

WAY POINT LIST

MANNHEIM CITY

	CODING		DISPLAY	
RNAV (GPS) Approach to RWY 27 FROM RINEX				
RINEX (IAF)	N 49 19 44.87	E 008 38 07.85	N 49 19.7	E 008 38.1
NKR (TF)	N 49 20 12.22	E 008 43 58.47	N 49 20.2	E 008 44.0
FM002 (TF)	N 49 23 29.99	E 008 54 58.57	N 49 23.5	E 008 55.0
FM001 (IF)	N 49 27 29.32	E 008 55 18.81	N 49 27.5	E 008 55.3
EPOMA (FAF)	N 49 27 42.36	E 008 49 11.48	N 49 27.7	E 008 49.2
RW27 (MAPt)	N 49 28 21.04	E 008 31 11.95	N 49 28.4	E 008 31.2
FM003 (MATF)	N 49 27 26.77	E 008 23 22.08	N 49 27.4	E 008 23.4
FM004 (MATF)	N 49 22 03.42	E 008 20 51.86	N 49 22.1	E 008 20.9
FM005 (MATF)	N 49 18 42.94	E 008 25 08.36	N 49 18.7	E 008 25.1
RINEX (MAHF)	N 49 19 44.87	E 008 38 07.85	N 49 19.7	E 008 38.1

RNAV (GPS) Approach to RWY 27 FROM KETEG (BY ATC)				
KETEG (IAF)	N 49 27 08.91	E 008 59 08.68	N 49 27.1	E 008 59.1
FM001 (IF)	N 49 27 29.32	E 008 55 18.81	N 49 27.5	E 008 55.3
EPOMA (FAF)	N 49 27 42.36	E 008 49 11.48	N 49 27.7	E 008 49.2
RW27 (MAPt)	N 49 28 21.04	E 008 31 11.95	N 49 28.4	E 008 31.2
FM003 (MATF)	N 49 27 26.77	E 008 23 22.08	N 49 27.4	E 008 23.4
FM004 (MATF)	N 49 22 03.42	E 008 20 51.86	N 49 22.1	E 008 20.9
FM005 (MATF)	N 49 18 42.94	E 008 25 08.36	N 49 18.7	E 008 25.1
RINEX (MAHF)	N 49 19 44.87	E 008 38 07.85	N 49 19.7	E 008 38.1

GPS/FMS RNAV DEPARTURE ROUTES (OVERLAY)

IDENT	CODING		DISPLAY	
FM040	N 49 28 09.63	E 008 36 41.99	N 49 28.2	E 008 36.7
FM041	N 49 25 16.80	E 008 39 20.33	N 49 25.3	E 008 39.3
FM042	N 49 22 38.80	E 008 36 54.91	N 49 22.6	E 008 36.9
FM043	N 49 19 26.26	E 008 33 58.12	N 49 19.4	E 008 34.0
FM044	N 49 22 13.42	E 008 42 07.92	N 49 22.2	E 008 42.1
FM045	N 49 29 09.06	E 008 17 57.30	N 49 29.2	E 008 18.0
FM046	N 49 19 55.54	E 008 40 24.11	N 49 19.9	E 008 40.4
FM047	N 49 21 25.48	E 008 42 51.67	N 49 21.4	E 008 42.9
FM004	N 49 22 03.42	E 008 20 51.86	N 49 22.1	E 008 20.9
FM005	N 49 18 42.94	E 008 25 08.36	N 49 18.7	E 008 25.1
FM050	N 49 27 24.18	E 008 23 20.74	N 49 27.4	E 008 23.3
FM052	N 49 18 18.23	E 008 19 07.58	N 49 18.3	E 008 19.1
FM053	N 49 26 52.60	E 008 19 35.12	N 49 26.9	E 008 19.6
KOSAX	N 49 35 07.14	E 008 13 39.80	N 49 35.1	E 008 13.7
MANEM	N 49 17 40.50	E 008 11 29.97	N 49 17.7	E 008 11.5
OLIVI	N 49 46 41.87	E 007 36 20.34	N 49 46.7	E 007 36.3
RINEX	N 49 19 44.87	E 008 38 07.85	N 49 19.7	E 008 38.1
ROLSO	N 49 21 14.96	E 009 18 19.16	N 49 21.2	E 009 18.3
UMDAS	N 49 23 45.11	E 008 49 27.05	N 49 23.8	E 008 49.5

THRESHOLD COORDINATES

THR	CODING		DISPLAY	
RWY 27	N 49 28 21.04	E 008 31 11.95	N 49 28.4	E 008 31.2
RWY 09	N 49 28 22.76	E 008 30 21.96	N 49 28.4	E 008 30.4