

WAY POINT LIST

FRANKFURT MAIN

GPS/FMS RNAV TRANSITION TO FINAL APPROACH (OVERLAY TO RADAR VECTOR PATTERN)

Route Description

CODING

DISPLAY

KERAX 07N

KERAX		N 50 28 30.00	E 009 34 55.00	N 50 28.5	E 009 34.9
GED	L	N 50 24 43.01	E 009 14 56.99	N 50 24.7	E 009 14.9
DF437	R	N 50 16 16.51	E 009 06 46.81	N 50 16.3	E 009 06.8
DF439	F080+	N 50 06 46.17	E 008 26 32.79	N 50 06.8	E 008 26.5
DF444	L	N 49 57 35.68	E 007 48 56.19	N 49 57.6	E 007 48.9
DF454	L	N 49 52 55.42	E 007 51 42.06	N 49 52.9	E 007 51.7
DF452	A5000+	N 49 55 46.15	E 008 03 17.06	N 49 55.8	E 008 03.3

FINAL APPROACH 07L [ILS Z - ILS Y]

KERAX 07S

KERAX		N 50 28 30.00	E 009 34 55.00	N 50 28.5	E 009 34.9
EBIPA	L	N 50 22 53.01	E 009 31 17.61	N 50 22.9	E 009 31.3
INBOS	R	N 49 56 06.03	E 009 37 26.97	N 49 56.1	E 009 37.4
PSA	R	N 49 51 44.07	E 009 20 53.97	N 49 51.7	E 009 20.9
DF635	L	N 49 58 56.74	E 008 43 00.98	N 49 58.9	E 008 43.0
DF636	F080+	N 49 55 36.32	E 008 29 08.06	N 49 55.6	E 008 29.1
DF644	R	N 49 47 17.60	E 007 55 01.26	N 49 47.3	E 007 55.0
DF654	R	N 49 51 57.93	E 007 52 16.05	N 49 52.0	E 007 52.3
ROBSA	A4000+	N 49 57 40.69	E 008 15 33.95	N 49 57.7	E 008 15.6

FINAL APPROACH 07R [ILS - LOC - RNAV (GPS) Z]

ROLIS 07N

ROLIS		N 50 26 06.37	E 007 49 30.55	N 50 26.1	E 007 49.5
ETARU	L	N 50 17 08.00	E 008 06 44.00	N 50 17.1	E 008 06.7
DF432	R	N 50 12 24.45	E 008 23 19.43	N 50 12.4	E 008 23.3
DF439	R, F080+	N 50 06 46.17	E 008 26 32.79	N 50 06.8	E 008 26.5
DF444	L	N 49 57 35.68	E 007 48 56.19	N 49 57.6	E 007 48.9
DF454	L	N 49 52 55.42	E 007 51 42.06	N 49 52.9	E 007 51.7
DF452	A5000+	N 49 55 46.15	E 008 03 17.06	N 49 55.8	E 008 03.3

FINAL APPROACH 07L [ILS Z - ILS Y]

ROLIS 07S

ROLIS		N 50 26 06.37	E 007 49 30.55	N 50 26.1	E 007 49.5
DF632	L	N 50 01 15.32	E 008 20 31.73	N 50 01.3	E 008 20.5
FFM	L	N 50 03 13.47	E 008 38 13.53	N 50 03.2	E 008 38.2
DF623	R	N 50 10 00.24	E 009 07 26.93	N 50 10.0	E 009 07.4
DF613	R	N 50 05 18.10	E 009 10 05.71	N 50 05.3	E 009 10.1
DF636	F080+	N 49 55 36.32	E 008 29 08.06	N 49 55.6	E 008 29.1
DF644	R	N 49 47 17.60	E 007 55 01.26	N 49 47.3	E 007 55.0
DF654	R	N 49 51 57.93	E 007 52 16.05	N 49 52.0	E 007 52.3
ROBSA	A4000+	N 49 57 40.69	E 008 15 33.95	N 49 57.7	E 008 15.6

FINAL APPROACH 07R [ILS - LOC - RNAV (GPS) Z]

FRANKFURT MAIN

WAY POINT LIST

GPS/FMS RNAV TRANSITION TO FINAL APPROACH (OVERLAY TO RADAR VECTOR PATTERN)

Route Description

CODING

DISPLAY

UNOKO 07N

UNOKO		N 50 27 17.00	E 007 13 38.00	N 50 27.3	E 007 13.6
IBVIL	R	N 50 26 04.00	E 007 22 09.00	N 50 26.1	E 007 22.2
MANUV	L	N 50 17 44.00	E 007 27 32.00	N 50 17.7	E 007 27.5
RAMOB	L; F110	N 50 06 41.00	E 007 41 02.00	N 50 06.7	E 007 41.0
DF431	L	N 50 04 39.51	E 007 51 26.29	N 50 04.7	E 007 51.4
DF432	R	N 50 12 24.45	E 008 23 19.43	N 50 12.4	E 008 23.3
DF439	R, F080+	N 50 06 46.17	E 008 26 32.79	N 50 06.8	E 008 26.5
DF444	L	N 49 57 35.68	E 007 48 56.19	N 49 57.6	E 007 48.9
DF454	L	N 49 52 55.42	E 007 51 42.06	N 49 52.9	E 007 51.7
DF452	A5000+	N 49 55 46.15	E 008 03 17.06	N 49 55.8	E 008 03.3
FINAL APPROACH 07L [ILS Z - ILS Y]					

UNOKO 07S

UNOKO		N 50 27 17.00	E 007 13 38.00	N 50 27.3	E 007 13.6
IBVIL	R	N 50 26 04.00	E 007 22 09.00	N 50 26.1	E 007 22.2
MANUV	L	N 50 17 44.00	E 007 27 32.00	N 50 17.7	E 007 27.5
RAMOB	L; F130	N 50 06 41.00	E 007 41 02.00	N 50 06.7	E 007 41.0
DF631	L	N 50 00 22.36	E 008 12 44.13	N 50 00.4	E 008 12.7
FFM	L	N 50 03 13.47	E 008 38 13.53	N 50 03.2	E 008 38.2
DF623	R	N 50 10 00.24	E 009 07 26.93	N 50 10.0	E 009 07.4
DF613	R	N 50 05 18.10	E 009 10 05.71	N 50 05.3	E 009 10.1
DF636	F080+	N 49 55 36.32	E 008 29 08.06	N 49 55.6	E 008 29.1
DF644	R	N 49 47 17.60	E 007 55 01.26	N 49 47.3	E 007 55.0
DF654	R	N 49 51 57.93	E 007 52 16.05	N 49 52.0	E 007 52.3
ROBSA	A4000+	N 49 57 40.69	E 008 15 33.95	N 49 57.7	E 008 15.6
FINAL APPROACH 07R [ILS - LOC - RNAV (GPS) Z]					

PSA 07N

PSA		N 49 51 44.07	E 009 20 53.97	N 49 51.7	E 009 20.9
DF436	L	N 50 13 52.15	E 009 16 55.31	N 50 13.9	E 009 16.9
DF437	L	N 50 16 16.51	E 009 06 46.81	N 50 16.3	E 009 06.8
DF439	F080+	N 50 06 46.17	E 008 26 32.79	N 50 06.8	E 008 26.5
DF444	L	N 49 57 35.68	E 007 48 56.19	N 49 57.6	E 007 48.9
DF454	L	N 49 52 55.42	E 007 51 42.06	N 49 52.9	E 007 51.7
DF452	A5000+	N 49 55 46.15	E 008 03 17.06	N 49 55.8	E 008 03.3
FINAL APPROACH 07L [ILS Z - ILS Y]					

PSA 07S

PSA		N 49 51 44.07	E 009 20 53.97	N 49 51.7	E 009 20.9
DF635	L	N 49 58 56.74	E 008 43 00.98	N 49 58.9	E 008 43.0
DF636	F080+	N 49 55 36.32	E 008 29 08.06	N 49 55.6	E 008 29.1
DF644	R	N 49 47 17.60	E 007 55 01.26	N 49 47.3	E 007 55.0
DF654	R	N 49 51 57.93	E 007 52 16.05	N 49 52.0	E 007 52.3
ROBSA	A4000+	N 49 57 40.69	E 008 15 33.95	N 49 57.7	E 008 15.6
FINAL APPROACH 07R [ILS - LOC - RNAV (GPS) Z]					

WAY POINT LIST

FRANKFURT MAIN

GPS/FMS RNAV TRANSITION TO FINAL APPROACH (OVERLAY TO RADAR VECTOR PATTERN)

Route Description

CODING

DISPLAY

KERAX 25N

KERAX		N 50 28 30.00	E 009 34 55.00	N 50 28.5	E 009 34.9
GED	L	N 50 24 43.01	E 009 14 56.99	N 50 24.7	E 009 14.9
DF407	L	N 50 23 41.55	E 009 10 32.11	N 50 23.7	E 009 10.5
DF408	L	N 50 15 58.74	E 008 37 37.76	N 50 16.0	E 008 37.6
DF409	L; F080+	N 50 10 13.28	E 008 40 59.94	N 50 10.2	E 008 41.0
DF416	R	N 50 19 45.52	E 009 21 52.29	N 50 19.8	E 009 21.9
DF426	R	N 50 15 03.04	E 009 24 30.17	N 50 15.1	E 009 24.5
DF422	A5000+	N 50 09 37.00	E 009 01 02.37	N 50 09.6	E 009 01.0

FINAL APPROACH 25R [ILS Z - ILS Y]

KERAX 25S

KERAX		N 50 28 30.00	E 009 34 55.00	N 50 28.5	E 009 34.9
EBIPA	L	N 50 22 53.01	E 009 31 17.61	N 50 22.9	E 009 31.3
INBOS	R	N 49 56 06.03	E 009 37 26.97	N 49 56.1	E 009 37.4
PSA	R	N 49 51 44.07	E 009 20 53.97	N 49 51.7	E 009 20.9
DF607	L	N 50 01 06.09	E 009 14 55.78	N 50 01.1	E 009 14.9
DF608	R	N 49 55 50.48	E 008 52 29.57	N 49 55.8	E 008 52.5
DF609	R; F080+	N 50 00 32.41	E 008 49 49.47	N 50 00.5	E 008 49.8
DF616	L	N 50 09 21.68	E 009 27 40.21	N 50 09.4	E 009 27.7
DF626	L	N 50 14 04.23	E 009 25 02.97	N 50 14.1	E 009 25.0
LEDKI	A4000+	N 50 06 14.76	E 008 51 21.21	N 50 06.2	E 008 51.4

FINAL APPROACH 25L [ILS - LOC - RNAV (GPS) Z]

ROLIS 25N

ROLIS		N 50 26 06.37	E 007 49 30.55	N 50 26.1	E 007 49.5
ETARU	R	N 50 17 08.00	E 008 06 44.00	N 50 17.1	E 008 06.7
DF403	L	N 50 05 48.13	E 008 22 30.06	N 50 05.8	E 008 22.5
DF409	L; F080+	N 50 10 13.28	E 008 40 59.94	N 50 10.2	E 008 41.0
DF416	R	N 50 19 45.52	E 009 21 52.29	N 50 19.8	E 009 21.9
DF426	R	N 50 15 03.04	E 009 24 30.17	N 50 15.1	E 009 24.5
DF422	A5000+	N 50 09 37.00	E 009 01 02.37	N 50 09.6	E 009 01.0

FINAL APPROACH 25R [ILS Z - ILS Y]

ROLIS 25S

ROLIS		N 50 26 06.37	E 007 49 30.55	N 50 26.1	E 007 49.5
DF402	L	N 50 04 22.92	E 008 16 17.48	N 50 04.4	E 008 16.3
DF601	L	N 49 56 22.09	E 008 32 18.66	N 49 56.4	E 008 32.3
DF609	R; F080+	N 50 00 32.41	E 008 49 49.47	N 50 00.5	E 008 49.8
DF616	L	N 50 09 21.68	E 009 27 40.21	N 50 09.4	E 009 27.7
DF626	L	N 50 14 04.23	E 009 25 02.97	N 50 14.1	E 009 25.0
LEDKI	A4000+	N 50 06 14.76	E 008 51 21.21	N 50 06.2	E 008 51.4

FINAL APPROACH 25L [ILS - LOC - RNAV (GPS) Z]

FRANKFURT MAIN

WAY POINT LIST

GPS/FMS RNAV TRANSITION TO FINAL APPROACH (OVERLAY TO RADAR VECTOR PATTERN)

Route Description

CODING

DISPLAY

UNOKO 25N

UNOKO		N 50 27 17.00	E 007 13 38.00	N 50 27.3	E 007 13.6
IBVIL	R	N 50 26 04.00	E 007 22 09.00	N 50 26.1	E 007 22.2
MANUV	L	N 50 17 44.00	E 007 27 32.00	N 50 17.7	E 007 27.5
RAMOB	L; F110	N 50 06 41.00	E 007 41 02.00	N 50 06.7	E 007 41.0
DF401	L	N 49 59 35.51	E 007 56 57.90	N 49 59.6	E 007 57.0
DF409	F080+	N 50 10 13.28	E 008 40 59.94	N 50 10.2	E 008 41.0
DF416	R	N 50 19 45.52	E 009 21 52.29	N 50 19.8	E 009 21.9
DF426	R	N 50 15 03.04	E 009 24 30.17	N 50 15.1	E 009 24.5
DF422	A5000+	N 50 09 37.00	E 009 01 02.37	N 50 09.6	E 009 01.0
FINAL APPROACH 25R [ILS Z - ILS Y]					

UNOKO 25S

UNOKO		N 50 27 17.00	E 007 13 38.00	N 50 27.3	E 007 13.6
IBVIL	R	N 50 26 04.00	E 007 22 09.00	N 50 26.1	E 007 22.2
MANUV	L	N 50 17 44.00	E 007 27 32.00	N 50 17.7	E 007 27.5
RAMOB	L; F130	N 50 06 41.00	E 007 41 02.00	N 50 06.7	E 007 41.0
DF601	L	N 49 56 22.09	E 008 32 18.66	N 49 56.4	E 008 32.3
DF609	F080+	N 50 00 32.41	E 008 49 49.47	N 50 00.5	E 008 49.8
DF616	L	N 50 09 21.68	E 009 27 40.21	N 50 09.4	E 009 27.7
DF626	L	N 50 14 04.23	E 009 25 02.97	N 50 14.1	E 009 25.0
LEDKI	A4000+	N 50 06 14.76	E 008 51 21.21	N 50 06.2	E 008 51.4
FINAL APPROACH 25L [ILS - LOC - RNAV (GPS) Z]					

PSA 25N

PSA		N 49 51 44.07	E 009 20 53.97	N 49 51.7	E 009 20.9
DF406	L	N 50 21 44.19	E 009 15 29.62	N 50 21.7	E 009 15.5
DF407	L	N 50 23 41.55	E 009 10 32.11	N 50 23.7	E 009 10.5
DF408	L	N 50 15 58.74	E 008 37 37.76	N 50 16.0	E 008 37.6
DF409	L; F080+	N 50 10 13.28	E 008 40 59.94	N 50 10.2	E 008 41.0
DF416	R	N 50 19 45.52	E 009 21 52.29	N 50 19.8	E 009 21.9
DF426	R	N 50 15 03.04	E 009 24 30.17	N 50 15.1	E 009 24.5
DF422	A5000+	N 50 09 37.00	E 009 01 02.37	N 50 09.6	E 009 01.0
FINAL APPROACH 25R [ILS Z - ILS Y]					

PSA 25S

PSA		N 49 51 44.07	E 009 20 53.97	N 49 51.7	E 009 20.9
DF607	L	N 50 01 06.09	E 009 14 55.78	N 50 01.1	E 009 14.9
DF608	R	N 49 55 50.48	E 008 52 29.57	N 49 55.8	E 008 52.5
DF609	R; F080+	N 50 00 32.41	E 008 49 49.47	N 50 00.5	E 008 49.8
DF616	L	N 50 09 21.68	E 009 27 40.21	N 50 09.4	E 009 27.7
DF626	L	N 50 14 04.23	E 009 25 02.97	N 50 14.1	E 009 25.0
LEDKI	A4000+	N 50 06 14.76	E 008 51 21.21	N 50 06.2	E 008 51.4
FINAL APPROACH 25L [ILS - LOC - RNAV (GPS) Z]					

WAY POINT LIST

FRANKFURT MAIN

GPS/FMS RNAV TRANSITION TO FINAL APPROACH (OVERLAY TO RADAR VECTOR PATTERN)

Additional Way Points

IDENT	CODING		DISPLAY	
DF401	N 49 59 35.51	E 007 56 57.90	N 49 59.6	E 007 57.0
DF410	N 50 11 33.83	E 008 46 39.57	N 50 11.6	E 008 46.7
DF411	N 50 12 56.53	E 008 52 30.83	N 50 12.9	E 008 52.5
DF412	N 50 14 18.94	E 008 58 22.44	N 50 14.3	E 008 58.4
DF413	N 50 15 41.04	E 009 04 14.39	N 50 15.7	E 009 04.2
DF414	N 50 17 02.83	E 009 10 06.68	N 50 17.0	E 009 10.1
DF415	N 50 18 24.33	E 009 15 59.31	N 50 18.4	E 009 16.0
DF421	N 50 08 14.74	E 008 55 11.27	N 50 08.2	E 008 55.2
DF423	N 50 10 58.96	E 009 06 53.81	N 50 11.0	E 009 06.9
DF424	N 50 12 20.62	E 009 12 45.59	N 50 12.3	E 009 12.8
DF425	N 50 13 41.98	E 009 18 37.71	N 50 13.7	E 009 18.6
DF441	N 50 01 51.75	E 008 06 20.69	N 50 01.9	E 008 06.3
DF442	N 50 00 26.69	E 008 00 32.17	N 50 00.4	E 008 00.5
DF443	N 49 59 01.33	E 007 54 44.01	N 49 59.0	E 007 54.7
DF453	N 49 54 20.93	E 007 57 29.38	N 49 54.3	E 007 57.5
DF611	N 50 02 34.21	E 008 58 24.59	N 50 02.6	E 008 58.4
DF612	N 50 03 56.30	E 009 04 14.88	N 50 03.9	E 009 04.2
DF613	N 50 05 18.10	E 009 10 05.71	N 50 05.3	E 009 10.1
DF614	N 50 06 39.59	E 009 15 56.87	N 50 06.7	E 009 15.9
DF615	N 50 08 00.79	E 009 21 48.37	N 50 08.0	E 009 21.8
DF621	N 50 07 16.07	E 008 55 44.60	N 50 07.3	E 008 55.7
DF622	N 50 08 38.31	E 009 01 35.59	N 50 08.6	E 009 01.6
DF623	N 50 10 00.24	E 009 07 26.93	N 50 10.0	E 009 07.4
DF624	N 50 11 21.87	E 009 13 18.60	N 50 11.4	E 009 13.3
DF625	N 50 12 43.20	E 009 19 10.62	N 50 12.7	E 009 19.2
DF640	N 49 52 59.30	E 008 18 18.40	N 49 53.0	E 008 18.3
DF641	N 49 51 32.73	E 008 12 22.52	N 49 51.5	E 008 12.4
DF642	N 49 50 07.98	E 008 06 35.09	N 49 50.1	E 008 06.6
DF643	N 49 48 42.94	E 008 00 48.00	N 49 48.7	E 008 00.8
DF651	N 49 56 13.49	E 008 09 38.78	N 49 56.2	E 008 09.6
DF652	N 49 54 48.60	E 008 03 50.85	N 49 54.8	E 008 03.8
DF653	N 49 53 23.41	E 007 58 03.28	N 49 53.4	E 007 58.1
OSPUL	N 50 15 49.00	E 008 02 14.96	N 50 15.8	E 008 02.2
RIPKU	N 49 59 49.32	E 009 19 27.09	N 49 59.8	E 009 19.5

FRANKFURT MAIN

WAY POINT LIST

STAR RNAV (GPS) Rwy 07 / 25

Way Points

IDENT	CODING		DISPLAY	
ETARU	N 50 17 08.00	E 008 06 44.00	N 50 17.1	E 008 06.7
GEDSI	N 50 17 02.85	E 009 07 30.45	N 50 17.0	E 009 07.5
IBLUS	N 49 53 48.13	E 008 05 41.10	N 49 53.8	E 008 05.7
IBVIL	N 50 26 04.00	E 007 22 09.00	N 50 26.1	E 007 22.2
KERAX	N 50 28 30.00	E 009 34 55.00	N 50 28.5	E 009 34.9
KUGUK	N 49 57 57.76	E 009 01 15.37	N 49 58.0	E 009 01.3
MANUV	N 50 17 44.00	E 007 27 32.00	N 50 17.7	E 007 27.5
ORVIV	N 50 10 59.99	E 009 00 46.36	N 50 11.0	E 009 00.8
RAMOB	N 50 06 41.00	E 007 41 02.00	N 50 06.7	E 007 41.0
RATRU	N 50 04 25.99	E 008 42 28.17	N 50 04.4	E 008 42.5
REDLI	N 50 01 13.79	E 007 48 02.75	N 50 01.2	E 007 48.0
ROKIM	N 50 00 06.55	E 008 03 03.98	N 50 00.1	E 008 03.1
ROLIS	N 50 26 06.37	E 007 49 30.55	N 50 26.1	E 007 49.5
TIXAK	N 50 00 10.92	E 008 24 40.81	N 50 00.2	E 008 24.7
ULNOK	N 49 50 56.63	E 008 25 07.05	N 49 50.9	E 008 25.1
UNOKO	N 50 27 17.00	E 007 13 38.00	N 50 27.3	E 007 13.6
DF950	N 49 50 10.14	E 008 40 23.48	N 49 50.2	E 008 40.4
DF951	N 50 04 15.66	E 008 00 29.42	N 50 04.3	E 008 00.5

WAY POINT LIST

FRANKFURT MAIN

CODING

DISPLAY

RNAV (GPS) -Z Approach RWY 25L from CHA

CHA (IAF)	N 49 55 15.97	E 009 02 23.32	N 49 55.3	E 009 02.4
DF289 (IF)	N 50 07 19.26	E 008 55 55.34	N 50 07.3	E 008 55.9
LEDKI (FAF)	N 50 06 14.76	E 008 51 21.21	N 50 06.2	E 008 51.4
RW25L (MAPt)	N 50 02 24.19	E 008 35 11.51	N 50 02.4	E 008 35.2
DF290 (MATF)	N 50 01 13.69	E 008 30 16.69	N 50 01.2	E 008 30.3
DF291 (MATF)	N 49 59 42.65	E 008 27 04.53	N 49 59.7	E 008 27.1
CHA (MAHF)	N 49 55 15.97	E 009 02 23.32	N 49 55.3	E 009 02.4

RNAV (GPS) -Z Approach RWY 25L from MTR

MTR (IAF)	N 50 16 34.59	E 008 50 55.05	N 50 16.6	E 008 50.9
DF289 (IF)	N 50 07 19.26	E 008 55 55.34	N 50 07.3	E 008 55.9
LEDKI (FAF)	N 50 06 14.76	E 008 51 21.21	N 50 06.2	E 008 51.4
RW25L (MAPt)	N 50 02 24.19	E 008 35 11.51	N 50 02.4	E 008 35.2
DF290 (MATF)	N 50 01 13.69	E 008 30 16.69	N 50 01.2	E 008 30.3
DF291 (MATF)	N 49 59 42.65	E 008 27 04.53	N 49 59.7	E 008 27.1
CHA (MAHF)	N 49 55 15.97	E 009 02 23.32	N 49 55.3	E 009 02.4

RNAV (GPS) -Z Approach RWY 25C from CHA

CHA (IAF)	N 49 55 15.97	E 009 02 23.32	N 49 55.3	E 009 02.4
DF281 (IF)	N 50 07 35.08	E 008 55 46.82	N 50 07.6	E 008 55.8
REDGO (FAF)	N 50 06 33.03	E 008 51 22.94	N 50 06.6	E 008 51.4
RW25C (MAPt)	N 50 02 42.46	E 008 35 13.13	N 50 02.7	E 008 35.2
FW (MATF)	N 50 00 17.84	E 008 25 46.39	N 50 00.3	E 008 25.8
DF282 (MATF)	N 49 59 00.91	E 008 20 46.40	N 49 59.0	E 008 20.8
TAU (MATF)	N 50 15 01.67	E 008 09 45.09	N 50 15.0	E 008 09.8
MTR (MAHF)	N 50 16 34.59	E 008 50 55.05	N 50 16.6	E 008 50.9

RNAV (GPS) -Z Approach RWY 25C from MTR

MTR (IAF)	N 50 16 34.59	E 008 50 55.05	N 50 16.6	E 008 50.9
DF281 (IF)	N 50 07 35.08	E 008 55 46.82	N 50 07.6	E 008 55.8
REDGO (FAF)	N 50 06 33.03	E 008 51 22.94	N 50 06.6	E 008 51.4
RW25C (MAPt)	N 50 02 42.46	E 008 35 13.13	N 50 02.7	E 008 35.2
FW (MATF)	N 50 00 17.84	E 008 25 46.39	N 50 00.3	E 008 25.8
DF282 (MATF)	N 49 59 00.91	E 008 20 46.40	N 49 59.0	E 008 20.8
TAU (MATF)	N 50 15 01.67	E 008 09 45.09	N 50 15.0	E 008 09.8
MTR (MAHF)	N 50 16 34.59	E 008 50 55.05	N 50 16.6	E 008 50.9

FRANKFURT MAIN

WAY POINT LIST

CODING			DISPLAY	
RNAV (GPS) -Z Approach RWY 07C from RID				
RID (IAF)	N 49 46 54.09	E 008 32 29.35	N 49 46.9	E 008 32.5
DF271 (TF)	N 49 52 11.23	E 008 13 38.87	N 49 52.2	E 008 13.6
DF272 (IF)	N 49 56 54.57	E 008 11 06.51	N 49 56.9	E 008 11.1
LOMPO (FAF)	N 49 57 59.15	E 008 15 36.27	N 49 58.0	E 008 15.6
RW07C (MAPt)	N 50 01 57.42	E 008 32 04.67	N 50 02.0	E 008 32.1
FR (MATF)	N 50 03 56.56	E 008 41 00.56	N 50 03.9	E 008 41.0
DF273 (MATF)	N 50 05 34.58	E 008 48 24.46	N 50 05.6	E 008 48.4
TAU (MAHF)	N 50 15 01.67	E 008 09 45.09	N 50 15.0	E 008 09.8
RNAV (GPS) -Z Approach RWY 07C from TAU				
TAU (IAF)	N 50 15 01.67	E 008 09 45.09	N 50 15.0	E 008 09.8
DF270 (TF)	N 50 01 37.47	E 008 08 34.14	N 50 01.6	E 008 08.6
DF272 (IF)	N 49 56 54.57	E 008 11 06.51	N 49 56.9	E 008 11.1
LOMPO (FAF)	N 49 57 59.15	E 008 15 36.27	N 49 58.0	E 008 15.6
RW07C (MAPt)	N 50 01 57.42	E 008 32 04.67	N 50 02.0	E 008 32.1
FR (MATF)	N 50 03 56.56	E 008 41 00.56	N 50 03.9	E 008 41.0
DF273 (MATF)	N 50 05 34.58	E 008 48 24.46	N 50 05.6	E 008 48.4
TAU (MAHF)	N 50 15 01.67	E 008 09 45.09	N 50 15.0	E 008 09.8
RNAV (GPS) -Z Approach RWY 07R from RID				
RID (IAF)	N 49 46 54.09	E 008 32 29.35	N 49 46.9	E 008 32.5
DF276 (TF)	N 49 51 55.61	E 008 13 47.22	N 49 51.9	E 008 13.8
DF277 (IF)	N 49 56 38.73	E 008 11 15.03	N 49 56.6	E 008 11.3
ROBSA (FAF)	N 49 57 40.69	E 008 15 33.95	N 49 57.7	E 008 15.6
RW07R (MAPt)	N 50 01 39.15	E 008 32 03.03	N 50 01.7	E 008 32.1
FFM (MATF)	N 50 03 13.47	E 008 38 13.53	N 50 03.2	E 008 38.2
DF278 (MATF)	N 50 03 21.16	E 008 50 38.21	N 50 03.4	E 008 50.6
RID (MAHF)	N 49 46 54.09	E 008 32 29.35	N 49 46.9	E 008 32.5
RNAV (GPS) -Z Approach RWY 07R from TAU				
TAU (IAF)	N 50 15 01.67	E 008 09 45.09	N 50 15.0	E 008 09.8
DF275 (TF)	N 50 01 21.85	E 008 08 42.57	N 50 01.4	E 008 08.7
DF277 (IF)	N 49 56 38.73	E 008 11 15.03	N 49 56.6	E 008 11.3
ROBSA (FAF)	N 49 57 40.69	E 008 15 33.95	N 49 57.7	E 008 15.6
RW07R (MAPt)	N 50 01 39.15	E 008 32 03.03	N 50 01.7	E 008 32.1
FFM (MATF)	N 50 03 13.47	E 008 38 13.53	N 50 03.2	E 008 38.2
DF278 (MATF)	N 50 03 21.16	E 008 50 38.21	N 50 03.4	E 008 50.6
RID (MAHF)	N 49 46 54.09	E 008 32 29.35	N 49 46.9	E 008 32.5

WAY POINT LIST

FRANKFURT MAIN

CODING

DISPLAY

RNAV (GPS) -Y Approach RWY 25L from KUGUK

KUGUK (IAF)	N 49 57 57.76	E 009 01 15.37	N 49 58.0	E 009 01.3
DF907 (TF)	N 50 00 52.03	E 008 57 56.67	N 50 00.9	E 008 57.9
DF901 (IF)	N 50 03 37.88	E 008 52 09.99	N 50 03.6	E 008 52.2
TITUT (FAF)	N 50 04 07.82	E 008 42 26.99	N 50 04.1	E 008 42.4
RW25L (MAPt)	N 50 02 24.19	E 008 35 11.51	N 50 02.4	E 008 35.2
DF290 (MATF)	N 50 01 13.69	E 008 30 16.69	N 50 01.2	E 008 30.3
DF291 (MATF)	N 49 59 42.65	E 008 27 04.53	N 49 59.7	E 008 27.1
CHA (MAHF)	N 49 55 15.97	E 009 02 23.32	N 49 55.3	E 009 02.4

RNAV (GPS) -Y Approach RWY 25L from ORVIV

ORVIV (IAF)	N 50 10 59.99	E 009 00 46.36	N 50 11.0	E 009 00.8
DF902 (TF)	N 50 05 05.64	E 008 59 00.09	N 50 05.1	E 008 59.0
DF901 (IF)	N 50 03 37.88	E 008 52 09.99	N 50 03.6	E 008 52.2
TITUT (FAF)	N 50 04 07.82	E 008 42 26.99	N 50 04.1	E 008 42.4
RW25L (MAPt)	N 50 02 24.19	E 008 35 11.51	N 50 02.4	E 008 35.2
DF290 (MATF)	N 50 01 13.69	E 008 30 16.69	N 50 01.2	E 008 30.3
DF291 (MATF)	N 49 59 42.65	E 008 27 04.53	N 49 59.7	E 008 27.1
CHA (MAHF)	N 49 55 15.97	E 009 02 23.32	N 49 55.3	E 009 02.4

RNAV (GPS) -Y Approach RWY 25C from KUGUK

KUGUK (IAF)	N 49 57 57.76	E 009 01 15.37	N 49 58.0	E 009 01.3
DF907 (TF)	N 50 00 52.03	E 008 57 56.67	N 50 00.9	E 008 57.9
DF901 (IF)	N 50 03 37.88	E 008 52 09.99	N 50 03.6	E 008 52.2
RATRU (FAF)	N 50 04 25.99	E 008 42 28.17	N 50 04.4	E 008 42.5
RW25C (MAPt)	N 50 02 42.46	E 008 35 13.13	N 50 02.7	E 008 35.2
FW (MATF)	N 50 00 17.84	E 008 25 46.39	N 50 00.3	E 008 25.8
DF282 (MATF)	N 49 59 00.91	E 008 20 46.40	N 49 59.0	E 008 20.8
TAU (MATF)	N 50 15 01.67	E 008 09 45.09	N 50 15.0	E 008 09.8
MTR (MAHF)	N 50 16 34.59	E 008 50 55.05	N 50 16.6	E 008 50.9

RNAV (GPS) -Y Approach RWY 25C from ORVIV

ORVIV (IAF)	N 50 10 59.99	E 009 00 46.36	N 50 11.0	E 009 00.8
DF902 (TF)	N 50 05 05.64	E 008 59 00.09	N 50 05.1	E 008 59.0
DF901 (IF)	N 50 03 37.88	E 008 52 09.99	N 50 03.6	E 008 52.2
RATRU (FAF)	N 50 04 25.99	E 008 42 28.17	N 50 04.4	E 008 42.5
RW25C (MAPt)	N 50 02 42.46	E 008 35 13.13	N 50 02.7	E 008 35.2
FW (MATF)	N 50 00 17.84	E 008 25 46.39	N 50 00.3	E 008 25.8
DF282 (MATF)	N 49 59 00.91	E 008 20 46.40	N 49 59.0	E 008 20.8
TAU (MATF)	N 50 15 01.67	E 008 09 45.09	N 50 15.0	E 008 09.8
MTR (MAHF)	N 50 16 34.59	E 008 50 55.05	N 50 16.6	E 008 50.9

FRANKFURT MAIN

WAY POINT LIST

CODING

DISPLAY

| RNAV (GPS) -Y Approach RWY 07C from ULNOK

ULNOK (IAF)	N 49 50 56.63	E 008 25 07.05	N 49 50.9	E 008 25.1
DF914 (TF)	N 49 52 41.87	E 008 22 05.51	N 49 52.7	E 008 22.1
DF920 (IF)	N 49 57 08.27	E 008 20 47.33	N 49 57.1	E 008 20.8
TIXAK (FAF)	N 50 00 10.92	E 008 24 40.81	N 50 00.2	E 008 24.7
RW07C (MAPt)	N 50 01 57.42	E 008 32 04.67	N 50 02.0	E 008 32.1
FR (MATF)	N 50 03 56.56	E 008 41 00.56	N 50 03.9	E 008 41.0
DF273 (MATF)	N 50 05 34.58	E 008 48 24.46	N 50 05.6	E 008 48.4
TAU (MAHF)	N 50 15 01.67	E 008 09 45.09	N 50 15.0	E 008 09.8

| RNAV (GPS) -Y Approach RWY 07C from IBLUS

IBLUS (IAF)	N 49 53 48.13	E 008 05 41.10	N 49 53.8	E 008 05.7
DF911 (TF)	N 49 55 50.21	E 008 14 52.55	N 49 55.8	E 008 14.9
DF920 (IF)	N 49 57 08.27	E 008 20 47.33	N 49 57.1	E 008 20.8
TIXAK (FAF)	N 50 00 10.92	E 008 24 40.81	N 50 00.2	E 008 24.7
RW07C (MAPt)	N 50 01 57.42	E 008 32 04.67	N 50 02.0	E 008 32.1
FR (MATF)	N 50 03 56.56	E 008 41 00.56	N 50 03.9	E 008 41.0
DF273 (MATF)	N 50 05 34.58	E 008 48 24.46	N 50 05.6	E 008 48.4
TAU (MAHF)	N 50 15 01.67	E 008 09 45.09	N 50 15.0	E 008 09.8

RNAV (GPS) -Y Approach RWY 07R from ULNOK

ULNOK (IAF)	N 49 50 56.63	E 008 25 07.05	N 49 50.9	E 008 25.1
DF914 (TF)	N 49 52 41.87	E 008 22 05.51	N 49 52.7	E 008 22.1
DF910 (IF)	N 49 57 13.87	E 008 21 12.88	N 49 57.2	E 008 21.2
BOGVO (FAF)	N 49 59 52.61	E 008 24 39.00	N 49 59.9	E 008 24.6
RW07R (MAPt)	N 50 01 39.15	E 008 32 03.03	N 50 01.7	E 008 32.1
FFM (MATF)	N 50 03 13.47	E 008 38 13.53	N 50 03.2	E 008 38.2
DF278 (MATF)	N 50 03 21.16	E 008 50 38.21	N 50 03.4	E 008 50.6
RID (MAHF)	N 49 46 54.09	E 008 32 29.35	N 49 46.9	E 008 32.5

RNAV (GPS) -Y Approach RWY 07R from IBLUS

IBLUS (IAF)	N 49 53 48.13	E 008 05 41.10	N 49 53.8	E 008 05.7
DF911 (TF)	N 49 55 50.21	E 008 14 52.55	N 49 55.8	E 008 14.9
DF910 (IF)	N 49 57 13.87	E 008 21 12.88	N 49 57.2	E 008 21.2
BOGVO (FAF)	N 49 59 52.61	E 008 24 39.00	N 49 59.9	E 008 24.6
RW07R (MAPt)	N 50 01 39.15	E 008 32 03.03	N 50 01.7	E 008 32.1
FFM (MATF)	N 50 03 13.47	E 008 38 13.53	N 50 03.2	E 008 38.2
DF278 (MATF)	N 50 03 21.16	E 008 50 38.21	N 50 03.4	E 008 50.6
RID (MAHF)	N 49 46 54.09	E 008 32 29.35	N 49 46.9	E 008 32.5

WAY POINT LIST

FRANKFURT MAIN

GPS/FMS RNAV DEPARTURE ROUTES (OVERLAY)

IDENT	CODING		DISPLAY	
DF132	N 50 06 59.33	E 008 19 21.15	N 50 07.0	E 008 19.4
DF133	N 50 01 50.16	E 008 26 48.51	N 50 01.8	E 008 26.8
DF134	N 50 01 43.74	E 008 31 07.58	N 50 01.7	E 008 31.1
DF135	N 50 01 27.97	E 008 31 16.42	N 50 01.5	E 008 31.3
DF136	N 50 00 39.99	E 008 17 01.06	N 50 00.7	E 008 17.0
DF137	N 49 57 57.32	E 008 31 42.44	N 49 58.0	E 008 31.7
DF138	N 49 58 20.23	E 008 25 21.28	N 49 58.3	E 008 25.4
DF139	N 50 03 24.72	E 008 38 13.20	N 50 03.4	E 008 38.2
DF140	N 50 03 07.29	E 008 38 14.76	N 50 03.1	E 008 38.2
DF141	N 50 01 04.48	E 008 30 07.43	N 50 01.1	E 008 30.1
DF142	N 50 00 30.73	E 008 29 48.78	N 50 00.5	E 008 29.8
DF143	N 49 58 57.86	E 008 28 56.99	N 49 59.0	E 008 28.9
DF144	N 50 02 52.17	E 008 35 56.35	N 50 02.9	E 008 35.9
DF145	N 50 02 36.37	E 008 36 04.62	N 50 02.6	E 008 36.1
DF146	N 50 06 01.22	E 008 38 02.59	N 50 06.0	E 008 38.0
DF149	N 50 04 21.87	E 008 42 38.57	N 50 04.4	E 008 42.6
DF150	N 50 00 36.89	E 008 45 06.26	N 50 00.6	E 008 45.1
DF151	N 50 03 27.31	E 008 50 36.96	N 50 03.5	E 008 50.6
DF152	N 50 04 13.99	E 008 42 28.83	N 50 04.2	E 008 42.5
DF153	N 49 50 28.89	E 008 41 25.87	N 49 50.5	E 008 41.4
DF154	N 49 58 42.14	E 008 35 39.28	N 49 58.7	E 008 35.7
DF155	N 49 54 46.39	E 008 42 58.86	N 49 54.8	E 008 43.0
DF156	N 49 56 02.20	E 008 27 27.91	N 49 56.0	E 008 27.5
DF157	N 49 47 27.96	E 008 40 20.26	N 49 47.5	E 008 40.3
DF158	N 49 58 00.01	E 008 31 34.98	N 49 58.0	E 008 31.6
DF159	N 49 56 58.59	E 008 34 25.12	N 49 57.0	E 008 34.4
DF160	N 49 52 25.15	E 008 32 05.82	N 49 52.4	E 008 32.1
DF162	N 50 00 35.24	E 008 29 46.50	N 50 00.6	E 008 29.8
DF163	N 49 55 55.41	E 008 27 16.79	N 49 55.9	E 008 27.3
DF164	N 49 51 44.07	E 008 21 02.23	N 49 51.7	E 008 21.0
DF165	N 50 00 08.58	E 008 29 42.70	N 50 00.1	E 008 29.7
DF166	N 49 57 17.64	E 008 29 19.80	N 49 57.3	E 008 29.3
DF167	N 49 42 10.82	E 008 38 10.77	N 49 42.2	E 008 38.2
DF168	N 49 56 20.97	E 008 36 10.06	N 49 56.3	E 008 36.2
DF169	N 50 03 52.23	E 009 17 00.22	N 50 03.8	E 009 17.0
DF170	N 50 00 55.20	E 008 29 46.30	N 50 00.9	E 008 29.8
DF171	N 50 00 27.45	E 008 29 33.11	N 50 00.4	E 008 29.5
DF172	N 49 54 52.57	E 008 26 57.96	N 49 54.9	E 008 27.0
DF180	N 49 54 18.73	E 008 26 42.24	N 49 54.3	E 008 26.7
DF196	N 49 47 16.81	E 008 14 13.44	N 49 47.3	E 008 14.2
DF197	N 49 58 46.72	E 008 31 34.61	N 49 58.8	E 008 31.6
DF198	N 49 45 03.68	E 008 27 57.13	N 49 45.1	E 008 28.0
DF200	N 49 43 12.05	E 008 26 54.46	N 49 43.2	E 008 26.9
DF201	N 49 47 15.18	E 008 14 22.30	N 49 47.3	E 008 14.4
DF233	N 50 01 59.94	E 008 25 16.70	N 50 02.0	E 008 25.3
DF234	N 50 01 35.45	E 008 30 35.37	N 50 01.6	E 008 30.6
DF235	N 50 01 21.77	E 008 30 51.74	N 50 01.3	E 008 30.9
DF236	N 50 01 25.88	E 008 23 24.39	N 50 01.4	E 008 23.4
DF237	N 50 02 20.76	E 008 20 26.14	N 50 02.3	E 008 20.4
DF238	N 50 07 42.53	E 008 15 55.85	N 50 07.7	E 008 15.9

FRANKFURT MAIN

WAY POINT LIST

GPS/FMS RNAV DEPARTURE ROUTES (OVERLAY)

IDENT	CODING		DISPLAY	
AGOLO	N 50 12 00.40	E 009 40 34.27	N 50 12.0	E 009 40.6
AKONI	N 49 44 48.46	E 009 11 15.15	N 49 44.8	E 009 11.3
ALIDI	N 50 43 18.06	E 008 39 28.17	N 50 43.3	E 008 39.5
AMTIX	N 49 45 43.59	E 009 05 29.55	N 49 45.7	E 009 05.5
ANEKI	N 49 19 02.18	E 008 28 49.54	N 49 19.0	E 008 28.8
APROX	N 50 43 30.87	E 008 42 57.08	N 50 43.5	E 008 43.0
BIBTI	N 50 58 00.00	E 007 06 31.00	N 50 58.0	E 007 06.5
DITAM	N 50 33 29.20	E 007 31 46.42	N 50 33.5	E 007 31.8
DONAB	N 49 49 15.89	E 008 01 44.83	N 49 49.3	E 008 01.7
ESUPI	N 50 03 30.40	E 008 07 15.95	N 50 03.5	E 008 07.3
GEBNO	N 49 10 00.08	E 009 55 56.25	N 49 10.0	E 009 55.9
GIBSA	N 49 40 05.56	E 009 40 03.14	N 49 40.1	E 009 40.1
GISNO	N 49 45 55.53	E 007 51 26.46	N 49 45.9	E 007 51.4
GUBAX	N 50 17 25.00	E 007 54 40.32	N 50 17.4	E 007 54.7
HAREM	N 49 37 06.39	E 009 24 52.43	N 49 37.1	E 009 24.9
KOMIB	N 50 04 24.10	E 010 14 33.75	N 50 04.4	E 010 14.6
KUPIP	N 49 56 26.82	E 008 09 37.02	N 49 56.4	E 008 09.6
KUSOM	N 50 22 53.65	E 008 21 57.23	N 50 22.9	E 008 22.0
LAMPU	N 49 20 24.35	E 009 40 04.97	N 49 20.4	E 009 40.1
LIKSI	N 50 28 23.50	E 008 30 16.44	N 50 28.4	E 008 30.3
LISKU	N 50 02 50.58	E 008 16 38.23	N 50 02.8	E 008 16.6
LORPA	N 50 43 32.42	E 008 37 32.69	N 50 43.5	E 008 37.5
MABOB	N 50 17 39.02	E 008 32 33.74	N 50 17.7	E 008 32.6
MARUN	N 50 49 16.20	E 008 40 18.99	N 50 49.3	E 008 40.3
MASIR	N 50 15 17.69	E 007 44 16.54	N 50 15.3	E 007 44.3
NOMBO	N 49 03 48.56	E 010 05 16.56	N 49 03.8	E 010 05.3
OBOKA	N 50 44 41.51	E 007 20 16.97	N 50 44.7	E 007 20.3
OBOXO	N 49 55 24.85	E 007 22 10.48	N 49 55.4	E 007 22.2
ODAGA	N 50 19 36.08	E 008 37 07.96	N 50 19.6	E 008 37.1
OKTUM	N 50 11 58.63	E 010 00 38.11	N 50 12.0	E 010 00.6
PABVI	N 49 53 05.98	E 008 22 22.99	N 49 53.1	E 008 22.4
PIPIX	N 49 42 25.94	E 008 13 23.62	N 49 42.4	E 008 13.4
RATIM	N 49 41 35.32	E 009 31 00.40	N 49 41.6	E 009 31.0
RAVKI	N 50 21 41.99	E 007 39 53.65	N 50 21.7	E 007 39.9
ROSIG	N 49 46 06.01	E 008 21 33.92	N 49 46.1	E 008 21.6
ROTEN	N 49 14 38.78	E 010 03 54.15	N 49 14.6	E 010 03.9
ROXAP	N 49 54 54.71	E 008 21 50.89	N 49 54.9	E 008 21.8
RUDUS	N 50 02 51.32	E 008 04 41.77	N 50 02.9	E 008 04.7
SIVDO	N 49 53 26.07	E 008 15 56.78	N 49 53.4	E 008 15.9
SOBRA	N 49 51 39.00	E 007 46 32.00	N 49 51.6	E 007 46.5
SULUS	N 50 04 30.69	E 010 43 43.71	N 50 04.5	E 010 43.7
TABUM	N 50 17 27.33	E 008 24 18.21	N 50 17.5	E 008 24.3
TESGA	N 50 26 41.64	E 008 37 07.94	N 50 26.7	E 008 37.1
TOBAK	N 50 34 17.93	E 008 47 08.81	N 50 34.3	E 008 47.1
TUKRU	N 49 56 23.72	E 008 43 15.90	N 49 56.4	E 008 43.3
ULKIG	N 49 52 11.00	E 007 43 10.00	N 49 52.2	E 007 43.2
VETUX	N 49 47 04.06	E 007 59 56.83	N 49 47.1	E 007 59.9
XAMUB	N 49 47 39.01	E 008 19 40.42	N 49 47.7	E 008 19.7

THRESHOLD COORDINATES

	THR	CODING		DISPLAY	
RWY 18		N 49 59 54.53	E 008 31 34.62	N 49 59.9	E 008 31.6
	RWY 25C	N 50 02 42.46	E 008 35 13.13	N 50 02.7	E 008 35.2
	RWY 25L	N 50 02 24.19	E 008 35 11.51	N 50 02.4	E 008 35.2
	RWY 07R	N 50 01 39.15	E 008 32 03.03	N 50 01.7	E 008 32.1
	RWY 07C	N 50 01 57.42	E 008 32 04.67	N 50 02.0	E 008 32.1