

Mastliste

380-kV-Netzverstärkung Daxlanden-Eichstetten (Teilabschnitt A, Karlsruhe)

Anlage: 5. 2

Leitungsabschnitt: UW Daxlanden - Spannungsfeld 145A/146A
Anlage 7110

geplante Leiterbelegung: 2x3x4 562-AL1/49-ST1A (380-kV)
Leiterseil: Mitnahmeabschnitt: 013A-021A: 2x3x1 264-AL1/34-ST1A (110-kV NetzeBW)
Mitnahmeabschnitt: 067A-070A: 2x3x1 550-AL1/71-ST1A (110-kV DB Energie)

Stand: 18.12.2020

Index		Erstellung/Änderung						Datum		Firma/Name			
1		Erstellt						11.02.2019		EQOS/Kremer			
2		Anpassung Maststandorte 005A, 024A, 061A, 066A, 069A, 072A, 076A, 104A, 112A						18.11.2020		EQOS/Emmenlauer			
Maste			Mastwinkel	Gauß-Krüger-Koordinaten (EPSG-31467)		Längen		Mast					Bemerkungen
Mast-Nr.	Gestänge	Masttyp	Leitungs- winkel [Grad° Minuten']	Rechtswert y [m]	Hochwert x [m]	Feld- länge [m]	Abspann- abschnitt [m]	Höhe bis untere Aufhängung [m]	Höhe bis untere Traverse [m]	Gesamt- masthöhe [m]	Fußbreite EOK b (m)	Fundament EOK f (m)	
Daxlanden	Gerüst			3449951.90	5430273.97				18.50	18.50	25.00		
004A	D48-2016/04-11	WE50-90GE28,00	126° 23'	3449864.29	5430130.47	168.13	168.13	28.00	28.00	50.90	7.90	9.20	
005A	D48-2002-11	TD S3 31,00	180° 0'	3449931.44 3449934.28	5429966.78 5429959.00	176.84 185.20		31.00	35.50	58.10	6.02	7.02	
006A	D48-2002-11	TD S3 31,00	180° 0'	3450055.96	5429660.89	330.38 321.99		31.00	35.50	58.10	6.02	7.02	
007A	D48-2002-11	TD S3 26,00	180° 0'	3450148.62	5429433.88	245.20		26.00	30.50	53.10	5.62	6.62	
008A	D48-2002-11	WA1 S3 28,00	197° 3'	3450251.66	5429181.44	272.66	1025.05	28.00	28.00	50.60	8.70	10.00	
009A	D48-2002-11	TD S3 28,50	180° 0'	3450274.84	5428924.17	258.32		28.50	33.00	55.60	5.82	6.82	
010A	D48-2002-11	TD S3 28,50	180° 0'	3450302.82	5428613.50	311.92		28.50	33.00	55.60	5.82	6.82	
011A	D48-2002-11	TD S3 26,00	180° 0'	3450323.67	5428381.98	232.46		26.00	30.50	53.10	5.62	6.62	
012A	D48-2002-11	WA1 S3 30,50	180° 0'	3450349.59	5428094.26	288.88	1091.58	30.50	30.50	53.10	8.86	10.16	
013A	AD7110-013A	WA118GEÜ35,00	241° 56'	3450366.59	5427905.53	189.49	189.49	35.00	35.00	63.00	9.81	11.31	
015A	AD29-2016/04-11	TDGE29,00	180° 0'	3450024.43	5427681.46	409.00		29.00	31.00	60.50	6.73	7.73	
017A	AD29-2016/04-11	WA1GE38,00	170° 53'	3449714.08	5427478.22	370.98	779.98	38.00	38.00	66.00	10.05	11.35	
019A	AD29-2016/04-11	TDGE38,00	180° 0'	3449447.97	5427235.76	360.00		38.00	40.00	69.50	7.45	8.45	
021A	AD7110-021A	WA175GEÜ29,00	184° 45'	3449181.80	5426993.24	360.09	720.09	29.00	29.00	57.00	9.09	10.39	
022A	D48-2002-11	WA1 S3 45,50	180° 0'	3448877.14	5426758.69	384.49	384.49	45.50	45.50	68.10	11.14	12.44	
024A	D48-2002-11	TD S3 31,00 TD S3 33,50	180° 0'	3448560.96 3448553.03	5426515.26 5426509.16	399.04 409.04		31.00 33.50	35.50 38.00	58.10 60.60	6.02 6.22	7.02 7.22	
025A	D48-2002-11	TD S3 28,50	180° 0'	3448323.25	5426332.25	390.00 290.00		28.50	33.00	55.60	5.82	6.82	
026A	D48-2002-11	TD S3 28,50	180° 0'	3448085.53	5426149.24	300.00		28.50	33.00	55.60	5.82	6.82	
028A	D48-2002-11	TD S3 31,00	180° 0'	3447847.82	5425966.22	300.00		31.00	35.50	58.10	6.02	7.02	
029A	D48-2002-11	TD S3 36,00	180° 0'	3447606.94	5425780.77	304.00		36.00	40.50	63.10	6.42	7.42	
030A	D48-2002-11	TD S3 36,00		3447306.55	5425549.50	379.11		36.00	40.50	63.10	6.42	7.42	
031A	D48-2002-11	WA2 S3 40,50	143° 36'	3446977.74	5425296.35	414.97	2397.12	40.50	40.50	63.10	10.14	11.44	
032A	D48-2002-11	TD S3 38,50	180° 0'	3446882.80	5424965.27	344.43		38.50	43.00	65.60	6.62	7.62	
033A	D48-2002-11	TD S3 31,00	180° 0'	3446773.48	5424584.06	396.57		31.00	35.50	58.10	6.02	7.02	
034A	D48-2002-11	TD S3 33,50	180° 0'	3446681.14	5424262.04	335.00		33.50	38.00	60.60	6.22	7.22	
035A	D48-2002-11	TD S3 33,50	180° 0'	3446580.52	5423911.18	365.00		33.50	38.00	60.60	6.22	7.22	
036A	D48-2002-11	TD S3 36,00	180° 0'	3446474.40	5423541.10	385.00		36.00	40.50	63.10	6.42	7.42	
037A	D48-2002-11	TD S3 36,00	180° 0'	3446364.14	5423156.59	400.00		36.00	40.50	63.10	6.42	7.42	
038A	D48-2002-11	WA1 S3 40,50	180° 0'	3446253.87	5422772.09	400.00	2626.00	40.50	40.50	63.10	9.94	11.24	
039A	D48-2002-11	TD S3 36,00	180° 0'	3446149.13	5422406.81	380.00		36.00	40.50	63.10	6.42	7.42	
041A	D48-2002-11	TD S3 36,00	180° 0'	3446038.86	5422022.31	400.00		36.00	40.50	63.10	6.42	7.42	
042A	D48-2002-11	TD S3 36,00	180° 0'	3445931.36	5421647.42	390.00		36.00	40.50	63.10	6.42	7.42	
043A	D48-2002-11	TD S3 43,50	180° 0'	3445827.26	5421284.40	377.65		43.50	48.00	70.60	7.02	8.02	
044A	D48-2002-11	WA2 S3 50,50	140° 53'	3445728.43	5420939.78	358.51	1906.16	50.50	50.50	73.10	12.54	13.84	
045A	D48-2002-11	TD S3 46,00	180° 0'	3445853.14	5420647.70	317.59		46.00	50.50	73.10	7.22	8.22	
046A	D48-2002-11	TD S3 38,50	180° 0'	3446010.95	5420278.08	401.90		38.50	43.00	65.60	6.62	7.62	
047A	D48-2002-11	TD S3 36,00	180° 0'	3446146.84	5419959.78	346.09		36.00	40.50	63.10	6.42	7.42	
048A	D48-2002-11	WA3 S3 35,50	227° 44'	3446299.04	5419603.31	387.60	1453.19	35.50	35.50	58.40	9.48	10.78	
049A	D48-2002-11	TD S3 33,50	180° 0'	3446144.92	5419266.94	370.00		33.50	38.00	60.60	6.22	7.22	
051A	D48-2002-11	TD S3 33,50	180° 0'	3445991.86	5418932.84	367.50		33.50	38.00	60.60	6.22	7.22	
051B	D48-2002-11	WA1 S3 38,00	164° 58'	3445856.49	5418637.37	325.00	1062.50	38.00	38.00	60.60	9.34	10.64	

Maste			Mastwinkel	Gauß-Krüger-Koordinaten (EPSG-31467)		Längen		Mast					Bemerkungen
Mast-Nr.	Gestänge	Masttyp	Leitungs- winkel [Grad° Minuten']	Rechtswert =y [m]	Hochwert=x [m]	Feld- länge [m]	Abspann- abschnitt [m]	Höhe bis untere Aufhängung [m]	Höhe bis untere Traverse [m]	Gesamt- masthöhe [m]	Fußbreite EOK b (m)	Fundament EOK f (m)	
053A	D48-2002-11	TD S3 38,50	180° 0'	3445794.10	5418267.60	375.00	2563.35	38.50	43.00	65.60	6.62	7.62	
054A	D48-2002-11	TD S3 33,50	180° 0'	3445727.56	5417873.17	400.00		33.50	38.00	60.60	6.22	7.22	
055A	D48-2002-11	TD S3 33,50	180° 0'	3445661.01	5417478.74	400.00		33.50	38.00	60.60	6.22	7.22	
056A	D48-2002-11	TD S3 33,50	180° 0'	3445605.78	5417151.37	332.00		33.50	38.00	60.60	6.22	7.22	
057A	D48-2002-11	TD S3 33,50	180° 0'	3445543.73	5416783.57	373.00		33.50	38.00	60.60	6.22	7.22	
058A	D48-2002-11	TD S3 33,50	180° 0'	3445492.16	5416477.89	310.00		33.50	38.00	60.60	6.22	7.22	
059A	D48-2002-11	WA1 S3 33,00	174° 34'	3445430.05	5416109.74	373.35		33.00	33.00	55.60	9.03	10.33	
060A	D48-2002-11	TD S3 33,50	180° 0'	3445403.28	5415740.71	370.00	2261.26	33.50	38.00	60.60	6.22	7.22	
061A	D48-2002-11	TD S3 31,00 TD S3 33,50	180° 0'	3445378.69 3445379.26	5415401.60 5415409.58	340.00 332.00		31.00 33.50	35.50 38.00	58.10 60.60	6.02 6.22	7.02 7.22	
062A	D48-2002-11	TD S3 31,00	180° 0'	3445358.38	5415121.67	280.66 288.66		31.00	35.50	58.10	6.02	7.02	
063A	D48-2002-11	TD S3 31,00	180° 0'	3445338.06	5414841.55	280.85		31.00	35.50	58.10	6.02	7.02	
064A	D48-2002-11	TD S3 36,00	180° 0'	3445312.18	5414484.74	357.75		36.00	40.50	63.10	6.42	7.42	
065A	D48-2002-11	TD S3 36,00	180° 0'	3445283.25	5414085.79	400.00		36.00	40.50	63.10	6.42	7.42	
066A	D48-2002-11	WA2 S3 30,50	155° 20' 156° 20'	3445266.46 3445267.37	5413854.40 5413866.87	232.00 219.50		2248.76	30.50	30.50	53.10	9.06	10.36
067A	AD7110-067A	WA155GEÜ26,00	204° 48' 203° 50'	3445368.06	5413582.87	289.91 301.32	289.91 301.32	26.00	26.00	54.00	8.82	10.32	
068A	AD30-2016/04-11	TDGE26,00	180° 0'	3445347.41	5413308.65	275.00	545.00	26.00	28.00	57.50	6.49	7.49	
069A	AD30-2016/04-11	WA3GE38,00	231° 30' 229° 37'	3445327.14 3445328.42	5413039.41 5413056.36	270.00 253.00		38.00	38.00	66.00	10.05	11.55	
070A	AD7110-070A	WA124GEÜ35,00	124° 17' 126° 10'	3445001.43	5412818.14	393.76 404.56	393.76 404.56	35.00	35.00	63.00	9.81	11.31	
070B	DD6110-001A	WA4/WE	238° 48'	3445000.91	5412518.14	300.00	300.00	25.50	25.50	47.87			Bestand
Kuppenheim	Gerüst			3444955.46	5412490.72	53.08	53.08	18.50	18.50	25.00			
070B	DD6110-001A	WA4/WE	255° 17'	3445000.91	5412518.14		62.48	25.50	25.50	47.87			Bestand
Kuppenheim	Gerüst			3444940.45	5412502.37	62.48		18.50	18.50	25.00			
Kuppenheim	Gerüst			3444830.40	5412506.58		134.98	18.50	18.50	25.00			
071A	D48-2002-11	WE S3 70-90 28,00	218° 46' 219° 56'	3444765.98	5412387.96	134.98		28.00	28.00	50.60	8.60	9.90	
072A	D48-2002-11	WA2 S3 30,50	150° 57' 149° 47'	3444536.92 3444543.11	5412292.04 5412299.90	248.33 239.64		30.50	30.50	53.10	9.06	10.36	
073A	D48-2002-11	TD S3 36,00	180° 0'	3444334.58	5412035.16	327.00 337.00	4947.99	36.00	40.50	63.10	6.42	7.42	
074A	D48-2002-11	TD S3 38,50	180° 0'	3444073.85	5411704.17	421.35		38.50	43.00	65.60	6.62	7.62	
075A	D48-2002-11	WA1 S3 33,00	179° 35'	3443889.05	5411469.56	298.65		33.00	33.00	55.60	9.03	10.33	
076A	D48-2002-11	TD S3 31,00	180° 0'	3443704.33 3443703.10	5411231.52 5411229.95	301.30 303.30	1647.29	31.00	35.50	58.10	6.02	7.02	
077A	D48-2002-11	TD S3 36,00	180° 0'	3443523.47	5410998.46	295.00 293.00		36.00	40.50	63.10	6.42	7.42	
078A	D48-2002-11	TD S3 36,00	180° 0'	3443294.18	5410703.00	373.99		36.00	40.50	63.10	6.42	7.42	
079A	D48-2002-11	TD S3 33,50	180° 0'	3443099.66	5410452.33	317.29	239.44	33.50	38.00	60.60	6.22	7.22	
080A	D48-2002-11	WA1 S3 33,00	183° 16'	3442879.13	5410168.15	359.71		33.00	33.00	55.60	9.03	10.33	
081A	D48-2002-11	WA2 S3 33,00	210° 30'	3442721.80	5409987.66	239.44		33.00	33.00	55.60	9.23	10.53	
082A	D48-2002-11	TD S3 33,50	180° 0'	3442456.70	5409899.38	279.41	1204.62	33.50	38.00	60.60	6.22	7.22	
083A	D48-2002-11	TD S3 31,00	180° 0'	3442135.06	5409792.28	339.00		31.00	35.50	58.10	6.02	7.02	
084A	D48-2002-11	TD S3 33,50	180° 0'	3441866.36	5409702.80	283.21		33.50	38.00	60.60	6.22	7.22	
085A	D48-2002-11	WA1 S3 38,00	187° 7'	3441578.88	5409607.07	303.00	326.00	38.00	38.00	60.60	9.34	10.64	
086A	D48-2002-11	WA2 S3 35,50	148° 45'	3441259.20	5409543.21	326.00		35.50	35.50	58.10	9.38	10.68	
087A	D48-2002-11	TD S3 33,50	180° 0'	3440993.97	5409299.79	360.00		33.50	38.00	60.60	6.22	7.22	
088A	D48-2002-11	TD S3 31,00	180° 0'	3440765.57	5409090.18	310.00	992.40	31.00	35.50	58.10	6.02	7.02	
089A	D48-2002-11	WA1 S3 35,50	170° 12'	3440528.04	5408872.18	322.40		35.50	35.50	58.10	9.18	10.48	
090A	D48-2002-11	WA1 S3 40,50	162° 1'	3440288.47	5408561.68	392.18		40.50	40.50	63.10	9.94	11.24	
091A	D29-2016/04-11	WA2GE53,00	203° 55'	3440187.26	5408278.49	300.73	399.66	53.00	53.00	71.00	11.64	13.14	
092A	D29-2016/04-11	WA3GE23,00	121° 19'	3439911.71	5407989.01	399.66		23.00	23.00	41.00	7.81	9.31	
093A	D29-2016/04-11	WA3GE23,00	228° 4'	3439976.97	5407747.13	250.53		23.00	23.00	41.00	7.81	9.31	
094A	D29-2016/04-11	WA1GE29,00	180° 0'	3439800.28	5407474.76	324.66	319.56	29.00	29.00	47.00	8.02	9.32	
095A	D29-2016/04-11	WA1GE29,00	188° 1'	3439626.36	5407206.67	319.56		29.00	29.00	47.00	8.02	9.32	
096A	D29-2016/04-11	WA1GE29,00	180° 0'	3439433.32	5406984.51	294.31		29.00	29.00	47.00	8.02	9.32	
097A	D29-2016/04-11	WA1GE29,00	180° 0'	3439242.30	5406764.66	291.24	310.33	29.00	29.00	47.00	8.02	9.32	
098A	D29-2016/04-11	WA1GE29,00	180° 0'	3439038.76	5406530.41	310.33		29.00	29.00	47.00	8.02	9.32	
099A	D29-2016/04-11	WA1GE29,00	177° 12'	3438821.92	5406280.85	330.60		29.00	29.00	47.00	8.02	9.32	
100A	D29-2016/04-11	WA1GE29,00	182° 48'	3438635.45	5406043.78	301.62	301.62	29.00	29.00	47.00	8.02	9.32	

Maste			Mastwinkel	Gauß-Krüger-Koordinaten (EPSG-31467)		Längen		Mast					Bemerkungen
Mast-Nr.	Gestänge	Masttyp	Leitungs- winkel [Grad° Minuten']	Rechtswert ≈ [m]	Hochwert=x [m]	Feld- länge [m]	Abspann- abschnitt [m]	Höhe bis untere Aufhängung [m]	Höhe bis untere Traverse [m]	Gesamt- masthöhe [m]	Fußbreite EOK b (m)	Fundament EOK f (m)	
101A	D29-2016/04-11	WA1GE26,00	182° 36'	3438417.90	5405793.40	331.69	331.69	26.00	26.00	44.00	7.72	9.02	
102A	D48-2002-11	WA1 S3 30,50	177° 24'	3438193.77	5405557.90	325.11	325.11	30.50	30.50	53.10	8.86	10.16	
103A	D48-2002-11	TD S3 31,00	180° 0'	3437971.48	5405302.07	338.91	1349.79	31.00	35.50	58.10	6.02	7.02	
104A	D48-2002-11	TD S3 33,50	180° 0'	3437756.34 3437749.43	5405054.48 5405046.52	328.09 338.55		33.50	38.00	60.60	6.22	7.22	
105A	D48-2002-11	TD S3 33,50	180° 0'	3437508.50	5404769.23	377.88 367.33		33.50	38.00	60.60	6.22	7.22	
106A	D48-2002-11	WA3 S3 33,00	139° 10'	3437308.45	5404539.00	305.00		33.00	33.00	55.90	9.33	10.63	
107A	D48-2002-11	TD S3 31,00	180° 0'	3437307.91	5404332.00	207.00		31.00	35.50	58.10	6.02	7.02	
108A	D48-2002-11	TD S3 31,00	180° 0'	3437307.07	5404014.00	318.00	1495.89	31.00	35.50	58.10	6.02	7.02	
109A	D48-2002-11	TD S3 31,00	180° 0'	3437306.20	5403686.58	327.42		31.00	35.50	58.10	6.02	7.02	
110A	D48-2002-11	TD S3 31,00	180° 0'	3437305.36	5403366.11	320.47		31.00	35.50	58.10	6.02	7.02	
111A	D48-2002-11	WA1 S3 30,50	194° 28'	3437304.51	5403043.11	323.00		30.50	30.50	53.10	8.86	10.16	
112A	D48-2002-11	TD S3 41,00	180° 0'	3437223.77 3437205.73	5402733.46 5402664.27	320.00 391.50		41.00	45.50	68.10	6.82	7.82	
113A	D48-2002-11	WA2 S3 45,50	208° 28'	3437132.78	5402384.53	360.60 289.10	680.60	45.50	45.50	68.10	11.34	12.64	
114A	D48-2002-11	TD S3 31,00	180° 0'	3436955.22	5402194.61	260.00	1252.57	31.00	35.50	58.10	6.02	7.02	
115A	D48-2002-11	TD S3 28,50	180° 0'	3436737.65	5401961.90	318.57		28.50	33.00	55.60	5.82	6.82	
116A	D48-2002-11	TD S3 31,00	180° 0'	3436520.09	5401729.19	318.57		31.00	35.50	58.10	6.02	7.02	
117A	D48-2002-11	WA1 S3 35,50	191° 58'	3436277.35	5401469.56	355.43		35.50	35.50	58.10	9.18	10.48	
118A	D48-2002-11	WA1 S3 40,50	163° 39'	3435903.25	5401207.95	456.50	456.50	40.50	40.50	63.10	9.94	11.24	
120A	D48-2002-11	TD S3 41,00	180° 0'	3435647.03	5400887.88	410.00	1234.17	41.00	45.50	68.10	6.82	7.82	
121A	D48-2002-11	TD S3 38,50	180° 0'	3435358.82	5400527.85	461.17		38.50	43.00	65.60	6.62	7.62	
122A	D48-2002-11	WA1 S3 35,50	178° 27'	3435131.97	5400244.47	363.00		35.50	35.50	58.10	9.18	10.48	
123A	D48-2002-11	TD S3 33,50	180° 0'	3434911.40	5399953.14	365.41	1938.39	33.50	38.00	60.60	6.22	7.22	
124A	D48-2002-11	TD S3 38,50	180° 0'	3434693.10	5399664.81	361.65		38.50	43.00	65.60	6.62	7.62	
125A	D48-2002-11	TD S3 46,00	180° 0'	3434439.55	5399329.92	420.05		46.00	50.50	73.10	7.22	8.22	
126A	D48-2002-11	TD S3 38,50	180° 0'	3434220.25	5399040.26	363.31		38.50	43.00	65.60	6.62	7.62	
127A	D48-2002-11	WE S3 70-90 38,00	180° 0'	3433961.91	5398699.06	427.97		38.00	38.00	60.60	9.24	10.54	
128A	D29-2016/04-11	WA3GE32,00	120° 59'	3433761.14	5398433.88	332.61	332.61	32.00	32.00	50.00	8.84	10.34	
129A	D29-2016/04-11	TDGE30,50	180° 0'	3433882.28	5398132.34	324.96	854.50	30.50	35.00	52.50	6.09	7.09	
129B	D29-2016/04-11	TDGE36,50	180° 0'	3433986.93	5397871.87	280.71		36.50	41.00	58.50	6.57	7.57	
130A	D29-2016/04-11	WA3GE32,00	221° 44'	3434079.69	5397640.97	248.84		32.00	32.00	50.00	8.84	10.34	
131A	D48-2002-11	WA1 S3 28,00	180° 0'	3433994.61	5397405.16	250.70	250.70	28.00	28.00	50.60	8.70	10.00	
132A	D48-2016/04-11	WE50-90GE28,00	180° 0'	3433909.53	5397169.33	250.70	250.70	28.00	28.00	50.90	7.90	9.20	
132B	D48-2016/04-11	WE50-90GE28,00	180° 0'	3433811.56	5396897.81	288.65	288.65	28.00	28.00	50.90	7.90	9.20	
133A	D48-2002-11	TD S3 33,50	180° 0'	3433712.84	5396624.20	290.88	2504.89	33.50	38.00	60.60	6.22	7.22	
134A	D48-2002-11	TD S3 38,50	180° 0'	3433610.90	5396341.63	300.40		38.50	43.00	65.60	6.62	7.62	
135A	D48-2002-11	TD S3 46,00	180° 0'	3433511.80	5396066.96	292.00		46.00	50.50	73.10	7.22	8.22	
137A	D48-2002-11	TD S3 46,00	180° 0'	3433342.10	5395596.64	500.00		46.00	50.50	73.10	7.22	8.22	
138A	D48-2002-11	TD S3 46,00	180° 0'	3433240.29	5395314.44	300.00		41.00	45.50	68.10	7.22	8.22	
139A	D48-2002-11	TD S3 43,50	180° 0'	3433070.60	5394844.12	500.00	1660.34	38.50	43.00	65.60	7.02	8.02	
140A	D48-2002-11	WA2 S3 35,50	212° 51'	3432961.45	5394541.60	321.61		35.50	35.50	58.10	9.38	10.68	
141A	D48-2002-11	TD S3 33,50	180° 0'	3432715.68	5394354.32	309.00		33.50	38.00	60.60	6.22	7.22	
142A	D48-2002-11	TD S3 33,50	180° 0'	3432439.86	5394144.14	346.77		33.50	38.00	60.60	6.22	7.22	
143A	D48-2002-11	TD S3 31,00	180° 0'	3432145.91	5393920.14	369.57		31.00	35.50	58.10	6.02	7.02	
144A	D48-2002-11	TD S3 28,50	180° 0'	3431899.34	5393732.25	310.00	1660.34	28.50	33.00	55.60	5.82	6.82	
145A	D48-2002-11	WE S3 70-90 30,50	154°19'	3431640.84	5393535.27	325.00		30.50	30.50	53.10	8.76	10.06	