

# Worldwide Soaring Turnpoint Exchange

## Unofficial Coordinates for the Grefrath-Niershorst [Ka-6], Germany Control Points

Contest: Ka 6 Meeting, 2017

Courtesy of Sportflugzeugbau Antwerpen GmbH ( info@ltb-antwerpen.de )

Dated: 05 April 2017

Magnetic Variation: 0.5E

Time zone: MET, Summer offset from GMT is 2:00 and in Winter it is 1:00.

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LSV Grenzland

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*Printed Monday, 14 August 2017 at 03:12 GMT*

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expressed or implied.

User assumes all risk of use.

<i>Number</i>	<i>Name</i>	<i>Latitude</i> ° ' "	<i>Longitude</i> ° ' "	<i>Latitude</i> ° ' "	<i>Longitude</i> ° ' "	<i>Elevation</i> <i>METERS</i>	<i>Codes</i> *	<i>Comment</i>	<i>ID</i>	<i>Distance</i> <i>Km</i>	<i>Bearing</i>
1	Krefeld Egelsberg	51 23 04 N	6 35 08 E	51 23,067 N	6 35,133 E	43	AT	Bahnmitte	001	17	71
2	Kappes A1	51 24 53 N	6 28 46 E	51 24,883 N	6 28,767 E	30	S	Kappes Abflugpunkt 1A40 Abfahrt Kerken	002	12	43
3	Kappes A2	51 27 36 N	6 35 32 E	51 27,600 N	6 35,533 E	25	S	Kappes Abflugpunkt 2A57 Abfahrt Moers Hülsdonk	KAPPESA2	21	49
4	Kappes L1	51 22 28 N	6 30 39 E	51 22,467 N	6 30,650 E	21	F	Kappes Ziellinienanflugpunkt 1Kirche Krefeld Hüls	KAPPESL1	11	67
5	Kappes L2	51 25 32 N	6 39 07 E	51 25,533 N	6 39,117 E	25	F	Kappes Ziellinienanflugpunkt Moers Schwafheim	KAPPESL2	23	64
6	Krefeld ZL West	51 22 56 N	6 34 48 E	51 22,933 N	6 34,800 E	43	FD	Ziellinie Westseite	006ZLW	16	71
7	Krefeld ZL Ost	51 23 13 N	6 35 37 E	51 23,217 N	6 35,617 E	43	FD	Ziellinie Ostseite	007ZLO	17	70
8	Aachen Merzbrück	50 49 23 N	6 11 11 E	50 49,383 N	6 11,183 E	189	AT		AACHE	58	193
10	Aarbach	51 29 49 N	8 43 11 E	51 29,817 N	8 43,183 E	330	T	Staumauer	AARBAC	165	83
11	Achmer	52 22 39 N	7 54 49 E	52 22,650 N	7 54,817 E	55	AT		ACHME	158	42

Number	Name	Latitude	Longitude	Latitude	Longitude	Elevation Codes*			Comment	ID	DistanceBearing	
		° ' "	° ' "	° ' "	° ' "	METERS					Km	
12	Ahaus	52 04 53 N	7 01 00 E	52 04,883 N	7 01,000 E	49	T	Bf		AHAUS BF	95	29
13	Ahlen	51 45 40 N	7 53 42 E	51 45,667 N	7 53,700 E	84	T	Bf		AHLEN BF	116	66
14	Ahlhorn Mil	52 53 03 N	8 14 00 E	52 53,050 N	8 14,000 E	49	YT			AHLHO	215	36
15	Ailertchen	50 35 36 N	7 56 42 E	50 35,600 N	7 56,700 E	469	AT			AILER	138	126
16	Allendorf	51 02 07 N	8 40 45 E	51 02,117 N	8 40,750 E	357	AT			ALLEN	165	101
17	Alte Ems Herbrum	53 01 51 N	7 18 20 E	53 01,850 N	7 18,333 E	2	DT			ALTEE	199	19
18	Altena Hegenscheid	51 18 47 N	7 42 13 E	51 18,783 N	7 42,217 E	472	AT			ALTEH	93	91
19	Amöneburg	50 47 26 N	8 54 29 E	50 47,433 N	8 54,483 E	230	DT			AMOEN	188	108
21	Arnsberg Ruhrwiesen	51 23 15 N	8 03 38 E	51 23,250 N	8 03,633 E	180	DT			ARNRW	118	87
22	Arolsen Twistese	51 23 03 N	9 03 49 E	51 23,050 N	9 03,817 E	195	T			AROLST	188	88
23	Asslarer Hütte	50 35 59 N	8 26 38 E	50 35,983 N	8 26,633 E	232	DT			ASSLA	167	119
24	Attendorf-Finnentrop	51 08 46 N	7 56 13 E	51 08,767 N	7 56,217 E	317	AT			ATTEN	112	101
25	Aurich	53 27 41 N	7 30 25 E	53 27,683 N	7 30,417 E	5	T	Tv 763Ft		AURICH	249	18
26	Bad Marienberg Oberrossback	50 39 39 N	8 01 43 E	50 39,650 N	8 01,717 E	527	DT			BADMA	139	122
27	Bad Neuenahr-Ahrweiler	50 33 31 N	7 08 12 E	50 33,517 N	7 08,200 E	204	AT			BADNE	102	148
28	Bad Pyrmont	51 58 03 N	9 17 35 E	51 58,050 N	9 17,583 E	360	AT			BADPY	214	70
29	Bad Salzuffen	52 03 57 N	8 45 31 E	52 03,950 N	8 45,517 E	137	LT			BADSA2	184	63
30	Bad Wildungen auf der Schaufel	51 05 38 N	9 08 54 E	51 05,633 N	9 08,900 E	310	DT			BAWIL	196	97
31	Bad Zwischenahn-Rostrup	53 12 37 N	7 59 19 E	53 12,617 N	7 59,317 E	9	DT			BADZW	236	28
32	Barenburg Aue	52 36 56 N	8 47 57 E	52 36,933 N	8 47,950 E	34	T	X B61		BARENB	220	49
33	Barnstorf	52 42 08 N	8 30 12 E	52 42,133 N	8 30,200 E	31	T	Eb X Hunte		BARNSX	211	44
34	Barssel	53 09 49 N	7 47 34 E	53 09,817 N	7 47,567 E	3	AT			BARSS	226	26
35	Bassum	52 49 58 N	8 41 38 E	52 49,967 N	8 41,633 E	52	T	Tv 586Ft		BASSUM	231	43
38	Bell Hundheim	50 01 38 N	7 25 19 E	50 01,633 N	7 25,317 E	437	LT			BELHU2	163	153
39	Bergheim Flp	50 58 43 N	6 36 31 E	50 58,717 N	6 36,517 E	70	DT			BERGH	43	157
40	Bergheim B248	51 10 12 N	9 06 23 E	51 10,200 N	9 06,383 E	200	T	X Eder		BERGHE	192	95
42	Bergneustadt auf dem Dümpel	51 03 07 N	7 42 23 E	51 03,117 N	7 42,383 E	488	AT			BERGN	99	108
43	Bernkastel	49 54 56 N	7 04 24 E	49 54,933 N	7 04,400 E	107	T	Br Mosel		BERNKA	166	163
44	Bersenbrück	52 33 02 N	7 56 33 E	52 33,033 N	7 56,550 E	43	T	Bf		BERSEN	173	39
45	Betzdorf-Kirchen	50 49 01 N	7 49 49 E	50 49,017 N	7 49,817 E	334	AT			BETZD	118	119
47	Biedenkopf Sackpfeife	50 57 04 N	8 31 56 E	50 57,067 N	8 31,933 E	658	T			BIEDEV	157	105
48	Bielefeld Hünenburg	52 00 52 N	8 28 26 E	52 00,867 N	8 28,433 E	310	T			BIELEV	164	62
49	Bielefeld-Windelsbleiche	51 57 53 N	8 32 41 E	51 57,883 N	8 32,683 E	137	AT			BIELE	166	65
50	Biggese	51 06 39 N	7 53 15 E	51 06,650 N	7 53,250 E	307	T	Staumauer		BIGGES	109	103
51	Bitburg	49 56 43 N	6 33 54 E	49 56,717 N	6 33,900 E	372	AT			BITBU	155	175
53	Blomberg-Borkhausen	51 55 05 N	9 06 48 E	51 55,083 N	9 06,800 E	165	AT			BLOMB	201	71
54	Bocholt Aasee Br	51 50 01 N	6 37 44 E	51 50,017 N	6 37,733 E	27	T			BOCHOA	59	19
55	Bohlenberger Feld	53 25 06 N	7 54 15 E	53 25,100 N	7 54,250 E	8	DT			BOHFE	254	24
56	Bohmte Bad Essen	52 21 05 N	8 19 34 E	52 21,083 N	8 19,567 E	46	AT			BOHMT	176	50
58	Boppard Sued	50 11 10 N	7 36 17 E	50 11,167 N	7 36,283 E	531	T	Tv		BOPPAR	155	146
59	Borghorst Füchten	52 09 03 N	7 27 10 E	52 09,050 N	7 27,167 E	39	DT			BORGH	118	40

Number	Name	Latitude	Longitude	Latitude	Longitude	Elevation Codes*		Comment	ID	Distance Bearing	
		° ' "	° ' "	° ' "	° ' "	METERS				Km	
60	Borken Hoxfeld	51 51 12 N	6 48 53 E	51 51,200 N	6 48,883 E	49	AT		BORKH	66	29
61	Borkenberge	51 46 43 N	7 17 07 E	51 46,717 N	7 17,117 E	49	AT		BORKE	81	52
62	Bottenhorn	50 47 42 N	8 27 38 E	50 47,700 N	8 27,633 E	516	AT		BOTTE	159	112
63	Bottenhorn Angelburg	50 47 17 N	8 25 44 E	50 47,283 N	8 25,733 E	609	T		BOTTEN	157	112
64	Braunfels	50 31 32 N	8 23 35 E	50 31,533 N	8 23,583 E	240	DT		BRAUF	168	122
65	Breitscheid Flp	50 40 37 N	8 10 08 E	50 40,617 N	8 10,133 E	558	AT		BREIT	146	120
66	Breitscheid Höllberg	50 38 41 N	8 09 01 E	50 38,683 N	8 09,017 E	643	T		BREITV	147	121
67	Brilon	51 24 09 N	8 38 31 E	51 24,150 N	8 38,517 E	460	AT		BRIL0	159	87
68	Brockzetel	53 28 53 N	7 39 06 E	53 28,883 N	7 39,100 E	9	DT		BRO CZ	254	20
69	Niederkrüchten	51 11 54 N	6 13 11 E	51 11,900 N	6 13,183 E	58	T		069NDKR	18	213
70	Büchel Mil	50 10 26 N	7 03 48 E	50 10,433 N	7 03,800 E	479	YT		BUECH	138	159
71	Bückeberg	52 15 31 N	9 12 00 E	52 15,517 N	9 12,000 E	367	T	1560Ft	BUECKE	221	62
74	Cloppenburg Pfanni	52 50 49 N	8 02 42 E	52 50,817 N	8 02,700 E	33	T		CLOPPP	204	34
75	Cochem	50 08 50 N	7 10 06 E	50 08,833 N	7 10,100 E	92	T	Str X Mosel	COCHES	144	157
76	Coesfeld	51 56 23 N	7 09 49 E	51 56,383 N	7 09,817 E	81	T	Bf	COESFDBF	87	40
77	Dahlemer Binz	50 24 20 N	6 31 44 E	50 24,333 N	6 31,733 E	579	AT		DAHLE	104	174
78	Damme	52 29 15 N	8 11 10 E	52 29,250 N	8 11,167 E	46	AT		DAMME	179	44
79	Dankern Haren Ul	52 48 09 N	7 09 34 E	52 48,150 N	7 09,567 E	15	zT		DANKE2	172	19
80	Dauborn	50 19 18 N	8 11 38 E	50 19,300 N	8 11,633 E	160	AT		DAUBO	171	131
81	Daun Senheld	50 10 33 N	6 51 28 E	50 10,550 N	6 51,467 E	525	DT		DAUNS	133	165
82	Daun Tv	50 13 07 N	6 45 03 E	50 13,117 N	6 45,050 E	674	T	3202Ft S	DAUNTV	127	168
84	Dehausen Diemels	51 27 58 N	9 02 58 E	51 27,967 N	9 02,967 E	303	DT		DEHAU	187	85
85	Der Dingel Hümmel	51 32 10 N	9 22 47 E	51 32,167 N	9 22,783 E	215	DT		DERDI	211	83
86	Detmold Flp	51 56 27 N	8 54 17 E	51 56,450 N	8 54,283 E	196	AT		DETMO	188	68
87	Detmold Tv	51 55 56 N	8 53 55 E	51 55,933 N	8 53,917 E	180	T	820Ft	DETMOV	187	69
91	Diemelsee	51 22 40 N	8 43 40 E	51 22,667 N	8 43,667 E	374	T	Staumauer	DIEMEL	165	88
92	Diepholz Eb	52 36 41 N	8 23 13 E	52 36,683 N	8 23,217 E	36	T	X B214	DIEPHX	199	44
93	Diepholz Mil	52 35 08 N	8 20 26 E	52 35,133 N	8 20,433 E	40	YT		DIEPH	194	44
94	Dierdorf Wienau	50 33 59 N	7 39 14 E	50 33,983 N	7 39,233 E	290	AT		DIERD	125	133
95	Dinslaken Schwarze Heide	51 36 59 N	6 51 56 E	51 36,983 N	6 51,933 E	67	AT		DINSL	47	48
98	Donstorf Ul	52 39 18 N	8 33 25 E	52 39,300 N	8 33,417 E	40	zT		DONST2	210	45
99	Dorsten Kanal	51 39 42 N	6 59 08 E	51 39,700 N	6 59,133 E	35	DT		DORST	57	50
101	Drensteinfurt	51 45 52 N	7 45 29 E	51 45,867 N	7 45,483 E	71	LT		DRENS2	108	64
102	Düren-Hürtgenwald	50 41 37 N	6 25 06 E	50 41,617 N	6 25,100 E	358	DT		DUERE	71	177
105	Edersee	51 11 00 N	9 03 32 E	51 11,000 N	9 03,533 E	247	T		EDERSE	189	95
106	Eisbergen Weser	52 11 52 N	9 01 12 E	52 11,867 N	9 01,200 E	52	T		EISBER	207	62
107	Ellerspringe	49 54 47 N	7 36 45 E	49 54,783 N	7 36,750 E	653	T	Tv	ELLERS	181	151
108	Elverlingsen	51 16 30 N	7 42 25 E	51 16,500 N	7 42,417 E	180	T	Kw	ELVERL	94	94
109	Elz	50 25 37 N	8 00 40 E	50 25,617 N	8 00,667 E	213	AT		ELZ	154	131
110	Emden	53 23 28 N	7 13 32 E	53 23,467 N	7 13,533 E	1	AT		EMDEN	236	15
111	Emlichheim	52 36 31 N	6 51 14 E	52 36,517 N	6 51,233 E	13	T	Silos	EMLICS	146	14

Number	Name	Latitude	Longitude	Latitude	Longitude	Elevation	Codes*	Comment	ID	Distance/Bearing	
		° ' "	° ' "	° ' "	° ' "	METERS				Km	
114	Emsdetten	52 11 02 N	7 32 35 E	51 11,033 N	7 32,583 E	35	T	Ems X L590	EMSDEX	125	41
115	Engter Sender	52 22 29 N	8 01 47 E	52 22,483 N	8 01,783 E	141	T	1332Ft	ENGTER	163	45
116	Engter Silo	52 24 26 N	8 02 59 E	52 24,433 N	8 02,983 E	51	T		ENGTES	166	44
117	Ennepesee	51 14 28 N	7 24 35 E	51 14,467 N	7 24,583 E	307	T	Staumauer	ENNEPE	74	98
119	Erkelenz Kückhoven	51 03 55 N	6 21 32 E	51 03,917 N	6 21,533 E	86	LT		ERKEL2	30	181
120	Ernzen	49 49 44 N	6 26 08 E	49 49,733 N	6 26,133 E	345	zT		ERNZE2	167	179
122	Eudenbach	50 40 21 N	7 21 55 E	50 40,350 N	7 21,917 E	299	DT		EUDEN	102	136
123	Fredeburg Hunau	51 12 22 N	8 22 38 E	51 12,367 N	8 22,633 E	788	T		FREDEB	141	95
124	Friesoythe Ulm	53 01 46 N	7 48 00 E	53 01,767 N	7 48,000 E	7	zT		FRIUL	213	27
125	Fürstenau	52 31 05 N	7 40 02 E	52 31,083 N	7 40,033 E	50	T	Eb X B214	FUERSX	159	34
127	Garbenheimer Wiesen	50 34 30 N	8 31 55 E	50 34,500 N	8 31,917 E	151	DT		GARBE	174	119
129	Giessen Dünsber	50 39 03 N	8 34 50 E	50 39,050 N	8 34,833 E	490	T		GIESSV	173	116
130	Giessen Lützellinden	50 32 38 N	8 35 25 E	50 32,633 N	8 35,417 E	232	AT		GIESS	179	119
131	Giessen Wieseck	50 36 15 N	8 43 43 E	50 36,250 N	8 43,717 E	165	DT		GIESW	185	116
134	<b>Grefrath-Niershorst</b>	51 20 02 N	6 21 34 E	51 20,033 N	6 21,567 E	34	HSFDT		GREFR		
138	Gütersloh Mil	51 55 23 N	8 18 23 E	51 55,383 N	8 18,383 E	73	YT		GUETE	149	64
139	Hagen Hof	51 18 27 N	7 25 37 E	51 18,450 N	7 25,617 E	200	DT		HAGEN	74	92
140	Haltern	51 45 56 N	7 07 04 E	51 45,933 N	7 07,067 E	143	T	TV	HALTEV	71	48
141	Halver im Heede	51 10 26 N	7 30 16 E	51 10,433 N	7 30,267 E	418	DT		HALVE	82	103
142	Hameln	52 06 19 N	9 21 05 E	52 06,317 N	9 21,083 E	68	T	B1 X Weser	HAMELN	223	67
145	Haren	52 47 05 N	7 15 03 E	52 47,083 N	7 15,050 E	10	T	B408 X Ems Br	HARENX	172	21
146	Haselünne	52 40 16 N	7 29 11 E	52 40,267 N	7 29,183 E	25	T	B213 X	HASEBR	168	27
148	Heinsberg Aphoven	51 02 48 N	6 03 00 E	51 02,800 N	6 03,000 E	67	LT		HEINS2	39	215
150	Hennesee	51 20 11 N	8 16 25 E	51 20,183 N	8 16,417 E	323	T	Staumauer	HENNES	133	90
151	Herford Falkendieker	52 09 56 N	8 39 59 E	52 09,933 N	8 39,983 E	82	LT		HERFO2	184	59
152	Herzhausen	51 10 56 N	8 53 20 E	51 10,933 N	8 53,333 E	250	T	B252 X Eder	HERZHE	177	95
153	Hessischoldendf	52 09 29 N	9 14 57 E	52 09,483 N	9 14,950 E	61	T		HESSIX	219	65
154	Hilden Kesselweier	51 11 14 N	6 58 29 E	51 11,233 N	6 58,483 E	90	DT		HILDK	46	111
155	Hille Nordhemme	52 20 08 N	8 49 42 E	52 20,133 N	8 49,700 E	57	LT		HILLE2	203	56
156	Hinterweiler	50 14 38 N	6 45 04 E	50 14,633 N	6 45,067 E	597	LT		HINTE2	124	168
157	Hirzenhain	50 47 17 N	8 23 34 E	50 47,283 N	8 23,567 E	521	AT		HIRZE	155	113
158	Hirzenhain Nordwest	50 48 04 N	8 22 39 E	50 48,067 N	8 22,650 E	550	LT		HIRZN2	153	113
159	Hölleberg	51 36 40 N	9 23 51 E	51 36,667 N	9 23,850 E	256	AT		HOELL	213	81
160	Hörbach	50 40 06 N	8 15 38 E	50 40,100 N	8 15,633 E	330	DT		HOERB	152	119
161	Höxter-Holzminden	51 48 23 N	9 22 42 E	51 48,383 N	9 22,700 E	284	AT		HOEXT	215	75
162	Hofgeismar	51 31 12 N	9 20 59 E	51 31,200 N	9 20,983 E	356	T	Tv 1546Ft	HOFGEV	208	84
165	Hopsten Mil	52 20 19 N	7 32 29 E	52 20,317 N	7 32,483 E	40	YT		HOPST	138	36
167	Hünsborn	50 55 44 N	7 53 57 E	50 55,733 N	7 53,950 E	399	AT		HUENS	116	113
168	Hürtgenwald	50 44 13 N	6 24 12 E	50 44,217 N	6 24,200 E	380	T	Tv	HUERTG	66	178
169	Ibbenbüren B219	52 13 09 N	7 40 41 E	52 13,150 N	7 40,683 E	48	T		IBBENB	134	43
170	Ibbenbüren KW	52 17 15 N	7 44 54 E	52 17,250 N	7 44,900 E	169	T		IBBENK	143	42

Number	Name	Latitude	Longitude	Latitude	Longitude	Elevation	Codes*	Comment	ID	DistanceBearing	
		° ' "	° ' "	° ' "	° ' "	METERS				Km	
171	Idarkopf Aussichtsturm	49 51 43 N	7 16 12 E	49 51,717 N	7 16,200 E	741	T		IDARKO	176	159
174	Kahler Asten	51 10 46 N	8 29 21 E	51 10,767 N	8 29,350 E	841	T	Aussichtsturm	KAHLER	149	96
177	Kassel	51 18 51 N	9 20 46 E	51 18,850 N	9 20,767 E	597	T	Tv 2571Ft	KASSEV	208	91
178	Katzenloch	49 46 32 N	7 13 26 E	49 46,533 N	7 13,433 E	465	T	Staumauer	KATZEN	184	161
181	Koblenz-Winningen	50 19 32 N	7 31 43 E	50 19,533 N	7 31,717 E	195	AT		KOBLE	139	144
182	Konz	49 42 20 N	6 34 24 E	49 42,333 N	6 34,400 E	131	T	Eb X Mosel Br	KONZEB	182	176
183	Konz Könen	49 40 34 N	6 32 35 E	49 40,567 N	6 32,583 E	215	DT		KONZK	185	176
184	Korbach	51 15 14 N	8 52 34 E	51 15,233 N	8 52,567 E	390	AT		KORBA	175	92
186	Kühkopf	50 18 33 N	7 34 11 E	50 18,550 N	7 34,183 E	383	T	Tv	KUEHKO	142	143
187	Landesbergen	52 32 45 N	9 06 47 E	52 32,750 N	9 06,783 E	31	T	Kw	LANDES	232	54
188	Langenfeld-Wiescheid	51 08 28 N	6 59 07 E	51 08,467 N	6 59,117 E	86	DT		LANWI	49	116
190	Lathen	52 51 58 N	7 18 36 E	52 51,967 N	7 18,600 E	8	T	Str X Ems Br	LATHEB	182	21
191	Laufenselden	50 13 18 N	7 59 55 E	50 13,300 N	7 59,917 E	400	DT		LAUFE	169	137
192	Leer Papenburg	53 16 20 N	7 26 35 E	53 16,333 N	7 26,583 E	1	AT		LEERN	228	19
193	Legden Osterwick	52 01 07 N	7 11 00 E	52 01,117 N	7 11,000 E	112	T		LEGDEV	95	37
195	Leverkusen	51 00 55 N	7 00 22 E	51 00,917 N	7 00,367 E	49	AT		LEVER	57	128
196	Liebenau	52 36 15 N	9 05 41 E	52 36,250 N	9 05,683 E	26	T	Br Str X Aue	LIEBEX	235	52
197	Lindern	52 50 30 N	7 44 56 E	52 50,500 N	7 44,933 E	43	T	Tv 631Ft	LINDEV	193	29
198	Lindlar	50 59 50 N	7 22 39 E	50 59,833 N	7 22,650 E	311	DT		LINDL	80	118
199	Lingen DEK	52 29 41 N	7 17 45 E	52 29,683 N	7 17,750 E	22	T	X B213	LINGDE	144	27
200	Lingen Eb	52 33 47 N	7 19 19 E	52 33,783 N	7 19,317 E	25	T	X B70 Nord	LINGEX	152	26
201	Lingen Kkw	52 28 55 N	7 18 22 E	52 28,917 N	7 18,367 E	27	T	573Ft	LINGEK	143	27
202	Lingen Südl	52 28 22 N	7 19 01 E	52 28,367 N	7 19,017 E	31	T	Kw	LINGES	143	28
203	Lingen Tv	52 30 41 N	7 17 14 E	52 30,683 N	7 17,233 E	23	T	594Ft	LINGEV	146	26
204	Linnich UL	50 57 47 N	6 20 16 E	50 57,783 N	6 20,267 E	104	zT		LINNI2	41	183
205	Lippstadt	51 40 35 N	8 21 29 E	51 40,583 N	8 21,483 E	76	T	Eb X Lippe	LIPPST	143	74
207	Lohmar Birk	50 49 45 N	7 16 48 E	50 49,750 N	7 16,800 E	217	T	Tv 1129Ft	LOHMAR	85	131
208	Lübbecke TV	52 17 32 N	8 38 26 E	52 17,533 N	8 38,433 E	320	T	Heidrink	LUBBEC	190	55
209	Lübbecke Eb	52 20 08 N	8 36 36 E	52 20,133 N	8 36,600 E	51	T	X MLK	LUEBXC	191	54
210	Lüdge Kötersberg	51 51 19 N	9 19 31 E	51 51,317 N	9 19,517 E	492	T		LUEDGE	213	74
213	Marburg Kornberg	50 49 30 N	8 47 41 E	50 49,500 N	8 47,683 E	360	T		MARBUV	179	108
214	Marburg-Schönstadt	50 52 26 N	8 48 53 E	50 52,433 N	8 48,883 E	253	AT		MARBU	179	106
216	Marl-Lömühle EDLM 1	51 38 49 N	7 09 49 E	51 38,817 N	7 09,817 E	73	AT		MARLL	66	58
217	Marl-Lömühle EDLM 2	51 38 51 N	7 09 34 E	51 38,850 N	7 09,567 E	75	T		MARLLO	65	58
219	Meinerzhagen	51 05 59 N	7 35 58 E	51 05,983 N	7 35,967 E	472	AT		MEINE	90	107
220	Melle-Grönegau	52 12 03 N	8 22 40 E	52 12,050 N	8 22,667 E	73	AT		MELLE	169	55
222	Mendig Mil	50 21 57 N	7 18 55 E	50 21,950 N	7 18,917 E	183	YT		MENDI	127	148
223	Mengeringhausen	51 22 35 N	8 58 52 E	51 22,583 N	8 58,867 E	363	AT		MENGH	182	88
226	Meppen Mil	52 43 24 N	7 19 35 E	52 43,400 N	7 19,583 E	21	YT		MEPPE	168	23
227	Meschede Schüren	51 18 10 N	8 14 22 E	51 18,167 N	8 14,367 E	439	AT		MESCH	131	91
228	Meschede Stimmstamm	51 23 17 N	8 17 12 E	51 23,283 N	8 17,200 E	555	T		MESCHV	134	87

<i>Number</i>	<i>Name</i>	<i>Latitude</i> ° ' " N	<i>Longitude</i> ° ' " E	<i>Latitude</i> ° ' " N	<i>Longitude</i> ° ' " E	<i>Elevation</i> METERS	<i>Codes</i> <sup>*</sup>	<i>Comment</i>	<i>ID</i>	<i>Distance</i> Km	<i>Bearing</i>
229	Michelbach am As	50 13 54 N	8 04 37 E	50 13,900 N	8 04,617 E	301	DT		MICHB	172	135
230	Minden	52 18 12 N	8 55 54 E	52 18,200 N	8 55,900 E	50	T	MLK X Weser	MINDEN	207	58
231	Möhnesee	51 29 22 N	8 03 33 E	51 29,367 N	8 03,550 E	214	T	Staumauer	MOEHNE	119	81
232	Mönchsheide b Bad Breisig	50 30 30 N	7 15 20 E	50 30,500 N	7 15,333 E	205	DT		MOENH	111	146
233	Moers X	51 26 10 N	6 36 15 E	51 26,167 N	6 36,250 E	29	T	AK A57/A40	MOERS X	20	57
234	Montabaur	50 25 23 N	7 49 37 E	50 25,383 N	7 49,617 E	261	DT		MONBA	144	134
235	Morbach	49 44 59 N	7 07 07 E	49 44,983 N	7 07,117 E	754	T	Tv 2910F	MORBAV	184	163
236	Morschenich	50 52 24 N	6 33 05 E	50 52,400 N	6 33,083 E	103	LT		MORSC2	53	166
238	Nannhausen	49 58 12 N	7 28 41 E	49 58,200 N	7 28,683 E	372	AT		NANNH	171	153
239	Nastaetten	50 11 53 N	7 53 20 E	50 11,883 N	7 53,333 E	366	DT		NASTA	166	139
240	Naunheim Maifel	50 14 50 N	7 20 40 E	50 14,833 N	7 20,667 E	213	LT		NAUNH2	139	150
241	Neumagen Dhron	49 50 34 N	6 54 58 E	49 50,567 N	6 54,967 E	268	AT		NEUMA	170	167
242	Neurath	51 02 20 N	6 36 46 E	51 02,333 N	6 36,767 E	95	T	Kw 948Ft	NEURAT	37	152
243	Niederaussern	50 59 32 N	6 40 07 E	50 59,533 N	6 40,117 E	85	T	Kw	NIEDEU	44	151
249	Norddöllen Visbek	52 48 20 N	8 19 34 E	52 48,333 N	8 19,567 E	30	LT		NORDD2	212	39
250	Norden Nordeich	53 37 59 N	7 11 22 E	53 37,983 N	7 11,367 E	1	AT		NORDN	262	13
251	Nordenbeck	51 14 07 N	8 49 08 E	51 14,117 N	8 49,133 E	442	AT		NORDB	171	93
252	Nordhelle	51 08 48 N	7 46 24 E	51 08,800 N	7 46,400 E	639	T	Tv 261fFt	NORDHE	101	102
253	Nordhorn Lingen	52 27 28 N	7 11 06 E	52 27,467 N	7 11,100 E	28	AT		NORDL	137	25
255	Oberems	50 14 31 N	8 23 57 E	50 14,517 N	8 23,950 E	400	DT		OBEEM	188	130
256	Obermaubach	50 42 55 N	6 26 48 E	50 42,917 N	6 26,800 E	168	T	Staumauer	OBERSM	69	175
257	Obernau	50 55 03 N	8 08 29 E	50 55,050 N	8 08,483 E	371	T	Staumauer	OBERNA	133	110
258	Ochtrup	52 12 06 N	7 11 01 E	52 12,100 N	7 11,017 E	52	T	Bf	OCHTRPBF	112	31
259	Oelde Bergeler	51 49 50 N	8 10 28 E	51 49,833 N	8 10,467 E	91	LT		OELDE2	137	66
260	Orlinghausen	51 55 57 N	8 39 43 E	51 55,950 N	8 39,717 E	171	AT		OERLI	172	67
261	Oeventrop Ruhrwiesen	51 23 45 N	8 08 51 E	51 23,750 N	8 08,850 E	211	DT		OEVEN	124	87
262	Oldenburg Closed	53 10 48 N	8 09 40 E	53 10,800 N	8 09,667 E	12	LT		OLDNM2	239	31
263	Oldenburg Hatte	53 04 08 N	8 18 49 E	53 04,133 N	8 18,817 E	9	AT		OLDEN	234	34
264	Osnabrück-Atterheide	52 17 11 N	7 58 24 E	52 17,183 N	7 58,400 E	88	AT		OSNAB	153	46
265	Osnabrück Nord	52 20 30 N	8 01 12 E	52 20,500 N	8 01,200 E	91	T		OSNABR	160	45
266	Osnabrück Schinkelsberg	52 17 42 N	8 06 15 E	52 17,700 N	8 06,250 E	116	T		OSNABV	161	48
268	Paradiek Small	52 40 05 N	8 19 17 E	52 40,083 N	8 19,283 E	31	zT		PARAD2	200	42
269	Petershagen	52 22 57 N	8 59 56 E	52 22,950 N	8 59,933 E	41	T	Kw 874Ft	PETERS	216	57
270	Pfingstweide Butzbach	50 26 09 N	8 37 10 E	50 26,150 N	8 37,167 E	335	DT		PFING	187	122
271	Plettenberg-Hüinghausen	51 11 31 N	7 47 22 E	51 11,517 N	7 47,367 E	299	AT		PLETT	101	99
272	Pohlheim Viehheide bei Gieen	50 31 56 N	8 44 02 E	50 31,933 N	8 44,033 E	236	DT		POHLH	189	118
273	Porta-Westfalica	52 13 16 N	8 51 35 E	52 13,267 N	8 51,583 E	46	AT		PORTA	198	60
274	Quakenbrück	52 39 46 N	7 55 40 E	52 39,767 N	7 55,667 E	25	DT		QUAKE	183	36
275	Radevormwald-Leye	51 12 59 N	7 22 55 E	51 12,983 N	7 22,917 E	389	DT		RADEV	72	101
276	Recke	52 21 25 N	7 43 13 E	52 21,417 N	7 43,217 E	46	T	Eb X MLK	RECKEE	147	39
278	Rheda Wiednbrück	51 51 17 N	8 19 24 E	51 51,283 N	8 19,400 E	79	T		RHEDAW	147	67

Number	Name	Latitude	Longitude	Latitude	Longitude	Elevation Codes*		Comment	ID	DistanceBearing	
		° ' "	° ' "	° ' "	° ' "	METERS				Km	
279	Rheine Bentlage	52 17 28 N	7 23 13 E	52 17,467 N	7 23,217 E	40	YT		RHEIB	128	34
280	Riedelbach	50 18 09 N	8 23 03 E	50 18,150 N	8 23,050 E	514	DT		RIEDE	183	129
282	Rinteln	52 10 31 N	9 03 12 E	52 10,517 N	9 03,200 E	55	AT		RINTE	208	63
283	Rönkhausen	51 12 57 N	7 59 23 E	51 12,950 N	7 59,383 E	650	T	Tv 2135Ft	ROENKH	114	96
284	Rüdesheim Eibin	50 01 01 N	7 53 34 E	50 01,017 N	7 53,567 E	405	DT		RUEDE	182	143
285	Rursee	50 38 13 N	6 26 30 E	50 38,217 N	6 26,500 E	280	T	Staumauer	RURSEE	78	176
286	Schameder	51 00 00 N	8 18 25 E	51 00,000 N	8 18,417 E	546	AT		SCHAM	141	105
287	Schmallenberg-Rennefeld	51 09 41 N	8 15 38 E	51 09,683 N	8 15,633 E	466	AT		SCHMA	134	98
288	Schmehausen	51 41 02 N	7 58 37 E	51 41,033 N	7 58,617 E	63	T	Kw 873Ft	SCHMEH	119	71
289	Schöneberg	50 25 53 N	7 04 13 E	50 25,883 N	7 04,217 E	659	T	Tv NW	SCHOEN	112	154
290	Schöppingen	52 06 00 N	7 15 48 E	52 06,000 N	7 15,800 E	151	T	SW	SCHOPV	106	36
291	Scholven	51 36 17 N	7 00 16 E	51 36,283 N	7 00,267 E	67	T	Kw 1217Ft	SCHOLV	54	56
295	Siegen-Eisernhardt	50 50 16 N	8 00 50 E	50 50,267 N	8 00,833 E	388	DT		SIEEI	128	115
296	Siegen Tv	50 50 35 N	8 02 05 E	50 50,583 N	8 02,083 E	460	T	1946Ft	SIEGEN	129	115
297	Siegerland	50 42 28 N	8 04 59 E	50 42,467 N	8 04,983 E	601	AT		SIEGE	139	120
298	Signalberg	52 33 31 N	8 12 37 E	52 33,517 N	8 12,617 E	119	T	Tv 829Ft	SIGNAL	186	43
299	Singhofen	50 16 14 N	7 51 13 E	50 16,233 N	7 51,217 E	300	DT		SINGH	158	138
300	Söst Bad Sassendorf	51 34 41 N	8 12 53 E	51 34,683 N	8 12,883 E	119	AT		SOEST	131	78
301	Sorpestausee	51 21 02 N	7 58 06 E	51 21,033 N	7 58,100 E	284	T	Staumauer	SORPES	112	89
302	Spangdahlem Mil	49 58 22 N	6 41 33 E	49 58,367 N	6 41,550 E	366	YT		SPANG	153	172
303	Stadtlohn Vreden	51 59 45 N	6 50 26 E	51 59,750 N	6 50,433 E	49	AT		STADT	81	25
304	Steinberg Flp	52 57 19 N	7 33 42 E	52 57,317 N	7 33,700 E	30	LT	07/25	ST07U2	198	24
305	Steinberg bei Surwold	52 57 24 N	7 33 25 E	52 57,400 N	7 33,417 E	30	DT		STESU	198	24
306	Stolberg-Diepenlinchen	50 46 14 N	6 16 55 E	50 46,233 N	6 16,917 E	260	DT		STOLB	63	185
307	Stolberg Tv	50 46 44 N	6 14 40 E	50 46,733 N	6 14,667 E	285	T	1693Ft	STOLBV	62	188
308	Stolzenau	52 30 33 N	9 04 58 E	52 30,550 N	9 04,967 E	25	T	B441 X Weser	STOLZE	228	54
310	Sundern-Seidfeld	51 18 10 N	7 58 45 E	51 18,167 N	7 58,750 E	350	DT		SUNDE	113	92
311	Tecklenburg	52 13 27 N	7 50 53 E	52 13,450 N	7 50,883 E	184	T	Tv 991Ft	TECKLV	142	46
313	Teutoburger Wald	51 54 21 N	8 49 18 E	51 54,350 N	8 49,300 E	392	T		TEUTOB	181	69
314	Thülsfelder	52 56 08 N	7 55 34 E	52 56,133 N	7 55,567 E	28	T	Staumauer	THUELS	208	31
315	Traben Trarbach	49 58 04 N	7 06 42 E	49 58,067 N	7 06,700 E	275	AT		TRABE	161	161
316	Trier Eb	49 46 40 N	6 41 02 E	49 46,667 N	6 41,033 E	122	T	X Mosel Br	TRIERB	175	173
317	Trier Föhren	49 51 49 N	6 47 17 E	49 51,817 N	6 47,283 E	204	AT		TRIER	166	170
318	Twistese	51 21 45 N	9 03 27 E	51 21,750 N	9 03,450 E	301	T	B450 Br	TWISTE	187	88
319	Utscheid	49 59 51 N	6 20 36 E	49 59,850 N	6 20,600 E	424	DT		UTSCH	149	181
320	Varrelbusch	52 54 25 N	8 02 26 E	52 54,417 N	8 02,433 E	40	AT		VARRE	209	33
322	Veltheim	52 11 23 N	8 56 04 E	52 11,383 N	8 56,067 E	53	T	Kw 630Ft	VELTHE	201	61
325	Vettweiss Soller	50 44 50 N	6 33 57 E	50 44,833 N	6 33,950 E	160	LT		VETT2	67	168
326	Viersen Süchtel	51 16 56 N	6 20 51 E	51 16,933 N	6 20,850 E	85	T		VIERSS	5,8	189
327	Vinsebeck-Frankenber	51 50 32 N	9 00 55 E	51 50,533 N	9 00,917 E	247	DT		VINSE	192	72
328	Voerde Möllen	51 34 43 N	6 41 07 E	51 34,717 N	6 41,117 E	27	T	KW	VOERDE	35	40

Number	Name	Latitude	Longitude	Latitude	Longitude	Elevation Codes*		Comment	ID	Distance Bearing	
		° ' " N	° ' " E	° ' " N	° ' " E	METERS				Km	
329	Wahnbeck	53 12 18 N	8 14 06 E	53 12,300 N	8 14,100 E	18	T	Tv 498Ft	WAHNBE	244	31
330	Waldeck	51 13 33 N	9 03 19 E	51 13,550 N	9 03,317 E	408	DT		WALDE	188	93
331	Waldesch	50 15 36 N	7 31 16 E	50 15,600 N	7 31,267 E	413	T	Sender	WALDES	145	146
333	Warburg Heinberg	51 29 53 N	9 05 09 E	51 29,883 N	9 05,150 E	171	DT		WARBU	190	84
334	Wehebach	50 45 22 N	6 20 30 E	50 45,367 N	6 20,500 E	252	T	Staumauer	WEHEBA	64	182
335	Weilerswist	50 43 12 N	6 50 59 E	50 43,200 N	6 50,983 E	136	LT		WEITW2	76	154
336	Weisweiler	50 50 23 N	6 19 22 E	50 50,383 N	6 19,367 E	127	T	Kw 1011Ft	WEISWE	55	183
338	Werdohl-Küntrop	51 17 49 N	7 49 00 E	51 17,817 N	7 49,000 E	317	AT		WERDO	101	92
340	Wershofen Eifel	50 27 01 N	6 47 05 E	50 27,017 N	6 47,083 E	482	AT		WERSH	103	163
341	Wesel Romerwardt	51 39 46 N	6 35 45 E	51 39,767 N	6 35,750 E	21	AT		WESEL	40	25
342	Wesel Tv	51 38 55 N	6 34 41 E	51 38,917 N	6 34,683 E	31	T	1122Ft	WESELT	38	24
343	Westerburg	50 33 46 N	7 58 00 E	50 33,767 N	7 58,000 E	380	T	Eb Br	WESTEE	142	127
344	Westerstede-Felde	53 17 20 N	7 55 48 E	53 17,333 N	7 55,800 E	9	AT		WESTS	242	26
345	Wieferstede Ul	53 19 23 N	8 04 29 E	53 19,383 N	8 04,483 E	10	zT		WIEFE2	250	28
346	Wiehtalsee	50 56 09 N	7 40 04 E	50 56,150 N	7 40,067 E	292	T	Staumauer	WIEHLT	101	116
348	Willebadessen	51 37 20 N	8 59 46 E	51 37,333 N	8 59,767 E	410	T	Tv	WILLEB	185	80
349	Winterberg	51 11 22 N	8 32 12 E	51 11,367 N	8 32,200 E	692	T	Tv 2605Ft	WINTEV	152	96
350	Wipperfürth Neye	51 07 25 N	7 22 27 E	51 07,417 N	7 22,450 E	262	AT		WIPPE	74	108
351	Witzhelden	51 07 07 N	7 05 59 E	51 07,117 N	7 05,983 E	232	T	Tv 1503Ft	WITZHE	57	115
352	Wolfhagen Granerberg	51 18 25 N	9 10 31 E	51 18,417 N	9 10,517 E	314	AT		WOLFH	196	91
353	Würgassen	51 38 19 N	9 23 38 E	51 38,317 N	9 23,633 E	95	T	Kkw	WUERGA	213	80
354	Zell	50 01 01 N	7 10 45 E	50 01,017 N	7 10,750 E	93	T	Mosel X B53 Br	ZELLMO	157	159
355	Hinsbeck	51 20 04 N	6 16 48 E	51 20,067 N	6 16,800 E	40	T		HINSBECK	5,5	271
356	Breyell	51 17 52 N	6 14 50 E	51 17,867 N	6 14,833 E		T		356BRELL	8,8	243
357	Hückelhoven	51 03 16 N	6 13 33 E	51 03,267 N	6 13,550 E		T		357HUECK	32	197
358	Raesfeld	51 46 10 N	6 50 17 E	51 46,167 N	6 50,283 E	62	T		358RAELD	59	35
359	Lüdinghausen	51 46 01 N	7 26 23 E	51 46,017 N	7 26,383 E	52	T		359LUSEN	89	57
359	Prüm	50 12 30 N	6 25 31 E	50 12,500 N	6 25,517 E	440	T		360PRUEM	125	178
360	Reken	51 48 15 N	7 02 44 E	51 48,250 N	7 02,733 E		T		360REKEN	71	42
361	Schüttdorf	52 19 17 N	7 13 49 E	52 19,283 N	7 13,817 E	32	T		361SCORF	125	29
362	Golfplatz	51 20 20 N	6 16 01 E	51 20,333 N	6 16,017 E	30	T	Haus Bey	GOLF	6,4	275
363	Grefrath E	51 20 06 N	6 21 53 E	51 20,100 N	6 21,883 E	30	FD	Ziellinie Ost	REF_E	0,4	72
364	Grefrath W	51 19 56 N	6 21 15 E	51 19,933 N	6 21,250 E	32	FD	Ziellinie West	REF_W	0,4	244
365	Kempen Kirche	51 21 53 N	6 25 10 E	51 21,883 N	6 25,167 E	41	T		KEMPECHE	5,4	51
366	Lobberich	51 18 22 N	6 17 16 E	51 18,367 N	6 17,267 E	54	T	Wasserturm	LOBB WT	5,9	239
370	WT XO	50 27 31 N	6 28 18 E	50 27,517 N	6 28,300 E		T		1WT XO	98	176

## Codes\*

- A: Airport
- D: Glider Airfield
- F: Finish Point



- H: Home airport
- L: Landing point
- S: Start Point
- T: Turnpoint
- Y: Military Airfield
- z: Ultralight Strip