.3E	20.0 NM 101° 282°	UNL FL 160	16			MOCA 11700 FT (GGN-LOVEN)
▲ LOVEN 363926N 0553355E	59.6 NM 102° 282°					MOCA 10200 FT (LOVEN-SBZ)
▲ ODKOL 363136N 0560702E	27.8 NM 102° 283°	Class A, D				
▣ SABZEVAR VOR/DME (SBZ) 361010.9N 0573415.0E	73.6 NM 109° 290°	UNL FL 160		↓	↑	Tehran Radar FREQ: 120.700 MHZ Unidirectional eastbound from SBZ to MSD.
▲ LOXED 355854N 0580609E	28.2 NM 078° 258°	Class A, D UNL FL 130	10			
△ RIBUX 360112N 0582647E	16.8 NM 073° 254°	Class A, D UNL FL 130				
▲ MASHHAD DVOR/DME (MSD) 361352.2N 0593902.0E	60.0 NM 160° 341°	Class A, C UNL FL 260		↓	↑	MOCA 12000 FT (MSD-SOKAM)
△ SOGES 351600N 0595822E	60.0 NM 161° 342°	Class A				
▲ SOKAM 331316N 0603754E	127.0 NM				↑	Tehran FIR Kabul FIR

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Route designator Name of significant points Coordinates	MAG TR DIST	Upper limits Lower limits MNM FLT ALT Airspace classification	Lateral limits (NM)	Direction of cruising levels		Remarks Controlling unit FREQ
				Odd	Even	
1	2	3	4	5		6
<b>A418</b> <b>RNAV5 above FL200</b>						
▲ SHIRAZ DVOR/DME(SYZ) 293224.6N 0523519.6E	148° 329°	<u>UNL</u> FL 130	20	↓		Tehran Radar FREQ: 133.400 MHZ
△ SITEN 290207N 0525532E	35.0 NM 148° 329°	Class A, C				
▲ KASOL 283147N 0531533E	34.9 NM 160° 340°		10		→	MOCA 8700 FT (KASOL-VEKUP)
→ △ VEKUP 275419N 0532853E	39.2 NM 160° 340°				→	MOCA 7100 FT (VEKUP-SOKEV)
△ SOKEV 272856N 0533749E	26.5 NM 160° 340°	<u>UNL</u> FL 080				
▲ PURNA 265035N 0535110E	40.0 NM 160° 340°	Class A, D				
▲ KISH ISLAND VOR/DME (KIS) 263130.6N 0535744.7E	20.0 NM 179° 359°	<u>UNL</u> FL 50				
▲ ORSAR 260430N 0535730E	27.1 NM	Class A, D			↑	Tehran FIR Emirates FIR/UIR

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Route designator Name of significant points Coordinates	MAG TR DIST	Upper limits Lower limits MNM FLT ALT Airspace classification	Lateral limits (NM)	Direction of cruising levels		Remarks Controlling unit FREQ
				Odd	Even	
1	2	3	4	5		6
A422 RNAV 5 above FL285						
◻ UROMIYEH DVOR/DME(UMH) 374114.0N 0450503.7E	065° 245°	UNL FL 100  Class A, D	10	↓		Tehran Radar FREQ: 132.500 MHZ MOCA 9300 FT (UMH-TBZ)
△ RABEM 374841N 0452949E	21.0 NM 065° 245°					
△ SETNA 375615N 0455522E	21.6 NM 043° 223°					
▲ TABRIZ DVOR/DME (TBZ) 380853.5N 0461246.6E	18.7 NM 038° 218°	UNL FL 220  Class A	20			MOCA 11900 FT (TBZ-PARSU)
▲ MURID 382744N 0463525E	25.9 NM 038° 218°					
▲ DARUN 383339N 0464235E	8.2 NM 038° 219°	UNL FL 220  Class A				
△ DASDA 384135N 0465214E	11.0 NM 039° 219°					
▲ PARSABAD E MOGHAN NDB (PAD) 393442.7N 0475802.8E	73.7 NM 054° 234°					
▲ PARSU 393748N 0480448E	6.1 NM			↑		Tehran FIR Baku FIR

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Route designator Name of significant points Coordinates	MAG TR DIST	Upper limits Lower limits MNM FLT ALT Airspace classification	Lateral limits (NM)	Direction of cruising levels		Remarks Controlling unit FREQ
				Odd	Even	
1	2	3	4	5		6
<b>A453</b> <b>RNAV 5 above FL285</b>						
▲ PIRAN 293407N 0610809E	246° 066°	UNL FL 120	20		↓	Karachi FIC Tehran FIR Tehran Control FREQ: 123.900 MHZ
△ ZAHEDAN VOR/DME (ZDN) 292912.3N 0605405.7E	13.2 NM 239° 059°	Class A, D				MOCA 13000 FT (ZDN-BND)
▲ ULOVI 291948N 0603429E	19.5 NM 239° 059°					
△ DANOV 291444N 0602357E	10.5 NM 239° 059°	UNL FL 150				
▲ PEKES 285929N 0595221E	31.5 NM 239° 058°	Class A, D				
▲ NABOX 281630N 0582601E	87.1 NM 238° 058°					Tehran Radar FREQ: 120.300 MHZ
△ DAVEP 274226N 0572009E	67.4 NM 238° 057°	UNL FL 150				
▲ BANDAR ABBAS DVOR/DME (BND) 271149.4N 0562200.3E	60.0 NM 221° 041°	Class A, C				MOCA 5000 FT (BND-KHM)
▲ PAVON 270206N 0561149E	13.3 NM 222° 041°	Class A, C	10			
▲ GHESHM ISLAND NDB/DME (KHM) 264547.1N 0555427.6E	22.5 NM 270° 089°	UNL FL 100			↑ ↓	Tehran Radar FREQ: 133.400 MHZ Unidirectional westbound from KHM to MIDS I
▲ SERDU 264715N 0545757E	50.5 NM 269° 089°					
▲ ROSUM 264741N 0543637E	19.1 NM 269° 088°	Class A, D				
▲ LAVAN ISLAND DVOR/DME(LVA) 264843.4N 0532121.1E	67.2 NM 263° 082°					
<b>Cont.</b>	60.3 NM					Tehran FIR

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				Odd	Even	
1	2	3	4	5		6
▲ KAPIP 264322N 0521403E  ▲ MIDSJ 264142N 0515442E	262° 082°	UNL FL 100  Class A, D			↓	Tehran Radar FREQ: 133.400 MHZ Unidirectional westbound from KHM to MIDSJ
	17.4 NM					Tehran FIR Bahrain FIR/UIR

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				Odd	Even	
1	2	3	4	5		6
A647 RNAV 5 above FL285						
▲ NAZAR 363929N 0601926E	228° 048°	UNL FL 160	10		↓	Ashgabat FIR Tehran FIR Tehran Radar FREQ: 120.700 MHZ
▲ MASHHAD DVOR/DME(MSD) 361352.2N 0593902.0E	41.4 NM 269° 088°	Class A, C UNL FL 140		↑	↓	Unidirectional westbound from MSD to RAGET
△ ORDOB 361609N 0582504E	60.0 NM 258° 078°	Class A, C				MOCA 8400 FT (ORDOB-VUSUL)
▲ VUSUL 361407N 0580726E	14.4 NM 258° 077					MOCA 8600 FT (VUSUL-SBZ)
▲ SABZEVAR VOR/DME (SBZ) 361010.9N 0573415.0E	27.1 NM 257° 077°					
▲ MITUS 360535N 0565748E	30.0 NM 257° 076°					MOCA 10000 FT (MITUS-ULANO)
▲ ULANO 355228N 0552043E	79.9 NM 256° 075°	UNL FL 140				MOCA 7600 FT (ULANO-ODKAT)
▲ ODKAT 354650N 0544146E	32.2 NM 255° 075°	Class A, D				
▲ MIRUR 354221N 0541139E	24.9 NM 255° 075°					
▲ RAPKI 353454N 0532208E	41.0 NM 256° 076°					
△ RUBIL 353153N 0525925E	18.8 NM 256° 076°					
▲ BUBUX 353023N 0524814E	9.2 NM 256° 076°					
△ MUXOR 352930N 0524147E	5.3 NM 256° 075°	UNL FL 140				
▲ VARAMIN NDB (VR) 352033.6N 0513813.8E	52.6 NM 276° 095°	Class A, C UNL FL 90				Tehran Radar FREQ: 125.700 MHZ
▲ IMAM KHOMAINI DVOR/DME (IKA) 352434.8N 0511042.5E	22.8 NM 275° 094°	Class A, C				
<b>Cont.</b>	13.5 NM					



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				Odd	Even	
1	2	3	4	5		6
<b>▲</b> RUDESHUR VOR/DME (RUS) 352643.7N 0505419.3E  <b>△</b> PAVET 352639N 0495301E  <b>▲</b> LOXAM 350415N 0491601E  <b>▲</b> HAMADAN VOR/DME (HAM) 345200.8N 0483301.0E  <b>△</b> ASRIL 342813N 0474513E  <b>▲</b> KERMANSHAH DVOR/DME (KMS) 342023.0N 0471008.9E  <b>▲</b> RAGET 333048N 0455348E	266° 085°	<u>UNL</u> FL 210	10		↓	Tehran Radar FREQ: 125.700 MHZ  Unidirectional westbound from MSD to RAGET
	50.0 NM	Class A				
	229° 049°	<u>UNL</u> FL 180				
	37.6 NM	Class A, D				
	247° 066°					
	37.3 NM	<u>UNL</u> FL 160				
	235° 054°					
	46.0 NM					
	251° 071°	Class A, D				
	30.0 NM					
228° 047°						
80.5 NM					Tehran FIR Baghdad FIR	

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				Odd	Even	
1	2	3	4	5		6
A788 RNAV 5 above FL285						
▲ SHIRAZ DVOR/DME (SYZ) 293224.6N 0523519.6E	260° 079°	UNL FL 150  Class A, C	10		↓	Tehran Radar FREQ: 126.900 MHZ MOCA 12300 FT (SYZ-IVERA)
▲ RUBAK 292617N 0514218E	46.6 NM 259° 079°					
△ IVERA 292303N 0511540E	23.4 NM 259° 078°	UNL FL 150  Class A, D				MOCA 7400 FT (IVERA-KHG)
▲ KHARK ISLAND DVOR/DME (KHG) 291550.0N 0501900.7E	50.0 NM 243° 063°					MOCA 2600 FT (KHG-PATIR)
▲ PATIR 285606N 0492923E	47.7 NM				↑	Tehran FIR Kuwait FIR

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				Odd	Even	
1	2	3	4	5		6
A791 RNAV 5 above FL285						
▲ IMLOT 251713N 0570800E	091° 271°	UNL FL 130	20	↓		Muscat FIR Tehran FIR Tehran Radar FREQ: 120.300 MHZ MOCA 3500 FT (IMLOT-EGRON)
▲ KATUS 251600N 0574700E	35.3 NM 091° 272°					
▲ PEDEX 251211N 0592131E	85.6 NM 092° 272°	Class A, D				
▲ KINOX 250945N 0600942E	43.7 NM 092° 272°	UNL FL 60				
▲ EGPIC 250811N 0603730E	25.2 NM 092° 273°	Class A, D				
▲ EGRON 250444N 0613245E	50.2 NM				↑	Tehran FIR Karachi FIR

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				Odd	Even	
1	2	3	4	5		6
<b>B121</b> RNAV 5 above FL285						
▲ RASHT DVOR/DME (RST) 371934.8N 0493657.1E	299° 118°	UNL FL 130  Class A, D	20		↓	Tehran Radar FREQ: 125.700 MHZ MOCA 18000 FT (RST-MAGRI)
△ SIVIT 373553N 0490511E	30.0 NM 298° 118°	UNL FL 250  Class A	10			Tehran FIR Yerevan FIR
△ DASDA 384135N 0465214E	123.5 NM 294° 114°					
▲ MAGRI 385408N 0462300E	26.0 NM				↑	

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				Odd	Even	
1	2	3	4	5		6
<b>B411</b> RNAV 5 above FL285						
▲ PAXAT 332056N 0460519E	046° 227°	UNL FL 130	20		↓	Baghdad FIR Tehran FIR Tehran Radar FREQ: 125.700 MHZ MOCA 9600FT (PAXAT-ILM)
▲ ILAM DVOR/DME (ILM) 333442.3N 0462455.4E	21.4 NM 049° 230°	Class A, D UNL FL 200			←	
▲ YASER 335850N 0470456E	41.1NM 058° 239°	Class A, D				
△ IVELI 343459N 0482952E	79.0 NM 068° 249°	UNL FL 160				
△ DAXIL 345135N 0493454E	56.0 NM 072° 253°	Class A, D				
▲ SAVEH NDB/DME (SAV) 350106.8N 0502216.9E	40.0 NM 041° 221°	UNL FL 90 Class A, C				
▲ SOGOL 350829N 0503128E	10.5 NM 085° 265°	UNL FL 300				
▲ OXADU 350837N 0511226E	33.5 NM 089° 270°	Class A, C UNL FL 200				
▲ NAGIN 350619N 0515308E	33.4 NM 073° 253°	Class A UNL FL 200				Tehran Radar FREQ: 120.700 MHZ
▲ DEHNAMAK VOR/DME (DHN) 351515.0N 0524312.0E	41.9 NM 075° 256°	Class A, C UNL FL 160 Class A, D	10		↓	Unidirectional eastbound from DHN to MSD
▲ GIBAB 353213N 0543656E	94.5 NM 076° 256°	UNL FL 130			↑	
▲ ITELO 353534N 0550052E	19.8 NM 076° 257°	Class A, D				MOCA 9400 FT (ITELO-MUSEG)
▲ MUSEG 354656N 0562631E	70.7 NM 077° 257°					MOCA 10800 FT (MUSEG-RABAM)
	52.1 NM					

Cont.

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				Odd	Even	
1	2	3	4	5		6
△ RABAM 355442N 0572955E	077° 258°	UNL FL 130	10	↓		
	29.6 NM					
▲ LOXED 355854N 0580609E	078° 258°	Class A, D				Tehran Radar FREQ: 120.700 MHZ Unidirectional eastbound from DHN to MSD
	16.8NM					
△ RIBUX 360112N 0582647E	073° 254°	UNL FL 130	20			
	60.0 NM					
▲ MASHHAD DVOR/DME(MSD) 361352.2N 0593902.0E	127° 308°	UNL FL 260	10	↓		
	60.0 NM					
△ TANBU 353422N 0603430E	127° 308°	Class A				
	36.6 NM					
▲ PAMTU 351006N 0610806E					↑	Tehran FIR Kabul FIR

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				Odd	Even	
1	2	3	4	5		6
<b>B416</b> RNAV 5 above FL285						
▲ KUVER 280925N 0500600E	114° 294°	<u>UNL</u> FL 50  Class A, D	30	↓		Bahrain FIR/UIR Tehran FIR Tehran Radar FREQ: 126.900 MHZ MOCA 2500FT (KUVER-ORSAR)
▲ IMDAT 274100N 0511100E	64.2 NM 120° 301°	<u>UNL</u> FL 150				Tehran Radar FREQ: 133.400 MHZ
▲ DURSI 271219N 0520144E	53.4 NM 120° 300°					
▲ PEGET 270434N 0521515E	14.3 NM 120° 301°	Class A, D				
△ EGMIT 263340N 0530825E	56.6 NM 121° 301°					
▲ LEVNA 261535N 0533857E	32.8 NM 121° 302°					
▲ ORSAR 260430N 0535730E	20.0 NM				↑	Tehran FIR Emirates FIR/UIR

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				Odd	Even	
1	2	3	4	5		6
<b>B417</b> RNAV 5 above FL285						
△ EGVEL 344258N 0503005E	190° 010°	UNL FL 140  Class A, D	10		↓	Tehran Radar FREQ: 125.700 MHZ Unidirectional westbound from EGVEL to IMKEN
▲ UKITA 330657N 0500041E	99.1 NM 190° 010°	UNL FL 160  Class A, D				Tehran Radar FREQ: 126.900 MHZ MOCA 15500FT (UKITA- IMKEN)
▲ IMKEN 314407N 0493611E	85.4 NM 195° 015°	UNL FL 140 Class A, D			↓	
▲ BANDAR MAHSHAHR DVOR/DME(MAH) 303322.8N 0490858.0E	74.5 NM 182° 002°	UNL FL 200	20			
▲ UKNAR 295538N 0490450E	37.9 NM 182° 002°	Class A, D				
▲ TULAX 293853N 0490301E	16.8 NM				↑	Tehran FIR Kuwait FIR

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				Odd	Even	
1	2	3	4	5		6
<b>B418</b> RNAV 5 above FL285						
▲ KERMAN DVOR/DME (KER) 301658.1N 0565632.3E	359° 179°	UNL FL 160  Class A, D	20	↓	↓	Tehran Control FREQ: 123.900 MHZ MOCA 13700 FT (KER-ALGUV)
▲ ALGUV 304702N 0565734E	30.0 NM 359° 179°					
▲ PURBO 311346N 0565832E	26.7 NM 001° 180°					
▲ DARBAND VOR/DME(DAR) 314659.4N 0565940.4E	33.2 NM 054° 234°	UNL FL150  Class A, D		→	↑ ↓	MOCA 13200 FT (ALGUV-PURBO)
▲ NADSA 321438N 0575002E	50.9 NM 054° 234°					
▲ IMPAT 322451N 0580856E	19.0 NM 055° 235°					
▲ BIRJAND DVOR/DME(BJD) 325820.7N 0591200.5E	62.8 NM 032° 213°	UNL FL 260  Class A, D	10			MOCA 11300 FT (BJD – PAMTU)
▲ PAMTU 351006N 0610806E	163.0NM				↑	

Note: Reporting points on TMA/ CTR boundaries are compulsory within TMA/ CTR limits.

Route designator Name of significant points Coordinates	MAG TR DIST	Upper limits Lower limits MNM FLT ALT Airspace classification	Lateral limits (NM)	Direction of cruising levels		Remarks Controlling unit <i>FREQ</i>
				Odd	Even	
1	2	3	4	5		6
<b>B441</b> <b>RNAV 5 above FL285</b>						
▲ OTRUZ 363108N 0610956E	254° 073°	<u>UNL</u> FL 110	20		↓	Ashgabat FIR Tehran FIR Tehran Radar FREQ: 120.700 MHZ MOCA 8600FT (OTRUZ - MSD)
△ ALMUX 362736N 0605121E	15.4 NM 254° 073°	Class A, D <u>UNL</u> FL 110				
▲ MASHHAD DVOR/DME (MSD) 361352.2N 0593902.0E	60.0 NM 183° 003°	Class A, C			↑ ↓	Traffic routing from MSD to BJD shall assign odd flight levels MOCA 10800FT (MSD-BJD)
△ NOTSO 351416N 0593034E	60.0 NM 183° 003°	<u>UNL</u> FL 140				
△ ASVIS 334633N 0591828E	88.3 NM 183° 003°	Class A, D				
△ BOPEB 331913N 0591448E	27.5 NM 183° 003°					
▣ BIRJAND DVOR/DME(BJD) 325820.7N 0591200.5E	21.0 NM 183° 006°				↑ ↓	Traffic routing from BJD to MSD shall assign even flight levels Tehran Control FREQ: 123.900 MHZ MOCA 12500FT (BJD-NABOX)
▲ KUVAV 313426N 0585747E	84.8 NM 186° 006°	<u>UNL</u> FL 280				
▲ BOPAG 304413N 0584929E	50.7 NM 186° 006°		10			
▲ SILKO 295558N 0584138E	48.7 NM 186° 006°	Class A				
▲ NABOX 281630N 0582601E	100.8 NM				↑	

Note: Reporting points on TMA/ CTR boundaries are compulsory within TMA/ CTR limits.

Route designator Name of significant points Coordinates	MAG TR DIST	Upper limits Lower limits MNM FLT ALT Airspace classification	Lateral limits (NM)	Direction of cruising levels		Remarks Controlling unit FREQ
				Odd	Even	
1	2	3	4	5		6
<b>B451</b> RNAV 5 above FL285						
▲ DEHNAMAK VOR/DME(DHN) 351515.0N 0524312.0E	054° 234°	<u>UNL</u> FL 180	16	↓		Tehran Radar FREQ: 120.700 MHZ
▲ RAPKI 353454N 0532208E	37.4 NM 054° 234°					
▲ ITMEL 360729N 0542812E	62.8 NM 054° 235°					
▲ SHAHROUD VOR/DME(SHR) 362522.3N 0550519.5E	34.9 NM 054° 234°					
▲ LOVEN 363926N 0553355E	27.0 NM 054° 235°					
▲ RIBOB 371705N 0565226E	73.3 NM 055° 235°					
▲ BOJNORD DVOR/DME (BRD) 372942.2N 0571923.8E	25.0 NM 054° 234°					
▲ DEBER 375006N 0580200E	39.5 NM	Class A, D		↑		Tehran FIR Ashgabat FIR

Note: Reporting points on TMA/ CTR boundaries are compulsory within TMA/ CTR limits.

Route designator Name of significant points Coordinates	MAG TR DIST	Upper limits Lower limits MNM FLT ALT Airspace classification	Lateral limits (NM)	Direction of cruising levels		Remarks Controlling unit <i>FREQ</i>
				Odd	Even	
1	2	3	4	5		6
<b>B541</b> <b>RNAV 5 above FL285</b>						
▲ LAR DVOR/DME (LAR) 274030.7N 0542454.7E	<u>198°</u> 017°	UNL FL 100  Class A, D	20	↓		Tehran Radar FREQ: 133.400 MHZ Traffic routing from LAR to KIS shall assign odd flight levels. MOCA 9600 FT (LAR-KIS)
△ NABEX 271157N 0541334E	30.3 NM <u>197°</u> 017°					
△ DELBU 265021N 0540506E	22.9 NM <u>197°</u> 017°					
▲ KISH ISLAND VOR/DME (KIS) 263130.6N 0535744.7E	20.0 NM <u>179°</u> 359°	UNL FL 50				Traffic routing from KIS to LAR shall assign even flight levels. MOCA 2500 FT (KIS-ORSAR)
▲ ORSAR 260430N 0535730E	27.1 NM	Class A, D		↑		Tehran FIR Emirates FIR / UIR

Note: Reporting points on TMA/ CTR boundaries are compulsory within TMA/ CTR limits.

Route designator Name of significant points Coordinates	MAG TR DIST	Upper limits Lower limits MNM FLT ALT Airspace classification	Lateral limits (NM)	Direction of cruising levels		Remarks Controlling unit FREQ
				Odd	Even	
1	2	3	4	5		6
<b>B547</b> <b>RNAV 5 above FL285</b>  <b>▲ PERSIAN GULF</b> DVOR/DME(PRG) 272137.2N 0524552.0E  <b>▲ LAVAN ISLAND</b> DVOR/DME(LVA) 264843.4N 0532121.1E  <b>△ ALNOL</b> 264055N 0533757E  <b>▲ KISH ISLAND</b> VOR/DME (KIS) 263130.6N 0535744.7E  <b>△ IBNUX</b> 261617N 0541208E  <b>▲ SIRRI ISLAND</b> DVOR/DME (SIR) 255452.5N 0543206.3E						
	134° 314°	UNL FL 80	10	↓	Tehran Radar FREQ: 133.400 MHZ MOCA 6300 FT (PRG-LVA)	
	45.6 NM	Class A, D			MOCA 2500 FT (LVA-SIR)	
	116° 296°	UNL FL 60  Class A, D				
	16.8 NM					
	116° 296°					
	20.0 NM	UNL FL 50				
	138° 318°					
	20.0 NM	Class A, D				
	138° 318°					
28.0 NM				↑		

Note: Reporting points on TMA/ CTR boundaries are compulsory within TMA/ CTR limits.

Route designator Name of significant points Coordinates	MAG TR DIST	Upper limits Lower limits MNM FLT ALT Airspace classification	Lateral limits (NM)	Direction of cruising levels		Remarks Controlling unit FREQ					
				Odd	Even						
1	2	3	4	5		6					
<b>G55</b> <b>RNAV 5 above FL285</b>											
▲ ABADAN DVOR/DME(ABD) 302231.1N 0481314.2E	117° 297°	UNL FL 30  Class A, D	20	↓		Tehran Radar FREQ: 126.900 MHZ MOCA 2800 FT (ABD-BUZ)					
△ IBSAL 300631N 0484406E	31.1 NM 118° 298°										
▲ UKNAR 295538N 0490450E	21.0 NM 118° 298°										
△ IBKUG 292601N 0500017E	56.6 NM 118° 299°										
▲ KHARK ISLAND DVOR/DME (KHG) 291550.0N 0501900.7E	19.2 NM 122° 302°										
▲ BUSHEHR DVOR/DME (BUZ) 285704.7N 0504933.5E	32.6 NM 100° 281°						UNL FL 100			MOCA 6200 FT (BUZ-KATUR)	
△ VATOB 285126N 0511636E	24.4 NM 056° 236°						UNL FL 120				
△ KATUR 285639N 0512629E	10.1 NM 056° 236°						UNL FL 130				MOCA 12500 FT (KATUR-SYZ)
▲ TOTNO 291052N 0515336E	27.7 NM 056° 237°						UNL FL 130 Class A, C				
▲ SHIRAZ DVOR/DME(SYZ) 293224.6N 0523519.6E	42.3 NM									↑	

Note: Reporting points on TMA/ CTR boundaries are compulsory within TMA/ CTR limits.

Route designator Name of significant points Coordinates	MAG TR DIST	Upper limits Lower limits MNM FLT ALT Airspace classification	Lateral limits (NM)	Direction of cruising levels		Remarks Controlling unit FREQ
				Odd	Even	
1	2	3	4	5		6
<b>G202</b> RNAV 5 above FL285						
▲ RAGET 333048N 0455348E	078° 258°	UNL FL 130  Class A, D	20	↓		Baghdad FIR
▲ ILAM DVOR/DME(ILM) 333442.3N 0462455.4E	26.2 NM 091° 271°					Tehran FIR Tehran Radar FREQ: 125.700 MHZ MOCA 10900FT (RAGET - KRD)
▲ ALTET 333209N 0470047E	30.0 NM 091° 271°					
▲ MIPON 332801N 0475344E	44.4 NM 091° 271°					
▲ KHORAM ABAD DVOR/DME(KRD) 332603.1N 0481730.7E	20.0 NM 098° 278°	UNL FL 160  Class A, D				Tehran Radar FREQ: 126.900 MHZ MOCA 11000FT (KRD-GENUM)
▲ GENUM 332421N 0482701E	8.1 NM 098° 278°					MOCA 11200FT (GENUM-UKSIS)
▲ UKSIS 332159N 0484002E	11.2 NM 098° 278°					MOCA 15400FT (UKSIS-RASLA)
▲ NOTSA 331745N 0490315E	19.9 NM 098° 278°					
▲ RASLA 331202N 0493409E	26.5 NM 099° 279°	UNL FL 160  Class A, C				MOCA 15000FT (RASLA -ISN)
▲ UKITA 330657N 0500041E	22.8 NM 099° 279°					
△ BOMID 325904N 0504029E	34.3 NM 099° 280°					
▲ IMRAG 325142N 0511643E	31.4 NM 100° 280°	UNL FL 170  Class A, C				Tehran Radar FREQ: 125.700 MHZ
△ ESFAHAN DVOR/DME (ISN) 324449.1N 0514940.8E	28.6 NM 084° 264°					
<i>Cont.</i>	34.0 NM					↑

Route designator Name of significant points Coordinates	MAG TR DIST	Upper limits Lower limits MNM FLT ALT Airspace classification	Lateral limits (NM)	Direction of cruising levels		Remarks Controlling unit <i>FREQ</i>
				Odd	Even	
1	2	3	4	5		6
▲ PARUG 324704N 0522947E	084° 264°		20	↓		
△ LABOT 324839N 0530053E	26.0 NM 083° 264°					Tehran Control FREQ: 123.900 MHZ MOCA 11700 FT (LABOT-ALNER)
▲ ALNER 325124N 0540202E	51.6 NM 084° 264°					MOCA 8700 FT (ALNER-MITET)
▲ MITET 325226N 0542850E	22.6 NM 084° 264°					
▲ NODLA 325330N 0545850E	25.2 NM 085° 265°	UNL FL 170				MOCA 11500 FT (NODLA-KAMAR)
▲ ORSOK 325502N 0554532E	39.2 NM 085° 265°	Class A, D				
▲ IMSOG 325636N 0564649E	51.5 NM 085° 266°					
▲ ROSOS 325815N 0584814E	102.2 NM 086° 267°					
▲ BIRJAND DVOR/DME (BJD) 325820.7N 0591200.5E	20.0 NM 100° 281°					
▲ KAMAR 323900N 0604400E	79.9 NM			↑		Tehran FIR Kabul FIR

Note: Reporting points on TMA/ CTR boundaries are compulsory within TMA/ CTR limits.



Route designator Name of significant points Coordinates	MAG TR DIST	Upper limits Lower limits MNM FLT ALT Airspace classification	Lateral limits (NM)	Direction of cruising levels		Remarks Controlling unit FREQ
				Odd	Even	
1	2	3	4	5		6
<b>G208</b> RNAV 5 above FL285						
▲ ALRAM 374230N 0443736E	089° 269°	<u>UNL</u> FL 160  Class A, D	10	↓	Ankara FIR Tehran FIR Tehran Radar FREQ: 132.500 MHZ  MOCA 12700 FT (ALRAM-UMH)  MOCA 10800 FT (UMH-ZAJ)	
◻ UROMIYEH DVOR/DME (UMH) 374114.0N 0450503.7E	21.8 NM		20			
△ TOTBO 373455N 0452858E	20.0 NM	<u>UNL</u> FL 200  Class A, D	20			
	103° 283°					
▲ OTENA 373133N 0454134E	10.5 NM	<u>UNL</u> FL 200  Class A, D	20			
	103° 284°					
△ GETOB 371227N 0465129E	58.8 NM	<u>FL280</u> FL160	10			
	104° 284°					
▲ AMBEX 370356N 0472143	25.6 NM	<u>UNL</u> FL 160  Class A, D	10			
	104° 285°					
▲ ZANJAN VOR/DME (ZAJ) 364646.8N 0482111.9E	50.5 NM	<u>UNL</u> FL 160  Class A, D	10			
	109° 290°					
△ LOXUB 363640N 0484942E	25.0 NM	<u>UNL</u> FL 180  Class A, D	10			
	109° 291°					
△ PAROT 361128N 0495841E	61.0 NM	<u>FL280</u> FL130  Class A, C	10			
	124° 304°					
▲ GOLNU 355711N 0502052E	22.9 NM	<u>FL280</u> FL210  Class A	10			
	124° 304°					
▲ VEBER 354209N 0504400E	24.0 NM	<u>FL280</u> FL210  Class A	10			
	124° 304°					
▲ IMAM KHOMAINI DVOR/DME (IKA) 352434.8N 0511042.5E	27.9 NM	<u>FL280</u> FL130  Class A, D	10			
	113° 294°					
▲ ELEDI 350136N 0520356E	49.3 NM	<u>FL280</u> FL130  Class A, D	10			
	114° 294°					
△ RADAL 345423N 0522023E	15.3 NM	<u>FL280</u> FL130  Class A, D	10			
	133° 314°					
<b>Cont.</b>	112.7 NM	<u>FL280</u> FL130  Class A, D	10	↑		

Route designator Name of significant points Coordinates	MAG TR DIST	Upper limits Lower limits MNM FLT ALT Airspace classification	Lateral limits (NM)	Direction of cruising levels		Remarks Controlling unit FREQ
				Odd	Even	
1	2	3	4	5		6
▲ ROVAD 333131N 0535240E	120° 301°	FL280 FL130  Class A. D	10	↓		Tehran Control FREQ: 123.900 MHZ
	67.2 NM	FL280 FL110				MOCA 8900 FT (NODLA- DAR)
▲ NODLA 325330N 0545850E	120° 300°	FL280 FL110				
	24.8 NM	Class A. D				
▲ SOGOT 324008N 0552339E	119° 300°					
	75.2 NM					
▲ NIVRA 315905N 0563810E	120° 301°					
	21.9 NM					
▲ DARBAND VOR/DME (DAR) 314659.4N 0565940.4E	120° 301°	FL280 FL110  Class A. D				
	112.9 NM					
▲ BOPAG 304413N 0584929E	122° 302°					
	66.1 NM					
▲ TOVUS 300643N 0595235E	122° 303°					
	35.3 NM					
△ DAPAP 294630N 0602554E	123° 303°		20			
	30.0 NM					
▣ ZAHEDAN VOR/DME (ZDN) 292912.3N 0605405.7E	135° 315°	FL280 FL150  Class A. D		↑		Unidirectional eastbound from ZDN to KEBUD MOCA 9400 FT (ZDN- KEBUD)
	30.0 NM					
△ DANIB 290706N 0611717E	136° 317°	FL280 FL170  Class A. D	10			
	122.6 NM					
▲ KEBUD 273552N 0625024E						Tehran FIR Karachi FIR

Note: Reporting points on TMA/ CTR boundaries are compulsory within TMA/ CTR limits.

Route designator Name of significant points Coordinates	MAG TR DIST	Upper limits Lower limits MNM FLT ALT Airspace classification	Lateral limits (NM)	Direction of cruising levels		Remarks Controlling unit FREQ	
				Odd	Even		
1	2	3	4	5		6	
<b>G452</b> <b>RNAV 5 above FL285</b>							
▲ SHIRAZ DVOR/DME(SYZ) 293224.6N 0523519.6E	075° 258°	<u>UNL</u> FL 190  Class A, C	20	↓	Tehran Radar FREQ: 133.400 MHZ MOCA 13000 FT (SYZ-NALBI)	Tehran Radar FREQ: 133.400 MHZ MOCA 13000 FT (SYZ-NALBI)	
△ NALBI 294650N 0535357E	70.0 NM 075° 256°						
▲ RIKAS 295337N 0543224E	34.0 NM 076° 256°						
▲ DAVUT 300214N 0552301E	44.7 NM 076° 257°	10	MOCA 12600 FT (DAVUT- GETIS)				
△ GETIS 301145N 0562226E	52.4 NM 077° 257°						MOCA 11400 FT (GETIS -KER)
▲ KERMAN DVOR/DME (KER) 301658.1N 0565632.3E	30.0 NM 099° 279°						
△ ALKES 301045N 0573025E	30.0 NM 099° 280°	Class A, D					
▲ ORDAD 300608N 0575454E	21.7 NM 101° 282°						
▲ SILKO 295558N 0584138E	41.7 NM 100° 281°	<u>UNL</u> FL 170  Class A, D					
△ DANUS 293628N 0602030E	88.0 NM 101° 282°						
◻ ZAHEDAN VOR/DME (ZDN) 292912.3N 0605405.7E	30.0 NM 097° 278°	<u>UNL</u> FL 120		↑	MOCA 9900 FT (ZDN-DERBO)	Tehran FIR Karachi FIR	
▲ DERBO 292542N 0611701E	20.3 NM	Class A, D					

Note: Reporting points on TMA/ CTR boundaries are compulsory within TMA/ CTR limits.

Route designator Name of significant points Coordinates	MAG TR DIST	Upper limits Lower limits MNM FLT ALT Airspace classification	Lateral limits (NM)	Direction of cruising levels		Remarks Controlling unit <i>FREQ</i>
				Odd	Even	
1	2	3	4	5		6
<b>G482</b> <b>RNAV 5 above FL285</b>						
▲ TABRIZ DVOR/DME(TBZ) 380853.5N 0461246.6E	006° 185°	<u>UNL</u> FL 200	10	↓		Tehran Radar FREQ: 132.500 MHZ MOCA 12000 FT (TBZ-MAGRI)
△ PAPOK 384439N 0462105E	36.3 NM 004° 184°	Class A, D				
▲ MAGRI 385408N 0462300E	9.6 NM			↑		Tehran FIR Yerevan FIR

Note: Reporting points on TMA/ CTR boundaries are compulsory within TMA/ CTR limits.

Route designator Name of significant points Coordinates	MAG TR DIST	Upper limits Lower limits MNM FLT ALT Airspace classification	Lateral limits (NM)	Direction of cruising levels		Remarks Controlling unit FREQ	
				Odd	Even		
1	2	3	4	5		6	
<b>G663</b> <b>RNAV 5 above FL285</b>							
▲ MASHHAD DVOR/DME (MSD) 361352.2N 0593902.0E	219° 038°	<u>UNL</u> FL 130	20		↓	Tehran Radar FREQ: 120.700 MHZ MOCA 12000 (MSD- TBS)	
△ RAMIL 352909N 0584941E	60.0 NM	Class A, C					
	218° 037°	<u>UNL</u> FL 130					
▲ TASLU 342531N 0574131E	84.7 NM	Class A, D					
	217° 038°	<u>UNL</u> FL 130					
▲ PATEN 340825N 0572334E	22.6 NM	Class A, D					
	219° 038°						
▲ TABAS VOR/DME (TBS) 334021.2N 0565330.9E	37.5 NM	Class A, D				Tehran Control FREQ: 123.900 MHZ MOCA 9200 (TBS-ORSOK)	
	228° 048°						
▲ RIBEN 332902N 0563620E	18.3 NM						
	228° 048°						
▲ ALMUD 331758N 0561941E	17.8 NM	Class A, D					
	228° 048°						
▲ ORSOK 325502N 0554532E	36.7 NM		<u>UNL</u> FL 150				MOCA 12200 (ORSOK-YZD)
	228° 048°						
▲ SOGOT 324008N 0552339E	23.7 NM	Class A, D					
	228° 047°						
▲ DANEM 322854N 0550717E	17.8 NM	Class A, D					
	227° 047°						
△ BOMIT 321257N 0544414E	25.2 NM	Class A, D					
	227° 047°						MOCA 12300 (BOMIT-YZD)
▲ YAZD VOR/DME (YZD) 315351.6N 0541657.7E	30.0 NM	Class A, D					
	209° 029°		<u>UNL</u> FL 170				MOCA 15300 (YZD - BONEG)
△ BONEG 312826N 0535815E	30.0 NM	Class A, D					
	209° 029°						
<b>Cont.</b>	38.2 NM				↑		

Route designator Name of significant points Coordinates	MAG TR DIST	Upper limits Lower limits MNM FLT ALT Airspace classification	Lateral limits (NM)	Direction of cruising levels		Remarks Controlling unit <i>FREQ</i>			
				Odd	Even				
1	2	3	4	5		6			
▲ DEDAK 305600N 0533439E  △ KINOT 303207N 0531731E  ▲ SHIRAZ DVOR/DME(SYZ) 293224.6N 0523519.6E  ▲ DASDO 285401N 0520551E  △ DEPSU 283409N 0515047E  ▲ IMDAT 274100N 0511100E  ▲ ALSER 271047N 0504932E	209° 028°	UNL FL 170  Class A, D	20	↓		Tehran Radar FREQ: 133.400 MHZ MOCA 13000 FT (DEDAK-SYZ)			
	28.1 NM	UNL FL 170  Class A, C					MOCA 11700FT (SYZ-DASDO)		
	209° 029°	UNL FL 130  Class A, C							
	70.0 NM	UNL FL 130  Class A, C					↑	↓	Unidirectional westbound from DASDO to ALSER MOCA 7900 FT (DASDO-IMDAT)
	211° 031°	UNL FL 130  Class A, C							
	46.2 NM	UNL FL 130  Class A, D					MOCA 2500 FT (IMDAT-ALSER)		
	211° 031°	UNL FL 50  Class A, D							
	23.8 NM	UNL FL 50  Class A, D					Tehran FIR Bahrain FIR / UIR		
	210° 030°	UNL FL 50  Class A, D							
	63.8 NM	UNL FL 50  Class A, D					Tehran FIR Bahrain FIR / UIR		
210° 030°	UNL FL 50  Class A, D								
35.7 NM	UNL FL 50  Class A, D	Tehran FIR Bahrain FIR / UIR							
210° 030°	UNL FL 50  Class A, D								

Note: Reporting points on TMA/ CTR boundaries are compulsory within TMA/ CTR limits.

Route designator Name of significant points Coordinates	MAG TR DIST	Upper limits Lower limits MNM FLT ALT Airspace classification	Lateral limits (NM)	Direction of cruising levels		Remarks Controlling unit <i>FREQ</i>
				Odd	Even	
1	2	3	4	5		6
<b>G665</b> <b>RNAV 5 above FL285</b>						
▲ ABADAN DVOR/DME(ABD) 302231.1N 0481314.2E	097° 278°	UNL FL 50	20	↓		Tehran Radar FREQ: 126.900 MHZ MOCA 2500 FT (ABD-VATAN)
△ DEMPO 301717N 0484329E	26.6 NM 098° 279°	Class A, D				
▲ VATAN 300800N 0493533E	46.0 NM 099° 280°	UNL FL 170 Class A, D				MOCA 11900 FT (VATAN-SYZ)
△ BOTAS 295241N 0505515E	70.7 NM 100° 280°					
△ KAVIL 294820N 0511704E	19.4 NM 100° 280°	UNL FL 170 Class A, C				
▲ EGSIR 294615N 0512735E	9.5 NM 100° 280°					MOCA 12000FT (EGSIR-ITSIM)
△ ITSIM 294018N 0515708E	26.4 NM 100° 280°					MOCA 12000FT (ITSIM- SYZ)
▲ SHIRAZ DVOR/DME(SYZ) 293224.6N 0523519.6E	34.2 NM 100° 281°	UNL FL 160 Class A, C				Tehran Radar FREQ: 133.400 MHZ MOCA 12000FT (SYZ-NANTO)
△ VAVAS 291650N 0535340E	70.0 NM 100° 281°					
▲ BOTUX 285828N 0552205E	79.4 NM 101° 282°					Tehran Radar FREQ: 120.300 MHZ
▲ SOLAK 285156N 0555215E	27.2 NM 102° 282°	UNL FL 160				
△ ASMET 284758N 0561019E	16.3 NM 102° 282°	Class A, D				
▲ NANTO 284140N 0563831E	25.6 NM 102° 282°					MOCA 15000 FT (NANTO-LOXOL)
▲ RIGUT 283136N 0572226E	39.9 NM 102° 283°					
Cont.	58.0 NM				↑	

Route designator Name of significant points Coordinates	MAG TR DIST	Upper limits Lower limits MNM FLT ALT Airspace classification	Lateral limits (NM)	Direction of cruising levels		Remarks Controlling unit FREQ
				Odd	Even	
1	2	3	4	5		6
▲ NABOX 281630N 0582601E  ▲ LOXOL 274556N 0604538E  ▲ ASVIB 265724N 0631812E	102° 283°	→ UNL FL 160  → Class A, D	20	↓		Tehran Control FREQ: 123.900 MHZ
	127.1 NM	UNL FL 200				MOCA 13000 FT (LOXOL-ASVIB)
	109° 290°	Class A,D				Tehran FIR Karachi FIR
	143.9 NM				↑	

Note1: Between SYZ DVOR/DME and BOTUX usable only from Sunset to Sunrise (HN)

Note2: Reporting points on TMA/ CTR boundaries are compulsory within TMA/ CTR limits



Route designator Name of significant points Coordinates	MAG TR DIST	Upper limits Lower limits MNM FLT ALT Airspace classification	Lateral limits (NM)	Direction of cruising levels		Remarks Controlling unit <i>FREQ</i>	
				Odd	Even		
1	2	3	4	5		6	
<b>G666</b> <b>RNAV 5 above FL285</b>  <b>▲ SHIRAZ</b> DVOR/DME(SYZ) 293224.6N 0523519.6E  <b>△ KUPTO</b> 282418N 0525432E  <b>▲ LAMERD</b> VOR/DME (LAM) 272222.2N 0531102.3E  <b>▲ LAVAN ISLAND</b> DVOR/DME(LVA) 264843.4N 0532121.1E  <b>▲ DATUT</b> 263332N 0533538E  <b>▲ ELIRA</b> 262105N 0534502E  <b>▲ ORSAR</b> 260430N 0535730E							
	164° 344°	UNL FL 130	20	↓		Tehran Radar FREQ: 133.400 MHZ MOCA 12400 FT (SYZ-LAM)	
	70.0 NM	Class A, C					
	164° 345°	UNL FL 130					
	63.8 NM	Class A, D					
	163° 343°	UNL FL 80				MOCA 6700 FT (LAM-LVA)	
	34.9 NM				↑		
	138° 318°				↓		Unidirectional eastbound from LVA to Tehran FIR- Emirates FIR/UIR MOCA 2800 FT (LVA-ORSAR)
	19.8 NM						
	144° 324°	Class A, D					
15.0 NM							
144° 324°							
20.0 NM						Tehran FIR Emirates FIR/UIR	

Note: Reporting points on TMA/ CTR boundaries are compulsory within TMA/ CTR limits.

Route designator Name of significant points Coordinates	MAG TR DIST	Upper limits Lower limits MNM FLT ALT Airspace classification	Lateral limits (NM)	Direction of cruising levels		Remarks Controlling unit <i>FREQ</i>
				Odd	Even	
1	2	3	4	5		6
<b>G667</b> <b>RNAV 5 above FL285</b>						
▲ PUTMA 374800N 0515736E	194° 014°	<u>UNL</u> FL 150	10		↓	Turkmenbashi FIR Tehran FIR Tehran Radar FREQ: 132.500 MHZ
▲ GIVSI 371031N 0514109E	39.7 NM 194° 014°	Class A, D				MOCA 3000 FT (PUTMA-GIVSI) MOCA 8500 FT (GIVSI-NSH)
▲ NOSHAHR DVOR/DME (NSH) 363946.1N 0512751.4E	32.5 NM 184° 004°					<u>UNL</u> FL 170
▲ DANEB 362001N 0512408E	20.0 NM 184° 004°	Class A, D				<b>Note:</b> Closed for over flight BTN NSH and TRN DVOR MOCA 16100 FT (NSH-NAGMO)
▲ NAGMO 360214N 0512055E	18.0 NM 185° 005°					
▲ TEHRAN DVOR/DME (TRN) 354149.1N 0511701.6E	20.7 NM 227° 047°	Class A, C				Tehran Radar FREQ: 125.700 MHZ MOCA 10000 FT (TRN-RUS)
▲ RUDESHUR VOR/DME (RUS) 352643.7N 0505419.3E	23.9 NM 221° 041°	Class A, C				MOCA 7600 FT (RUS-SAV)
▲ SOGOL 350829N 0503128E	26.1 NM 221° 041°	Class A, C				
▲ SAVEH NDB/DME (SAV) 350106.8N 0502216.9E	10.5NM 201° 021°					
▲ ARAK VOR/DME (ARK) 340813.9N 0495113.8E	58.7 NM 190° 010°	Class A, D			↑	Tehran Radar FREQ: 125.700 MHZ Unidirectional eastbound from AWZ to SAV MOCA 13900 FT (SAV- RASLA)
▲ RASLA 331202N 0493409E	58.0 NM 190° 010°	<u>UNL</u> FL 150				Tehran Radar FREQ: 126.900 MHZ Unidirectional eastbound from AWZ to SAV MOCA 14600 FT (RASLA- ALTAX)
▲ ALTAX 323014N 0492142E	43.1 NM 190° 010°	Class A, D				MOCA 10900 FT (ALTAX-EGVAX)
▲ NAGRO 321015N 0491549E	20.6 NM 190° 010°	Class A, D				
<b>Cont.</b>	12.0 NM					

Route designator Name of significant points Coordinates	MAG TR DIST	Upper limits Lower limits MNM FLT ALT Airspace classification	Lateral limits (NM)	Direction of cruising levels		Remarks Controlling unit FREQ
				Odd	Even	
1	2	3	4	5		6
△ RABIM 315839N 0491225E	190° 010°	UNL FL 150  Class A, D				
△ EGVAX 314337N 0490802E	15.5 NM 216° 036°		10	↑	↓	MOCA 4700 FT (EGVAX -AWZ)
▲ AHWAZ DVOR/DME(AWZ) 312015.3N 0484552.5E	30.0 NM 203° 023°	UNL FL 50				Tehran Radar FREQ: 126.900 MHZ MOCA 2600 FT (AWZ-ABD)
△ GABSU 305319N 0483035E	30.0 NM 202° 022°	Class A, D				
▲ ABADAN DVOR/DME(ABD) 302231.1N 0481314.2E	34.2 NM			↑		

Note: Reporting points on TMA/ CTR boundaries are compulsory within TMA/ CTR limits.

Route designator Name of significant points Coordinates	MAG TR DIST	Upper limits Lower limits MNM FLT ALT Airspace classification	Lateral limits (NM)	Direction of cruising levels		Remarks Controlling unit FREQ
				Odd	Even	
1	2	3	4	5		6
<b>G669</b> RNAV 5 above FL285						
▲ NANPI 290457N 0493157E	072° 252°	UNL FL 50  Class A, D	10	↓		Kuwait FIR Tehran FIR Tehran Radar FREQ: 126.900 MHZ MOCA 2600 FT (NANPI-KHG)
△ VELUT 291001N 0495341E	19.7 NM 072° 252°					
▲ KHARK ISLAND DVOR/DME (KHG) 291550.0N 0501900.7E	22.9 NM 078° 259°					
△ IVERA 292303N 0511540E	50.0 NM 079° 259°	UNL FL 150				
▲ RUBAK 292617N 0514218E	23.4 NM 079° 260°	Class A, D				
▲ SHIRAZ DVOR/DME(SYZ) 293224.6N 0523519.6E	46.6 NM					

Note: Reporting points on TMA/ CTR boundaries are compulsory within TMA/ CTR limits.

Route designator Name of significant points Coordinates	MAG TR DIST	Upper limits Lower limits MNM FLT ALT Airspace classification	Lateral limits (NM)	Direction of cruising levels		Remarks Controlling unit FREQ
				Odd	Even	
1	2	3	4	5		6
<b>G670</b> RNAV 5 above FL285						
▲ RASHT DVOR/DME (RST) 371934.8N 0493657.1E	003° 183°	<u>UNL</u> FL 30	20		↓	Tehran Radar FREQ: 132.500 MHZ  Traffic routing from RST to LALDA shall be assigned even flight levels. MOCA 2600 FT (RST-LALDA)
△ MODIL 374925N 0494117E	30.0 NM 003° 182°	Class A, D				Traffic routing from LALDA to RST shall be assigned odd flight levels. Tehran FIR
▲ LALDA 381615N 0494511E	27.0 NM				↑	Baku FIR

Note: Reporting points on TMA/ CTR boundaries are compulsory within TMA/ CTR limits.

Route designator Name of significant points Coordinates	MAG TR DIST	Upper limits Lower limits MNM FLT ALT Airspace classification	Lateral limits (NM)	Direction of cruising levels		Remarks Controlling unit FREQ
				Odd	Even	
1	2	3	4	5		6
<b>G775</b> <b>RNAV 5 above FL285</b>						
▲ ORPAB 374200N 0583430E	146° 326°	UNL FL 160	20	↓		Ashgabat FIR Tehran FIR Tehran Radar FREQ: 120.700 MHZ MOCA 11800 FT (ORPAB - MSD)
△ MIDMO 370543N 0590124E	42.1 NM	Class A, D				
▲ MASHHAD DVOR/DME (MSD) 361352.2N 0593902.0E	146° 327°	UNL FL 160			↑	
▲ MASHHAD DVOR/DME (MSD) 361352.2N 0593902.0E	60.0 NM	Class A, C		↓		Tehran Radar FREQ: 120.700 MHZ Traffic routing from MSD to BJD shall be assigned odd flight levels
△ NOTSO 351416N 0593034E	60.0 NM	Class A, C				MOCA 10800 FT (MSD-BJD)
▲ ASVIS 334633N 0591828E	183° 003°	UNL FL 140				
△ ASVIS 334633N 0591828E	88.3 NM	UNL FL 140				
▲ BOPEB 331913N 0591448E	183° 003°	Class A, D				
△ BOPEB 331913N 0591448E	27.5 NM	Class A, D				
▲ BIRJAND DVOR/DME (BJD) 325820.7N 0591200.5E	183° 003°	Class A, D			↑	Traffic routing from BJD to MSD shall be assigned even flight levels
▲ BIRJAND DVOR/DME (BJD) 325820.7N 0591200.5E	21.0 NM	Class A, D		↓		Tehran Control FREQ: 123.900 MHZ MOCA 11200 FT (BJD-ZDN)
△ ODBES 323050N 0592556E	154° 334°	UNL FL 130				
△ ODBES 323050N 0592556E	29.9 NM	UNL FL 130				
▲ ELOKA 312325N 0595922E	154° 335°	Class A, D				
▲ ELOKA 312325N 0595922E	73.1 NM	Class A, D				
△ LUDAX 295658N 0604101E	155° 336°	Class A, D				
△ LUDAX 295658N 0604101E	93.6 NM	Class A, D				
▲ ZAHEDAN VOR/DME (ZDN) 292912.3N 0605405.7E	155° 335°	Class A, D			↑	
▲ ZAHEDAN VOR/DME (ZDN) 292912.3N 0605405.7E	30.0 NM	Class A, D				

Note: Reporting points on TMA/ CTR boundaries are compulsory within TMA/ CTR limits.

Route designator Name of significant points Coordinates	MAG TR DIST	Upper limits Lower limits MNM FLT ALT Airspace classification	Lateral limits (NM)	Direction of cruising levels		Remarks Controlling unit FREQ
				Odd	Even	
1	2	3	4	5		6
<b>G781</b> RNAV 5 above FL285						
▲ BONAM 380300N 0441800E	110° 290°	<u>UNL</u> FL 150	10	↓	Ankara FIR Tehran FIR Tehran Radar FREQ: 132.500 MHZ MOCA 11300 FT (BONAM-UMH)	
△ TUDNU 375301N 0444447E	23.4 NM 121° 301°	Class A, D				
◻ UROMIYEH DVOR/DME(UMH) 374114.0N 0450503.7E	20.0 NM 118° 299°					
△ TUBAR 373018N 0452609E	20.0 NM 119° 299°	<u>UNL</u> FL 130				
△ ROVON 371601N 0455322E	25.9 NM 099° 280°	Class A, D				
▲ ZANJAN VOR/DME (ZAJ) 364646.8N 0482111.9E	121.6 NM 088° 269°		<u>UNL</u> FL 260			
▲ LABKA 364142N 0504342E	114.3 NM 088° 269°	Class A				
▲ NOSHAHR DVOR/DME (NSH) 363946.1N 0512751.4E	35.5 NM					↑

Note: Reporting points on TMA/ CTR boundaries are compulsory within TMA/ CTR limits.

Route designator Name of significant points Coordinates	MAG TR DIST	Upper limits Lower limits MNM FLT ALT Airspace classification	Lateral limits (NM)	Direction of cruising levels		Remarks Controlling unit FREQ
				Odd	Even	
1	2	3	4	5		6
<b>G792</b> <b>RNAV 5 above FL285</b>						
▲ PAMTU 351006N 0610806E	308° 127°	UNL FL 260	10		↓	Kabul FIR Tehran FIR Tehran Radar FREQ: 120.700 MHZ MOCA 9400 FT (PAMTU -MSD)
△ TANBU 353422N 0603430E	36.6 NM 308° 127°					
▲ MASHHAD DVOR/DME (MSD) 361352.2N 0593902.0E	60.0 NM 300° 120°	UNL FL 130	20			MOCA 11400 FT (MSD - BRD)
△ BOTEK 364755N 0583734E	60.0 NM 300° 119°	Class A, C UNL FL 130				
▲ SILPO 370806N 0580006E	36.2 NM 299° 119°	Class A, D				
▲ BOJNORD DVOR/DME (BRD) 372942.2N 0571923.8E	39.0 NM 303° 123°					
▲ GIRUN 380612N 0562018E	59.4 NM	Class A, D			↑	Tehran FIR Ashgabat FIR

Note: Reporting points on TMA/ CTR boundaries are compulsory within TMA/ CTR limits.



Route designator Name of significant points Coordinates	MAG TR DIST	Upper limits Lower limits MNM FLT ALT Airspace classification	Lateral limits (NM)	Direction of cruising levels		Remarks Controlling unit FREQ
				Odd	Even	
1	2	3	4	5		6
<b>J3</b> <b>  RNAV 5 above FL285</b>  <b>▲</b> ARAK VOR/DME (ARK) 340813.9N 0495113.8E  <b>△</b> ENASU 350816N 0500133E						Unidirectional eastbound airway
	004° 184°	<u>UNL</u> FL 200  Class A,D	10	↓		Tehran Radar FREQ: 125.700 MHZ
	60.6NM					

Note: Reporting points on TMA/ CTR boundaries are compulsory within TMA/ CTR limits.

Route designator Name of significant points Coordinates	MAG TR DIST	Upper limits Lower limits MNM FLT ALT Airspace classification	Lateral limits (NM)	Direction of cruising levels		Remarks Controlling unit <i>FREQ</i>
				Odd	Even	
1	2	3	4	5		6
<b>J6</b> <b>RNAV 5 above FL285</b>  ▲ SAVEH NDB/DME (SAV) 350106.8N 0502216.9E  △ DEKBA 342145N 0500832E						
	192° 012°	FL200 FL170	10		↓	Tehran Radar FREQ: 125.700 MHZ
	41.0NM	Class C, D			↑	

Note: Reporting points on TMA/ CTR boundaries are compulsory within TMA/ CTR limits.

Route designator Name of significant points Coordinates	MAG TR DIST	Upper limits Lower limits MNM FLT ALT Airspace classification	Lateral limits (NM)	Direction of cruising levels		Remarks Controlling unit FREQ
				Odd	Even	
1	2	3	4	5		6
<b>J7</b> <b>RNAV 5 above FL285</b>						
△ PAROT 361128N 0495841E	111° 292°	<u>UNL</u> FL 160  Class A, C	10	↓		Tehran Radar FREQ: 132.500 MHZ
▲ TEHRAN DVOR/DME (TRN) 354149.1N 0511701.6E	70.0 NM	<u>UNL</u> FL 130  Class A, C				Tehran Radar FREQ: 120.700 MHZ
△ RADAL 345423N 0522023E	128° 309°  70.0 NM					↑

Note: Reporting points on TMA/ CTR boundaries are compulsory within TMA/ CTR limits.

Route designator Name of significant points Coordinates	MAG TR DIST	Upper limits Lower limits MNM FLT ALT Airspace classification	Lateral limits (NM)	Direction of cruising levels		Remarks Controlling unit FREQ
				Odd	Even	
1	2	3	4	5		6
<b>R462</b> <b>RNAV 5 above FL285</b>						
▲ DENDA 244224N 0605451E	065° 245°	UNL FL 60	20	↓		Muscat FIR Tehran FIR Tehran Radar FREQ: 120.300 MHZ MOCA 3500 FT (DENDA-METBI)
▲ METBI 245556N 0612816E	33.3 NM	Class A, D		↑		Tehran FIR Karachi FIR

Note: Reporting points on TMA/ CTR boundaries are compulsory within TMA/ CTR limits.

Route designator Name of significant points Coordinates	MAG TR DIST	Upper limits Lower limits MNM FLT ALT Airspace classification	Lateral limits (NM)	Direction of cruising levels		Remarks Controlling unit FREQ
				Odd	Even	
1	2	3	4	5		6
<b>R654</b> <b>RNAV 5 above FL285</b>						
▲ MAGRI 385408N 0462300E	138° 319°	UNL FL 280	10	↓		Yerevan FIR
▲ DARUN 383339N 0464235E	25.6 NM					Tehran FIR Tehran Radar FREQ 132.500 MHZ MOCA 11300 FT (MAGRI-GODNA)
▲ GODNA 382033N 0465457E	138° 318°					MOCA 13000 FT (GODNA-ZAJ)
▲ BUDED 375313N 0472032E	16.1 NM					
▲ DAMOS 372619N 0474521E	34.0 NM					Class A
▲ ZANJAN VOR/DME (ZAJ) 364646.8N 0482111.9E	138° 318°					
▲ ZANJAN VOR/DME (ZAJ) 364646.8N 0482111.9E	33.3 NM	UNL FL 130	20			Tehran Radar FREQ 132.500 MHZ  MOCA 11300 FT (ZAJ-SAV)
▲ ZANJAN VOR/DME (ZAJ) 364646.8N 0482111.9E	48.8 NM					
△ TULGU 362836N 0484235E	132° 312°	Class A, D				Tehran Radar FREQ: 125.700 MHZ MOCA 13600 FT (SAV- PEKAM)
▲ SAVEH NDB/DME (SAV) 350106.8N 0502216.9E	25.0 NM					
△ EGVEL 344258N 0503005E	132° 314°	Class A, D				
△ PEKAM 332904N 0510118E	119.2 NM					
△ PEKAM 332904N 0510118E	157° 337°	UNL FL 160	10			MOCA 11400 FT (PEKAM-ISN)
△ ESFAHAN DVOR/DME(ISN) 324449.1N 0514940.8E	19.2 NM					
△ ESFAHAN DVOR/DME(ISN) 324449.1N 0514940.8E	78.3 NM	UNL FL 160	20			<b>Note:</b> Closed for over flight from ISN to YZD MOCA 11300 FT (ISN-TOVTA)
△ LADAL 322226N 0525543E	60.0 NM					
△ LADAL 322226N 0525543E	109° 289°	UNL FL 160				Tehran Control FREQ: 123.900 MHZ
△ TOVTA 320528N 0534421E	60.0 NM					
△ TOVTA 320528N 0534421E	109° 290°	UNL FL 160				MOCA 11600 FT (TOVTA-YZD)
▲ YAZD VOR/DME(YZD) 315351.6N 0541657.7E	44.5 NM					
▲ YAZD VOR/DME(YZD) 315351.6N 0541657.7E	109° 289°	Class A, D				MOCA 11300 FT (YZD-BOMUN)
<b>Cont.</b>	30.0 NM					
						↑

Route designator Name of significant points Coordinates	MAG TR DIST	Upper limits Lower limits MNM FLT ALT Airspace classification	Lateral limits (NM)	Direction of cruising levels		Remarks Controlling unit <i>FREQ</i>
				Odd	Even	
1	2	3	4	5		6
△ BOMUN 313648N 0544555E	122° 302°	UNL FL 160	20	↓		MOCA 11100 FT (BOMUN-UKVEV)
	53.7 NM	Class A, D				MOCA 12500 FT (UKVEV-ALMOB)
△ UKVEV 310557N 0553718E	122° 303°	UNL FL 180				MOCA 11600 FT (ALMOB-KER)
	54.0 NM					Class A, D
△ ALMOB 303434N 0562824E	123° 303°	UNL FL 180				Tehran Control FREQ: 123.900 MHZ
	30.0 NM					Class A, D
▲ KERMAN DVOR/DME (KER) 301658.1N 0565632.3E	144° 324°	UNL FL 130				Tehran Radar FREQ: 120.300 MHZ
	30.0 NM					Class A, D
△ ALKUL 295152N 0571535E	144° 325°	UNL FL 130				
	62.6 NM					Class A, D
▲ PEDUK 285920N 0575447E	145° 325°	UNL FL 130				
	50.9 NM					Class A, D
▲ NABOX 281630N 0582601E	146° 326°	UNL FL 130				
	98.2 NM					Class A, D
▲ LADPA 265331N 0592514E	146° 326°	UNL FL 130				
	15.7 NM					Class A, D
△ DUGLI 264014N 0593431E	146° 327°	UNL FL 160				
	18.1 NM					Class A, D
▲ NAGES 262451N 0594514E	147° 327°	UNL FL 160				
	38.4 NM					Class A, D
△ EGPER 255210N 0600737E	147° 328°	UNL FL 160				
	30.0 NM					Class A, D
▲ CHAH BAHAR DVOR/DME (CBH) 252641.9N 0602451.7E	147° 327°	UNL FL 160				MOCA 4000 FT (CBH-DENDA)
	21.8 NM					Class A, D
▲ EGPIC 250811N 0603730E	147° 328°	UNL FL 160				
	30.2 NM					Class A, D
▲ DENDA 244224N 0605451E						Tehran FIR
						Muscat FIR

Note: Reporting points on TMA/ CTR boundaries are compulsory within TMA/ CTR limits.

Route designator Name of significant points Coordinates	MAG TR DIST	Upper limits Lower limits MNM FLT ALT Airspace classification	Lateral limits (NM)	Direction of cruising levels		Remarks Controlling unit FREQ
				Odd	Even	
1	2	3	4	5		6
<b>R659</b> <b>RNAV 5 above FL285</b>						
▲ TEHRAN DVOR/DME(TRN) 354149.1N 0511701.6E	151° 331°	UNL FL 130  Class A, C	10			Tehran Radar FREQ: 125.700 MHZ MOCA 12000 FT (TRN- SOLIR)
▲ SOLIR 345648N 0514134E	49.2 NM 151° 331°					MOCA 6400 FT (SOLIR- BOXAM)
△ BOXAM 343749N 0515147E	20.7 NM 153° 333°	UNL FL 200  Class A, D				MOCA 9800 FT (BOXAM-DAPOG)
▲ VAVIN 341709N 0520247E	22.6 NM 153° 333°					Unidirectional (northbound) from ISN to TRN and TFC routing from ISN to TRN shall assign even flight level.
△ DAPOG 333744N 0522331E	43.0 NM 205° 025°	UNL FL 160  Class A, D	20	↓	↑	MOCA 12200 FT (DAPOG-ISN)
▣ ESFAHAN DVOR/DME(ISN) 324449.1N 0514940.8E	60.0 NM 165° 346°	UNL FL 150  Class A, C				Tehran Radar FREQ: 126.900 MHZ MOCA 13400 FT (ISN-KAVOT)
▲ GIDEN 320039N 0520026E	45.0 NM 165° 346°	UNL FL 150  Class A, D				
△ GESIP 314556N 0520359E	15.0 NM 166° 346°					MOCA 13200 FT (KAVOT-SYZ)
△ KAVOT 304111N 0521922E	65.9 NM 166° 346°	UNL FL 130  Class A, C				
▲ SHIRAZ DVOR/DME(SYZ) 293224.6N 0523519.6E	70.0 NM 189° 009°					Tehran Radar FREQ: 133.400 MHZ MOCA 11600 FT (SYZ-MIDSI)
▲ LAGSA 283306N 0522056E	60.6 NM 189° 009°	UNL FL 130  Class A, D				
△ KATAG 282346N 0521841E	9.4 NM 190° 010°					Unidirectional westbound from KATAG to MIDSI
▲ DURSI 271219N 0520144E	72.8 NM 189° 009°	UNL FL 130  Class A, D				
▲ KAVAM 265737N 0515818E	15.0 NM 189° 009°					Tehran FIR Bahrain FIR / UIR
▲ MIDSI 264142N 0515442E	16.2 NM					

Note: Reporting points on TMA/CTR boundaries are compulsory within TMA/CTR limits.

Route designator Name of significant points Coordinates	MAG TR DIST	Upper limits Lower limits MNM FLT ALT Airspace classification	Lateral limits (NM)	Direction of cruising levels		Remarks Controlling unit FREQ
				Odd	Even	
1	2	3	4	5		6
<b>R660</b>   RNAV 5 above FL285						
▲ TEHRAN DVOR/DME(TRN) 354149.1N 0511701.6E	317° 136°	UNL FL 170	20		↓	Tehran Radar FREQ: 132.500 MHZ  MOCA 15600 FT (TRN-RST)
△ NABAX 360955N 0504816E	36.5 NM	Class A, C				
△ DEDLA 365620N 0500044E	317° 136°	UNL FL 170				
▲ RASHT DVOR/DME (RST) 371934.8N 0493657.1E	60.1 NM	Class A, D				
▲ RASHT DVOR/DME (RST) 371934.8N 0493657.1E	317° 137°	Class A, D				
▲ RASHT DVOR/DME (RST) 371934.8N 0493657.1E	30.0 NM					MOCA 13000 FT (RST-DASIS)
▲ RASHT DVOR/DME (RST) 371934.8N 0493657.1E	283° 102°					
△ RALGO 372840N 0490112E	30.0 NM	UNL FL 160				
▲ BUDED 375313N 0472032E	282° 101°					
▲ BUDED 375313N 0472032E	83.6 NM	FL Class A, D				
▲ BUDED 375313N 0472032E	281° 101°					
△ RAKED 375621N 0470712E	11.0 NM					
▲ TABRIZ DVOR/DME (TBZ) 380853.5N 0461246.6E	281° 101°					
▲ TABRIZ DVOR/DME (TBZ) 380853.5N 0461246.6E	45.0 NM					
▲ VUVAG 382529N 0452926E	291° 110°					
▲ VUVAG 382529N 0452926E	37.9 NM	UNL FL 240				
▲ VUVAG 382529N 0452926E	291° 110°					
△ BORES 382829N 0452137E	6.8 NM	Class A				
▲ BORES 382829N 0452137E	291° 110°					
▲ DASIS 385435N 0441230E	60.0 NM				↑	Tehran FIR Ankara FIR

Note: Reporting points on TMA/ CTR boundaries are compulsory within TMA/ CTR limits.



Route designator Name of significant points Coordinates	MAG TR DIST	Upper limits Lower limits MNM FLT ALT Airspace classification	Lateral limits (NM)	Direction of cruising levels		Remarks Controlling unit <i>FREQ</i>
				Odd	Even	
1	2	3	4	5		6
<b>R661</b> <b>RNAV 5 above FL285</b>						
▲ DULAV 385700N 0453800E	145° 326°	UNL FL 200	20	↓		Baku FIR Tehran FIR Tehran Radar FREQ: 132.500 MHZ
△ RABDI 384804N 0454431E	10.3 NM 146° 326°	Class A, D				MOCA 13300 FT (DULAV-TBZ)
▲ SIBVU 384444N 0454657E	3.8 NM 146° 326°					
▲ TABRIZ DVOR/DME (TBZ) 380853.5N 0461246.6E	41.2 NM 123° 304°					
△ RUDAD 374045N 0465741E	45.0 NM 124° 305°	UNL FL 150  Class A, D				MOCA 12100 FT (TBZ-ZAJ)
▲ ZANJAN VOR/DME (ZAJ) 364646.8N 0482111.9E	85.6 NM 118° 298°	UNL FL 130				MOCA 12000 FT (ZAJ-RUS)
△ SUTBU 363324N 0484732	25.0 NM 118° 299°	Class A, D				
△ MIVAK 355915N 0495324E	63.2 NM 118° 299°	UNL FL 130				
▲ RUDESHUR VOR/DME (RUS) 352643.7N 0505419.3E	59.3 NM 094° 275°	Class A, C  UNL FL 90				Tehran Radar FREQ: 125.700 MHZ MOCA 6900 FT (RUS-VR)
▲ IMAM KHOMAINI DVOR/DME (IKA) 352434.8N 0511042.5E	13.5NM 095° 276°	FL 90 Class A, C				
▲ VARAMIN NDB (VR) 352033.6N 0513813.8E	22.8NM 091° 272°	UNL FL 110				Tehran Radar FREQ: 120.700 MHZ MOCA 10100 FT (VR -DHN)
▲ DEHNAMAK VOR/DME(DHN) 351515.0N 0524312.0E	53.4 NM	Class A, C			↑	

Note: Reporting points on TMA/ CTR boundaries are compulsory within TMA/ CTR limits.

Route designator Name of significant points Coordinates	MAG TR DIST	Upper limits Lower limits MNM FLT ALT Airspace classification	Lateral limits (NM)	Direction of cruising levels		Remarks Controlling unit <i>FREQ</i>	
				Odd	Even		
1	2	3	4	5		6	
<b>R784</b> <b>RNAV 5 above FL285</b>							
▲ NANPI 290457N 0493157E	130° 310°	UNL FL 150  Class A, D	30	↓		Kuwait FIR Tehran FIR Tehran Radar FREQ: 126.900 MHZ MOCA 2500 FT (NANPI-ORSAR)	
▲ ALNIN 283306N 0501036E	46.5 NM 131° 312°					Tehran Radar FREQ: 133.400 MHZ	
▲ IMDAT 274100N 0511100E	74.5 NM 120° 301°						
▲ DURSI 271219N 0520144E	53.4 NM 120° 300°						
▲ PEGET 270434N 0521515E	14.3 NM 120° 301°						
△ EGMIT 263340N 0530825E	56.6 NM 121° 301°						
▲ LEVNA 261535N 0533857E	32.8 NM 121° 302°						
▲ ORSAR 260430N 0535730E	20.0 NM					↑	Tehran FIR Emirates FIR / UIR

Note: Reporting points on TMA/ CTR boundaries are compulsory within TMA/ CTR limits.

Route designator Name of significant points Coordinates	MAG TR DIST	Upper limits Lower limits MNM FLT ALT Airspace classification	Lateral limits (NM)	Direction of cruising levels		Remarks Controlling unit FREQ
				Odd	Even	
1	2	3	4	5		6
<b>R794</b> <b>RNAV 5 above FL285</b>						
▲ DEHNAMAK VOR/DME(DHN) 351515.0N 0524312.0E	320° 139°	<u>UNL</u> FL 220	10		↓	Tehran Radar FREQ: 120.700 MHZ MOCA 20700 FT (DHN-NSH)
▲ NOSHAHR DVOR/DME (NSH) 363946.1N 0512751.4E	104.2 NM	Class A				Tehran Radar FREQ: 132.500 MHZ MOCA 6700 FT (NSH-ULDUS)
▲ ULEXI 374344N 0510631E	66.2 NM	<u>UNL</u> FL 100				
	340° 160°	Class A, D				
▲ ULDUS 380000N 0510100E	16.8 NM			↑		Tehran FIR Baku FIR

Note: Reporting points on TMA/ CTR boundaries are compulsory within TMA/ CTR limits.

Route designator Name of significant points Coordinates	MAG TR DIST	Upper limits Lower limits MNM FLT ALT Airspace classification	Lateral limits (NM)	Direction of cruising levels		Remarks Controlling unit <i>FREQ</i>
				Odd	Even	
1	2	3	4	5		6
W1 RNAV 5 above FL285						
▲ JASK NDB (JSK) 253905.8N 0574700.5E	341° 160°	UNL FL 120	20		↓	Tehran Radar FREQ: 120.300 MHZ
△ MELMI 264625N 0572300E	70.5 NM	Class A, D			↑	

Note: Reporting points on TMA/ CTR boundaries are compulsory within TMA/ CTR limits.

Route designator Name of significant points Coordinates	MAG TR DIST	Upper limits Lower limits MNM FLT ALT Airspace classification	Lateral limits (NM)	Direction of cruising levels		Remarks Controlling unit FREQ
				Odd	Even	
1	2	3	4	5		6
W2 RNAV 5 above FL285						
⚠ ZAHEDAN VOR/DME (ZDN) 292912.3N 0605405.7E	182° 002°	UNL FL 130  Class A, D	20		↓	Tehran Control FREQ: 123.900 MHZ MOCA 11200 FT (ZDN-ISR)
△ DANIX 285915N 0605140E	30.0 NM 182° 003°					
▲ LOXOL 274556N 0604538E	73.0 NM 183° 003°					
▲ IRAN SHAHR VOR/DME (ISR) 271403.8N 0604320.4E	32.2 NM 187° 007°	UNL FL 100				MOCA 7600 FT (ISR-MESPO)
▲ GOKSO 265542N 0604012E	18.6 NM 187° 007°					
▲ GENEV 264247N 0603757E	13.1 NM 187° 008°	Class A, D				Tehran Radar FREQ: 120.300 MHZ
△ EGLES 255614N 0602954E	47.1 NM 188° 008°					
▲ CHAH BAHAR DVOR/DME (CBH) 252641.9N 0602451.7E	30.0 NM 218° 038°	UNL FL 160				
▲ KINOX 250945N 0600942E	21.8 NM 218° 037°					
▲ MESPO 244817N 0595040E	27.6 NM				↑	Tehran FIR Muscat FIR

Note: Reporting points on TMA/ CTR boundaries are compulsory within TMA/ CTR limits.

Route designator Name of significant points Coordinates	MAG TR DIST	Upper limits Lower limits MNM FLT ALT Airspace classification	Lateral limits (NM)	Direction of cruising levels		Remarks Controlling unit <i>FREQ</i>
				Odd	Even	
1	2	3	4	5		6
W3 RNAV 5 above FL285						
▲ SHIRAZ DVOR/DME(SYZ) 293224.6N 0523519.6E	308° 128°	UNL FL 170  Class A, C	20		↓	Tehran Radar FREQ: 126.900 MHZ MOCA 12100 FT (SYZ-KISED)
▲ REXEB 295208N 0520923E	30.0 NM 308° 127°					
△ KISED 301820N 0513428E	40.0 NM 309° 129°	UNL FL 170				MOCA 13700 FT (KISED-RABIM)
△ RADID 302444N 0512613E	9.6 NM 307° 126°					
▲ KIXOB 310917N 0502459E	69.0 NM 306° 126°	Class A, D				
▲ IMKEN 314407N 0493611E	54.3 NM 302° 122°					
△ RABIM 315839N 0491225E	24.9 NM 300° 120°					MOCA 5000 FT (RABIM-DZF)
△ DARON 320944N 0485244E	20.0 NM 300° 120°					
▲ DEZFUL NDB (DZF) 322616.9N 0482241.8E	30.0 NM				↑	

Note: Reporting points on TMA/ CTR boundaries are compulsory within TMA/ CTR limits.

Route designator Name of significant points Coordinates	MAG TR DIST	Upper limits Lower limits MNM FLT ALT Airspace classification	Lateral limits (NM)	Direction of cruising levels		Remarks Controlling unit FREQ
				Odd	Even	
1	2	3	4	5		6
W5 RNAV 5 above FL285						
▲ YAZD VOR/DME(YZD) 315351.6N 0541657.7E	132° 313°	UNL FL 120  Class A, D	20	↓		Tehran Control FREQ: 123.900 MHZ MOCA 11300 FT (YZD-VEDOP)
△ VEDOP 313216N 0544126E	30.0 NM 133° 315°					
△ DAPOX 303245N 0554728E	82.1 NM 134° 314°					
▲ RAFSANJAN NDB/DME(RAF) 301809.9N 0560320.3E	20.0 NM 202° 022°					
▲ SIRJAN VOR/DME (SRJ) 293322.5N 0553937.0E	49.2 NM	Class A, D		↑		Tehran Radar FREQ: 120.300 MHZ MOCA 13100 FT (RAF-SRJ)

Note: Reporting points on TMA/ CTR boundaries are compulsory within TMA/ CTR limits.

Route designator Name of significant points Coordinates	MAG TR DIST	Upper limits Lower limits MNM FLT ALT Airspace classification	Lateral limits (NM)	Direction of cruising levels		Remarks Controlling unit <i>FREQ</i>
				Odd	Even	
1	2	3	4	5		6
<b>W6</b> <b>RNAV 5 above FL285</b>						
⚠ ESFAHAN DVOR/DME (ISN) 324449.1N 0514940.8E	239° 059°	<u>UNL</u> FL 180	20		↓	Tehran Radar FREQ: 126.900 MHZ MOCA 15000 FT (ISN -IMKEN)
▲ EGPAT 323330N 0512409E	24.3 NM	Class A, C				
△ GADLU 321645N 0504656E	35.7 NM	<u>UNL</u> FL 180				MOCA 15100 FT (GADLU-RADOV)
	238° 058°		Class A, D			
▲ RADOV 315136N 0495212E	52.9 NM	<u>UNL</u> FL 160				MOCA 9400 FT (RADOV-IMKEN)
△ IMKEN 314407N 0493611E	15.6 NM	Class A, D				MOCA 6800 FT (IMKEN-AWZ)
	238° 058°	<u>UNL</u> FL 100				
△ ITIBI 313451N 0491631E	19.1 NM	Class A, D				
	238° 058°	<u>UNL</u> FL 70				
▲ AHWAZ DVOR/DME(AWZ) 312015.3N 0484552.5E	30.0 NM	Class A, D			↑	
Note: Reporting points on TMA/ CTR boundaries are compulsory within TMA/ CTR limits.						



Route designator Name of significant points Coordinates	MAG TR DIST	Upper limits Lower limits MNM FLT ALT Airspace classification	Lateral limits (NM)	Direction of cruising levels		Remarks Controlling unit FREQ
				Odd	Even	
1	2	3	4	5		6
W7 RNAV 5 above FL285						
△ EGVEL 344258N 0503005E	216° 036°	UNL FL 170  Class A, D	20		↓	Tehran Radar FREQ: 125.700 MHZ
△ DEKBA 342145N 0500832E	27.7 NM 222° 042°					
▲ ARAK VOR/DME (ARK) 340813.9N 0495113.8E	19.7 NM 214° 034°					
▲ NOTSA 331745N 0490315E	64.4 NM 210° 030°					
▲ DAPEM 325126N 0484159E	31.8 NM 209° 029°					
▲ DEZFUL NDB (DZF) 322616.9N 0482241.8E	30.0 NM					
				↑		

Note: Reporting points on TMA/ CTR boundaries are compulsory within TMA/ CTR limits

Route designator Name of significant points Coordinates	MAG TR DIST	Upper limits Lower limits MNM FLT ALT Airspace classification	Lateral limits (NM)	Direction of cruising levels		Remarks Controlling unit FREQ
				Odd	Even	
1	2	3	4	5		6
<b>W8</b> RNAV 5 above FL285  ▲ TEHRAN DVOR/DME(TRN) 354149.1N 0511701.6E  ▲ SESBI 353154N 0502130E  △ PAVET 352639N 0495301E  △ SIVIM 352229N 0493050E  ▲ HAMADAN NOGEH VORTAC (HAB) 351234.0N 0483931.0E	   253° 073°  46.3 NM  253° 072°  23.8 NM  254° 073°  18.6 NM  253° 073°  43.1 NM	   UNL FL 130  Class A, C  UNL FL 130  Class A, D	   20          ↑	   ↓          ↑	Tehran Radar FREQ: 125.700 MHZ  MOCA 11900 FT (TRN-HAB)	

Note: Reporting points on TMA/ CTR boundaries are compulsory within TMA/ CTR limits.

Route designator Name of significant points Coordinates	MAG TR DIST	Upper limits Lower limits MNM FLT ALT Airspace classification	Lateral limits (NM)	Direction of cruising levels		Remarks Controlling unit FREQ
				Odd	Even	
1	2	3	4	5		6
W9 RNAV 5 above FL285						
▲ RASHT DVOR/DME (RST) 371934.8N 0493657.1E	237° 057°	UNL FL 140	10		↓	Tehran Radar FREQ: 132.500 MHZ MOCA 11800 FT (RST-ZAJ)
△ EGRUD 370521N 0490345E	30.0 NM	Class A, D				
▲ ASPOK 365918N 0484948E	12.9 NM	UNL FL 140	20			
	237° 056°	Class A, D				
▲ ZANJAN VOR/DME (ZAJ) 364646.8N 0482111.9E	26.1 NM			↑		
	155° 335°	UNL FL 120			↓	MOCA 10900 FT (ZAJ-GONVA)
△ GONVA 360557N 0484044E	43.8 NM					
	177° 357°	Class A, D				MOCA 11500 FT (GONVA-HAB)
▲ HAMADAN NOGEH VORTAC (HAB) 351234.0N 0483931.0E	53.4 NM				↑	
	187° 008°	UNL FL 150			↓	Tehran Radar FREQ: 125.700 MHZ MOCA 14200 FT (HAB-IVELI)
△ IVELI 343459N 0482952E	38.4 NM					
	177° 358°	Class A, D				MOCA 13900 FT (IVELI-GENUM)
▲ GENUM 332421N 0482701E	70.6 NM					
	178° 358°	Class A, D				MOCA 11800 FT (GENUM-DAPIK)
△ DAPIK 325554N 0482553E	28.4 NM					
	182° 002°					MOCA 14200 FT (DAPIK-DZF)
▲ DEZFUL NDB (DZF) 322616.9N 0482241.8E	30.0 NM			↑		

Note: Reporting points on TMA/ CTR boundaries are compulsory within TMA/ CTR limits.

Route designator Name of significant points Coordinates	MAG TR DIST	Upper limits Lower limits MNM FLT ALT Airspace classification	Lateral limits (NM)	Direction of cruising levels		Remarks Controlling unit <i>FREQ</i>
				Odd	Even	
1	2	3	4	5		6
<b>W10</b> RNAV 5 above FL285						
▲ SHIRAZ DVOR/DME(SYZ) 293224.6N 0523519.6E	148° 329°	UNL FL 130	20	↓		Tehran Radar FREQ: 133.400 MHZ MOCA 12700 FT (SYZ-SITEN)
△ SITEN 290207N 0525532E	35.0 NM 118° 298°					Class A, C
△ TAGTA 284311N 0533217E	37.2 NM 117° 298°	UNL FL 130	10			
▲ LORIX 280620N 0544331E	72.7 NM 118° 298°					Class A, D
▲ DOBAS 275323N 0550803E	25.2 NM 118° 298°	UNL FL 130	20			Tehran Radar FREQ: 120.300 MHZ MOCA 9600 FT (MOBON-BND)
△ MOBON 274414N 0552513E	17.7 NM 119° 300°					Class A, C
▲ BANDAR ABBAS DVOR/DME (BND) 271149.4N 0562200.3E	60.0 NM 113° 294°	UNL FL 100				MOCA 8900FT (BND-CBH)
△ MELMI 264625N 0572300E	60.0 NM 114° 295°	UNL FL 100				
▲ SEVDA 260217N 0590549E	102.1 NM 115° 296°					Class A, C
△ EGNUX 254006N 0595525E	49.9 NM 116° 296°	Class A, D				
▲ CHAH BAHAR DVOR/DME (CBH) 252641.9N 0602451.7E	30.0 NM				↑	
Note: Reporting points on TMA/ CTR boundaries are compulsory within TMA/ CTR limits.						

Route designator Name of significant points Coordinates	MAG TR DIST	Upper limits Lower limits MNM FLT ALT Airspace classification	Lateral limits (NM)	Direction of cruising levels		Remarks Controlling unit FREQ
				Odd	Even	
1	2	3	4	5		6
W13 RNAV 5 above FL285						
▲ VARAMIN NDB (VR) 352033.6N 0513813.8E	191° 011°	UNL FL 200  Class A, C	10	↓		Tehran Radar FREQ: 125.700 MHZ Unidirectional westbound. TFC routing from VR to PEKAM shall assign odd flight level
△ ELUSI 343135N 0512148E	50.8 NM	UNL FL 160  Class A, D				MOCA 12600FT (ELUSI-GOLSO)
▲ GOLSO 340235N 0511213E	30.0 NM					MOCA 13600FT (GOLSO-PEKAM)
△ PEKAM 332904N 0510118E	191° 011°	34.7 NM				

Note: Reporting points on TMA/ CTR boundaries are compulsory within TMA/ CTR limits.

Route designator Name of significant points Coordinates	MAG TR DIST	Upper limits Lower limits MNM FLT ALT Airspace classification	Lateral limits (NM)	Direction of cruising levels		Remarks Controlling unit <i>FREQ</i>
				Odd	Even	
1	2	3	4	5		6
<b>W23</b> <b>RNAV 5 above FL285</b>  ▲ SHIRAZ DVOR/DME(SYZ) 293224.6N 0523519.6E  △ KUGVU 290747N 0512020E  ▲ BUSHEHR DVOR/DME (BUZ) 285704.7N 0504933.5E			20			
	247° 067°	UNL FL 140			↓	Tehran Radar FREQ: 126.900 MHZ MOCA 12500 FT (SYZ-BUZ)
	70.0 NM	Class A, C				
	245° 065°	UNL FL 140				
	29.0 NM	Class A, D			↑	

Note: Reporting points on TMA/ CTR boundaries are compulsory within TMA/ CTR limits.

Route designator Name of significant points Coordinates	MAG TR DIST	Upper limits Lower limits MNM FLT ALT Airspace classification	Lateral limits (NM)	Direction of cruising levels		Remarks Controlling unit FREQ
				Odd	Even	
1	2	3	4	5		6
<b>W30</b> RNAV 5 above FL285						
▲ IMDAT 274100N 0511100E	332° 151°	<u>UNL</u> FL 150	10		↓	Tehran Radar FREQ: 126.900 MHZ MOCA 2600 FT (IMDAT-MAH)
▲ KHARK ISLAND DVOR/DME (KHG) 291550.0N 0501900.7E	105.0 NM	Class A, D				
△ MEMPI 293113N 0500618E	19.0 NM		20			
	321° 141°					
▲ VATAN 300800N 0493533E	45.4 NM					
	315° 135°	<u>UNL</u> FL 40				
▲ BANDAR MAHSHAHR DVOR/DME(MAH) 303322.8N 0490858.0E	34.2 NM					
	334° 154°	Class A, D				MOCA 2800 FT (MAH-AWZ)
△ GODMO 305426N 0485834E	22.8 NM					
	334° 154°					
▲ AHWAZ DVOR/DME(AWZ) 312015.3N 0484552.5E	28.0 NM				↑	

Note: Reporting points on TMA/ CTR boundaries are compulsory within TMA/ CTR limits.

Route designator Name of significant points Coordinates	MAG TR DIST	Upper limits Lower limits MNM FLT ALT Airspace classification	Lateral limits (NM)	Direction of cruising levels		Remarks Controlling unit FREQ
				Odd	Even	
1	2	3	4	5		6
<b>W31</b> <b>RNAV 5 above L285</b>						
△ EGVAX 314337N 0490802E	175° 355°	UNL FL 100	10	↓		Tehran Radar FREQ: 126.900 MHZ
▲ BANDAR MAHSHAHR DVOR/DME(MAH) 303322.8N 0490858.0E	70.2 NM	Class A, D			↑	
△ BOPIS 302821N 0484251E	255° 074°	UNL FL 40			↓	MOCA 2600 FT (MAH-ABD)
△ BOPIS 302821N 0484251E	23.1 NM	UNL FL 40 Class A, D				
	254° 073°					
▲ ABADAN DVOR/DME(ABD) 302231.1N 0481314.2E	26.2 NM			↑		Tehran FIR

Note: Reporting points on TMA/ CTR boundaries are compulsory within TMA/ CTR limits.



Route designator Name of significant points Coordinates	MAG TR DIST	Upper limits Lower limits MNM FLT ALT Airspace classification	Lateral limits (NM)	Direction of cruising levels		Remarks Controlling unit <i>FREQ</i>
				Odd	Even	
1	2	3	4	5		6
W32 RNAV 5 above FL285						
▲ ROVAD 333131N 0535240E	166° 346°	UNL FL 150  Class A, D	20	↓		Tehran Control FREQ: 123.900 MHZ
▲ PURKI 331140N 0535657E	20.2 NM 165° 345°					MOCA 8700 FT (PURKI -YZD)
▲ ALNER 325124N 0540202E	20.7 NM 164° 344°					
△ BONOL 322314N 0540929E	28.8 NM 164° 344°					
▲ YAZD VOR/DME(YZD) 315351.6N 0541657.7E	30.0 NM 149° 330°					MOCA 13700 FT (YZD-GADPU)
△ GADPU 312709N 0543302E	30.0 NM 150° 331°					MOCA 13600 FT (GADPU-SRJ)
▲ DESLA 304538N 0545744E	46.6 NM 150° 331°					Tehran Radar FREQ: 120.300 MHZ
▲ DAVUT 300214N 0552301E	48.5 NM 150° 331°					
▲ SIRJAN VOR/DME (SRJ) 293322.5N 0553937.0E	32.3 NM 162° 343°					MOCA 12400 FT (SRJ-BND)
▲ SOLAK 285156N 0555215E	42.8 NM 163° 343°					UNL FL 170  Class A, D
△ ASMUK 280952N 0560453E	43.4 NM 163° 344°	UNL FL 170				
▲ BANDAR ABBAS DVOR/DME (BND) 271149.4N 0562200.3E	60.0 NM	Class A, C		↑		

Note: Reporting points on TMA/ CTR boundaries are compulsory within TMA/ CTR limits.

Route designator Name of significant points Coordinates	MAG TR DIST	Upper limits Lower limits MNM FLT ALT Airspace classification	Lateral limits (NM)	Direction of cruising levels		Remarks Controlling unit FREQ
				Odd	Even	
1	2	3	4	5		6
<b>W134</b> <b>RNAV 5 above FL285</b> ▲ BOJNORD DVOR/DME (BRD) 372942.2N 0571923.8E ▣ SABZEVAR VOR/DME (SBZ) 361010.9N 0573415.0E						
	167° 347°	UNL FL 130	20	↓		Tehran Radar FREQ: 120.700 MHZ MOCA 10300 FT (BRD-SBZ)
	80.3 NM	Class A, D			↑	

Note: Reporting points on TMA/ CTR boundaries are compulsory within TMA/ CTR limits.

Route designator Name of significant points Coordinates	MAG TR DIST	Upper limits Lower limits MNM FLT ALT Airspace classification	Lateral limits (NM)	Direction of cruising levels		Remarks Controlling unit FREQ
				Odd	Even	
1	2	3	4	5		6
<b>W137</b> <b>RNAV 5 above FL285</b>  <b>▲</b> DARBAND VOR/DME(DAR) 314659.4N 0565940.4E  <b>▲</b> KUVAV 313426N 0585747E  <b>▲</b> ELOKA 312325N 0595922E  <b>▲</b> ZABOL VOR/DME(ZAL) 310543.9N 0613230.8E	   094° 275°  101.3 NM 099° 280°  53.7 NM 100° 281°  81.6 NM	   <u>UNL</u> FL 120   Class A, D	   20	   ↓        ↑	   Tehran Control FREQ: 123.900 MHZ MOCA 11100 FT (DAR-ZAL)	

Note: Reporting points on TMA/ CTR boundaries are compulsory within TMA/ CTR limits.

Route designator Name of significant points Coordinates	MAG TR DIST	Upper limits Lower limits MNM FLT ALT Airspace classification	Lateral limits (NM)	Direction of cruising levels		Remarks Controlling unit <i>FREQ</i>
				Odd	Even	
1	2	3	4	5		6
<b>W139</b> <b>RNAV 5 above FL285</b>						
▲ BAM VOR/DME (BAM) 290438.9N 0582730.0E	333° 152°	UNL FL 110	20		↓	Tehran Control FREQ: 123.900 MHZ MOCA 10000 FT (BAM-ORDAD)
▲ ORDAD 300608N 0575454E	67.7 NM 333° 152°	Class A, D				MOCA 12500 FT (ORDAD-DAR)
▲ EGRES 304855N 0573144E	47.2 NM 333° 152°					
▲ DARBAND VOR/DME(DAR) 314659.4N 0565940.4E	64.2 NM 355° 174°	UNL FL 130				MOCA 6800 FT (DAR-TBS)
△ SIMDU 325648N 0565611E	69.9 NM 354° 174°	Class A, D				
△ GEVOR 331415N 0565517E	17.5 NM 354° 174°					
▲ TABAS VOR/DME(TBS) 334021.2N 0565330.9E	26.1 NM				↑	

Note: Reporting points on TMA/CTR boundaries are compulsory within TMA/CTR limits.

Route designator Name of significant points Coordinates	MAG TR DIST	Upper limits Lower limits MNM FLT ALT Airspace classification	Lateral limits (NM)	Direction of cruising levels		Remarks Controlling unit FREQ
				Odd	Even	
1	2	3	4	5		6
<b>W143</b> RNAV 5 above FL285						
▲ LAR DVOR/DME (LAR) 274030.7N 0542454.7E	252° 072°	UNL FL 100  Class A, D	20		↓	Tehran Radar FREQ: 133.400 MHZ MOCA 9200 FT (LAR-LAM)
▲ ROTAL 273241N 0535320E	29.1 NM 252° 072°					
△ SOKEV 272856N 0533749E	14.3 NM 252° 072°					
▲ LAMERD VOR/DME (LAM) 272222.2N 0531102.3E	24.7 NM 266° 085°					
▲ PERSIAN GULF DVOR/DME (PRG) 272137.2N 0524552.0E	22.4 NM 254° 074°					
▲ MIXEM 271520N 0521556E	27.3 NM 254° 074°					
▲ DURSI 271219N 0520144E	13.0 NM					

Note: Reporting points on TMA/ CTR boundaries are compulsory within TMA/ CTR limits.

Route designator Name of significant points Coordinates	MAG TR DIST	Upper limits Lower limits MNM FLT ALT Airspace classification	Lateral limits (NM)	Direction of cruising levels		Remarks Controlling unit <i>FREQ</i>
				Odd	Even	
1	2	3	4	5		6
<b>W144</b> <b>RNAV 5 above FL285</b>						
▲ BUSHEHR DVOR/DME (BUZ) 285704.7N 0504933.5E	017° 197°	UNL FL 140  Class A, D	10		↓	Tehran Radar FREQ: 126.900 MHZ Traffic routing from BUZ to GESIP shall assign even flight levels MOCA 12200 FT (BUZ-YSJ)
△ SESMA 293441N 0510509E	40.0 NM 017° 197°					
△ RADID 302444N 0512613E	53.2 NM 017° 197°					
▲ YASOUJ DVOR/DME (YSJ) 304136.0N 0513324.1E	18.0 NM 019° 199°	UNL FL 170				
▲ MIPUL 310010N 0514209E	20.0 NM 019° 199°	Class A, D				
▲ OBTUX 312223N 0515242E	24.0 NM 019° 199°					
△ GESIP 314556N 0520359E	25.4 NM					
					↑	Traffic routing from GESIP to BUZ shall assign odd flight levels

Note: Reporting points on TMA/ CTR boundaries are compulsory within TMA/ CTR limits.

Route designator Name of significant points Coordinates	MAG TR DIST	Upper limits Lower limits MNM FLT ALT Airspace classification	Lateral limits (NM)	Direction of cruising levels		Remarks Controlling unit FREQ
				Odd	Even	
1	2	3	4	5		6
<b>W146</b> <b>RNAV 5 above FL285</b> <b>▲ GHESHM ISLAND</b> NDB/DME(KHM) 264547.1N 0555427.6E <b>▲ NANPA</b> 262301N 0553136E <b>▲ KAVEG</b> 261608N 0552434E <b>▲ VELIX</b> 260327N 0551200E <b>▲ ABUMUSA ISLAND</b> NDB/DME (ABM) 255240.8N 0550122.1E	220° 040° 30.6 NM 220° 040° 9.3 NM 219° 039° 17.0 NM 219° 039° 14.4 NM	UNL FL 50 Class A, D	10		↓	Tehran Radar FREQ: 133.400 MHZ MOCA 5000 FT (KHM-ABM)
					↑	

Note: Reporting points on TMA/ CTR boundaries are compulsory within TMA/ CTR limits.



Route designator Name of significant points Coordinates	MAG TR DIST	Upper limits Lower limits MNM FLT ALT Airspace classification	Lateral limits (NM)	Direction of cruising levels		Remarks Controlling unit FREQ
				Odd	Even	
1	2	3	4	5		6
<b>W150</b> RNAV 5 above FL285						
△ PAXID 361703N 0502021E	021° 201°	UNL FL 160	20	↓		Tehran Radar FREQ: 132.500 MHZ MOCA 15100 FT (PAXID-RSR)
△ BONUP 363552N 0503041E	20.8 NM	Class A, D				
	021° 201°	UNL FL 160				
▲ RAMSAR NDB/DME (RSR) 365412.5N 0504049.6E	20.0 NM	Class A, D				↑

Note: Reporting points on TMA/ CTR boundaries are compulsory within TMA/ CTR limits.



Route designator Name of significant points Coordinates	MAG TR DIST	Upper limits Lower limits MNM FLT ALT Airspace classification	Lateral limits (NM)	Direction of cruising levels		Remarks Controlling unit FREQ
				Odd	Even	
1	2	3	4	5		6
<b>W151</b> <b>RNAV 5 above FL285</b>  <b>▲</b> ARDABIL VOR/DME (ARB) 381856.5N 0482605.1E  <b>△</b> ITUPA 383436N 0480220E  <b>△</b> TUKDO 384626N 0474446E  <b>▲</b> PARSABADE MOGHAN VOR/DME (PAD) 393611.2N 0475323.9E						
	306° 126°	UNL FL 110	10		↓	Tehran Radar FREQ: 132.500 MHZ MOCA 9600 FT (ARB-PAD)
	25.0 NM					
	307° 127°	Class A, D				
	17.4 NM			20	↑ ↓	
	002° 182°					
	50.2 NM				↑	

Note: Reporting points on TMA/ CTR boundaries are compulsory within TMA/ CTR limits.

Route designator Name of significant points Coordinates	MAG TR DIST	Upper limits Lower limits MNM FLT ALT Airspace classification	Lateral limits (NM)	Direction of cruising levels		Remarks Controlling unit FREQ
				Odd	Even	
1	2	3	4	5		6
<b>W152</b> <b>RNAV 5 above FL285</b>						
▲ ABUMUSA ISLAND NDB/DME (ABM) 255240.8N 0550122.1E	345° 164°	UNL FL 50	20		↓	Tehran Radar FREQ: 133.400 MHZ MOCA 3500 FT (ABM-LEN)
▲ MIRIT 262013N 0545411E	28.3 NM 345° 165°	Class A, D				
▲ BANDAR LENGEH VOR/DME(LEN) 263210.1N 0545104.2E	12.3 NM 318° 138°	UNL FL 100				MOCA 8300 FT (LEN-ROTAL)
▲ ROSUM 264741N 0543637E	20.2 NM 318° 137°					
△ NABEX 271157N 0541334E	31.8 NM 318° 138°	Class A, D				
▲ ROTAL 273241N 0535320E	27.5 NM				↑	

Note: Reporting points on TMA/ CTR boundaries are compulsory within TMA/ CTR limits.

Route designator Name of significant points Coordinates	MAG TR DIST	Upper limits Lower limits MNM FLT ALT Airspace classification	Lateral limits (NM)	Direction of cruising levels		Remarks Controlling unit FREQ
				Odd	Even	
1	2	3	4	5		6
<b>W154</b> <b>RNAV 5 above FL285</b>						Unidirectional eastbound airway
▲ GIBAB 353213N 0543656E	271° 092°	UNL FL 130  Class A, D	10			Tehran Radar FREQ: 120.700 MHZ  MOCA 13000 FT (GIBAB-DHN) Unidirectional eastbound from DHN to GIBAB
▲ UKPOD 353437N 0540603E	25.2 NM 250° 069°					
▲ DEHNAMAK VOR/DME(DHN) 351515.0N 0524312.0E	70.4 NM 288° 107°	UNL FL 130  Class A, C			↑	
▲ TEHRAN DVOR/DME (TRN) 354149.1N 0511701.6E	75.2NM 227° 047°	UNL FL 100  Class A, C				Tehran Radar FREQ: 125.700 MHZ
▲ RUDESHUR VOR/DME (RUS) 352643.7N 0505419.3E	23.9 NM 221° 041°	UNL FL 90  Class A, C				
▲ SOGOL 350829N 0503128E	26.1 NM 265° 085°	UNL FL 200  Class A, C				
▲ PEDAR 350826N 0502206E	7.7 NM 265° 085°	UNL FL 180  Class A, D				
△ ENASU 350816N 0500133E	16.8 NM 242° 061°	UNL FL 160  Class A, D				
△ IVELI 343459N 0482952E	82.2 NM 255° 075°	UNL FL 140  Class A, D				
△ ASRIL 342813N 0474513E	37.4 NM 251° 071°	UNL FL 140  Class A, D				
▲ KERMANSHAH DVOR/DME (KMS) 342023.0N 0471008.9E	30.0NM 216° 036°	UNL FL 140  Class A, D				
△ MOKAB 340113N 0465103E	24.8 NM 216° 036°	UNL FL 140  Class A, D				
▲ ILAM DVOR/DME 333442.3N 0462455.4E	34.3NM				↑	

Note 1: Reporting points on TMA/ CTR boundaries are compulsory within TMA/ CTR limits.  
Note 2: W154 Between DHN VOR/DME and GIBAB is useable when B411 is closed due to activation of OID117.

Route designator Name of significant points Coordinates	MAG TR DIST	Upper limits Lower limits MNM FLT ALT Airspace classification	Lateral limits (NM)	Direction of cruising levels		Remarks Controlling unit <i>FREQ</i>
				Odd	Even	
1	2	3	4	5		6
<b>W155</b> <b>RNAV 5 above FL285</b>  ▲ GORGAN DVOR/DME(GGN) 365544.7N 0542233.3E  △ DASBU 370501N 0544436E  ▲ KALALEH NDB (KLH) 372317.1N 0552723.8E						
	058° 238°	UNL FL 40	20	↓	Tehran Radar FREQ: 120.700 MHZ MOCA 3200 FT (GGN-DASBU)	
	20.0 NM	Class A, D			MOCA 5800 FT (DASBU-KLH)	
	057° 237°	UNL FL 60				
38.8 NM	Class A, D			↑		

Note: Reporting points on TMA/ CTR boundaries are compulsory within TMA/ CTR limits.

Route designator Name of significant points Coordinates	MAG TR DIST	Upper limits Lower limits MNM FLT ALT Airspace classification	Lateral limits (NM)	Direction of cruising levels		Remarks Controlling unit FREQ
				Odd	Even	
1	2	3	4	5		6
<b>W156</b> <b>RNAV 5 above FL285</b>  <b>▲ GORGAN</b> DVOR/DME(GGN) 365544.7N 0542233.3E  <b>△ BONUL</b> 364234 0544112E  <b>▲ SHAHROUD</b> VOR/DME(SHR) 362522.3N 0550519.5E						
	127° 307°	<u>UNL</u> FL 150	20	↓	Tehran Radar FREQ: 120.700 MHZ MOCA 12600 FT (GGN-BONUL)	
	20.0 NM	Class A, D				
	127° 307°	<u>UNL</u> FL 160				
25.5 NM	Class A, D		↑			

Note: Reporting points on TMA/ CTR boundaries are compulsory within TMA/ CTR limits

Route designator Name of significant points Coordinates	MAG TR DIST	Upper limits Lower limits MNM FLT ALT Airspace classification	Lateral limits (NM)	Direction of cruising levels		Remarks Controlling unit FREQ
				Odd	Even	
1	2	3	4	5		6
<b>W158</b> <b>RNAV 5 above FL285</b>						
▲ PAREX 360527N 0465154E	167° 347°	UNL FL 200	10	↓		Tehran Radar FREQ: 125.700 MHZ
▲ TAVNI 353807N 0465631E	27.6 NM 175° 356°	Class A,D				
▲ NOLTO 351435N 0465623E	23.5 NM 159° 339°	UNL FL 140				MOCA 13300 FT (NOLTO-KMS)
△ BOPEL 345005N 0470451E	25.4 NM 168° 348°	Class A, D	20			
▲ KERMANSHAH DVOR/DME (KMS) 342023.0N 0471008.9E	30.0 NM 130° 310°	UNL FL 160				MOCA 13000 FT (KMS-KRD)
▲ BUBAV 335934N 0473612E	30.0 NM 129° 310°	Class A, D				
▲ KHORAM ABAD DVOR/DME(KRD) 332603.1N 0481730.7E	48.0 NM				↑	

Note: Reporting points on TMA/ CTR boundaries are compulsory within TMA/ CTR limits.

Route designator Name of significant points Coordinates	MAG TR DIST	Upper limits Lower limits MNM FLT ALT Airspace classification	Lateral limits (NM)	Direction of cruising levels		Remarks Controlling unit FREQ					
				Odd	Even						
1	2	3	4	5		6					
<b>W159</b> <b>RNAV 5 above FL285</b>											
▲ RERET 333336 0532651E	092° 272°	UNL FL 130  Class A, D	20	↓		Tehran Radar FREQ: 123.900 MHZ					
▲ ROVAD 333131N 0535240E	21.7 NM 092° 273°										
▲ ALMUD 331758N 0561941E	123.8 NM 093° 274°										
▲ OTISO 331451N 0564936E	25.2 NM 094° 274°										
▲ ROXEK 331123N 0572138E	27.0 NM 094° 275°										
△ TULKU 330102N 0585024E	75.1 NM 095° 276°										
▲ BIRJAND DVOR/DME (BJD) 325820.7N 0591200.5E	18.3 NM										↑

Note: Reporting points on TMA/ CTR boundaries are compulsory within TMA/ CTR limits.

Route designator Name of significant points Coordinates	MAG TR DIST	Upper limits Lower limits MNM FLT ALT Airspace classification	Lateral limits (NM)	Direction of cruising levels		Remarks Controlling unit FREQ
				Odd	Even	
1	2	3	4	5		6
<b>W161</b> <b>RNAV 5 above FL285</b>  ▲ IMAM KHOMAINI DVOR/DME (IKA) 352434.8N 0511042.5E  ▲ RUDESHUR VOR/DME (RUS) 352643.7N 0505419.3E  ▲ VEBER 354209N 0504400E  ▲ GOLNU 355711N 0502052E  △ PAROT 361128N 0495841E  △ ALTIV 364359N 0494823E  △ RARTA 365030N 0494619E  ▲ RASHT DVOR/DME (RST) 371934.8N 0493657.1E						
	275° 094°	UNL FL 90	16		↓	Tehran Radar FREQ: 125.700 MHZ
	13.5 NM	Class A, C				MOCA 9200 FT (RUS - VEBER)
	328° 147°	UNL FL 150				
	17.6 NM	Class A, C				
	304° 124°	UNL FL 150				
	24.0 NM	Class A, C				
	304° 124°					
	22.9 NM	UNL FL 160	14			Tehran Radar FREQ 132.500 MHZ
	340° 160°	Class A, D				MOCA 10400 FT (PAROT-ALTIV)
	33.5 NM	UNL FL 160				MOCA 10900 FT (ALTIV-RARTA)
	340° 160°	Class A, D				MOCA 10900 FT (RARTA-RST)
6.7 NM	UNL FL 140					
340° 160°	Class A, D					
30.0 NM						
				↑		

Note: Reporting points on TMA/ CTR boundaries are compulsory within TMA/ CTR limits.



Route designator Name of significant points Coordinates	MAG TR DIST	Upper limits Lower limits MNM FLT ALT Airspace classification	Lateral limits (NM)	Direction of cruising levels		Remarks Controlling unit FREQ
				Odd	Even	
1	2	3	4	5		6
→ W162 RNAV 5 above FL285  △ EMESA 354605N 0583337E  ▲ DAPIN 342034N 0570413E						
	217° 036°	<u>UNL</u> FL 180	10		↓	Tehran Radar FREQ: 120.700 MHZ
	112.6 NM	Class A, D			↑	

Note: Reporting points on TMA/ CTR boundaries are compulsory within TMA/ CTR limits.