

Route designator Name of significant points Coordinates	True Track	Geodesic DIST NM	Upper limits Lower limits	Direction of cruising levels Odd Even		Remarks	Controlling Unit
1	2	3	4	5		6	7
<b>Q104</b>							
△ DETEX N 48 23 40 E 012 19 53							
	089.3	16.7	FL 195 5000 ft MSL	↓			München ACC
△ BIBAG N 48 23 49 E 012 44 59							
	087.3	22.4	FL 660 5000 ft MSL	↓			Karlsruhe UAC München ACC
△ AKIMA N 48 24 47 E 013 18 37							
	087.3	32.8	FL 660 6000 ft MSL	↓			Karlsruhe UAC München ACC
△ FREISTADT DVOR/DME (FRE) N 48 25 54 E 014 07 47							

<b>Q112</b>							
△ MORED N 47 52 35 E 013 00 56							
	301.0	9.3	FL 660 10000 ft MSL		↓		Karlsruhe UAC München ACC
△ REDBU N 47 57 21 E 012 49 06							
	301.0	12.1	FL 660 6000 ft MSL		↓		Karlsruhe UAC München ACC
△ TITIG N 48 03 32 E 012 33 34							
	300.9	10.0	FL 660 6000 ft MSL		↓		Karlsruhe UAC München ACC
△ NAPSA N 48 08 39 E 012 20 44							

<b>Q113</b>							
△ AMADI N 48 05 29 E 012 54 50							
	278.1	23.1	FL 660 6000 ft MSL		↓		Karlsruhe UAC München ACC
△ NAPSA N 48 08 39 E 012 20 44							

<b>Q200</b>							
△ POGAB N 51 50 43 E 013 59 02							
	064.5 246.2	7.8	FL 285 4000 ft MSL	↓	↑		Bremen ACC
△ LUROS N 51 53 55 E 014 10 28							
	064.5 246.2	23.6	FL 285 4000 ft MSL	↓	↑		Bremen ACC
△ GOVEN (FIR BDRY) N 52 03 30 E 014 45 20							

<b>Q201</b>							
△ BRANE N 52 29 02 E 012 33 41							
	252.2	18.6	FL 660 4000 ft MSL		↓		Bremen ACC Karlsruhe UAC
△ GALKU N 52 23 22 E 012 04 45							
	252.2	8.7	FL 660 4000 ft MSL		↓		Bremen ACC Karlsruhe UAC
△ BUREL N 52 20 40 E 011 51 16							
	252.2	40.0	FL 660 FL 95		↓		Bremen ACC Maastricht UAC
△ POVEL N 52 07 42 E 010 49 40							
	249.6	85.4	FL 660 FL 245		↓		Maastricht UAC
△ PODER N 51 36 45 E 008 41 17							

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1	2	3	4	Odd	Even		
Q230							
△ RENDO N 51 16 41 E 013 53 05							
	280.2	26.4	FL 315 5000 ft MSL		↓	CDR1 FL 100 – FL 280 H24	München ACC
△ BEBEX N 51 21 13 E 013 11 39							
	280.9	13.2	FL 315 5000 ft MSL		↓	CDR1 FL 100 – FL 280 H24	München ACC
△ IXUMI N 51 23 41 E 012 51 01							
	280.7	11.5	FL 315 5000 ft MSL		↓	CDR1 FL 100 – FL 280 H24	München ACC
△ TADUV N 51 25 48 E 012 32 53							
	274.1	55.2	FL 245 6000 ft MSL		↓		München ACC
△ ORTAG N 51 29 12 E 011 04 47							
	280.6	16.9	FL 245 6000 ft MSL		↓		München ACC
△ KUMER N 51 32 15 E 010 38 06							
	268.7	33.4	FL 245 6000 ft MSL		↓		Bremen ACC
△ GOTGI N 51 31 17 E 009 44 38							
	268.0	23.7	FL 245 6000 ft MSL		↓		Bremen ACC
△ WARBURG DVOR/DME (WRB) N 51 30 21 E 009 06 39							

<b>Q240</b>							
△ ABKIS N 50 37 47 E 013 03 26							
	041.4 221.9	24.6	FL 660 7000 ft MSL	↑	↓		Karlsruhe UAC München ACC
△ BESIP N 50 56 07 E 013 29 07							
	041.4 221.9	6.5	FL 660 5000 ft MSL	↑	↓		Karlsruhe UAC München ACC
△ DRESDEN DVOR/DME (DRN) N 51 00 56 E 013 35 56							

<b>Q246</b>							
△ PIKIB N 50 53 36 E 013 42 33							
	059.6 239.7	4.5	FL 245 5000 ft MSL	↓	↑		München ACC
△ RIKLU N 50 55 52 E 013 48 40							
	059.7 239.8	7.5	FL 245 5000 ft MSL	↓	↑		München ACC
△ PIRAP N 50 59 38 E 013 58 54							
	059.7 240.3	8.6	FL 245 5000 ft MSL	↓	↑		München ACC
△ ESLOR N 51 03 57 E 014 10 46							
	059.7 240.3	6.6	FL 245 5000 ft MSL	↓	↑		München ACC
△ BUSIR N 51 07 15 E 014 19 51							
	090.4	8.6	FL 245 5000 ft MSL	↓			München ACC
△ LOBMA N 51 07 11 E 014 33 35							

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1	2	3	4	5		6	7
Q280							
△ NEDIK (FIR BDRY) N 54 29 11 E 012 03 54							
	149.5 330.2	14.7	FL 285 4000 ft MSL	↓	↑		Bremen ACC
△ GASBO N 54 16 29 E 012 16 36							
	149.5 330.2	36.2	FL 285 4000 ft MSL	↓	↑	CDR1 FL 100 – FL 280 H24 See ENR 5.1 MVPA North-East. Expect late climb or early descent on this segment due to military activities.	Bremen ACC
△ LEGSA N 53 45 12 E 012 47 23							

<b>Q282</b>							
△ BIGTI N 53 31 48 E 012 53 48							
	239.1 058.0	57.0	FL 285 4000 ft MSL	↑	↓	<b>CDR1</b> FL 100 – FL 280 H24 See ENR 5.1 MVPA North-East. Expect late climb or early descent on this segment due to military activities.	Bremen ACC
△ BRÜNKENDORF DVOR/DME (BKD) N 53 02 04 E 011 32 46							
	244.8 064.2	28.2	FL 245 4000 ft MSL	↑	↓		Bremen ACC
△ DIRBO N 52 49 56 E 010 50 39							
	244.2 063.6	33.1	FL 245 4000 ft MSL	↑	↓		Bremen ACC
△ CELLE NDB (CEL) N 52 35 23 E 010 01 46							

<b>Q296</b>							
△ ROSOK N 54 12 36 E 012 04 36							
	016.9	25.1	FL 660 4000 ft MSL		↓		Bremen ACC Karlsruhe UAC
△ NIKDA (FIR BDRY) N 54 36 31 E 012 17 08							

<b>Q760</b>							
△ SAARBRÜCKEN NDB (SBN) N 49 13 08 E 007 07 06							
	347.1 167.0	10.7	FL 660 6000 ft MSL	↑	↓	<b>CDR1</b> FL 100 H24 <b>CDR1</b> FL 110 – FL 660 Mon 2300 (2200) – Tue 0700 (0600) Tue 2300 (2200) – Wed 0700 (0600) Wed 2300 (2200) – Thu 0700 (0600) Thu 2300 (2200) – Fri 0700 (0600) Fri 1700 (1600) – Mon 0700 (0600) legal holidays Outside these times not available.	Karlsruhe UAC Langen ACC
△ TOMPI N 49 23 31 E 007 03 27							
	348.1 168.0	3.4	FL 660 6000 ft MSL	↑	↓	<b>CDR1</b> FL 100 H24 <b>CDR1</b> FL 110 – FL 660 Mon 2300 (2200) – Tue 0700 (0600) Tue 2300 (2200) – Wed 0700 (0600) Wed 2300 (2200) – Thu 0700 (0600) Thu 2300 (2200) – Fri 0700 (0600) Fri 1700 (1600) – Mon 0700 (0600) legal holidays Outside these times not available.	Karlsruhe UAC Langen ACC

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1	2	3	4	5		6	7
△ MAPIG N 49 26 53 E 007 02 22							
	348.1 168.0	3.6	FL 660 6000 ft MSL	↑	↓	<b>CDR1</b> FL 100 H24 <b>CDR1</b> FL 110 – FL 660 Mon 2300 (2200) – Tue 0700 (0600) Tue 2300 (2200) – Wed 0700 (0600) Wed 2300 (2200) – Thu 0700 (0600) Thu 2300 (2200) – Fri 0700 (0600) Fri 1700 (1600) – Mon 0700 (0600) legal holidays Outside these times not available.	Karlsruhe UAC Langen ACC
△ TOLEY N 49 30 24 E 007 01 14							
	348.1 168.0	12.3	FL 660 6000 ft MSL	↑	↓	<b>CDR1</b> FL 100 H24 <b>CDR1</b> FL 110 – FL 660 Mon 2300 (2200) – Tue 0700 (0600) Tue 2300 (2200) – Wed 0700 (0600) Wed 2300 (2200) – Thu 0700 (0600) Thu 2300 (2200) – Fri 0700 (0600) Fri 1700 (1600) – Mon 0700 (0600) legal holidays Outside these times not available.	Karlsruhe UAC Langen ACC
△ IDARO N 49 42 25 E 006 57 19							
	353.5 173.4	17.3	FL 660 6000 ft MSL	↑	↓	<b>CDR1</b> FL 100 H24 <b>CDR1</b> FL 110 – FL 660 Mon 2300 (2200) – Tue 0700 (0600) Tue 2300 (2200) – Wed 0700 (0600) Wed 2300 (2200) – Thu 0700 (0600) Thu 2300 (2200) – Fri 0700 (0600) Fri 1700 (1600) – Mon 0700 (0600) legal holidays Outside these times not available.	Karlsruhe UAC Langen ACC
△ RUDOT N 49 59 36 E 006 54 16							
	351.0 171.0	6.2	FL 245 7000 ft MSL	↑	↓		Langen ACC
△ ODVUX N 50 05 43 E 006 52 46							
	351.0 171.0	7.7	FL 245 7000 ft MSL	↑	↓		Langen ACC
△ ROPUV N 50 13 19 E 006 50 54							
	351.0 171.0	13.1	FL 245 7000 ft MSL	↑	↓		Langen ACC
△ RASVO N 50 26 17 E 006 47 42							
	351.0 171.0	10.4	FL 245 7000 ft MSL	↑	↓		Langen ACC
△ ERUKI N 50 36 30 E 006 45 09							
	351.0 170.9	14.1	FL 245 7000 ft MSL	↑	↓		Langen ACC
△ NÖRVENICH VORTAC (NOR) N 50 50 26 E 006 41 39							
<b>Q762</b>							
△ BADLI N 49 03 49 E 008 26 51							
	324.1 143.9	17.1	FL 105 6000 ft MSL	↓	↑	<b>CDR1</b> FL 100 H24	Langen ACC
△ MANEM N 49 17 40 E 008 11 30							
	326.0 145.8	11.6	FL 105 6000 ft MSL	↓	↑	<b>CDR1</b> FL 100 H24	Langen ACC

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1	2	3	4	5		6	7
△ XIDOD N 49 27 16 E 008 01 33							
	332.1 152.0	7.6	FL 105 6000 ft MSL	↓	↑	CDR1 FL 100 H24	Langen ACC
△ BOLKI N 49 33 59 E 007 56 07							
	314.9 134.7	14.4	FL 105 6000 ft MSL	↓	↑	CDR1 FL 100 H24	Langen ACC
△ OLGAD N 49 44 06 E 007 40 25							
	314.5 134.5	3.7	FL 105 6000 ft MSL	↓	↑	CDR1 FL 100 H24	Langen ACC
△ OLIVI N 49 46 42 E 007 36 20							
	310.4 130.2	14.0	FL 105 6000 ft MSL	↓	↑	CDR1 FL 100 H24	Langen ACC
△ ABSIX N 49 55 46 E 007 19 49							
	283.2 103.1	5.3	FL 105 6000 ft MSL	↓	↑		Langen ACC
△ SOMIM N 49 56 58 E 007 11 51							
	283.2 103.0	11.7	FL 105 6000 ft MSL	↓	↑		Langen ACC
△ RUDOT N 49 59 36 E 006 54 16							
	286.2	20.0	FL 245 6000 ft MSL	↓			Langen ACC
△ LULAT N 50 05 07 E 006 24 24							
<b>Q763</b>							
△ MAPIG N 49 26 53 E 007 02 22							
	288.7 108.3	23.5	FL 105 6000 ft MSL	↑	↓	CDR1 FL 100 H24	Langen ACC
△ DISKI N 49 34 20 E 006 28 14							
	298.0 117.8	8.3	FL 105 6000 ft MSL	↑	↓		Langen ACC
△ LIMGO N 49 38 14 E 006 16 54							
<b>Q800</b>							
To avoid ED-D 47 expect TEMPO vectoring by ATC (via BAKLI).							
△ BILRA (FIR BDRY) N 54 46 29 E 014 20 20							
	250.8 070.3	21.0	FL 660 4000 ft MSL	↑	↓		Bremen ACC Karlsruhe UAC
△ ASDIN N 54 39 30 E 013 46 07							
	257.8 077.4	16.7	FL 660 4000 ft MSL	↑	↓	CDR1 FL 230 – FL 660 H24 See ENR 5.1 MVPA North-East. To avoid Military Exercise Areas expect TEMPO vectoring by ATC (via SULIV). Route extension: MAX 5 NM. CDR1 FL 100 – FL 220 H24 See ENR 5.1 MVPA North-East. To avoid Military Exercise Areas expect TEMPO vectoring by ATC (via RAMUX - BANKU). Route extension: MAX 10 NM.	Bremen ACC Karlsruhe UAC

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1	2	3	4	5		6	7
△ NONSA N 54 35 55 E 013 18 01							
	241.9 061.1	40.8	FL 660 4000 ft MSL	↑	↓	<b>CDR1</b> FL 230 – FL 660 H24 See ENR 5.1 MVPA North-East. To avoid Military Exercise Areas expect TEMPO vectoring by ATC (via SULIV). Route extension: MAX 5 NM. <b>CDR1</b> FL 100 – FL 220 H24 See ENR 5.1 MVPA North-East. To avoid Military Exercise Areas expect TEMPO vectoring by ATC (via RAMUX - BANKU). Route extension: MAX 10 NM.	Bremen ACC Karlsruhe UAC
△ GASBO N 54 16 29 E 012 16 36							
	242.8 060.2	8.0	FL 660 4000 ft MSL	↑	↓	<b>CDR1</b> FL 230 – FL 660 H24 See ENR 5.1 MVPA North-East. To avoid Military Exercise Areas expect TEMPO vectoring by ATC (via SULIV). Route extension: MAX 5 NM. <b>CDR1</b> FL 100 – FL 220 H24 See ENR 5.1 MVPA North-East. To avoid Military Exercise Areas expect TEMPO vectoring by ATC (via RAMUX - BANKU). Route extension: MAX 10 NM.	Bremen ACC Karlsruhe UAC
△ ROSOK N 54 12 36 E 012 04 36							
	252.6 071.9	32.0	FL 245 4000 ft MSL	↑	↓		Bremen ACC
△ OLUBI N 54 02 51 E 011 12 52							
	251.9 071.4	20.4	FL 245 4000 ft MSL	↑	↓		Bremen ACC
△ LÜBECK DVOR (LUB) N 53 56 27 E 010 40 04							
	323.9 143.7	10.1	FL 245 4000 ft MSL	↑	↓		Bremen ACC
△ NIGAD N 54 04 34 E 010 29 58							
	323.7	22.4	FL 245 4000 ft MSL		↓		Bremen ACC
△ KIEL-HOLTENAU NDB (KIL) N 54 22 39 E 010 07 12							
	130.8	11.9	FL 245 4000 ft MSL		↑		Bremen ACC
△ EKERN N 54 30 21 E 009 51 50							