

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>L23</b>							
△ <i>BINKA (FIR BDRY)</i> N 53 45 34 E 014 16 32							
	270.8 090.4	17.1	FL 245 4000 ft MSL	↑	↓		Bremen ACC
△ <b>TORLO</b> N 53 45 44 E 013 47 48							
	270.3 090.2	3.3	FL 245 4000 ft MSL	↑	↓	<b>CDR1</b> FL 100 – FL 245 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 1600 (1500) – Mon 0700 (0600) legal holidays <b>CDR2</b> FL 100 – FL 245 other times See ENR 5.1 MVPA North-East. To avoid Military Exercise Areas expect TEMPO vectoring by ATC. Route extension: MAX 50 NM	Bremen ACC
△ <b>UDAXI</b> N 53 45 45 E 013 42 15							
	270.2 090.1	5.0	FL 245 4000 ft MSL	↑	↓	<b>CDR1</b> FL 100 – FL 245 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 1600 (1500) – Mon 0700 (0600) legal holidays <b>CDR2</b> FL 100 – FL 245 other times See ENR 5.1 MVPA North-East. To avoid Military Exercise Areas expect TEMPO vectoring by ATC. Route extension: MAX 50 NM	Bremen ACC
△ <b>FRIEDLAND DVOR/DME (FLD)</b> N 53 45 46 E 013 33 47							
	269.0 089.0	2.9	FL 245 4000 ft MSL	↑	↓	<b>CDR1</b> FL 100 – FL 245 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 1600 (1500) – Mon 0700 (0600) legal holidays <b>CDR2</b> FL 100 – FL 245 other times See ENR 5.1 MVPA North-East. To avoid Military Exercise Areas expect TEMPO vectoring by ATC. Route extension: MAX 50 NM	Bremen ACC
△ <b>GEVNI</b> N 53 45 43 E 013 28 53							
	269.1 088.5	24.6	FL 245 4000 ft MSL	↑	↓	<b>CDR1</b> FL 100 – FL 245 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 1600 (1500) – Mon 0700 (0600) legal holidays <b>CDR2</b> FL 100 – FL 245 other times See ENR 5.1 MVPA North-East. To avoid Military Exercise Areas expect TEMPO vectoring by ATC. Route extension: MAX 50 NM	Bremen ACC

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
△ LEGSA N 53 45 12 E 012 47 23							
	268.8 088.5	11.4	FL 245 4000 ft MSL	↑	↓	<b>CDR1</b> FL 100 – FL 245 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 1600 (1500) – Mon 0700 (0600) legal holidays <b>CDR2</b> FL 100 – FL 245 other times See ENR 5.1 MVPA North-East. To avoid Military Exercise Areas expect TEMPO vectoring by ATC. Route extension: MAX 50 NM	Bremen ACC
△ KUBAB N 53 44 56 E 012 28 12							
	268.1 087.6	22.7	FL 245 4000 ft MSL	↑	↓	<b>CDR1</b> FL 100 – FL 245 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 1600 (1500) – Mon 0700 (0600) legal holidays <b>CDR2</b> FL 100 – FL 245 other times See ENR 5.1 MVPA North-East. To avoid Military Exercise Areas expect TEMPO vectoring by ATC. Route extension: MAX 50 NM	Bremen ACC
△ TAGOB N 53 44 05 E 011 49 59							
	267.9 087.6	13.0	FL 245 4000 ft MSL	↑	↓		Bremen ACC
△ BERIM N 53 43 34 E 011 28 04							
	267.4 087.0	18.9	FL 245 4000 ft MSL	↑	↓		Bremen ACC
△ RAMAR N 53 42 39 E 010 56 20							
	266.9 086.3	26.2	FL 245 4000 ft MSL	↑	↓		Bremen ACC
△ HAMBURG DVORTAC (HAM) N 53 41 08 E 010 12 18							
	247.5 066.9	24.8	FL 245 4000 ft MSL	↑	↓		Bremen ACC
△ ESTAD N 53 31 31 E 009 33 53							
	246.9 066.8	4.6	FL 245 4000 ft MSL	↑	↓		Bremen ACC
△ STADE N 53 29 43 E 009 26 49							
	246.8 066.3	22.4	FL 245 4000 ft MSL	↑	↓		Bremen ACC
△ WESER NDB (WSN) N 53 20 50 E 008 52 29							
	204.8 024.7	8.9	FL 245 4000 ft MSL	↑	↓		Bremen ACC
△ GIBMA N 53 12 47 E 008 46 17							

<b>L132</b>	In case of activation of ED-R 138 expect re-routing by ATC.						
△ MAISACH DVOR/DME (MAH) N 48 15 48 E 011 18 43							
	043.9	23.3	FL 245 5000 ft MSL		↓		München ACC
△ LASMI N 48 32 30 E 011 43 00							
	043.9	28.8	FL 245 5000 ft MSL		↓		München ACC
△ MAMOR N 48 53 09 E 012 13 20							
	024.8	29.8	FL 245 5500 ft MSL		↓		München ACC

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
△ RUDNO N 49 20 09 E 012 32 29							
	011.6	14.2	FL 245 6000 ft MSL		↓		München ACC
△ AGNAV N 49 34 05 E 012 36 52							
					↓	Between AGNAV and KILNU see AIP Czech Republic.	
△ BEKTO N 49 57 57 E 012 42 43							
					↓	Between AGNAV and KILNU see AIP Czech Republic.	
△ SUPIL N 50 22 24 E 012 48 49							
					↓	Between AGNAV and KILNU see AIP Czech Republic.	
△ KILNU N 50 28 37 E 012 54 42							
	031.2	10.7	FL 245 7000 ft MSL		↓		München ACC
△ ABKIS N 50 37 47 E 013 03 26							
	026.5	22.5	FL 245 FL 175		↓		München ACC
△ EKPEK N 50 57 52 E 013 19 17							
	011.2	8.8	FL 245 FL 175		↓		München ACC
△ RIVSA N 51 06 31 E 013 22 00							
	009.5	23.8	FL 245 FL 175		↓		München ACC
△ OGSEN N 51 29 59 E 013 28 18							
	011.8	11.2	FL 245 FL 175		↓		Bremen ACC München ACC
△ DOBUR N 51 41 53 E 013 32 06							
	011.8	26.3	FL 245 FL 175		↓		Bremen ACC
△ PEPOL N 52 07 34 E 013 40 57							
	011.8	8.8	FL 245 FL 175		↓		Bremen ACC
△ SONUD N 52 16 11 E 013 43 57							
	011.8	39.7	FL 245 FL 175		↓		Bremen ACC
△ RENKI N 52 54 53 E 013 57 42							
	036.6	27.1	FL 245 4000 ft MSL	↓			Bremen ACC
△ BODLA (FIR BDRY) N 53 16 33 E 014 24 36							

<b>L173</b>							
△ SALZBURG DVOR/DME (SBG) N 48 00 09 E 012 53 34							
	284.3 103.5	13.9	FL 245 6000 ft MSL	↑	↓		München ACC
△ TITIG N 48 03 32 E 012 33 34							
	289.4 109.3	6.9	FL 245 6000 ft MSL	↑	↓		München ACC
△ AMDID N 48 05 50 E 012 23 49							
	289.3 109.1	11.5	FL 245 6000 ft MSL	↑	↓		München ACC
△ EBEDA N 48 09 37 E 012 07 37							
	275.6 095.4	12.5	FL 245 6000 ft MSL	↑	↓		München ACC
△ MÜNCHEN VOR/DME (MUN) N 48 10 49 E 011 48 58							
	284.0 103.7	20.8	FL 245 4000 ft MSL	↑	↓		München ACC

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
△ MAISACH DVOR/DME (MAH) N 48 15 48 E 011 18 43							
	314.2	19.9	FL 245 FL 195		↓		München ACC
△ LELTA N 48 29 35 E 010 57 19							
	313.3	8.4	FL 245 FL 195		↓		München ACC
△ RIDAR N 48 35 18 E 010 48 10							
	313.6	6.0	FL 245 4000 ft MSL		↓		München ACC
△ REDVO N 48 39 27 E 010 41 36							
	313.6	6.6	FL 245 4000 ft MSL		↓		München ACC
△ DODIL N 48 43 57 E 010 34 25							
	314.0	8.5	FL 245 5000 ft MSL		↓		München ACC
△ RIXED N 48 49 46 E 010 25 07							
	277.1 096.3	12.5	FL 235 6000 ft MSL	↑	↓	CDR1 FL 220 – FL 245 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 1100 (1000) – Mon 0700 (0600) legal holidays CDR2 FL 220 – FL 245 other times	München ACC
△ ABTAL N 48 51 17 E 010 06 25							
	277.1 096.3	14.3	FL 235 6000 ft MSL	↑	↓	CDR1 FL 220 – FL 245 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 1100 (1000) – Mon 0700 (0600) legal holidays CDR2 FL 220 – FL 245 other times	Langen ACC München ACC
△ GUPIN N 48 52 57 E 009 44 53							
	277.1 096.3	16.3	FL 235 6000 ft MSL	↑	↓		Langen ACC
△ LUBURG VOR/DME (LBU) N 48 54 47 E 009 20 25							
<b>L174</b>							
△ KIRDI N 48 12 28 E 012 49 18							
	088.1	27.2	FL 245 5000 ft MSL	↓			München ACC
△ VELOM N 48 13 16 E 013 29 58							
<b>L175</b>							
△ LAMSI N 48 39 12 E 013 35 00							
	097.4	38.5	FL 245 9000 ft MSL	↓			München ACC
△ VENEN N 48 34 00 E 014 32 29							
<b>L179</b>							
△ DIBIR (FIR BDRY) N 51 16 37 E 006 07 28							
	037.6 218.0	13.7	FL 185 3500 ft MSL	↓	↑		Langen ACC

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
△ VEBAK N 51 27 29 E 006 20 53							
	053.2	5.4	FL 245 3500 ft MSL	↓			Langen ACC
△ ABODU N 51 30 41 E 006 27 45							
	053.2	5.7	FL 245 3500 ft MSL	↓			Langen ACC
△ SUMOP N 51 34 04 E 006 35 01							
	053.3	5.3	FL 245 3500 ft MSL	↓			Langen ACC
△ ERKUM N 51 37 12 E 006 41 47							
	053.5	8.8	FL 245 3500 ft MSL	↓			Langen ACC
△ LUSIX N 51 42 25 E 006 53 06							
	053.6	15.0	FL 660 3500 ft MSL	↓			Langen ACC Maastricht UAC
△ MEVEL N 51 51 17 E 007 12 34							
	061.7 243.0	11.4	FL 660 4500 ft MSL	↓	↑		Langen ACC Maastricht UAC
△ MISRI N 51 56 36 E 007 28 53							
	061.7 243.0	33.5	FL 660 4500 ft MSL	↓	↑		Bremen ACC Maastricht UAC
△ OSNABRÜCK DVOR (OSN) N 52 12 00 E 008 17 08							

<b>L602</b>	In case of activation ED-R 95 expect re-routing by ATC.						
△ VARIK N 50 17 28 E 012 22 52							
	294.8	7.7	FL 245 5000 ft MSL		↓		München ACC
△ PEROX N 50 20 41 E 012 11 58							
	296.9	16.0	FL 245 5000 ft MSL		↓		München ACC
△ SODRO N 50 27 53 E 011 49 38							
	296.5 116.3	12.7	FL 245 5000 ft MSL	↑	↓		München ACC
△ TABAT N 50 33 31 E 011 31 53							
	296.4	14.9	FL 245 5000 ft MSL		↓		München ACC
△ NARUS N 50 40 06 E 011 10 54							
	296.1	6.8	FL 245 5000 ft MSL		↓		München ACC
△ BAMKI N 50 43 05 E 011 01 13							
	296.1	12.3	FL 245 5000 ft MSL		↓		München ACC
△ TAMEB N 50 48 28 E 010 43 48							
	295.8	12.4	FL 245 5000 ft MSL		↓		München ACC
△ ROBEL N 50 53 51 E 010 26 06							
<b>Between ROBEL and HMM not available</b>							
△ HAMM DVOR/DME (HMM) N 51 51 25 E 007 42 30							
	295.7	30.3	FL 245 4000 ft MSL		↓		Langen ACC
△ REBGU N 52 04 25 E 006 58 14							
	294.9	6.4	FL 245 4000 ft MSL		↓		Langen ACC
△ RELBI (FIR BDRY) N 52 07 06 E 006 48 49							

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
L603	Beyond FIR boundary, route minimum is in accordance with the publication in AIP Austria.						
△ DEGOM N 51 09 51 E 007 40 26							
	142.3	24.8	FL 245 FL 205	↓			Langen ACC
△ KUMIK N 50 50 12 E 008 04 24							
	123.6	15.3	FL 245 6000 ft MSL	↓			Langen ACC
△ BIGSU N 50 41 42 E 008 24 29							
	151.7	17.1	FL 245 6000 ft MSL	↓			Langen ACC
△ TESGA N 50 26 42 E 008 37 08							
	163.2	24.3	FL 245 6000 ft MSL (FL140)	↓			Langen ACC
△ BOMBI N 50 03 24 E 008 48 01							
	158.9	8.6	FL 245 5000 ft MSL (FL140)	↓			Langen ACC
△ KOSEK N 49 55 22 E 008 52 50							
	131.5	15.9	FL 245 5000 ft MSL (FL120)	↓			Langen ACC
△ AKONI N 49 44 48 E 009 11 15							
	103.9	4.7	FL 245 5000 ft MSL	↓			Langen ACC
△ SUPIX N 49 43 40 E 009 18 19							
	104.1	8.5	FL 245 5000 ft MSL	↓			Langen ACC
△ RATIM N 49 41 35 E 009 31 00							
	128.6 309.1	30.3	FL 245 5000 ft MSL	↓	↑		Langen ACC
△ TAKUT N 49 22 34 E 010 07 15							
	129.1 309.3	13.3	FL 245 5000 ft MSL	↓	↑		Langen ACC
△ DINKU N 49 14 10 E 010 22 59							
	135.7 315.8	8.6	FL 245 5500 ft MSL	↓	↑		Langen ACC
△ BEMBO N 49 08 03 E 010 32 05							
	135.8 315.9	7.0	FL 245 5500 ft MSL	↓	↑		München ACC
△ AKANU N 49 03 03 E 010 39 29							
	135.9	10.7	FL 245 5500 ft MSL	↓			München ACC
△ LUPOX N 48 55 20 E 010 50 49							
	136.0	12.3	FL 245 5500 ft MSL	↓			München ACC
△ RENLO N 48 46 30 E 011 03 43							
	136.2	10.9	FL 245 5500 ft MSL	↓			München ACC
△ BESNI N 48 38 37 E 011 15 06							
	126.8	17.7	FL 245 5000 ft MSL	↓			München ACC
△ OLETU N 48 28 01 E 011 36 21							
	131.2	27.8	FL 245 5500 ft MSL	↓			München ACC
△ EBEDA N 48 09 37 E 012 07 37							
	136.6	15.1	FL 245 5500 ft MSL	↓			München ACC

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1	2	3	4	5	6	7
△ ROTAX N 47 58 39 E 012 23 03						
	136.8	12.8	FL 245 5500 ft MSL	↓		München ACC
△ UNKEN N 47 49 18 E 012 36 04						
	134.8	11.7	FL 245 13000 ft MSL	↓		München ACC
△ LATLO N 47 41 02 E 012 48 24						
	134.9	30.2	FL 245 FL 135	↓		München ACC
△ OBEDI N 47 19 40 E 013 19 47						

<b>L604</b>	1. During military flight activities within ED-R 136, expect re-routing by ATC via RODIS - EXITI - ANELA. 2. The following segments are not available daily from 0600 (0500) until 2100 (2000): - GORKO and GASKA between FL180 and FL210 - GASKA and MASEK between FL110 and FL210.					
△ LINZ DVOR/DME (LNZ) N 48 13 47 E 014 06 11						
	321.0 140.7	23.1	FL 245 6000 ft MSL	↑	↓	München ACC
△ PABSA N 48 31 42 E 013 44 17						
	321.0 140.3	9.7	FL 245 8000 ft MSL	↑	↓	München ACC
△ LAMSI N 48 39 12 E 013 35 00						
	315.3 134.5	19.2	FL 245 8000 ft MSL	↑	↓	München ACC
△ LALIN N 48 52 48 E 013 14 32						
	315.3 134.5	38.9	FL 245 8000 ft MSL	↑	↓	München ACC
△ RUDNO N 49 20 09 E 012 32 29						
	290.0 110.0	24.6	FL 245 6000 ft MSL	↑	↓	CDR1 FL 100 – FL 245 H24 In case of activation of ED-R TRA 210 Sector A, expect re-routing by ATC. München ACC
△ RODIS N 49 28 28 E 011 56 59						
	290.0 110.0	16.7	FL 245 6000 ft MSL	↑	↓	CDR1 FL 100 – FL 245 H24 In case of activation of ED-R TRA 210 Sector A, expect re-routing by ATC. München ACC
△ MOOCE N 49 33 59 E 011 32 48						
	314.2 133.0	7.6	FL 245 5500 ft MSL	↑	↓	München ACC
△ EKSOS N 49 39 15 E 011 24 27						
	314.2 133.0	9.9	FL 245 5500 ft MSL	↑	↓	München ACC
△ ANELA N 49 46 08 E 011 13 29						
	314.2	9.6	FL 245 5000 ft MSL		↓	München ACC
△ BAMAS N 49 52 48 E 011 02 45						
	314.2	17.0	FL 245 5000 ft MSL		↓	München ACC
△ SULUS N 50 04 31 E 010 43 44						
	314.2	13.0	FL 245 6500 ft MSL		↓	München ACC
△ GORKO N 50 13 28 E 010 29 02						
	314.2	11.0	FL 245 6500 ft MSL		↓	München ACC
△ GASKA N 50 21 07 E 010 16 43						
	312.7	7.4	FL 245 6500 ft MSL		↓	Langen ACC

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1	2	3	4	5		6	7
△ BIBEG N 50 26 06 E 010 08 13							
	312.6	9.4	FL 245 6500 ft MSL		↓		Langen ACC
△ DEMAB N 50 32 28 E 009 57 21							
	309.7 129.6	11.6	FL 245 6500 ft MSL	↑	↓		Langen ACC
△ OBISI N 50 39 50 E 009 43 23							
	309.6 129.5	6.2	FL 245 6500 ft MSL	↑	↓		Langen ACC
△ MASEK N 50 43 45 E 009 35 54							

<b>L605</b>							
△ BESNI N 48 38 37 E 011 15 06							
	107.6	14.5	FL 245 4000 ft MSL	↓			München ACC
△ MIKE NDB (MIQ) N 48 34 13 E 011 35 51							
	102.3 283.2	36.1	FL 245 5000 ft MSL	↓	↑		München ACC
△ DOSEL N 48 26 19 E 012 28 51							
	102.3 283.2	11.0	FL 245 5000 ft MSL	↓	↑		München ACC
△ BIBAG N 48 23 49 E 012 44 59							
	109.1	18.3	FL 245 5000 ft MSL	↓			München ACC
△ ESEGA N 48 17 47 E 013 10 53							
	109.4	13.5	FL 245 5000 ft MSL	↓			München ACC
△ VELOM N 48 13 16 E 013 29 58							

<b>L607</b>							
△ SUXIM (FIR BDRY) N 50 16 58 E 006 17 19							
	099.4	21.9	FL 245 6000 ft MSL	↓			Langen ACC
△ ROPUV N 50 13 19 E 006 50 54							
	094.6	18.6	FL 660 6000 ft MSL	↓			Karlsruhe UAC Langen ACC
△ EMGOD N 50 11 47 E 007 19 44							
	108.1	23.5	FL 660 6000 ft MSL (FL140)	↓			Karlsruhe UAC Langen ACC
△ UBIDU N 50 04 24 E 007 54 23							
	103.0	6.8	FL 660 6000 ft MSL (FL140)	↓			Karlsruhe UAC Langen ACC
△ RUDUS N 50 02 51 E 008 04 42							

<b>L608</b>							
△ ERKIR N 47 32 16 E 012 00 32							
	281.8	25.3	FL 245 11000 ft MSL		↓		München ACC
△ KOGOL N 47 37 20 E 011 23 59							
	280.3	43.2	FL 245 11000 ft MSL		↓		München ACC
△ KEMPTEN DVOR/DME (KPT) N 47 44 45 E 010 20 59							

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1	2	3	4	5		6	7
<b>L610</b>							
△ FREISTADT DVOR/DME (FRE) N 48 25 54 E 014 07 47							
	290.5	16.7	FL 245 6000 ft MSL		↓		München ACC
△ PABSA N 48 31 42 E 013 44 17							
	290.5	9.9	FL 245 6500 ft MSL		↓		München ACC
△ RENKA N 48 35 05 E 013 30 19							
	290.5	18.2	FL 245 5000 ft MSL		↓		München ACC
△ GONBA N 48 41 16 E 013 04 33							
	290.5	17.6	FL 245 4500 ft MSL		↓		München ACC
△ STAUB N 48 47 09 E 012 39 29							
	290.5 109.9	18.3	FL 245 4500 ft MSL	↑	↓		München ACC
△ MAMOR N 48 53 09 E 012 13 20							
	296.9 116.3	33.7	FL 245 5000 ft MSL	↑	↓	<b>CDR1</b> FL 80 – FL 150 H24 In case of activation of ED-R 144 and/or ED- R TRA 210 sector B, expect re-routing by ATC	München ACC
△ UNKUL N 49 08 14 E 011 27 35							
	296.9 116.3	10.5	FL 245 5000 ft MSL	↑	↓	<b>CDR1</b> FL 80 – FL 150 H24 In case of activation of ED-R 144 and/or ED- R TRA 210 sector B, expect re-routing by ATC	München ACC
△ UPALA N 49 12 52 E 011 13 17							
	313.8	15.1	FL 245 5000 ft MSL		↓		München ACC
△ INBED N 49 23 15 E 010 56 30							
	325.3	8.9	FL 245 5000 ft MSL		↓		München ACC
△ AMOSA N 49 30 34 E 010 48 41							
	325.2	17.2	FL 245 5000 ft MSL		↓		Langen ACC
△ IBAGA N 49 44 39 E 010 33 35							
	328.2	12.6	FL 245 5000 ft MSL		↓		Langen ACC
△ BARSU N 49 55 18 E 010 23 22							
	328.1	10.7	FL 245 5000 ft MSL		↓		Langen ACC
△ KOMIB N 50 04 24 E 010 14 34							
	349.4	18.1	FL 245 5500 ft MSL		↓		Langen ACC
△ TUSOS N 50 22 08 E 010 09 22							
	349.3	4.0	FL 245 5500 ft MSL		↓		Langen ACC
△ BIBEG N 50 26 06 E 010 08 13							

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
L619							
△ HELGOLAND VOR/DME (DHE) N 54 11 08 E 007 54 39							
	117.4 297.8	16.3	FL 245 3000 ft MSL	↓	↑	Between DHE and GOLEN between 5500 ft MSL and FL245 this ATS route crosses a danger area over the North Sea. IFR traffic on this route is given priority over and separation from military traffic within this danger area. <b>CDR1</b> 50 ft – FL 70 3000 ft – FL 70 H24 <b>CDR1</b> FL 80 – FL 245 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 1100 (1000) – Mon 0700 (0600) legal holidays <b>CDR2</b> FL 80 – FL 245 other times	Bremen ACC
△ GOLEN N 54 03 35 E 008 19 15							
	117.8 298.4	29.4	FL 245 3000 ft MSL	↓	↑	<b>CDR1</b> 50 ft – FL 70 3000 ft – FL 70 H24 <b>CDR1</b> FL 80 – FL 245 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 1100 (1000) – Mon 0700 (0600) legal holidays <b>CDR2</b> FL 80 – FL 245 other times	Bremen ACC
△ OSTOR N 53 49 46 E 009 03 10							
	119.3 299.7	21.6	FL 245 3000 ft MSL	↓	↑	<b>CDR1</b> 50 ft – FL 70 3000 ft – FL 70 H24 <b>CDR1</b> FL 80 – FL 245 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 1100 (1000) – Mon 0700 (0600) legal holidays <b>CDR2</b> FL 80 – FL 245 other times	Bremen ACC
△ ELBE VOR/DME (LBV) N 53 39 09 E 009 34 46							
	116.3 296.8	23.1	FL 245 2000 ft MSL	↓	↑		Bremen ACC
△ SUBIG N 53 28 50 E 010 09 27							
	117.2 298.7	6.6	FL 245 2000 ft MSL	↓	↑		Bremen ACC
△ AMLUH N 53 25 44 E 010 19 21							
	117.2 298.7	23.0	FL 245 4000 ft MSL	↓	↑		Bremen ACC
△ IRKIS N 53 14 56 E 010 53 19							
	118.3 298.6	16.3	FL 245 4000 ft MSL (FL80)	↓	↑		Bremen ACC

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
△ BUMIL N 53 07 12 E 011 17 10							
	118.3 298.5	10.7	FL 245 4000 ft MSL (FL80)	↓	↑		Bremen ACC
△ BRÜNKENDORF DVOR/DME (BKD) N 53 02 04 E 011 32 46							
	105.4 285.7	10.0	FL 245 4000 ft MSL	↓	↑		Bremen ACC
△ PITEN N 52 59 24 E 011 48 41							
	092.5 274.4	19.1	FL 245 4000 ft MSL	↓	↑		Bremen ACC
△ VIBIS N 52 58 31 E 012 20 19							
	092.5 274.4	17.9	FL 245 4000 ft MSL	↓	↑		Bremen ACC
△ PODUS N 52 57 33 E 012 49 50							
	092.5 274.4	10.0	FL 245 4000 ft MSL	↓	↑		Bremen ACC
△ RADEL N 52 56 58 E 013 06 19							
	093.5 273.6	5.9	FL 245 4000 ft MSL	↓	↑		Bremen ACC
△ TABOK N 52 56 36 E 013 16 05							
	093.7 274.0	14.1	FL 245 4000 ft MSL	↓	↑		Bremen ACC
△ KETAP N 52 55 40 E 013 39 18							
	093.9 274.2	11.2	FL 245 4000 ft MSL	↓	↑		Bremen ACC
△ RENKI N 52 54 53 E 013 57 42							
	092.5 274.4	7.1	FL 245 4000 ft MSL	↓	↑		Bremen ACC
△ ERGON (FIR BDRY) N 52 54 22 E 014 09 24							

<b>L620</b>	For continuation see AIP Czech Republic.						
△ SONEB (FIR BDRY) N 52 01 25 E 006 45 51							
	104.2	10.3	FL 245 5000 ft MSL	↓			Langen ACC
△ OLDOD N 51 58 52 E 007 02 01							
	104.5	2.9	FL 245 5000 ft MSL	↓			Langen ACC
△ SUVOX N 51 58 09 E 007 06 29							
	106.6	23.3	FL 245 5000 ft MSL	↓			Langen ACC
△ HAMM DVOR/DME (HMM) N 51 51 25 E 007 42 30							
	103.0	23.7	FL 245 5000 ft MSL	↓			Langen ACC
△ EXOBA N 51 46 02 E 008 19 37							
<b>Between EXOBA and NOMKA not available</b>							
△ NOMKA N 51 26 52 E 010 30 07							
	104.1	16.6	FL 245 5000 ft MSL	↓			München ACC
△ BIRKA N 51 22 46 E 010 55 54							
	104.5	13.2	FL 245 5000 ft MSL	↓			München ACC
△ IXUVU N 51 19 26 E 011 16 20							
	104.6	7.4	FL 245 5000 ft MSL	↓			München ACC
△ SUVUT N 51 17 34 E 011 27 41							
	105.1	3.6	FL 245 5000 ft MSL	↓			München ACC

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
△ SOPLA N 51 16 38 E 011 33 11							
	104.9	15.4	FL 245 5000 ft MSL	↓			München ACC
△ NOTGO N 51 12 38 E 011 56 48							
	105.2	11.1	FL 245 5000 ft MSL	↓			München ACC
△ SULED N 51 09 43 E 012 13 48							
	105.6	43.0	FL 245 5000 ft MSL	↓		<b>CDR1</b> FL 110 – FL 245 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 1100 (1000) – Mon 0700 (0600) legal holidays <b>CDR2</b> FL 110 – FL 245 other times ALTN route: Z21	München ACC
△ EKPEK N 50 57 52 E 013 19 17							
	105.6	6.5	FL 245 5000 ft MSL	↓			München ACC
△ BESIP N 50 56 07 E 013 29 07							
	106.5	8.9	FL 245 5000 ft MSL	↓			München ACC
△ PIKIB N 50 53 36 E 013 42 33							
	106.6	11.6	FL 245 5000 ft MSL	↓			München ACC
△ OMELO (FIR BDRY) N 50 50 16 E 014 00 03							

<b>L725</b>	For continuation see AIP Austria.						
△ BADVI N 47 43 52 E 011 56 43							
	078.2	27.1	FL 245 9000 ft MSL	↓			München ACC
△ UNKEN N 47 49 18 E 012 36 04							
	078.8	17.1	FL 245 5000 ft MSL (FL120)	↓			München ACC
△ MORED N 47 52 35 E 013 00 56							

<b>L856</b>	Eastbound available only at FL120 and below.						
△ SALZBURG DVOR/DME (SBG) N 48 00 09 E 012 53 34							
	262.4 080.5	12.4	FL 245 6000 ft MSL	↑	↓		München ACC
△ TRAUN N 47 58 29 E 012 35 15							
	262.2 081.6	32.1	FL 245 7000 ft MSL	↑	↓		München ACC
△ MANAL N 47 53 58 E 011 48 00							
	261.6 081.3	17.6	FL 245 7000 ft MSL	↑	↓	Between KPT and MANAL, flights at FL100 or below have to expect rerouting by ATC during times of activity within ED-R 141.	München ACC
△ KONIN N 47 51 21 E 011 22 05							
	261.3 081.1	11.1	FL 245 7000 ft MSL	↑	↓	Between KPT and MANAL, flights at FL100 or below have to expect rerouting by ATC during times of activity within ED-R 141.	München ACC
△ XATER N 47 49 39 E 011 05 45							
	261.0 080.5	30.6	FL 245 7000 ft MSL	↑	↓	Between KPT and MANAL, flights at FL100 or below have to expect rerouting by ATC during times of activity within ED-R 141.	München ACC

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
△ KEMPTEN DVOR/DME (KPT) N 47 44 45 E 010 20 59							
	268.2	27.6	FL 245 7000 ft MSL		↓		München ACC
△ RAVED N 47 43 45 E 009 40 10							
	268.2	4.8	FL 245 7000 ft MSL		↓		München ACC
△ ETOXU N 47 43 33 E 009 33 02							
	268.2	5.0	FL 245 7000 ft MSL		↓		München ACC
△ NEGRA N 47 43 20 E 009 25 38							
	268.2	7.9	FL 245 7000 ft MSL		↓		München ACC
△ AKABI (FIR BDRY) N 47 43 01 E 009 14 00							

<b>L980</b>	Beyond AMSAN FL140 and FL160 by ATC only.						
△ HEHLINGEN DVOR/DME (HLZ) N 52 21 48 E 010 47 43							
	258.9 078.2	34.3	FL 245 4500 ft MSL	↑	↓		Bremen ACC
△ LEINE DVOR/DME (DLE) N 52 15 01 E 009 53 01							
	267.7 087.2	22.7	FL 245 4500 ft MSL	↑	↓		Bremen ACC
△ ROBEG N 52 14 01 E 009 16 11							
	267.3 087.0	11.0	FL 245 4500 ft MSL	↑	↓		Bremen ACC
△ BADMU N 52 13 28 E 008 58 15							
	267.0 086.5	19.3	FL 245 4500 ft MSL	↑	↓		Bremen ACC
△ MOBSA N 52 12 23 E 008 26 58							
	266.6 086.4	6.1	FL 245 4500 ft MSL	↑	↓		Bremen ACC
△ OSNABRÜCK DVOR (OSN) N 52 12 00 E 008 17 08							
	266.5	43.5	FL 245 6000 ft MSL		↓		Langen ACC
△ AMSAN N 52 09 01 E 007 06 41							
	265.4	8.8	FL 245 6000 ft MSL		↓		Langen ACC
△ ETEBO (FIR BDRY) N 52 08 18 E 006 52 31							

<b>L984</b>							
△ RUDUS N 50 02 51 E 008 04 42							
	088.8	17.6	FL 245 5000 ft MSL (FL140)	↓			Langen ACC
△ ASKIK N 50 03 10 E 008 32 01							
	089.1 269.2	4.0	FL 245 5000 ft MSL (FL140)	↓	↑		Langen ACC
△ FRANKFURT DVORTAC (FFM) N 50 03 13 E 008 38 14							
	088.3 268.4	6.3	FL 245 5000 ft MSL (FL140)	↓	↑		Langen ACC
△ BOMBI N 50 03 24 E 008 48 01							
	088.4 268.6	8.6	FL 245 5000 ft MSL (FL140)	↓	↑		Langen ACC
△ BAMTO N 50 03 38 E 009 01 23							
	088.6 268.9	17.9	FL 245 5000 ft MSL (FL140)	↓	↑		Langen ACC

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
△ LOHRE N 50 04 01 E 009 29 11							
	089.0 269.2	11.5	FL 245 5000 ft MSL (FL140)	↓	↑		Langen ACC
△ OSBIT N 50 04 12 E 009 46 59							
	089.1 269.4	12.2	FL 245 5000 ft MSL (FL130)	↓	↑		Langen ACC
△ RASPU N 50 04 22 E 010 05 55							
	089.5 269.6	5.6	FL 245 5000 ft MSL (FL90)	↓	↑		Langen ACC
△ KOMIB N 50 04 24 E 010 14 34							
	089.5 269.9	18.8	FL 245 5000 ft MSL	↓	↑		München ACC
△ SULUS N 50 04 31 E 010 43 44							
	089.9 270.3	19.2	FL 245 5000 ft MSL	↓	↑		München ACC
△ LONLI N 50 04 29 E 011 13 35							
	090.3 270.6	15.6	FL 245 5000 ft MSL	↓	↑		München ACC
△ KULOK N 50 04 22 E 011 37 50							
	090.5 270.9	17.9	FL 245 5000 ft MSL	↓	↑		München ACC
△ ABERU N 50 04 09 E 012 05 37							
	091.0 271.2	12.1	FL 245 5000 ft MSL	↓	↑		München ACC
△ CHEB VOR/DME (OKG) N 50 03 55 E 012 24 21							

<b>L986</b>							
△ BOLBO N 51 47 41 E 013 09 04							
	284.0	26.6	FL 245 5000 ft MSL		↓		Bremen ACC
△ KOSIX N 51 53 57 E 012 27 22							
	284.0	9.7	FL 245 5000 ft MSL		↓		Bremen ACC
△ ROSNO N 51 56 11 E 012 12 12							
	284.0 104.0	15.6	FL 245 5000 ft MSL	↑	↓		Bremen ACC
△ MAGDEBURG VOR/DME (MAG) N 51 59 42 E 011 47 40							
	282.2 102.2	16.9	FL 245 5000 ft MSL	↑	↓		Bremen ACC
△ EMBOX N 52 03 27 E 011 20 59							
	282.2 102.2	19.8	FL 245 5000 ft MSL	↑	↓		Bremen ACC
△ POVEL N 52 07 42 E 010 49 40							
	282.2 102.2	35.6	FL 245 5000 ft MSL	↑	↓		Bremen ACC
△ LEINE DVOR/DME (DLE) N 52 15 01 E 009 53 01							