

WAY POINT LIST

DÜSSELDORF

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

RWY assignment valid for lost COM situation only. During normal operations both RWYs will be used.

		CODING		DISPLAY	
TEBRO 05					
TEBRO	F170-	N 51 53 39.00	E 006 35 16.00	N 51 53.6	E 006 35.3
DL512		N 51 46 46.63	E 006 38 01.69	N 51 46.8	E 006 38.0
VALSU	R	N 51 28 05.00	E 006 45 28.00	N 51 28.1	E 006 45.5
GAPNU	K220; R	N 51 22 44.13	E 006 44 27.11	N 51 22.7	E 006 44.5
DL530	K220; L	N 51 10 35.44	E 006 19 08.60	N 51 10.6	E 006 19.1
DL550	K220; L	N 51 06 37.77	E 006 23 59.09	N 51 06.6	E 006 24.0
DL555	L	N 51 09 03.73	E 006 29 01.54	N 51 09.1	E 006 29.0
DIKMI	A3000+; R	N 51 11 43.59	E 006 33 51.45	N 51 11.7	E 006 33.9
FINAL APPROACH 05L [ILS - LOC - RNAV (GPS)]					
XAMOD 05					
XAMOD	F140-	N 51 41 23.36	E 007 08 03.82	N 51 41.4	E 007 08.1
BOMBA	R	N 51 33 06.00	E 007 06 25.00	N 51 33.1	E 007 06.4
DL530	K220; L	N 51 10 35.44	E 006 19 08.60	N 51 10.6	E 006 19.1
DL550	K220; L	N 51 06 37.77	E 006 23 59.09	N 51 06.6	E 006 24.0
DL555	L	N 51 09 03.73	E 006 29 01.54	N 51 09.1	E 006 29.0
DIKMI	A3000+; R	N 51 11 43.59	E 006 33 51.45	N 51 11.7	E 006 33.9
FINAL APPROACH 05L [ILS - LOC - RNAV (GPS)]					
DOMUX 05					
DOMUX	F140-	N 51 25 11.46	E 007 32 10.88	N 51 25.2	E 007 32.2
DOLAV	L	N 51 25 18.00	E 007 10 19.00	N 51 25.3	E 007 10.3
DL502	K220; R	N 51 12 21.60	E 006 49 01.01	N 51 12.4	E 006 49.0
DL510	K220; R	N 51 02 39.90	E 006 28 48.74	N 51 02.7	E 006 28.8
DL550	K220; R	N 51 06 37.77	E 006 23 59.09	N 51 06.6	E 006 24.0
NATOS	A3000+	N 51 11 29.48	E 006 34 04.52	N 51 11.5	E 006 34.1
FINAL APPROACH 05R [ILS - LOC - NDB - RNAV (GPS)]					
ELDAR 05					
ELDAR	F170-	N 51 01 23.00	E 006 40 46.00	N 51 01.4	E 006 40.8
DL501	K220; L	N 51 08 22.68	E 006 53 49.09	N 51 08.4	E 006 53.8
DL502	K220; L	N 51 12 21.60	E 006 49 01.01	N 51 12.4	E 006 49.0
DL510	K220; R	N 51 02 39.90	E 006 28 48.74	N 51 02.7	E 006 28.8
DL550	K220; R	N 51 06 37.77	E 006 23 59.09	N 51 06.6	E 006 24.0
NATOS	A3000+	N 51 11 29.48	E 006 34 04.52	N 51 11.5	E 006 34.1
FINAL APPROACH 05R [ILS - LOC - NDB - RNAV (GPS)]					

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Route Description

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		CODING		DISPLAY	
BIKMU 05					
BIKMU	F150-	N 51 06 20.40	E 006 40 21.52	N 51 06.3	E 006 40.4
RONAD	K220; L	N 51 17 20.84	E 006 33 10.33	N 51 17.3	E 006 33.2
DL513	K220; R	N 51 22 39.01	E 006 28 29.04	N 51 22.7	E 006 28.5
IBIKO	K220; R	N 51 27 30.34	E 006 38 38.51	N 51 27.5	E 006 38.6
GAPNU	K220; R	N 51 22 44.13	E 006 44 27.11	N 51 22.7	E 006 44.5
DL530	K220; L	N 51 10 35.44	E 006 19 08.60	N 51 10.6	E 006 19.1
DL550	K220; L	N 51 06 37.77	E 006 23 59.09	N 51 06.6	E 006 24.0
DL555	L	N 51 09 03.73	E 006 29 01.54	N 51 09.1	E 006 29.0
DIKMI	A3000+; R	N 51 11 43.59	E 006 33 51.45	N 51 11.7	E 006 33.9
FINAL APPROACH 05L [ILS - LOC - RNAV (GPS)]					
LMA 05					
LMA		N 51 22 15.29	E 006 23 41.73	N 51 22.3	E 006 23.7
IBIKO	K220; R	N 51 27 30.34	E 006 38 38.51	N 51 27.5	E 006 38.6
GAPNU	K220; R	N 51 22 44.13	E 006 44 27.11	N 51 22.7	E 006 44.5
DL530	K220; L	N 51 10 35.44	E 006 19 08.60	N 51 10.6	E 006 19.1
DL550	K220; L	N 51 06 37.77	E 006 23 59.09	N 51 06.6	E 006 24.0
DL555	L	N 51 09 03.73	E 006 29 01.54	N 51 09.1	E 006 29.0
DIKMI	A3000+; R	N 51 11 43.59	E 006 33 51.45	N 51 11.7	E 006 33.9
FINAL APPROACH 05L [ILS - LOC - RNAV (GPS)]					
TEBRO 23					
TEBRO	F170-	N 51 53 39.00	E 006 35 16.00	N 51 53.6	E 006 35.3
AGEDA	R	N 51 46 58.61	E 007 01 17.11	N 51 47.0	E 007 01.3
XAMOD	K220; R	N 51 41 23.36	E 007 08 03.82	N 51 41.4	E 007 08.1
DL422	K220; L	N 51 34 09.90	E 006 52 41.04	N 51 34.2	E 006 52.7
DL426	K220; L	N 51 29 22.99	E 006 58 29.02	N 51 29.4	E 006 58.5
DL430	K220; R	N 51 37 47.61	E 007 16 25.25	N 51 37.8	E 007 16.4
DL450	K220; R	N 51 33 47.56	E 007 21 13.61	N 51 33.8	E 007 21.2
DL455	R	N 51 25 23.68	E 007 03 18.07	N 51 25.4	E 007 03.3
REGNO	A3000+; L	N 51 23 09.64	E 006 57 51.21	N 51 23.2	E 006 57.9
FINAL APPROACH 23R [ILS - LOC - RNAV (GPS)]					
XAMOD 23					
XAMOD	F140-	N 51 41 23.36	E 007 08 03.82	N 51 41.4	E 007 08.1
DL422	K220; L	N 51 34 09.90	E 006 52 41.04	N 51 34.2	E 006 52.7
DL426	K220; L	N 51 29 22.99	E 006 58 29.02	N 51 29.4	E 006 58.5
DL430	K220; R	N 51 37 47.61	E 007 16 25.25	N 51 37.8	E 007 16.4
DL450	K220; R	N 51 33 47.56	E 007 21 13.61	N 51 33.8	E 007 21.2
DL455	R	N 51 25 23.68	E 007 03 18.07	N 51 25.4	E 007 03.3
REGNO	A3000+; L	N 51 23 09.64	E 006 57 51.21	N 51 23.2	E 006 57.9
FINAL APPROACH 23R [ILS - LOC - RNAV (GPS)]					

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

RWY assignment valid for lost COM situation only. During normal operations both RWYs will be used.

		CODING		DISPLAY	
DOMUX 23					
DOMUX	F140-	N 51 25 11.46	E 007 32 10.88	N 51 25.2	E 007 32.2
DL405	K220; R	N 51 15 00.42	E 007 07 47.94	N 51 15.0	E 007 07.8
DL406	K220; R	N 51 18 59.91	E 007 03 00.38	N 51 19.0	E 007 03.0
DL410	K220; L	N 51 29 47.31	E 007 26 01.12	N 51 29.8	E 007 26.0
DL450	K220; L	N 51 33 47.56	E 007 21 13.61	N 51 33.8	E 007 21.2
METMA	A3000+	N 51 22 59.21	E 006 58 11.99	N 51 23.0	E 006 58.2
FINAL APPROACH 23L [ILS - LOC - RNAV (GPS)]					
BIKMU 23					
BIKMU	F150-	N 51 06 20.40	E 006 40 21.52	N 51 06.3	E 006 40.4
DL426	K220; R	N 51 29 22.99	E 006 58 29.02	N 51 29.4	E 006 58.5
DL430	K220; R	N 51 37 47.61	E 007 16 25.25	N 51 37.8	E 007 16.4
DL450	K220; R	N 51 33 47.56	E 007 21 13.61	N 51 33.8	E 007 21.2
DL455	R	N 51 25 23.68	E 007 03 18.07	N 51 25.4	E 007 03.3
REGNO	A3000+; L	N 51 23 09.64	E 006 57 51.21	N 51 23.2	E 006 57.9
FINAL APPROACH 23R [ILS - LOC - RNAV (GPS)]					
LMA 23					
LMA		N 51 22 15.29	E 006 23 41.73	N 51 22.3	E 006 23.7
DL426	K220; L	N 51 29 22.99	E 006 58 29.02	N 51 29.4	E 006 58.5
DL430	K220; R	N 51 37 47.61	E 007 16 25.25	N 51 37.8	E 007 16.4
DL450	K220; R	N 51 33 47.56	E 007 21 13.61	N 51 33.8	E 007 21.2
DL455	R	N 51 25 23.68	E 007 03 18.07	N 51 25.4	E 007 03.3
REGNO	A3000+; L	N 51 23 09.64	E 006 57 51.21	N 51 23.2	E 006 57.9
FINAL APPROACH 23R [ILS - LOC - RNAV (GPS)]					

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WAY POINT LIST

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

Additional Way Points

IDENT	CODING		DISPLAY	
DL402	N 51 21 40.63	E 007 23 43.91	N 51 21.7	E 007 23.7
DL403	N 51 19 27.47	E 007 18 24.73	N 51 19.5	E 007 18.4
DL404	N 51 17 14.06	E 007 13 06.08	N 51 17.2	E 007 13.1
DL407	N 51 21 24.17	E 007 08 06.27	N 51 21.4	E 007 08.1
DL408	N 51 23 48.21	E 007 13 12.70	N 51 23.8	E 007 13.2
DL409	N 51 26 12.02	E 007 18 19.66	N 51 26.2	E 007 18.3
DL420	N 51 38 59.10	E 007 02 55.68	N 51 39.0	E 007 02.9
DL421	N 51 36 34.62	E 006 57 48.09	N 51 36.6	E 006 57.8
DL428	N 51 31 47.45	E 007 03 35.83	N 51 31.8	E 007 03.6
DL429	N 51 34 11.68	E 007 08 43.19	N 51 34.2	E 007 08.7
DL452	N 51 30 11.95	E 007 13 31.85	N 51 30.2	E 007 13.5
DL454	N 51 27 47.93	E 007 08 24.69	N 51 27.8	E 007 08.4
DL503	N 51 09 56.50	E 006 43 57.14	N 51 09.9	E 006 44.0
DL504	N 51 07 31.19	E 006 38 53.81	N 51 07.5	E 006 38.9
DL505	N 51 05 05.65	E 006 33 51.01	N 51 05.1	E 006 33.9
DL514	N 51 25 04.79	E 006 33 33.51	N 51 25.1	E 006 33.6
DL517	N 51 29 58.68	E 006 59 44.71	N 51 30.0	E 006 59.7
DL518	N 51 27 34.05	E 006 54 38.30	N 51 27.6	E 006 54.6
DL519	N 51 25 09.20	E 006 49 32.44	N 51 25.2	E 006 49.5
DL522	N 51 20 18.83	E 006 39 22.33	N 51 20.3	E 006 39.4
DL524	N 51 15 27.57	E 006 29 14.39	N 51 15.5	E 006 29.2
DL525	N 51 13 01.62	E 006 24 11.23	N 51 13.0	E 006 24.2

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WAY POINT LIST

DÜSSELDORF

		CODING		DISPLAY	
RNAV (GPS) Approach to RWY 23R from BOT					
BOT	(IAF)	N 51 35 08.89	E 007 01 22.84	N 51 35.1	E 007 01.4
DL004	(IF)	N 51 25 34.99	E 007 02 59.14	N 51 25.6	E 007 03.0
REGNO	(FAF)	N 51 23 09.64	E 006 57 51.21	N 51 23.2	E 006 57.9
RW23R	(MAPt)	N 51 17 48.25	E 006 46 33.93	N 51 17.8	E 006 46.6
DL006	(MATF)	N 51 15 53.64	E 006 42 33.62	N 51 15.9	E 006 42.6
DL022	(MATF)	N 51 19 11.59	E 006 37 45.04	N 51 19.2	E 006 37.8
BOT	(MAHF)	N 51 35 08.89	E 007 01 22.84	N 51 35.1	E 007 01.4
RNAV (GPS) Approach to RWY 23R from BAM					
BAM	(IAF)	N 51 19 39.93	E 007 10 37.14	N 51 19.7	E 007 10.6
DL004	(IF)	N 51 25 34.99	E 007 02 59.14	N 51 25.6	E 007 03.0
REGNO	(FAF)	N 51 23 09.64	E 006 57 51.21	N 51 23.2	E 006 57.9
RW23R	(MAPt)	N 51 17 48.25	E 006 46 33.93	N 51 17.8	E 006 46.6
DL006	(MATF)	N 51 15 53.64	E 006 42 33.62	N 51 15.9	E 006 42.6
DL022	(MATF)	N 51 19 11.59	E 006 37 45.04	N 51 19.2	E 006 37.8
BOT	(MAHF)	N 51 35 08.89	E 007 01 22.84	N 51 35.1	E 007 01.4
RNAV (GPS) Approach to RWY 23L from BOT					
BOT	(IAF)	N 51 35 08.89	E 007 01 22.84	N 51 35.1	E 007 01.4
DL001	(IF)	N 51 25 22.42	E 007 03 15.39	N 51 25.4	E 007 03.3
METMA	(FAF)	N 51 22 59.21	E 006 58 11.99	N 51 23.0	E 006 58.2
RW23L	(MAPt)	N 51 17 39.43	E 006 46 58.07	N 51 17.7	E 006 47.0
DL003	(MATF)	N 51 15 40.75	E 006 42 49.21	N 51 15.7	E 006 42.8
DL021	(MATF)	N 51 18 45.84	E 006 38 13.40	N 51 18.8	E 006 38.2
BOT	(MAHF)	N 51 35 08.89	E 007 01 22.84	N 51 35.1	E 007 01.4
RNAV (GPS) Approach to RWY 23L from BAM					
BAM	(IAF)	N 51 19 39.93	E 007 10 37.14	N 51 19.7	E 007 10.6
DL001	(IF)	N 51 25 22.42	E 007 03 15.39	N 51 25.4	E 007 03.3
METMA	(FAF)	N 51 22 59.21	E 006 58 11.99	N 51 23.0	E 006 58.2
RW23L	(MAPt)	N 51 17 39.43	E 006 46 58.07	N 51 17.7	E 006 47.0
DL003	(MATF)	N 51 15 40.75	E 006 42 49.21	N 51 15.7	E 006 42.8
DL021	(MATF)	N 51 18 45.84	E 006 38 13.40	N 51 18.8	E 006 38.2
BOT	(MAHF)	N 51 35 08.89	E 007 01 22.84	N 51 35.1	E 007 01.4

DÜSSELDORF

WAY POINT LIST

CODING

DISPLAY

| RNAV (GPS) Approach to RWY 05L from RONAD

	RONAD	(IAF)	N 51 17 20.84	E 006 33 10.33	N 51 17.3	E 006 33.2
	DL016	(TF)	N 51 13 13.94	E 006 23 54.40	N 51 13.2	E 006 23.9
	DL017	(IF)	N 51 09 16.07	E 006 28 44.76	N 51 09.3	E 006 28.7
	DIKMI	(FAF)	N 51 11 43.59	E 006 33 51.45	N 51 11.7	E 006 33.9
	RW05L	(MAPt)	N 51 17 07.13	E 006 45 07.64	N 51 17.1	E 006 45.1
	DL019	(MATF)	N 51 18 54.70	E 006 48 53.56	N 51 18.9	E 006 48.9
	DL020	(MATF)	N 51 22 56.28	E 006 46 34.41	N 51 22.9	E 006 46.6
	LMA	(MAHF)	N 51 22 15.29	E 006 23 41.73	N 51 22.3	E 006 23.7

RNAV (GPS) Approach to RWY 05L from LEBTI

	LEBTI	(IAF)	N 51 08 01.40	E 006 44 01.38	N 51 08.0	E 006 44.0
	DL010	(TF)	N 51 04 03.65	E 006 35 04.47	N 51 04.1	E 006 35.1
	DL017	(IF)	N 51 09 16.07	E 006 28 44.76	N 51 09.3	E 006 28.7
	DIKMI	(FAF)	N 51 11 43.59	E 006 33 51.45	N 51 11.7	E 006 33.9
	RW05L	(MAPt)	N 51 17 07.13	E 006 45 07.64	N 51 17.1	E 006 45.1
	DL019	(MATF)	N 51 18 54.70	E 006 48 53.56	N 51 18.9	E 006 48.9
	DL020	(MATF)	N 51 22 56.28	E 006 46 34.41	N 51 22.9	E 006 46.6
	LMA	(MAHF)	N 51 22 15.29	E 006 23 41.73	N 51 22.3	E 006 23.7

| RNAV (GPS) Approach to RWY 05R from RONAD

	RONAD	(IAF)	N 51 17 20.84	E 006 33 10.33	N 51 17.3	E 006 33.2
	DL011	(TF)	N 51 13 01.08	E 006 24 10.12	N 51 13.0	E 006 24.2
	DL012	(IF)	N 51 09 03.20	E 006 29 00.43	N 51 09.1	E 006 29.0
	NATOS	(FAF)	N 51 11 29.48	E 006 34 04.52	N 51 11.5	E 006 34.1
	RW05R	(MAPt)	N 51 16 52.45	E 006 45 19.47	N 51 16.9	E 006 45.3
	DL014	(MATF)	N 51 18 41.82	E 006 49 09.18	N 51 18.7	E 006 49.2
	DL015	(MATF)	N 51 22 43.61	E 006 46 53.22	N 51 22.7	E 006 46.9
	LMA	(MAHF)	N 51 22 15.29	E 006 23 41.73	N 51 22.3	E 006 23.7

RNAV (GPS) Approach to RWY 05R from LEBTI

	LEBTI	(IAF)	N 51 08 01.40	E 006 44 01.38	N 51 08.0	E 006 44.0
	DL010	(TF)	N 51 04 03.65	E 006 35 04.47	N 51 04.1	E 006 35.1
	DL012	(IF)	N 51 09 03.20	E 006 29 00.43	N 51 09.1	E 006 29.0
	NATOS	(FAF)	N 51 11 29.48	E 006 34 04.52	N 51 11.5	E 006 34.1
	RW05R	(MAPt)	N 51 16 52.45	E 006 45 19.47	N 51 16.9	E 006 45.3
	DL014	(MATF)	N 51 18 41.82	E 006 49 09.18	N 51 18.7	E 006 49.2
	DL015	(MATF)	N 51 22 43.61	E 006 46 53.22	N 51 22.7	E 006 46.9
	LMA	(MAHF)	N 51 22 15.29	E 006 23 41.73	N 51 22.3	E 006 23.7

WAY POINT LIST

DÜSSELDORF

GPS/FMS RNAV DEPARTURE ROUTES (OVERLAY)

IDENT	CODING		DISPLAY	
DL050	N 51 19 53.79	E 006 51 42.56	N 51 19.9	E 006 51.7
DL051	N 51 20 28.59	E 006 53 00.51	N 51 20.5	E 006 53.0
DL052	N 51 24 41.81	E 006 50 14.15	N 51 24.7	E 006 50.2
DL053	N 51 21 02.47	E 006 54 16.39	N 51 21.0	E 006 54.3
DL058	N 51 21 15.66	E 006 54 45.95	N 51 21.3	E 006 54.8
DL230	N 51 16 17.78	E 006 44 04.71	N 51 16.3	E 006 44.1
DL231	N 51 16 30.14	E 006 43 50.04	N 51 16.5	E 006 43.8
DL232	N 51 19 43.32	E 006 41 43.77	N 51 19.7	E 006 41.7
DL233	N 51 20 15.40	E 006 41 43.86	N 51 20.3	E 006 41.7
DL234	N 51 17 39.48	E 006 40 53.29	N 51 17.7	E 006 40.9
DL235	N 51 17 24.85	E 006 41 08.44	N 51 17.4	E 006 41.1
DL236	N 51 15 51.46	E 006 43 08.01	N 51 15.9	E 006 43.1
DL237	N 51 15 59.02	E 006 42 44.82	N 51 16.0	E 006 42.7
DL238	N 51 19 12.48	E 006 32 59.13	N 51 19.2	E 006 33.0
DL239	N 51 13 28.03	E 006 37 59.54	N 51 13.5	E 006 38.0
DL240	N 51 13 25.23	E 006 37 59.99	N 51 13.4	E 006 38.0
DL241	N 51 07 43.20	E 006 38 54.64	N 51 07.7	E 006 38.9
DL242	N 51 09 12.37	E 007 20 06.64	N 51 09.2	E 007 20.1
DL243	N 51 13 38.14	E 006 38 21.26	N 51 13.6	E 006 38.4
DL244	N 51 08 43.03	E 007 05 46.75	N 51 08.7	E 007 05.8
DL247	N 51 13 37.03	E 006 38 22.68	N 51 13.6	E 006 38.4
ANAVI	N 51 18 43.07	E 007 23 18.45	N 51 18.7	E 007 23.3
BETZO	N 50 58 00.02	E 007 44 11.04	N 50 58.0	E 007 44.2
DEGOM	N 51 09 51.15	E 007 40 25.88	N 51 09.9	E 007 40.4
DODEN	N 50 36 08.12	E 008 05 35.70	N 50 36.1	E 008 05.6
ELBAL	N 51 09 25.41	E 007 26 46.52	N 51 09.4	E 007 26.8
ERKUM	N 51 37 11.95	E 006 41 46.66	N 51 37.2	E 006 41.8
KULIX	N 51 21 04.82	E 008 14 50.05	N 51 21.1	E 008 14.8
KUMIK	N 50 50 11.71	E 008 04 23.97	N 50 50.2	E 008 04.4
LIPMI	N 51 07 06.32	E 007 16 08.33	N 51 07.1	E 007 16.1
LUSIX	N 51 42 24.50	E 006 53 05.58	N 51 42.4	E 006 53.1
MAMIB	N 51 13 18.86	E 007 42 37.19	N 51 13.3	E 007 42.6
MEVEL	N 51 51 17.18	E 007 12 34.23	N 51 51.3	E 007 12.6
MODRU	N 51 01 02.96	E 006 05 24.28	N 51 01.0	E 006 05.4
NETEX	N 51 19 40.87	E 006 16 16.88	N 51 19.7	E 006 16.3
NIKOG	N 51 29 49.25	E 006 56 36.85	N 51 29.8	E 006 56.6
NUDGO	N 51 24 49.05	E 008 26 27.39	N 51 24.8	E 008 26.5
ORSOV	N 51 33 44.11	E 006 40 15.02	N 51 33.7	E 006 40.3
SONEB	N 52 01 25.00	E 006 45 51.00	N 52 01.4	E 006 45.8
UBORO	N 51 22 29.70	E 006 27 00.19	N 51 22.5	E 006 27.0
VEBAK	N 51 27 28.72	E 006 20 53.04	N 51 27.5	E 006 20.9

THRESHOLD COORDINATES

THR	CODING		DISPLAY	
RWY 05L	N 51 17 07.13	E 006 45 07.64	N 51 17.1	E 006 45.1
RWY 05R	N 51 16 52.45	E 006 45 19.47	N 51 16.9	E 006 45.3
RWY 23L	N 51 17 39.43	E 006 46 58.07	N 51 17.7	E 006 47.0
RWY 23R	N 51 17 48.25	E 006 46 33.93	N 51 17.8	E 006 46.6