

WAY POINT LIST

KASSEL-CALDEN

CODING			DISPLAY	
ILS/LOC Approach to RWY 09 from ELNAT				
ELNAT (IAF)	N 51 12 15.54	E 009 41 27.56	N 51 12.3	E 009 41.5
XAROL (TF)	N 51 18 52.47	E 009 02 45.22	N 51 18.9	E 009 02.8
ON R190 WRB TO FINAL APPROACH 09 [ILS- LOC]				
ILS/LOC Approach to RWY 27 from LUXUX				
LUXUX (IAF)	N 51 37 53.57	E 009 45 52.63	N 51 37.9	E 009 45.9
VK102 (TF)	N 51 31 13.53	E 009 41 30.69	N 51 31.2	E 009 41.5
VK105 (TF)	N 51 26 48.83	E 009 38 38.12	N 51 26.8	E 009 38.6
VK106 (TF)	N 51 24 29.96	E 009 37 07.84	N 51 24.5	E 009 37.1
FINAL APPROACH 27 [ILS- LOC]				
ILS/LOC Approach to RWY 27 from ELNAT				
ELNAT (IAF)	N 51 12 15.54	E 009 41 27.56	N 51 12.3	E 009 41.5
VK101 (TF)	N 51 17 20.37	E 009 39 31.97	N 51 17.3	E 009 39.5
VK103 (TF)	N 51 21 45.88	E 009 37 50.93	N 51 21.8	E 009 37.8
VK104 (TF)	N 51 24 13.88	E 009 36 54.46	N 51 24.2	E 009 36.9
FINAL APPROACH 27 [ILS- LOC]				
ILS/LOC Approach to RWY 27 from XAROL				
XAROL (IAF)	N 51 18 52.47	E 009 02 45.22	N 51 18.9	E 009 02.8
VK100 (TF)	N 51 17 38.55	E 009 32 08.05	N 51 17.6	E 009 32.1
VK103 (TF)	N 51 21 45.88	E 009 37 50.93	N 51 21.8	E 009 37.8
VK104 (TF)	N 51 24 13.88	E 009 36 54.46	N 51 24.2	E 009 36.9
FINAL APPROACH 27 [ILS- LOC]				

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RNAV (GPS) Approach to RWY 09 from LUXUX

LUXUX (IAF)	N 51 37 53.57	E 009 45 52.63	N 51 37.9	E 009 45.9
VK112 (TF)	N 51 32 33.62	E 009 18 02.32	N 51 32.6	E 009 18.0
WRB (TF)	N 51 30 20.51	E 009 06 39.29	N 51 30.3	E 009 06.7
VK113 (TF)	N 51 29 44.07	E 009 03 33.23	N 51 29.7	E 009 03.6
VK120 (IF)	N 51 26 19.30	E 009 03 06.43	N 51 26.3	E 009 03.1
ABLIB (FAF)	N 51 25 59.53	E 009 09 28.75	N 51 26.0	E 009 09.5
RW09 (MAPt)	N 51 25 18.33	E 009 22 27.31	N 51 25.3	E 009 22.5
VK130 (MATF)	N 51 24 58.88	E 009 28 25.50	N 51 25.0	E 009 28.4
VK131 (MATF)	N 51 27 37.32	E 009 31 48.05	N 51 27.6	E 009 31.8
VK132 (MATF)	N 51 32 03.47	E 009 29 29.32	N 51 32.1	E 009 29.5
WRB (MAHF)	N 51 30 20.51	E 009 06 39.29	N 51 30.3	E 009 06.7

RNAV (GPS) Approach to RWY 09 from WRB

WRB (IAF)	N 51 30 20.51	E 009 06 39.29	N 51 30.3	E 009 06.7
VK113 (TF)	N 51 29 44.07	E 009 03 33.23	N 51 29.7	E 009 03.6
VK120 (IF)	N 51 26 19.30	E 009 03 06.43	N 51 26.3	E 009 03.1
ABLIB (FAF)	N 51 25 59.53	E 009 09 28.75	N 51 26.0	E 009 09.5
RW09 (MAPt)	N 51 25 18.33	E 009 22 27.31	N 51 25.3	E 009 22.5
VK130 (MATF)	N 51 24 58.88	E 009 28 25.50	N 51 25.0	E 009 28.4
VK131 (MATF)	N 51 27 37.32	E 009 31 48.05	N 51 27.6	E 009 31.8
VK132 (MATF)	N 51 32 03.47	E 009 29 29.32	N 51 32.1	E 009 29.5
WRB (MAHF)	N 51 30 20.51	E 009 06 39.29	N 51 30.3	E 009 06.7

RNAV (GPS) Approach RWY 09 from ELNAT

ELNAT (IAF)	N 51 12 15.54	E 009 41 27.56	N 51 12.3	E 009 41.5
XAROL (TF)	N 51 18 52.47	E 009 02 45.22	N 51 18.9	E 009 02.8
VK110 (TF)	N 51 20 05.69	E 008 55 27.67	N 51 20.1	E 008 55.5
VK111 (TF)	N 51 26 39.94	E 008 56 18.09	N 51 26.7	E 008 56.3
VK120 (IF)	N 51 26 19.30	E 009 03 06.43	N 51 26.3	E 009 03.1
ABLIB (FAF)	N 51 25 59.53	E 009 09 28.75	N 51 26.0	E 009 09.5
RW09 (MAPt)	N 51 25 18.33	E 009 22 27.31	N 51 25.3	E 009 22.5
VK130 (MATF)	N 51 24 58.88	E 009 28 25.50	N 51 25.0	E 009 28.4
VK131 (MATF)	N 51 27 37.32	E 009 31 48.05	N 51 27.6	E 009 31.8
VK132 (MATF)	N 51 32 03.47	E 009 29 29.32	N 51 32.1	E 009 29.5
WRB (MAHF)	N 51 30 20.51	E 009 06 39.29	N 51 30.3	E 009 06.7

RNAV (GPS) Approach RWY 09 from XAROL

XAROL (IAF)	N 51 18 52.47	E 009 02 45.22	N 51 18.9	E 009 02.8
VK110 (TF)	N 51 20 05.69	E 008 55 27.67	N 51 20.1	E 008 55.5
VK111 (TF)	N 51 26 39.94	E 008 56 18.09	N 51 26.7	E 008 56.3
VK120 (IF)	N 51 26 19.30	E 009 03 06.43	N 51 26.3	E 009 03.1
ABLIB (FAF)	N 51 25 59.53	E 009 09 28.75	N 51 26.0	E 009 09.5
RW09 (MAPt)	N 51 25 18.33	E 009 22 27.31	N 51 25.3	E 009 22.5
VK130 (MATF)	N 51 24 58.88	E 009 28 25.50	N 51 25.0	E 009 28.4
VK131 (MATF)	N 51 27 37.32	E 009 31 48.05	N 51 27.6	E 009 31.8
VK132 (MATF)	N 51 32 03.47	E 009 29 29.32	N 51 32.1	E 009 29.5
WRB (MAHF)	N 51 30 20.51	E 009 06 39.29	N 51 30.3	E 009 06.7

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RNAV (GPS) Approach RWY 27 from WRB

WRB (IAF)	N 51 30 20.51	E 009 06 39.29	N 51 30.3	E 009 06.7
VK143 (TF)	N 51 28 22.77	E 009 39 30.24	N 51 28.4	E 009 39.5
VK150 (IF)	N 51 24 23.90	E 009 38 55.83	N 51 24.4	E 009 38.9
LALTU (FAF)	N 51 24 44.31	E 009 32 50.12	N 51 24.7	E 009 32.8
RW27 (MAPt)	N 51 25 11.36	E 009 24 36.22	N 51 25.2	E 009 24.6
VK160 (MATF)	N 51 25 43.28	E 009 14 39.17	N 51 25.7	E 009 14.7
WRB (MAHF)	N 51 30 20.51	E 009 06 39.29	N 51 30.3	E 009 06.7

RNAV (GPS) Approach RWY 27 from LUXUX

LUXUX (IAF)	N 51 37 53.57	E 009 45 52.63	N 51 37.9	E 009 45.9
VK142 (TF)	N 51 31 16.23	E 009 41 26.14	N 51 31.3	E 009 41.4
VK143 (TF)	N 51 28 22.77	E 009 39 30.24	N 51 28.4	E 009 39.5
VK150 (IF)	N 51 24 23.90	E 009 38 55.83	N 51 24.4	E 009 38.9
LALTU (FAF)	N 51 24 44.31	E 009 32 50.12	N 51 24.7	E 009 32.8
RW27 (MAPt)	N 51 25 11.36	E 009 24 36.22	N 51 25.2	E 009 24.6
VK160 (MATF)	N 51 25 43.28	E 009 14 39.17	N 51 25.7	E 009 14.7
WRB (MAHF)	N 51 30 20.51	E 009 06 39.29	N 51 30.3	E 009 06.7

RNAV (GPS) Approach to RWY 27 from ELNAT

ELNAT (IAF)	N 51 12 15.54	E 009 41 27.56	N 51 12.3	E 009 41.5
VK141 (TF)	N 51 19 03.47	E 009 40 02.75	N 51 19.1	E 009 40.0
VK150 (IF)	N 51 24 23.90	E 009 38 55.83	N 51 24.4	E 009 38.9
LALTU (FAF)	N 51 24 44.31	E 009 32 50.12	N 51 24.7	E 009 32.8
RW27 (MAPt)	N 51 25 11.36	E 009 24 36.22	N 51 25.2	E 009 24.6
VK160 (MATF)	N 51 25 43.28	E 009 14 39.17	N 51 25.7	E 009 14.7
WRB (MAHF)	N 51 30 20.51	E 009 06 39.29	N 51 30.3	E 009 06.7

RNAV (GPS) Approach to RWY 27 from XAROL

XAROL (IAF)	N 51 18 52.47	E 009 02 45.22	N 51 18.9	E 009 02.8
VK100 (TF)	N 51 17 38.55	E 009 32 08.05	N 51 17.6	E 009 32.1
VK141 (TF)	N 51 19 03.47	E 009 40 02.75	N 51 19.1	E 009 40.0
VK150 (IF)	N 51 24 23.90	E 009 38 55.83	N 51 24.4	E 009 38.9
LALTU (FAF)	N 51 24 44.31	E 009 32 50.12	N 51 24.7	E 009 32.8
RW27 (MAPt)	N 51 25 11.36	E 009 24 36.22	N 51 25.2	E 009 24.6
VK160 (MATF)	N 51 25 43.28	E 009 14 39.17	N 51 25.7	E 009 14.7
WRB (MAHF)	N 51 30 20.51	E 009 06 39.29	N 51 30.3	E 009 06.7

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GPS/FMS RNAV DEPARTURE ROUTES (OVERLAY)

IDENT	CODING		DISPLAY	
VK090	N 51 24 45.21	E 009 32 33.84	N 51 24.8	E 009 32.6
VK091	N 51 24 40.69	E 009 33 55.47	N 51 24.7	E 009 33.9
VK092	N 51 24 32.13	E 009 36 29.07	N 51 24.5	E 009 36.5
VK093	N 51 28 24.15	E 009 33 11.04	N 51 28.4	E 009 33.2
VK094	N 51 29 05.95	E 009 23 48.92	N 51 29.1	E 009 23.8
VK095	N 51 26 47.30	E 009 37 32.98	N 51 26.8	E 009 37.5
VK096	N 51 19 56.48	E 009 42 12.45	N 51 19.9	E 009 42.2
VK270	N 51 25 28.58	E 009 19 16.21	N 51 25.5	E 009 19.3
VK271	N 51 25 31.66	E 009 18 18.32	N 51 25.5	E 009 18.3
VK273	N 51 25 41.26	E 009 15 17.29	N 51 25.7	E 009 15.3
VK274	N 51 29 11.31	E 009 13 43.21	N 51 29.2	E 009 13.7
VK275	N 51 29 00.38	E 009 14 21.22	N 51 29.0	E 009 14.4
VK276	N 51 28 14.88	E 009 19 27.05	N 51 28.2	E 009 19.5
VK277	N 51 24 04.52	E 009 15 48.04	N 51 24.1	E 009 15.8
ELNAT	N 51 12 15.54	E 009 41 27.56	N 51 12.3	E 009 41.5
EMBAD	N 51 16 39.67	E 009 16 26.19	N 51 16.7	E 009 16.4
LUXUX	N 51 37 53.57	E 009 45 52.63	N 51 37.9	E 009 45.9
WERRA	N 51 28 12.03	E 009 44 02.84	N 51 28.2	E 009 44.0
XAROL	N 51 18 52.47	E 009 02 45.22	N 51 18.9	E 009 02.8
XIBIG	N 51 21 08.53	E 009 16 02.68	N 51 21.1	E 009 16.0

THRESHOLD COORDINATES

THR	CODING		DISPLAY	
RWY 09	N 51 25 18.33	E 009 22 27.31	N 51 25.3	E 009 22.5
RWY 27	N 51 25 11.36	E 009 24 36.22	N 51 25.2	E 009 24.6

WAY POINT LIST

KASSEL-CALDEN

FAS Data Block Information

DATA FIELD	DATA
OPERATION TYPE	0
SERVICE PROVIDER IDENTIFIER	1
AIRPORT IDENTIFIER	EDVK
RUNWAY	27
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	E27A
LTP/FTP LATITUDE	512511.3635N
LTP/FTP LONGITUDE	0092436.2165E
LTP/FTP ELLIPSOIDAL HEIGHT	291.2
FPAP LATITUDE	512518.3275N
FPAP LONGITUDE	0092227.3145E
THRESHOLD CROSSING HEIGHT (TCH)	50
TCH UNITS SELECTOR (METERS OR FEET)	0
GLIDEPATH ANGLE (GPA)	3.00
COURSE WIDTH AT THRESHOLD	107
LENGTH OFFSET	0
HORIZOLTAL ALERT LIMIT (HAL)	40
VERTICAL ALERT LIMIT (VAL)	50
CRC REMAINDER	4CE8FE93

FAS Data Block Information

DATA FIELD	DATA
OPERATION TYPE	0
SERVICE PROVIDER IDENTIFIER	1
AIRPORT IDENTIFIER	EDVK
RUNWAY	09
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	E09A
LTP/FTP LATITUDE	512518.3275N
LTP/FTP LONGITUDE	0092227.3145E
LTP/FTP ELLIPSOIDAL HEIGHT	307.3
FPAP LATITUDE	512511.3635N
FPAP LONGITUDE	0092436.2165E
THRESHOLD CROSSING HEIGHT (TCH)	50
TCH UNITS SELECTOR (METERS OR FEET)	0
GLIDEPATH ANGLE (GPA)	3.00
COURSE WIDTH AT THRESHOLD	107
LENGTH OFFSET	0
HORIZOLTAL ALERT LIMIT (HAL)	40
VERTICAL ALERT LIMIT (VAL)	50
CRC REMAINDER	88E47F1A