List of sensors

For publication on
https://www.rave-offshore.de/en/data.html

This list of sensors is hence V2.2 only in English version available

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created by

Fraunhofer Institute for Wind Energy Systems IWES

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1 Listing of the research measuring points

Measuring points wind turbine Adwen AV 7 bis AV 12

The research measuring points are differentiated in terms of their positioning, for this purpose the WEA is divided into areas:

- A: permanently under Wasser (below LAT*)
- B: fluctuating water levels (above LAT* and below the working platform)
- C: Tower (above the working platform)
- D: Nacelle

*) LAT: Level of the lowest possible astronomical tide (Lowest Astronomical Tide)

Measuring points Offshore-substation alpha ventus (UW av)

Measuring points for collecting electrical, hydrographic and ecological data.

Measuring points Onshore-substation (Hager Marsch)

Measuring points for collecting electrical measured parameters.

Measuring points at foundation for Senvion WEA

Measuring points for collecting structural dynamic, oceanographic and geological data.

Measuring points at/in Senvion WEA

Measuring points for collecting structural dynamic, meteorological, oceanographic, electrical and other data.

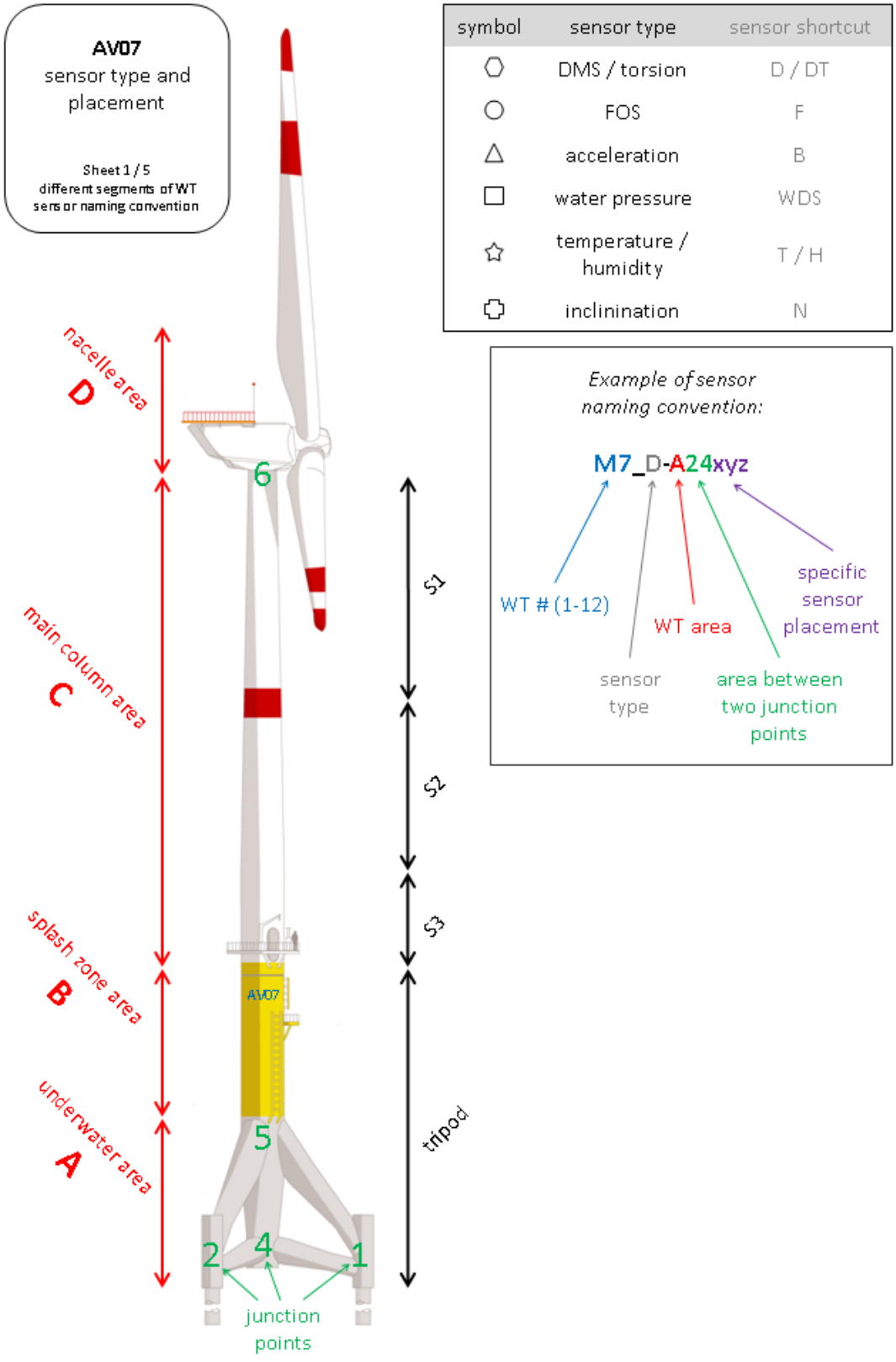
Measuring points of wind farm database

Measurement data transferred from the wind farm database to the research archive (basis: Adwen 1-min-mean values, Senvion: "quasi"-1-minute values)

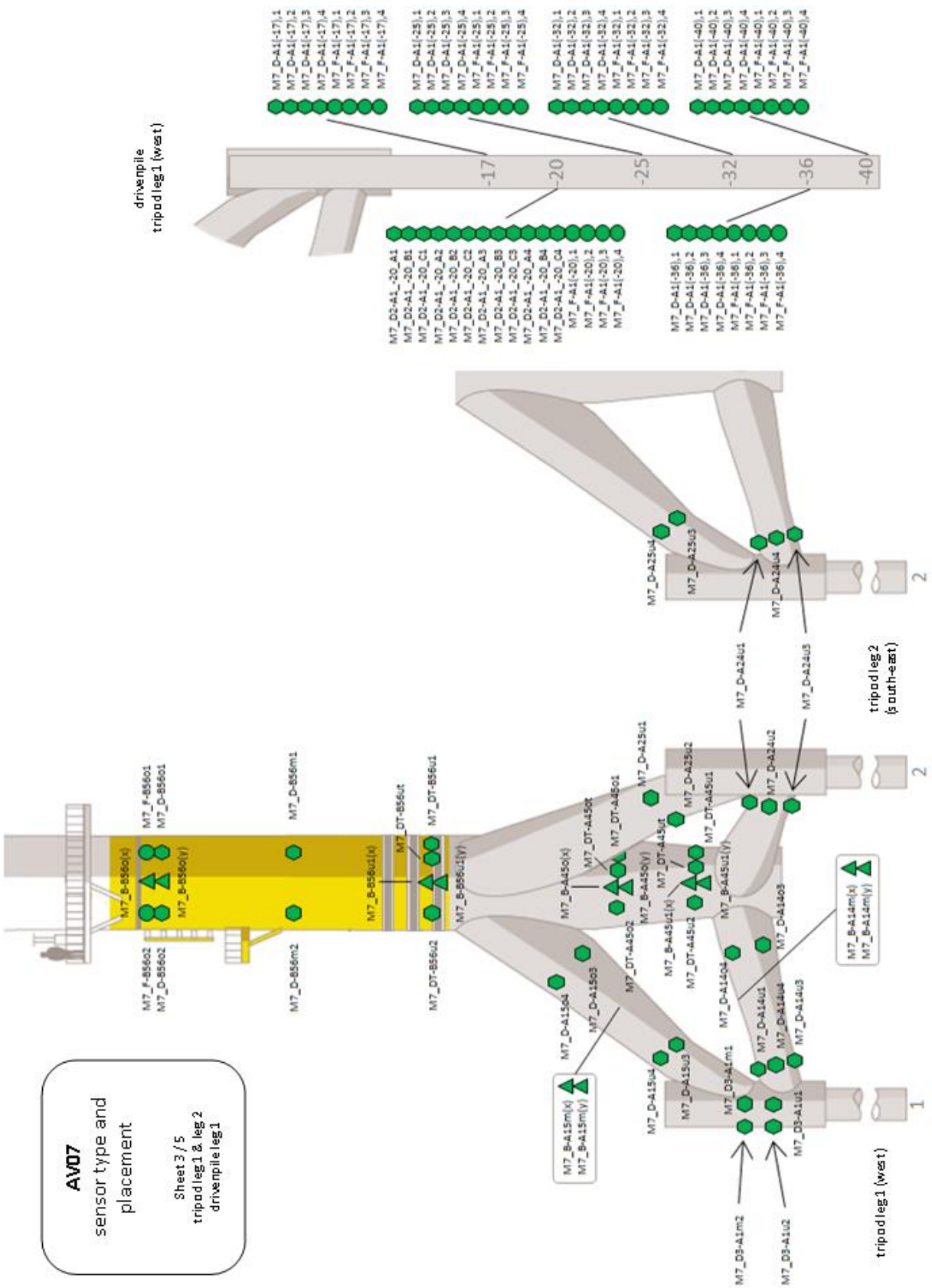
In total the following measuring points are planned:

1.1. Overview plans for measurements at Adwen WEA

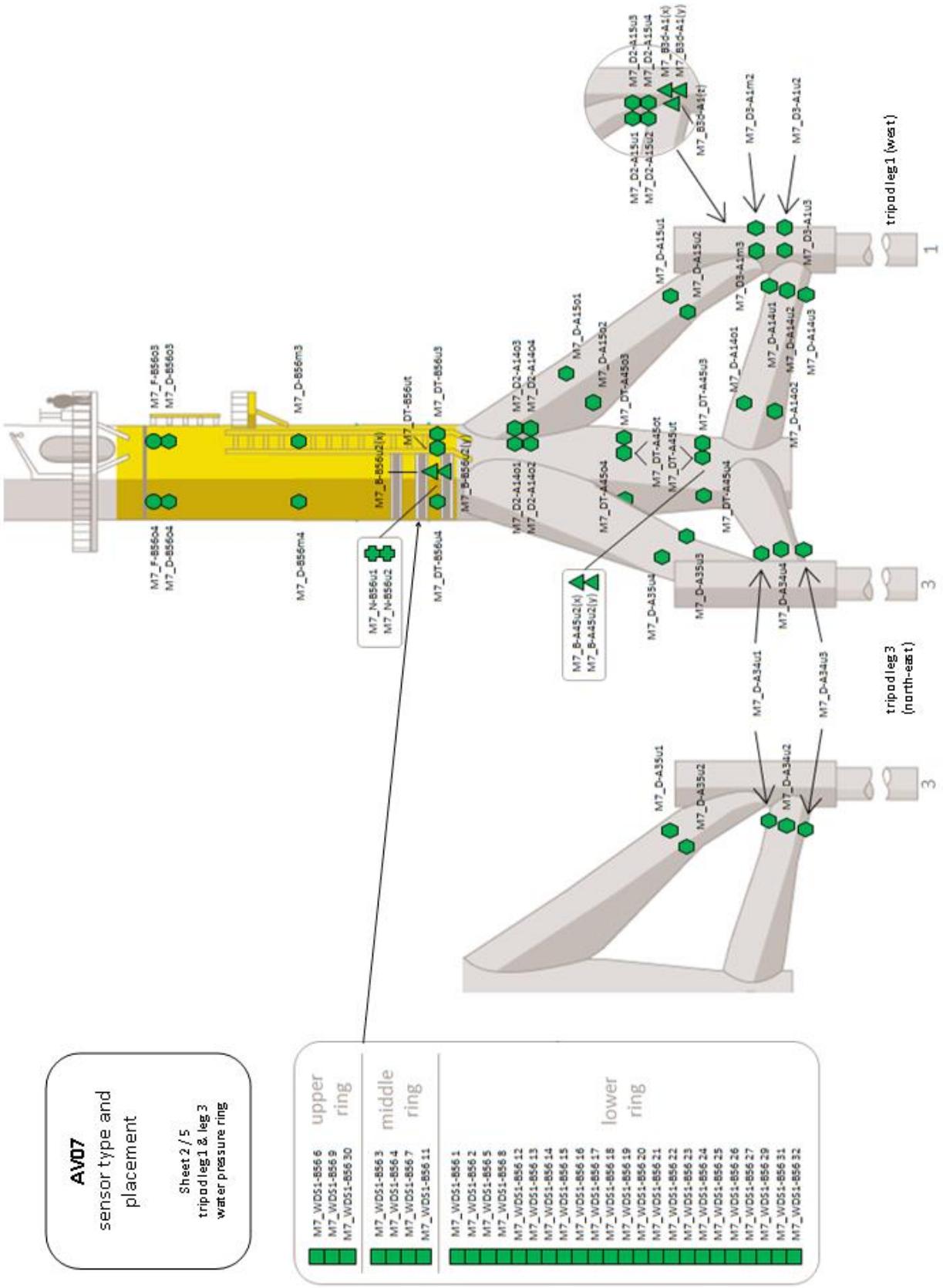
The following graphics provide an overview of the systematics of the sensor designation and the approximate positions of the sensors.



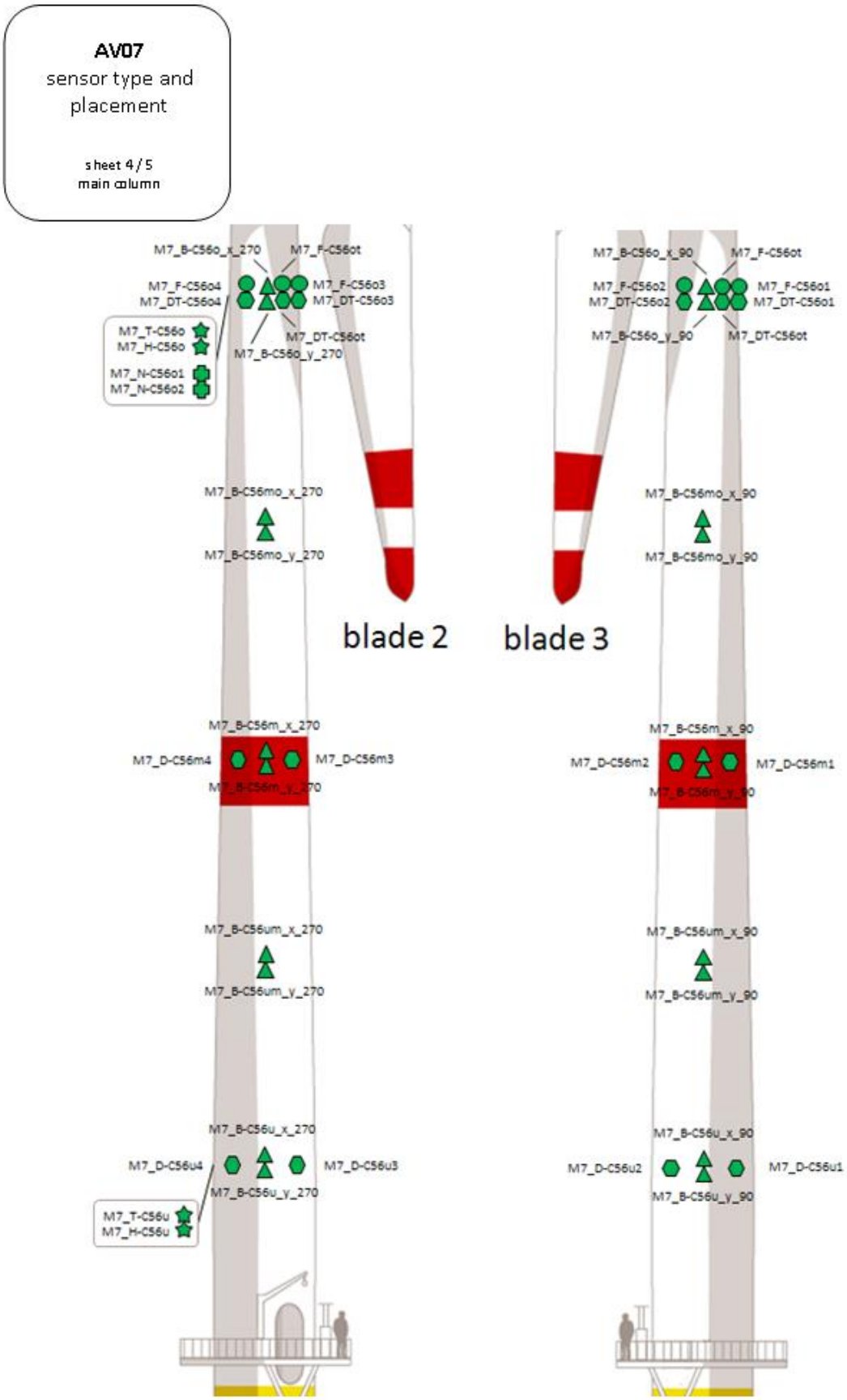
Definition of areas and systematics of sensor designations



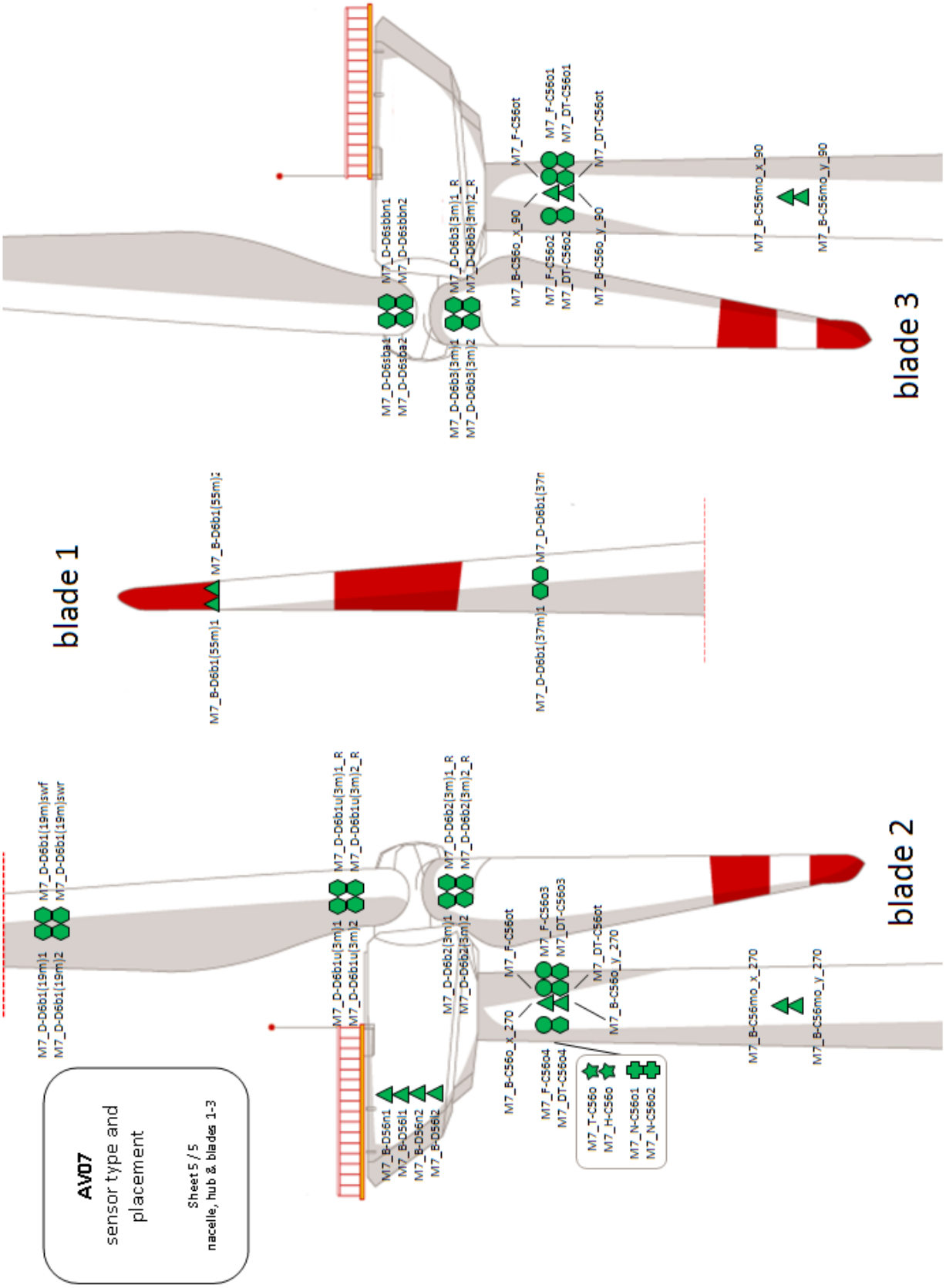
Sensor areas A, B: driven pile, tripod and tower



Sensor areas A, B: driven pile, tripod, tower and water pressure ring



Sensor Area C: tower



Sensor area D: nacelle, rotor

1.2. Measuring points WEA AV 7 – AV 12

Measuring point name (original)	English translation	WEA component	Clock rate [Hz]	Category	Data-owner
M7_6 Testcoupons für Korrosionsmessung	Test coupons for corrosion measurement	Tripod central tube		A	BSH
M7_6 Testcoupons für Korrosionsmessung	Test coupons for corrosion measurement	Tripod central tube		A	BSH
M7_6 Testcoupons für Korrosionsmessung	Test coupons for corrosion measurement	Tripod central tube		A	BSH
M7_A-A14m		Tripod Lower Braces	max. 200000	A	BSH
M7_A-A15m		Tripod Upper Braces	max. 200000	A	BSH
M7_A-A45m		Tripod central tube	max. 200000	A	BSH
M7_A-B56u		Tower	max. 200000	A	BSH
M7_A-C56m		Tower	max. 200000	A	BSH
M7_A-C56u		Tower	max. 200000	A	BSH
M7_ADCP (10m) Strömungsbetrag	Flow		0.001666667	A	BSH

Measuring point name (original)	English translation	WEA component	Clock rate [Hz]	Category	Data-owner
M7_ADCP (10m) Strömungsrichtung	Flow direction		0.001666667	A	BSH
M7_ADCP (12m) Strömungsbetrag	Flow		0.001666667	A	BSH
M7_ADCP (12m) Strömungsrichtung	Flow direction		0.001666667	A	BSH
M7_ADCP (14m) Strömungsbetrag	Flow		0.001666667	A	BSH
M7_ADCP (14m) Strömungsrichtung	Flow direction		0.001666667	A	BSH
M7_ADCP (16m) Strömungsbetrag	Flow		0.001666667	A	BSH
M7_ADCP (16m) Strömungsrichtung	Flow direction		0.001666667	A	BSH
M7_ADCP (18m) Strömungsbetrag	Flow		0.001666667	A	BSH
M7_ADCP (18m) Strömungsrichtung	Flow direction		0.001666667	A	BSH
M7_ADCP (20m) Strömungsbetrag	Flow		0.001666667	A	BSH
M7_ADCP (20m) Strömungsrichtung	Flow direction		0.001666667	A	BSH
M7_ADCP (22m) Strömungsbetrag	Flow		0.001666667	A	BSH
M7_ADCP (22m) Strömungsrichtung	Flow direction		0.001666667	A	BSH
M7_ADCP (24m) Strömungsbetrag	Flow		0.001666667	A	BSH
M7_ADCP (24m) Strömungsrichtung	Flow direction		0.001666667	A	BSH
M7_ADCP (26m) Strömungsbetrag	Flow		0.001666667	A	BSH
M7_ADCP (26m) Strömungsrichtung	Flow direction		0.001666667	A	BSH
M7_ADCP (28m) Strömungsbetrag	Flow		0.001666667	A	BSH
M7_ADCP (28m) Strömungsrichtung	Flow direction		0.001666667	A	BSH
M7_ADCP (2m) Strömungsbetrag	Flow		0.001666667	A	BSH

Measuring point name (original)	English translation	WEA component	Clock rate [Hz]	Category	Data-owner
M7_ADCP (2m) Strömungsrichtung	Flow direction		0.001666667	A	BSH
M7_ADCP (30m) Strömungsbetrag	Flow		0.001666667	A	BSH
M7_ADCP (30m) Strömungsrichtung	Flow direction		0.001666667	A	BSH
M7_ADCP (4m) Strömungsbetrag	Flow		0.001666667	A	BSH
M7_ADCP (4m) Strömungsrichtung	Flow direction		0.001666667	A	BSH
M7_ADCP (6m) Strömungsbetrag	Flow		0.001666667	A	BSH
M7_ADCP (6m) Strömungsrichtung	Flow direction		0.001666667	A	BSH
M7_ADCP (8m) Strömungsbetrag	Flow		0.001666667	A	BSH
M7_ADCP (8m) Strömungsrichtung	Flow direction		0.001666667	A	BSH
M7_ADCP Haupt-Wellenlaufrichtung	Main flow direction		0.000555556	A	BSH
M7_ADCP Haupt-Wellenperiode	Main flow period		0.000555556	A	BSH
M7_ADCP max. Wellenhöhe	Max. flow height		0.000555556	A	BSH
M7_ADCP signf. Wellenhöhe	Signf. flow height		0.000555556	A	BSH
M7_ADCP Wasserdruck	Water pressure		0.001666667	A	BSH
M7_ADCP Wassertemp. (29m)	Water temp. (29m)		0.001666667	A	BSH
M7_B3d-A1 (x)		Pile Sleeves	50	A	BSH
M7_B3d-A1 (y)		Pile Sleeves	50	A	BSH
M7_B3d-A1 (y2)		Pile Sleeves	50	A	BSH
M7_B3d-A1 (z)		Pile Sleeves	50	A	BSH

Measuring point name (original)	English translation	WEA component	Clock rate [Hz]	Category	Data-owner
M7_B-A14m(x)		Tripod Lower Braces	50	A	BSH
M7_B-A14m(y)		Tripod Lower Braces	50	A	BSH
M7_B-A15m(x)		Tripod Upper Braces	50	A	BSH
M7_B-A15m(y)		Tripod Upper Braces	50	A	BSH
M7_B-A45o(x)		Tripod central tube	50	A	BSH
M7_B-A45o(y)		Tripod central tube	50	A	BSH
M7_B-A45u1(x)		Tripod central tube	50	A	BSH
M7_B-A45u1(y)		Tripod central tube	50	A	BSH

Measuring point name (original)	English translation	WEA component	Clock rate [Hz]	Category	Data-owner
M7_B-A45u2(x)		Tripod central tube	50	A	BSH
M7_B-A45u2(y)		Tripod central tube	50	A	BSH
M7_B-B56o (x)		Tower	50	A	BSH
M7_B-B56o (y)		Tower	50	A	BSH
M7_B-B56u1 (x)		Tower	50	A	BSH
M7_B-B56u1 (y)		Tower	50	A	BSH
M7_B-B56u2 (x)		Tower	50	A	BSH
M7_B-B56u2 (y)		Tower	50	A	BSH
M7_B-C56m_x_270		Tower	50	A	BSH
M7_B-C56m_x_90		Tower	50	A	BSH
M7_B-C56m_y_270		Tower	50	A	BSH
M7_B-C56m_y_90		Tower	50	A	BSH
M7_B-C56mo_x_270		Tower	50	A	BSH
M7_B-C56mo_x_90		Tower	50	A	BSH
M7_B-C56mo_y_270		Tower	50	A	BSH
M7_B-C56mo_y_90		Tower	50	A	BSH
M7_B-C56o_x_270		Tower	50	A	BSH

Measuring point name (original)	English translation	WEA component	Clock rate [Hz]	Category	Data-owner
M7_B-C56o_x_90		Tower	50	A	BSH
M7_B-C56o_y_270		Tower	50	A	BSH
M7_B-C56o_y_90		Tower	50	A	BSH
M7_B-C56u_x_270		Tower	50	A	BSH
M7_B-C56u_x_90		Tower	50	A	BSH
M7_B-C56u_y_270		Tower	50	A	BSH
M7_B-C56u_y_90		Tower	50	A	BSH
M7_B-C56um_x_270		Tower	50	A	BSH
M7_B-C56um_x_90		Tower	50	A	BSH
M7_B-C56um_y_270		Tower	50	A	BSH
M7_B-C56um_y_90		Tower	50	A	BSH
M7_B-D56h_x		Nacelle	50	A	BSH
M7_B-D56h_z		Nacelle	50	A	BSH
M7_B-D56v_x		Nacelle	50	A	BSH
M7_B-D56v_y		Nacelle	50	A	BSH
M7_B-D6b1(55m)1		Rotor blade	50	A	BSH
M7_B-D6b1(55m)2		Rotor blade	50	A	BSH
M7_D2-A1_-20_A1		Driven pile	50	A	BSH

Measuring point name (original)	English translation	WEA component	Clock rate [Hz]	Category	Data-owner
M7_D2-A1_-20_A2		Driven pile	50	A	BSH
M7_D2-A1_-20_A3		Driven pile	50	A	BSH
M7_D2-A1_-20_A4		Driven pile	50	A	BSH
M7_D2-A1_-20_B1		Driven pile	50	A	BSH
M7_D2-A1_-20_B2		Driven pile	50	A	BSH
M7_D2-A1_-20_B3		Driven pile	50	A	BSH
M7_D2-A1_-20_B4		Driven pile	50	A	BSH
M7_D2-A1_-20_C1		Driven pile	50	A	BSH
M7_D2-A1_-20_C2		Driven pile	50	A	BSH
M7_D2-A1_-20_C3		Driven pile	50	A	BSH
M7_D2-A1_-20_C4		Driven pile	50	A	BSH
M7_D2-A14o1		Tripod	50	A	BSH
M7_D2-A14o2		Tripod	50	A	BSH
M7_D2-A14o3		Tripod	50	A	BSH
M7_D2-A14o4		Tripod	50	A	BSH
M7_D2-A15u1		Tripod	50	A	BSH
M7_D2-A15u2		Tripod	50	A	BSH
M7_D2-A15u3		Tripod	50	A	BSH
M7_D2-A15u4		Tripod	50	A	BSH
M7_D3-A1m1		Pile Sleeves	50	A	BSH

Measuring point name (original)	English translation	WEA component	Clock rate [Hz]	Category	Data-owner
M7_D3-A1m2		Pile Sleeves	50	A	BSH
M7_D3-A1m3		Pile Sleeves	50	A	BSH
M7_D3-A1u1		Pile Sleeves	50	A	BSH
M7_D3-A1u2		Pile Sleeves	50	A	BSH
M7_D3-A1u3		Pile Sleeves	50	A	BSH
M7_D-A1(-17),1		Driven pile	50	A	BSH
M7_D-A1(-17),2		Driven pile	50	A	BSH
M7_D-A1(-17),3		Driven pile	50	A	BSH
M7_D-A1(-17),4		Driven pile	50	A	BSH
M7_D-A1(-25),1		Driven pile	50	A	BSH
M7_D-A1(-25),2		Driven pile	50	A	BSH
M7_D-A1(-25),3		Driven pile	50	A	BSH
M7_D-A1(-25),4		Driven pile	50	A	BSH
M7_D-A1(-32),1		Driven pile	50	A	BSH
M7_D-A1(-32),2		Driven pile	50	A	BSH
M7_D-A1(-32),3		Driven pile	50	A	BSH
M7_D-A1(-32),4		Driven pile	50	A	BSH
M7_D-A1(-36),1		Driven pile	50	A	BSH
M7_D-A1(-36),2		Driven pile	50	A	BSH
M7_D-A1(-36),3		Driven pile	50	A	BSH

Measuring point name (original)	English translation	WEA component	Clock rate [Hz]	Category	Data-owner
M7_D-A1(-36),4		Driven pile	50	A	BSH
M7_D-A1(-40),1		Driven pile	50	A	BSH
M7_D-A1(-40),2		Driven pile	50	A	BSH
M7_D-A1(-40),3		Driven pile	50	A	BSH
M7_D-A1(-40),4		Driven pile	50	A	BSH
M7_D-A14o1		Tripod Lower Braces	50	A	BSH
M7_D-A14o2		Tripod Lower Braces	50	A	BSH
M7_D-A14o3		Tripod Lower Braces	50	A	BSH
M7_D-A14o4		Tripod Lower Braces	50	A	BSH
M7_D-A14u1		Tripod Lower Braces	50	A	BSH
M7_D-A14u2		Tripod Lower Braces	50	A	BSH

Measuring point name (original)	English translation	WEA component	Clock rate [Hz]	Category	Data-owner
M7_D-A14u3		Tripod Lower Braces	50	A	BSH
M7_D-A14u4		Tripod Lower Braces	50	A	BSH
M7_D-A15o1		Tripod Upper Braces	50	A	BSH
M7_D-A15o2		Tripod Upper Braces	50	A	BSH
M7_D-A15o3		Tripod Upper Braces	50	A	BSH
M7_D-A15o4		Tripod Upper Braces	50	A	BSH
M7_D-A15u1		Tripod Upper Braces	50	A	BSH
M7_D-A15u2		Tripod Upper Braces	50	A	BSH

Measuring point name (original)	English translation	WEA component	Clock rate [Hz]	Category	Data-owner
M7_D-A15u3		Tripod Upper Braces	50	A	BSH
M7_D-A15u4		Tripod Upper Braces	50	A	BSH
M7_D-A24u1		Tripod Lower Braces	50	A	BSH
M7_D-A24u2		Tripod Lower Braces	50	A	BSH
M7_D-A24u3		Tripod Lower Braces	50	A	BSH
M7_D-A24u4		Tripod Lower Braces	50	A	BSH
M7_D-A25u1		Tripod Upper Braces	50	A	BSH
M7_D-A25u2		Tripod Upper Braces	50	A	BSH

Measuring point name (original)	English translation	WEA component	Clock rate [Hz]	Category	Data-owner
M7_D-A25u3		Tripod Upper Braces	50	A	BSH
M7_D-A25u4		Tripod Upper Braces	50	A	BSH
M7_D-A34u1		Tripod Lower Braces	50	A	BSH
M7_D-A34u2		Tripod Lower Braces	50	A	BSH
M7_D-A34u3		Tripod Lower Braces	50	A	BSH
M7_D-A34u4		Tripod Lower Braces	50	A	BSH
M7_D-A35u1		Tripod Upper Braces	50	A	BSH
M7_D-A35u2		Tripod Upper Braces	50	A	BSH

Measuring point name (original)	English translation	WEA component	Clock rate [Hz]	Category	Data-owner
M7_D-A35u3		Tripod Upper Braces	50	A	BSH
M7_D-A35u4		Tripod Upper Braces	50	A	BSH
M7_D-B56m1		Tower	50	A	BSH
M7_D-B56m2		Tower	50	A	BSH
M7_D-B56m3		Tower	50	A	BSH
M7_D-B56m4		Tower	50	A	BSH
M7_D-B56o1		Tower	50	A	BSH
M7_D-B56o2		Tower	50	A	BSH
M7_D-B56o3		Tower	50	A	BSH
M7_D-B56o4		Tower	50	A	BSH
M7_D-C56m1		Tower	50	A	BSH
M7_D-C56m2		Tower	50	A	BSH
M7_D-C56m3		Tower	50	A	BSH
M7_D-C56m4		Tower	50	A	BSH
M7_D_C56Mtmn		Tower	50	A	BSH
M7_D_C56Mtml		Tower	50	A	BSH
M7_D_C56Mtun		Tower	50	A	BSH

Measuring point name (original)	English translation	WEA component	Clock rate [Hz]	Category	Data-owner
M7_D_C56Mtul		Tower	50	A	BSH
M7_D-C56u1		Tower	50	A	BSH
M7_D-C56u2		Tower	50	A	BSH
M7_D-C56u3		Tower	50	A	BSH
M7_D-C56u4		Tower	50	A	BSH
M7_D_D6b1_M1		Nacelle	50	A	BSH
M7_D_D6b2_M1		Nacelle	50	A	BSH
M7_D_D6b3_M1		Nacelle	50	A	BSH
M7_D_D6b1_M2		Nacelle	50	A	BSH
M7_D_D6b2_M2		Nacelle	50	A	BSH
M7_D_D6b3_M2		Nacelle	50	A	BSH
M7_D-D6b1(19m)1		Rotor blade	50	A	BSH
M7_D-D6b1(19m)2		Rotor blade	50	A	BSH
M7_D-D6b1(19m)swf		Rotor blade	50	A	BSH
M7_D-D6b1(19m)swr		Rotor blade	50	A	BSH
M7_D-D6b1(37m)1		Rotor blade	50	A	BSH

Measuring point name (original)	English translation	WEA component	Clock rate [Hz]	Category	Data-owner
M7_D-D6b1(37m)2		Rotor blade	50	A	BSH
M7_D-D6b1u(3m)1		Rotor blade	50	A	BSH
M7_D-D6b1u(3m)1_R		Rotor blade	50	A	BSH
M7_D-D6b1u(3m)2		Rotor blade	50	A	BSH
M7_D-D6b1u(3m)2_R		Rotor blade	50	A	BSH
M7_D-D6b2(3m)1		Rotor blade	50	A	BSH
M7_D-D6b2(3m)1_R		Rotor blade	50	A	BSH
M7_D-D6b2(3m)2		Rotor blade	50	A	BSH
M7_D-D6b2(3m)2_R		Rotor blade	50	A	BSH
M7_D-D6b3(3m)1		Rotor blade	50	A	BSH
M7_D-D6b3(3m)1_R		Rotor blade	50	A	BSH
M7_D-D6b3(3m)2		Rotor blade	50	A	BSH

Measuring point name (original)	English translation	WEA component	Clock rate [Hz]	Category	Data-owner
M7_D-D6b3(3m)2_R		Rotor blade	50	A	BSH
M7_D-D6sba1		Rotor blade	50	A	BSH
M7_D-D6sba2		Rotor blade	50	A	BSH
M7_D-D6sbbn1		Rotor blade	50	A	BSH
M7_D-D6sbbn2		Rotor blade	50	A	BSH
M7_DT-A45o1		Tripod central tube	50	A	BSH
M7_DT-A45o2		Tripod central tube	50	A	BSH
M7_DT-A45o3		Tripod central tube	50	A	BSH
M7_DT-A45o4		Tripod central tube	50	A	BSH
M7_DT-A45ot		Tripod central tube	50	A	BSH

Measuring point name (original)	English translation	WEA component	Clock rate [Hz]	Category	Data-owner
M7_DT-A45u1		Tripod central tube	50	A	BSH
M7_DT-A45u2		Tripod central tube	50	A	BSH
M7_DT-A45u3		Tripod central tube	50	A	BSH
M7_DT-A45u4		Tripod central tube	50	A	BSH
M7_DT-A45ut		Tripod central tube	50	A	BSH
M7_DT-B56u1		Tower	50	A	BSH
M7_DT-B56u2		Tower	50	A	BSH
M7_DT-B56u3		Tower	50	A	BSH
M7_DT-B56u4		Tower	50	A	BSH
M7_DT-B56ut		Tower	50	A	BSH
M7_DT_C56Mtol		Tower	50	A	BSH
M7_DT_C56Mton		Tower	50	A	BSH
M7_DT_C56Mtoz		Tower	50	A	BSH

Measuring point name (original)	English translation	WEA component	Clock rate [Hz]	Category	Data-owner
M7_DT-C56o1		Tower	50	A	BSH
M7_DT-C56o2		Tower	50	A	BSH
M7_DT-C56o3		Tower	50	A	BSH
M7_DT-C56o4		Tower	50	A	BSH
M7_DT-C56ot		Tower	50	A	BSH
M7_DT-C56ot2		Tower	50	A	BSH
M7_EMCN (E19)			0.003333333	A	BSH
M7_EMCO (E18)			0.003333333	A	BSH
M7_EMCS (E17)			0.003333333	A	BSH
M7_EMCW (E16)			0.003333333	A	BSH
M7_EW1 (E1)			0.003333333	A	BSH
M7_EW10 (E10)			0.003333333	A	BSH
M7_EW11 (E11)			0.003333333	A	BSH
M7_EW12 (E12)			0.003333333	A	BSH
M7_EW13 (E13)			0.003333333	A	BSH
M7_EW14 (E14)			0.003333333	A	BSH
M7_EW15 (E15)			0.003333333	A	BSH
M7_EW2 (E2)			0.003333333	A	BSH
M7_EW3 (E3)			0.003333333	A	BSH
M7_EW4 (E4)			0.003333333	A	BSH

Measuring point name (original)	English translation	WEA component	Clock rate [Hz]	Category	Data-owner
M7_EW5 (E5)			0.003333333	A	BSH
M7_EW6 (E6)			0.003333333	A	BSH
M7_EW7 (E7)			0.003333333	A	BSH
M7_EW8 (E8)			0.003333333	A	BSH
M7_EW9 (E9)			0.003333333	A	BSH
M7_F-A1(-17),1		Driven pile	50	A	BSH
M7_F-A1(-17),2		Driven pile	50	A	BSH
M7_F-A1(-17),3		Driven pile	50	A	BSH
M7_F-A1(-17),4		Driven pile	50	A	BSH
M7_F-A1(-20),1		Driven pile	50	A	BSH
M7_F-A1(-20),2		Driven pile	50	A	BSH
M7_F-A1(-20),3		Driven pile	50	A	BSH
M7_F-A1(-20),4		Driven pile	50	A	BSH
M7_F-A1(-25),1		Driven pile	50	A	BSH
M7_F-A1(-25),2		Driven pile	50	A	BSH
M7_F-A1(-25),3		Driven pile	50	A	BSH
M7_F-A1(-25),4		Driven pile	50	A	BSH
M7_F-A1(-32),1		Driven pile	50	A	BSH
M7_F-A1(-32),2		Driven pile	50	A	BSH
M7_F-A1(-32),3		Driven pile	50	A	BSH

Measuring point name (original)	English translation	WEA component	Clock rate [Hz]	Category	Data-owner
M7_F-A1(-32),4		Driven pile	50	A	BSH
M7_F-A1(-36),1		Driven pile	50	A	BSH
M7_F-A1(-36),2		Driven pile	50	A	BSH
M7_F-A1(-36),3		Driven pile	50	A	BSH
M7_F-A1(-36),4		Driven pile	50	A	BSH
M7_F-A1(-40),1		Driven pile	50	A	BSH
M7_F-A1(-40),2		Driven pile	50	A	BSH
M7_F-A1(-40),3		Driven pile	50	A	BSH
M7_F-A1(-40),4		Driven pile	50	A	BSH
M7_F-B56o1		Tower	50	A	BSH
M7_F-B56o2		Tower	50	A	BSH
M7_F-B56o3		Tower	50	A	BSH
M7_F-B56o4		Tower	50	A	BSH
M7_F-C56o1		Tower	50	A	BSH
M7_F-C56o2		Tower	50	A	BSH
M7_F-C56o3		Tower	50	A	BSH
M7_F-C56o4		Tower	50	A	BSH
M7_F-C56ot		Tower	50	A	BSH
M7_H-C56o		Tower	50	A	BSH
M7_H-C56u		Tower	50	A	BSH

Measuring point name (original)	English translation	WEA component	Clock rate [Hz]	Category	Data-owner
M7_Hydro_130			max. 200000	A	BSH
M7_Hydro_60			max. 200000	A	BSH
M7_Kamera (Wellenauflauf)	Camera (flow run-up)		1/h - 1/s	A	BSH
M7_Li_apan		Nacelle (roof)	30	A	BSH
M7_Li_atilt		Nacelle (roof)	30	A	BSH
M7_Li_CNR_1		Nacelle (roof)	30	A	BSH
M7_Li_CNR_2		Nacelle (roof)	30	A	BSH
M7_Li_CNR_3		Nacelle (roof)	30	A	BSH
M7_Li_CNR_4		Nacelle (roof)	30	A	BSH
M7_Li_CNR_5		Nacelle (roof)	30	A	BSH
M7_Li_f_1		Nacelle (roof)	30	A	BSH
M7_Li_f_2		Nacelle (roof)	30	A	BSH
M7_Li_f_3		Nacelle (roof)	30	A	BSH

Measuring point name (original)	English translation	WEA component	Clock rate [Hz]	Category	Data-owner
M7_Li_f_4		Nacelle (roof)	30	A	BSH
M7_Li_f_5		Nacelle (roof)	30	A	BSH
M7_Li_tACQ		Nacelle (roof)	30	A	BSH
M7_Li_temperature		Nacelle (roof)	30	A	BSH
M7_Li_tXPS		Nacelle (roof)	30	A	BSH
M7_Li_Vlos_1		Nacelle (roof)	30	A	BSH
M7_Li_Vlos_2		Nacelle (roof)	30	A	BSH
M7_Li_Vlos_3		Nacelle (roof)	30	A	BSH
M7_Li_Vlos_4		Nacelle (roof)	30	A	BSH
M7_Li_Vlos_5		Nacelle (roof)	30	A	BSH
M7_Luftdrucksensor außen (P7)	Air pressure sensor outside (P7)	Tower	0.016666667	A	BSH
M7_N-B56u1		Tower	50	A	BSH
M7_N-B56u2		Tower	50	A	BSH

Measuring point name (original)	English translation	WEA component	Clock rate [Hz]	Category	Data-owner
M7_N-C56o1		Tower	50	A	BSH
M7_N-C56o2		Tower	50	A	BSH
M7_PB_Beschleunigung Gondel längs	Acceleration nacelle lengthwise	Nacelle	50	B	Adwen
M7_PB_Beschleunigung Gondel längs_0.1Hz	Acceleration nacelle lengthwise_0.1Hz	Nacelle	0,1 (0,1Hz values from the 50Hz time series)	A	Adwen
M7_PB_Beschleunigung Gondel längs	Acceleration nacelle lengthwise	Nacelle	0.0016666667 (Min, Max, Mean, stddev of 50 Hz time series)	A	Adwen
M7_PB_Beschleunigung Gondel quer	Acceleration nacelle crosswise	Nacelle	50	B	Adwen
M7_PB_Beschleunigung Gondel quer_0.1Hz	Acceleration nacelle crosswise_0.1Hz	Nacelle	0,1 (0,1Hz values from the 50Hz time series)	A	Adwen
M7_PB_Beschleunigung Gondel quer	Acceleration nacelle crosswise	Nacelle	0.0016666667 (Min, Max, Mean, stddev of 50 Hz time series)	A	Adwen
M7_PB_Blindleistung Generator	Reactive power generator	Nacelle	50	B	Adwen
M7_PB_Blindleistung Generator_0.1Hz	Reactive power generator_0.1Hz	Nacelle	0,1 (0,1Hz values from the 50Hz time series)	A	Adwen
M7_PB_Blindleistung Generator	Reactive power generator	Nacelle	0.0016666667 (Min, Max, Mean,	A	Adwen

Measuring point name (original)	English translation	WEA component	Clock rate [Hz]	Category	Data-owner
			stddev of 50 Hz time series)		
M7_PB_Blindleistung Netz Trafo OS-seitig	Reactive power transformer OS-side	Nacelle	50	B	Adwen
M7_PB_Blindleistung Netz Trafo OS-seitig_0.1Hz	Reactive power transformer OS-side_0.1Hz	Nacelle	0,1 (0,1Hz values from the 50Hz time series)	A	Adwen
M7_PB_Blindleistung Netz Trafo OS-seitig	Reactive power transformer OS-side	Nacelle	0.0016666667 (Min, Max, Mean, stddev of 50 Hz time series)	A	Adwen
M7_PB_Frequenz Netz	Grid frequency	Nacelle	50	B	Adwen
M7_PB_Frequenz Netz_0.1Hz	Grid frequency _0.1Hz	Nacelle	0,1 (0,1Hz values from the 50Hz time series)	A	Adwen
M7_PB_Frequenz Netz	Grid Frequency	Nacelle	0.0016666667 (Min, Max, Mean, stddev of 50 Hz time series)	A	Adwen
M7_PB_Generatordrehzahl	Generator speed	Nacelle	50	B	Adwen
M7_PB_Generatordrehzahl_0.1Hz	Generator speed_0.1Hz	Nacelle	0,1 (0,1Hz values from the 50Hz time series)	A	Adwen
M7_PB_Generatordrehzahl	Generator speed	Nacelle	0.0016666667 (Min, Max, Mean,	A	Adwen

Measuring point name (original)	English translation	WEA component	Clock rate [Hz]	Category	Data-owner
			stddev of 50 Hz time series)		
M7_PB_Generatorspannung (Eff.wert) L1-L2	Generator voltage (Eff.value) L1-L2	Nacelle	50	B	Adwen
M7_PB_Generatorspannung (Eff.wert) L1-L2_0.1Hz	Generator voltage (Eff.value) L1-L2_0.1Hz	Nacelle	0,1 (0,1Hz values from the 50Hz time series)	A	Adwen
M7_PB_Generatorspannung (Eff.wert) L1-L2	Generator voltage (Eff.value) L1-L2	Nacelle	0.0016666667 (Min, Max, Mean, stddev of 50 Hz time series)	A	Adwen
M7_PB_Generatorspannung (Eff.wert) L2-L3	Generator voltage (Eff.value) L2-L3	Nacelle	50	B	Adwen
M7_PB_Generatorspannung (Eff.wert) L2-L3_0.1Hz	Generator voltage (Eff.value) L2-L3_0.1Hz	Nacelle	0,1 (0,1Hz values from the 50Hz time series)	A	Adwen
M7_PB_Generatorspannung (Eff.wert) L2-L3	Generator voltage (Eff.value) L2-L3	Nacelle	0.0016666667 (Min, Max, Mean, stddev of 50 Hz time series)	A	Adwen
M7_PB_Generatorspannung (Eff.wert) L3-L1	Generator voltage (Eff.value) L3-L1	Nacelle	50	B	Adwen
M7_PB_Generatorspannung (Eff.wert) L3-L1_0.1Hz	Generator voltage (Eff.value) L3-L1_0.1Hz	Nacelle	0,1 (0,1Hz values from the 50Hz time series)	A	Adwen
M7_PB_Generatorspannung (Eff.wert) L3-L1	Generator voltage (Eff.value) L3-L1	Nacelle	0.0016666667 (Min, Max, Mean,	A	Adwen

Measuring point name (original)	English translation	WEA component	Clock rate [Hz]	Category	Data-owner
			stddev of 50 Hz time series)		
M7_PB_Generatorstrom (Eff.wert) L1	Generator power (Eff.value) L1	Nacelle	50	B	Adwen
M7_PB_Generatorstrom (Eff.wert) L1_0.1Hz	Generator power (Eff.value) L1_0.1Hz	Nacelle	0,1 (0,1Hz values from the 50Hz time series)	A	Adwen
M7_PB_Generatorstrom (Eff.wert) L1	Generator power (Eff.value) L1	Nacelle	0.0016666667 (Min, Max, Mean, stddev of 50 Hz time series)	A	Adwen
M7_PB_Generatorstrom (Eff.wert) L2	Generator power (Eff.value) L2	Nacelle	50	B	Adwen
M7_PB_Generatorstrom (Eff.wert) L2_0.1Hz	Generator power (Eff.value) L2_0.1Hz	Nacelle	0,1 (0,1Hz values from the 50Hz time series)	A	Adwen
M7_PB_Generatorstrom (Eff.wert) L2	Generator power (Eff.value) L2	Nacelle	0.0016666667 (Min, Max, Mean, stddev of 50 Hz time series)	A	Adwen
M7_PB_Generatorstrom (Eff.wert) L3	Generator power (Eff.value) L3	Nacelle	50	B	Adwen
M7_PB_Generatorstrom (Eff.wert) L3_0.1Hz	Generator power (Eff.value) L3_0.1Hz	Nacelle	0,1 (0,1Hz values from the 50Hz time series)	A	Adwen
M7_PB_Generatorstrom (Eff.wert) L3	Generator power (Eff.value) L3	Nacelle	0.0016666667 (Min, Max, Mean,	A	Adwen

Measuring point name (original)	English translation	WEA component	Clock rate [Hz]	Category	Data-owner
			stddev of 50 Hz time series)		
M7_PB_Gondelposition	Nacelle position	Nacelle	50	B	Adwen
M7_PB_Gondelposition_0.1Hz	Nacelle position_0.1Hz	Nacelle	0,1 (0,1Hz values from the 50Hz time series)	A	Adwen
M7_PB_Gondelposition	Nacelle position	Nacelle	0.0016666667 (Min, Max, Mean, stddev of 50 Hz time series)	A	Adwen
M7_PB_Netzspannung Trafo OS-seitig (Eff.wert) L1	voltage Transformer OS-sideOS-side (Eff.value) L1	Nacelle	50	B	Adwen
M7_PB_Netzspannung Trafo OS-seitig (Eff.wert) L1 _0.1Hz	voltage Transformer OS-side (Eff.value) L1_0.1Hz	Nacelle	0,1 (0,1Hz values from the 50Hz time series)	A	Adwen
M7_PB_Netzspannung Trafo OS-seitig (Eff.wert) L1	voltage Transformer OS-side (Eff.value) L1	Nacelle	0.0016666667 (Min, Max, Mean, stddev of 50 Hz time series)	A	Adwen
M7_PB_Netzspannung Trafo OS-seitig (Eff.wert) L2	voltage Transformer OS-side (Eff.value) L2	Nacelle	50	B	Adwen
M7_PB_Netzspannung Trafo OS-seitig (Eff.wert) L2 _0.1Hz	voltage Transformer OS-side (Eff.value) L2_0.1Hz	Nacelle	0,1 (0,1Hz values from the 50Hz time series)	A	Adwen

Measuring point name (original)	English translation	WEA component	Clock rate [Hz]	Category	Data-owner
M7_PB_Netzspannung Trafo OS-seitig (Eff.wert) L2	voltage Transformer OS-side (Eff.value) L2	Nacelle	0.0016666667 (Min, Max, Mean, stddev of 50 Hz time series)	A	Adwen
M7_PB_Netzspannung Trafo OS-seitig (Eff.wert) L3	voltage Transformer OS-side (Eff.value) L3	Nacelle	50	B	Adwen
M7_PB_Netzspannung Trafo OS-seitig (Eff.wert) L3 _0.1Hz	voltage Transformer OS-side (Eff.value) L3_0.1Hz	Nacelle	0,1 (0,1Hz values from the 50Hz time series)	A	Adwen
M7_PB_Netzspannung Trafo OS-seitig (Eff.wert) L3	voltage Transformer OS-side (Eff.value) L3	Nacelle	0.0016666667 (Min, Max, Mean, stddev of 50 Hz time series)	A	Adwen
M7_PB_Netzstrom Trafo OS-seitig (Eff.wert) L1	Power Transformer OS-side (Eff.value) L1	Nacelle	50	B	Adwen
M7_PB_Netzstrom Trafo OS-seitig (Eff.wert) L1_0.1Hz	Power Transformer OS-side (Eff.value) L1_0.1Hz	Nacelle	0,1 (0,1Hz values from the 50Hz time series)	A	Adwen
M7_PB_Netzstrom Trafo OS-seitig (Eff.wert) L1	Power Transformer OS-side (Eff.value) L1	Nacelle	0.0016666667 (Min, Max, Mean, stddev of 50 Hz time series)	A	Adwen
M7_PB_Netzstrom Trafo OS-seitig (Eff.wert) L2	Power Transformer OS-side (Eff.value) L2	Nacelle	50	B	Adwen
M7_PB_Netzstrom Trafo OS-seitig (Eff.wert) L2_0.1Hz	Power Transformer OS-side (Eff.value) L2_0.1Hz	Nacelle	0,1 (0,1Hz values from the 50Hz time series)	A	Adwen

Measuring point name (original)	English translation	WEA component	Clock rate [Hz]	Category	Data-owner
M7_PB_Netzstrom Trafo OS-seitig (Eff.wert) L2	Power Transformer OS-side (Eff.value) L2	Nacelle	0.0016666667 (Min, Max, Mean, stddev of 50 Hz time series)	A	Adwen
M7_PB_Netzstrom Trafo OS-seitig (Eff.wert) L3	Power Transformer OS-side (Eff.value) L3	Nacelle	50	B	Adwen
M7_PB_Netzstrom Trafo OS-seitig (Eff.wert) L3_0.1Hz	Power Transformer OS-side (Eff.value) L3_0.1Hz	Nacelle	0,1 (0,1Hz values from the 50Hz time series)	A	Adwen
M7_PB_Netzstrom Trafo OS-seitig (Eff.wert) L3	Power Transformer OS-side (Eff.value) L3	Nacelle	0.0016666667 (Min, Max, Mean, stddev of 50 Hz time series)	A	Adwen
M7_PB_Pitchwinkel Blatt 1	Pitch angle blade 1	Nacelle	50	B	Adwen
M7_PB_Pitchwinkel Blatt 1_0.1Hz	Pitch angle blade 1_0.1Hz	Nacelle	0,1 (0,1Hz values from the 50Hz time series)	A	Adwen
M7_PB_Pitchwinkel Blatt 1	Pitch angle blade 1	Nacelle	0.0016666667 (Min, Max, Mean, stddev of 50 Hz time series)	A	Adwen
M7_PB_Pitchwinkel Blatt 2	Pitch angle blade 2	Nacelle	50	B	Adwen
M7_PB_Pitchwinkel Blatt 2_0.1Hz	Pitch angle blade 2_0.1Hz	Nacelle	0,1 (0,1Hz values from the 50Hz time series)	A	Adwen

Measuring point name (original)	English translation	WEA component	Clock rate [Hz]	Category	Data-owner
M7_PB_Pitchwinkel Blatt 2	Pitch angle blade 2	Nacelle	0.0016666667 (Min, Max, Mean, stddev of 50 Hz time series)	A	Adwen
M7_PB_Pitchwinkel Blatt 3	Pitch angle blade 3	Nacelle	50	B	Adwen
M7_PB_Pitchwinkel Blatt 3_0.1Hz	Pitch angle blade 3_0.1Hz	Nacelle	0,1 (0,1Hz values from the 50Hz time series)	A	Adwen
M7_PB_Pitchwinkel Blatt 3	Pitch angle blade 3	Nacelle	0.0016666667 (Min, Max, Mean, stddev of 50 Hz time series)	A	Adwen
M7_PB_Reserve			50	B	Adwen
M7_PB_Reserve_0.1Hz			0,1 (0,1Hz values from the 50Hz time series)	A	Adwen
M7_PB_Reserve			0.0016666667 (Min, Max, Mean, stddev of 50 Hz time series)	A	Adwen
M7_PB_Rotor Position		Nacelle	50	B	Adwen
M7_PB_Rotor Position_0.1Hz		Nacelle	0,1 (0,1Hz values from the 50Hz time series)	A	Adwen

Measuring point name (original)	English translation	WEA component	Clock rate [Hz]	Category	Data-owner
M7_PB_Rotor Position		Nacelle	0.0016666667 (Min, Max, Mean, stddev of 50 Hz time series)	A	Adwen
M7_PB_Rotordrehzahl	Rotor speed	Nacelle	50	B	Adwen
M7_PB_Rotordrehzahl_0.1Hz	Rotor speed_0.1Hz	Nacelle	0,1 (0,1Hz values from the 50Hz time series)	A	Adwen
M7_PB_Rotordrehzahl	Rotor speed	Nacelle	0.0016666667 (Min, Max, Mean, stddev of 50 Hz time series)	A	Adwen
M7_PB_WEA Status		Nacelle	50	B	Adwen
M7_PB_WEA Status_0.1Hz		Nacelle	0,1 (0,1Hz values from the 50Hz time series)	A	Adwen
M7_PB_WEA Status		Nacelle	0.0016666667 (Min, Max, Mean, stddev of 50 Hz time series)	A	Adwen
M7_PB_Windgeschwindigkeit 1	Windspeed 1	Nacelle	50	B	Adwen
M7_PB_Windgeschwindigkeit 1_0.1Hz	Windspeed 1_0.1Hz	Nacelle	0,1 (0,1Hz values from the 50Hz time series)	A	Adwen

Measuring point name (original)	English translation	WEA component	Clock rate [Hz]	Category	Data-owner
M7_PB_Windgeschwindigkeit 1	Windspeed 1	Nacelle	0.0016666667 (Min, Max, Mean, stddev of 50 Hz time series)	A	Adwen
M7_PB_Windgeschwindigkeit 2	Windspeed 2	Nacelle	50	B	Adwen
M7_PB_Windgeschwindigkeit 2_0.1Hz	Windspeed 2_0.1Hz	Nacelle	0,1 (0,1Hz values from the 50Hz time series)	A	Adwen
M7_PB_Windgeschwindigkeit 2	Windspeed 2	Nacelle	0.0016666667 (Min, Max, Mean, stddev of 50 Hz time series)	A	Adwen
M7_PB_Windrichtung 1, relativ	Winddirection 1, relative	Nacelle	50	B	Adwen
M7_PB_Windrichtung 1, relativ_0.1Hz	Winddirection 1, relative_0.1Hz	Nacelle	0,1 (0,1Hz values from the 50Hz time series)	A	Adwen
M7_PB_Windrichtung 1, relativ	Winddirection 1, relative	Nacelle	0.0016666667 (Min, Max, Mean, stddev of 50 Hz time series)	A	Adwen
M7_PB_Windrichtung 2, relativ	Winddirection 2, relative	Nacelle	50	B	Adwen
M7_PB_Windrichtung 2, relativ_0.1Hz	Winddirection 2, relative_0.1Hz	Nacelle	0,1 (0,1Hz values from the 50Hz time series)	A	Adwen

Measuring point name (original)	English translation	WEA component	Clock rate [Hz]	Category	Data-owner
M7_PB_Windrichtung 2, relativ	Windrichtung 2, relative	Nacelle	0.0016666667 (Min, Max, Mean, stddev of 50 Hz time series)	A	Adwen
M7_PB_Wirkleistung Generator	Active power Generator	Nacelle	50	B	Adwen
M7_PB_Wirkleistung Generator_0.1Hz	Active power Generator_0.1Hz	Nacelle	0,1 (0,1Hz values from the 50Hz time series)	A	Adwen
M7_PB_Wirkleistung Generator	Active power Generator	Nacelle	0.0016666667 (Min, Max, Mean, stddev of 50 Hz time series)	A	Adwen
M7_PB_Wirkleistung Netz Trafo OS-seitig	Active power Net Transformer OS-side	Nacelle	50	B	Adwen
M7_PB_Wirkleistung Netz Trafo OS-seitig_0.1Hz	Active power Net Transformer OS-side_0.1Hz	Nacelle	0,1 (0,1Hz values from the 50Hz time series)	A	Adwen
M7_PB_Wirkleistung Netz Trafo OS-seitig	Active power Net Transformer OS-side	Nacelle	0.0016666667 (Min, Max, Mean, stddev of 50 Hz time series)	A	Adwen
M7_RV-D1		Driven pile	50	A	BSH
M7_RV-D2		Driven pile	50	A	BSH
M7_RV-H1		Driven pile	50	A	BSH
M7_RV-H2		Driven pile	50	A	BSH

Measuring point name (original)	English translation	WEA component	Clock rate [Hz]	Category	Data-owner
M7_RV-L		Driven pile	50	A	BSH
M7_RV-T		Driven pile	50	A	BSH
M7_RV-V1		Driven pile	50	A	BSH
M7_RV-V2		Driven pile	50	A	BSH
M7_T-C56o		Tower	50	A	BSH
M7_T-C56u		Tower	50	A	BSH
M7_USA_P7 T		Tower	50	A	BSH
M7_USA_P7 u		Tower	50	A	BSH
M7_USA_P7 v		Tower	50	A	BSH
M7_USA_P7 w		Tower	50	A	BSH
M7_WDS1-B56 1		Central tube	50	A	BSH
M7_WDS1-B56 12		Central tube	50	A	BSH
M7_WDS1-B56 13		Central tube	50	A	BSH
M7_WDS1-B56 14		Central tube	50	A	BSH
M7_WDS1-B56 15		Central tube	50	A	BSH
M7_WDS1-B56 16		Central tube	50	A	BSH

Measuring point name (original)	English translation	WEA component	Clock rate [Hz]	Category	Data-owner
M7_WDS1-B56 17		Central tube	50	A	BSH
M7_WDS1-B56 18		Central tube	50	A	BSH
M7_WDS1-B56 19		Central tube	50	A	BSH
M7_WDS1-B56 2		Central tube	50	A	BSH
M7_WDS1-B56 20		Central tube	50	A	BSH
M7_WDS1-B56 21		Central tube	50	A	BSH
M7_WDS1-B56 22		Central tube	50	A	BSH
M7_WDS1-B56 23		Central tube	50	A	BSH
M7_WDS1-B56 24		Central tube	50	A	BSH
M7_WDS1-B56 25		Central tube	50	A	BSH
M7_WDS1-B56 26		Central tube	50	A	BSH
M7_WDS1-B56 27		Central tube	50	A	BSH

Measuring point name (original)	English translation	WEA component	Clock rate [Hz]	Category	Data-owner
M7_WDS1-B56 29		Central tube	50	A	BSH
M7_WDS1-B56 31		Central tube	50	A	BSH
M7_WDS1-B56 32		Central tube	50	A	BSH
M7_WDS1-B56 5		Central tube	50	A	BSH
M7_WDS1-B56 8		Central tube	50	A	BSH
M7_WDS2-B56 11		Central tube	50	A	BSH
M7_WDS2-B56 3		Central tube	50	A	BSH
M7_WDS2-B56 4		Central tube	50	A	BSH
M7_WDS2-B56 7		Central tube	50	A	BSH
M7_WDS3-B56 30		Central tube	50	A	BSH
M7_WDS3-B56 6		Central tube	50	A	BSH
M7_WDS3-B56 9		Central tube	50	A	BSH

Measuring point name (original)	English translation	WEA component	Clock rate [Hz]	Category	Data-owner
M7_WT-A1(-25)		Tripod	0.001666667	A	BSH
M7_WT-A1(-28)		Tripod	0.001666667	A	BSH
M7_WT-A15(-10)		Tripod	0.001666667	A	BSH
M7_WT-A15(-15)		Tripod	0.001666667	A	BSH
M7_WT-A15(-20)		Tripod	0.001666667	A	BSH
M7_WT-A45(-3)		Tripod	0.001666667	A	BSH
M7_WT-A45(-5)		Tripod	0.001666667	A	BSH
M8_B-C56o1		Tower	50	A	BSH
M8_B-C56o2		Tower	50	A	BSH
M8_B-C56m1		Tower	50	A	BSH
M8_B-C56m2		Tower	50	A	BSH
M8_B-C56m3		Tower	50	A	BSH
M8_B-C56m4		Tower	50	A	BSH
M8_B-C56u1		Tower	50	A	BSH
M8_B-C56u2		Tower	50	A	BSH
M8_B-C56u3		Tower	50	A	BSH
M8_B-C56u4		Tower	50	A	BSH
M8_B-C56um1		Tower	50	A	BSH
M8_B-C56um2		Tower	50	A	BSH
M8_B-C56um3		Tower	50	A	BSH

Measuring point name (original)	English translation	WEA component	Clock rate [Hz]	Category	Data-owner
M8_B-C56um4		Tower	50	A	BSH
M8_B-C56mo1		Tower	50	A	BSH
M8_B-C56mo2		Tower	50	A	BSH
M8_B-C56mo3		Tower	50	A	BSH
M8_B-C56mo4		Tower	50	A	BSH
M8_B-C56o3		Tower	50	A	BSH
M8_B-C56o4		Tower	50	A	BSH
M8_B-D56v_x		Nacelle	50	A	BSH
M8_B-D56v_y		Nacelle	50	A	BSH
M8_B-D56h_z		Nacelle	50	A	BSH
M8_B-D56h_x		Nacelle	50	A	BSH
M8_B-D6b1(55m)1		Rotor blade	50	A	BSH
M8_B-D6b1(55m)2		Rotor blade	50	A	BSH
M8_D-C56u1		Tower	50	A	BSH
M8_D-C56u2		Tower	50	A	BSH
M8_D-C56u3		Tower	50	A	BSH
M8_D-C56u4		Tower	50	A	BSH
M8_D-D6b1(19m)1		Rotor blade	50	A	BSH

Measuring point name (original)	English translation	WEA component	Clock rate [Hz]	Category	Data-owner
M8_D-D6b1(19m)2		Rotor blade	50	A	BSH
M8_D-D6b1(19m)swf		Rotor blade	50	A	BSH
M8_D-D6b1(19m)swr		Rotor blade	50	A	BSH
M8_D-D6b1(37m)1		Rotor blade	50	A	BSH
M8_D-D6b1(37m)2		Rotor blade	50	A	BSH
M8_D-D6b1(3m),1		Rotor	50	A	BSH
M8_D-D6b1(3m),1_R		Rotor	50	A	BSH
M8_D-D6b1(3m),2		Rotor	50	A	BSH
M8_D-D6b1(3m),2_R		Rotor	50	A	BSH
M8_D-D6b2(3m),1		Rotor	50	A	BSH
M8_D-D6b2(3m),2		Rotor	50	A	BSH
M8_D-D6b3(3m),1		Rotor	50	A	BSH
M8_D-D6b3(3m),2		Rotor	50	A	BSH
M8_D-D6sba1		Rotor blade	50	A	BSH
M8_D-D6sba2		Rotor blade	50	A	BSH

Measuring point name (original)	English translation	WEA component	Clock rate [Hz]	Category	Data-owner
M8_D-D6sbbn1		Rotor blade	50	A	BSH
M8_D-D6sbbn2		Rotor blade	50	A	BSH
M8_DT-C56o1		Tower	50	A	BSH
M8_DT-C56o2		Tower	50	A	BSH
M8_DT-C56o3		Tower	50	A	BSH
M8_DT-C56o4		Tower	50	A	BSH
M8_DT-C56ot		Tower	50	A	BSH
M8_DT-C56ot2		Tower	50	A	BSH
M8_PB_Beschleunigung Gondel längs	Acceleration nacelle lenghtwise	Nacelle	50	B	Adwen
M8_PB_Beschleunigung Gondel längs_0.1Hz	Acceleration nacelle lengthwise_0.1Hz	Nacelle	0,1 (0,1Hz values from the 50Hz time series)	A	Adwen
M8_PB_Beschleunigung Gondel längs	Acceleration nacelle lenghtwise	Nacelle	0.0016666667 (Min, Max, Mean, stddev of 50 Hz time series)	A	Adwen
M8_PB_Beschleunigung Gondel quer	Acceleration nacelle crosswise	Nacelle	50	B	Adwen
M8_PB_Beschleunigung Gondel quer_0.1Hz	Acceleration nacelle crosswise_0.1Hz	Nacelle	0,1 (0,1Hz values from the 50Hz time series)	A	Adwen

Measuring point name (original)	English translation	WEA component	Clock rate [Hz]	Category	Data-owner
M8_PB_Beschleunigung Gondel quer	Acceleration nacelle crosswise	Nacelle	0.0016666667 (Min, Max, Mean, stddev of 50 Hz time series)	A	Adwen
M8_PB_Blindleistung Generator	Reactive Power generator	Nacelle	50	B	Adwen
M8_PB_Blindleistung Generator_0.1Hz	Reactive Power generator_0.1Hz	Nacelle	0,1 (0,1Hz values from the 50Hz time series)	A	Adwen
M8_PB_Blindleistung Generator	Reactive Power generator	Nacelle	0.0016666667 (Min, Max, Mean, stddev of 50 Hz time series)	A	Adwen
M8_PB_Blindleistung Netz Trafo OS-seitig	Reactive Power Net Transformer OS-side	Nacelle	50	B	Adwen
M8_PB_Blindleistung Netz Trafo OS-seitig_0.1Hz	Reactive Power Net Transformer OS-side_0.1Hz	Nacelle	0,1 (0,1Hz values from the 50Hz time series)	A	Adwen
M8_PB_Blindleistung Netz Trafo OS-seitig	Reactive Power Net Transformer OS-side	Nacelle	0.0016666667 (Min, Max, Mean, stddev of 50 Hz time series)	A	Adwen
M8_PB_Frequenz Netz	Frequency Net	Nacelle	50	B	Adwen
M8_PB_Frequenz Netz_0.1Hz	Frequency Net_0.1Hz	Nacelle	0,1 (0,1Hz values from the 50Hz time series)	A	Adwen

Measuring point name (original)	English translation	WEA component	Clock rate [Hz]	Category	Data-owner
M8_PB_Frequenz Netz	Frequency Net	Nacelle	0.0016666667 (Min, Max, Mean, stddev of 50 Hz time series)	A	Adwen
M8_PB_Generatordrehzahl	Generator speed	Nacelle	50	B	Adwen
M8_PB_Generatordrehzahl_0.1Hz	Generator speed_0.1Hz	Nacelle	0,1 (0,1Hz values from the 50Hz time series)	A	Adwen
M8_PB_Generatordrehzahl	Generator speed	Nacelle	0.0016666667 (Min, Max, Mean, stddev of 50 Hz time series)	A	Adwen
M8_PB_Generatorspannung (Eff.wert) L1-L2	Generator voltage (Eff.value) L1-L2	Nacelle	50	B	Adwen
M8_PB_Generatorspannung (Eff.wert) L1-L2_0.1Hz	Generator voltage (Eff.value) L1-L2_0.1Hz	Nacelle	0,1 (0,1Hz values from the 50Hz time series)	A	Adwen
M8_PB_Generatorspannung (Eff.wert) L1-L2	Generator voltage (Eff.value) L1-L2	Nacelle	0.0016666667 (Min, Max, Mean, stddev of 50 Hz time series)	A	Adwen
M8_PB_Generatorspannung (Eff.wert) L2-L3	Generator voltage (Eff.value) L2-L3	Nacelle	50	B	Adwen
M8_PB_Generatorspannung (Eff.wert) L2-L3_0.1Hz	Generator voltage (Eff.value) L2-L3_0.1Hz	Nacelle	0,1 (0,1Hz values from the 50Hz time series)	A	Adwen

Measuring point name (original)	English translation	WEA component	Clock rate [Hz]	Category	Data-owner
M8_PB_Generatorspannung (Eff.wert) L2-L3	Generator voltage (Eff.value) L2-L3	Nacelle	0.0016666667 (Min, Max, Mean, stddev of 50 Hz time series)	A	Adwen
M8_PB_Generatorspannung (Eff.wert) L3-L1	Generator voltage (Eff.value) L3-L1	Nacelle	50	B	Adwen
M8_PB_Generatorspannung (Eff.wert) L3-L1_0.1Hz	Generator voltage (Eff.value) L3-L1_0.1Hz	Nacelle	0,1 (0,1Hz values from the 50Hz time series)	A	Adwen
M8_PB_Generatorspannung (Eff.wert) L3-L1	Generator voltage (Eff.value) L3-L1	Nacelle	0.0016666667 (Min, Max, Mean, stddev of 50 Hz time series)	A	Adwen
M8_PB_Generatorstrom (Eff.wert) L1	Generator power (Eff.value) L1	Nacelle	50	B	Adwen
M8_PB_Generatorstrom (Eff.wert) L1_0.1Hz	Generator power (Eff.value) L1_0.1Hz	Nacelle	0,1 (0,1Hz values from the 50Hz time series)	A	Adwen
M8_PB_Generatorstrom (Eff.wert) L1	Generator power (Eff.value) L1	Nacelle	0.0016666667 (Min, Max, Mean, stddev of 50 Hz time series)	A	Adwen
M8_PB_Generatorstrom (Eff.wert) L2	Generator power (Eff.value) L2	Nacelle	50	B	Adwen
M8_PB_Generatorstrom (Eff.wert) L2_0.1Hz	Generator power (Eff.value) L2_0.1Hz	Nacelle	0,1 (0,1Hz values from the 50Hz time series)	A	Adwen

Measuring point name (original)	English translation	WEA component	Clock rate [Hz]	Category	Data-owner
M8_PB_Generatorstrom (Eff.wert) L2	Generator power (Eff.value)L2	Nacelle	0.0016666667 (Min, Max, Mean, stddev of 50 Hz time series)	A	Adwen
M8_PB_Generatorstrom (Eff.wert) L3	Generator power (Eff.value) L3	Nacelle	50	B	Adwen
M8_PB_Generatorstrom (Eff.wert) L3_0.1Hz	Generator power (Eff.value) L3_0.1Hz	Nacelle	0,1 (0,1Hz values from the 50Hz time series)	A	Adwen
M8_PB_Generatorstrom (Eff.wert) L3	Generator power (Eff.value) L3	Nacelle	0.0016666667 (Min, Max, Mean, stddev of 50 Hz time series)	A	Adwen
M8_Gondeleposition	Nacelle position	Nacelle	50	B	Adwen
M8_PB_Gondelposition_0.1Hz	Nacelle position_0.1Hz	Nacelle	0,1 (0,1Hz values from the 50Hz time series)	A	Adwen
M8_PB_Gondelposition	Nacelle position	Nacelle	0.0016666667 (Min, Max, Mean, stddev of 50 Hz time series)	A	Adwen
M8_PB_Netzspannung Trafo OS-seitig (Eff.wert) L1	Voltage Transformer OS-side (Eff.value) L1	Nacelle	50	B	Adwen
M8_PB_Netzspannung Trafo OS-seitig (Eff.wert) L1 _0.1Hz	Voltage Transformer OS-side (Eff.value) L1 _0.1Hz	Nacelle	0,1 (0,1Hz values from the 50Hz time series)	A	Adwen

Measuring point name (original)	English translation	WEA component	Clock rate [Hz]	Category	Data-owner
M8_PB_Netzspannung Trafo OS-seitig (Eff.wert) L1	Voltage Transformer OS-side (Eff.value) L1	Nacelle	0.0016666667 (Min, Max, Mean, stddev of 50 Hz time series)	A	Adwen
M8_PB_Netzspannung Trafo OS-seitig (Eff.wert) L2	Voltage Transformer OS-side (Eff.value) L2	Nacelle	50	B	Adwen
M8_PB_Netzspannung Trafo OS-seitig (Eff.wert) L2 _0.1Hz	Voltage Transformer OS-side (Eff.value) L2 _0.1Hz	Nacelle	0,1 (0,1Hz values from the 50Hz time series)	A	Adwen
M8_PB_Netzspannung Trafo OS-seitig (Eff.wert) L2	Voltage Transformer OS-side (Eff.value) L2	Nacelle	0.0016666667 (Min, Max, Mean, stddev of 50 Hz time series)	A	Adwen
M8_PB_Netzspannung Trafo OS-seitig (Eff.wert) L3	Voltage Transformer OS-side (Eff.value) L3	Nacelle	50	B	Adwen
M8_PB_Netzspannung Trafo OS-seitig (Eff.wert) L3 _0.1Hz	Voltage Transformer OS-side (Eff.value) L3 _0.1Hz	Nacelle	0,1 (0,1Hz values from the 50Hz time series)	A	Adwen
M8_PB_Netzspannung Trafo OS-seitig (Eff.wert) L3	Voltage Transformer OS-side (Eff.value) L3	Nacelle	0.0016666667 (Min, Max, Mean, stddev of 50 Hz time series)	A	Adwen
M8_PB_Netzstrom Trafo OS-seitig (Eff.wert) L1	Voltage power Transformer OS-side (Eff.value) L1	Nacelle	50	B	Adwen

Measuring point name (original)	English translation	WEA component	Clock rate [Hz]	Category	Data-owner
M8_PB_Netzstrom Trafo OS-seitig (Eff.wert) L1_0.1Hz	Voltage power Transformer OS-side (Eff.value) L1_0.1Hz	Nacelle	0,1 (0,1Hz values from the 50Hz time series)	A	Adwen
M8_PB_Netzstrom Trafo OS-seitig (Eff.wert) L1	Voltage power Transformer OS-side (Eff.value) L1	Nacelle	0.0016666667 (Min, Max, Mean, stddev of 50 Hz time series)	A	Adwen
M8_PB_Netzstrom Trafo OS-seitig (Eff.wert) L2	Voltage power Transformer OS-side (Eff.value) L2	Nacelle	50	B	Adwen
M8_PB_Netzstrom Trafo OS-seitig (Eff.wert) L2_0.1Hz	Voltage power Transformer OS-side (Eff.value) L2_0.1Hz	Nacelle	0,1 (0,1Hz values from the 50Hz time series)	A	Adwen
M8_PB_Netzstrom Trafo OS-seitig (Eff.wert) L2	Voltage power Transformer OS-side (Eff.value) L2	Nacelle	0.0016666667 (Min, Max, Mean, stddev of 50 Hz time series)	A	Adwen
M8_PB_Netzstrom Trafo OS-seitig (Eff.wert) L3	Voltage power Transformer OS-side (Eff.value) L3	Nacelle	50	B	Adwen
M8_PB_Netzstrom Trafo OS-seitig (Eff.wert) L3_0.1Hz	Voltage power Transformer OS-side (Eff.value)L3_0.1Hz	Nacelle	0,1 (0,1Hz values from the 50Hz time series)	A	Adwen
M8_PB_Netzstrom Trafo OS-seitig (Eff.wert) L3	Voltage power Transformer OS-side (Eff.value) L3	Nacelle	0.0016666667 (Min, Max, Mean, stddev of 50 Hz time series)	A	Adwen

Measuring point name (original)	English translation	WEA component	Clock rate [Hz]	Category	Data-owner
M8_PB_Pitchwinkel Blatt 1	Pitch angle blade 1	Nacelle	50	B	Adwen
M8_PB_Pitchwinkel Blatt 1_0.1Hz	Pitch angle blade 1_0.1Hz	Nacelle	0,1 (0,1Hz values from the 50Hz time series)	A	Adwen
M8_PB_Pitchwinkel Blatt 1	Pitch angle blade 1	Nacelle	0.0016666667 (Min, Max, Mean, stddev of 50 Hz time series)	A	Adwen
M8_PB_Pitchwinkel Blatt 2	Pitch angle blade 2	Nacelle	50	B	Adwen
M8_PB_Pitchwinkel Blatt 2_0.1Hz	Pitch angle blade 2_0.1Hz	Nacelle	0,1 (0,1Hz values from the 50Hz time series)	A	Adwen
M8_PB_Pitchwinkel Blatt 2	Pitch angle blade 2	Nacelle	0.0016666667 (Min, Max, Mean, stddev of 50 Hz time series)	A	Adwen
M8_PB_Pitchwinkel Blatt 3	Pitch angle blade 3	Nacelle	50	B	Adwen
M8_PB_Pitchwinkel Blatt 3_0.1Hz	Pitch angle blade 3_0.1Hz	Nacelle	0,1 (0,1Hz values from the 50Hz time series)	A	Adwen
M8_PB_Pitchwinkel Blatt 3	Pitch angle blade 3	Nacelle	0.0016666667 (Min, Max, Mean, stddev of 50 Hz time series)	A	Adwen
M8_PB_Reserve			50	B	Adwen

Measuring point name (original)	English translation	WEA component	Clock rate [Hz]	Category	Data-owner
M8_PB_Reserve_0.1Hz			0,1 (0,1Hz values from the 50Hz time series)	A	Adwen
M8_PB_Reserve			0.0016666667 (Min, Max, Mean, stddev of 50 Hz time series)	A	Adwen
M8_PB_Rotor Position		Nacelle	50	B	Adwen
M8_PB_Rotor Position_0.1Hz		Nacelle	0,1 (0,1Hz values from the 50Hz time series)	A	Adwen
M8_PB_Rotor Position		Nacelle	0.0016666667 (Min, Max, Mean, stddev of 50 Hz time series)	A	Adwen
M8_PB_Rotordrehzahl	Rotor speed	Nacelle	50	B	Adwen
M8_PB_Rotordrehzahl_0.1Hz	Rotor speed _0.1Hz	Nacelle	0,1 (0,1Hz values from the 50Hz time series)	A	Adwen
M8_PB_Rotordrehzahl	Rotor speed	Nacelle	0.0016666667 (Min, Max, Mean, stddev of 50 Hz time series)	A	Adwen
M8_PB_WEA Status		Nacelle	50	B	Adwen

Measuring point name (original)	English translation	WEA component	Clock rate [Hz]	Category	Data-owner
M8_PB_WEA Status_0.1Hz		Nacelle	0,1 (0,1Hz values from the 50Hz time series)	A	Adwen
M8_PB_WEA Status		Nacelle	0.0016666667 (Min, Max, Mean, stddev of 50 Hz time series)	A	Adwen
M8_PB_Windgeschwindigkeit 1	Wind speed 1	Nacelle	50	B	Adwen
M8_PB_Windgeschwindigkeit 1_0.1Hz	Wind speed 1_0.1Hz	Nacelle	0,1 (0,1Hz values from the 50Hz time series)	A	Adwen
M8_PB_Windgeschwindigkeit 1	Wind speed 1	Nacelle	0.0016666667 (Min, Max, Mean, stddev of 50 Hz time series)	A	Adwen
M8_PB_Windgeschwindigkeit 2	Wind speed 2	Nacelle	50	B	Adwen
M8_PB_Windgeschwindigkeit 2_0.1Hz	Wind speed 2_0.1Hz	Nacelle	0,1 (0,1Hz values from the 50Hz time series)	A	Adwen
M8_PB_Windgeschwindigkeit 2	Wind speed 2	Nacelle	0.0016666667 (Min, Max, Mean, stddev of 50 Hz time series)	A	Adwen
M8_PB_Windrichtung 1, relativ	Wind direction 1, relative	Nacelle	50	B	Adwen

Measuring point name (original)	English translation	WEA component	Clock rate [Hz]	Category	Data-owner
M8_PB_Windrichtung 1, relativ_0.1Hz	Wind direction 1, relative_0.1Hz	Nacelle	0,1 (0,1Hz values from the 50Hz time series)	A	Adwen
M8_PB_Windrichtung 1, relativ	Wind direction 1, relative	Nacelle	0.0016666667 (Min, Max, Mean, stddev of 50 Hz time series)	A	Adwen
M8_PB_Windrichtung 2, relativ	Wind direction 2, relative	Nacelle	50	B	Adwen
M8_PB_Windrichtung 2, relativ_0.1Hz	Wind direction 2, relative_0.1Hz	Nacelle	0,1 (0,1Hz values from the 50Hz time series)	A	Adwen
M8_PB_Windrichtung 2, relativ	Wind direction 2, relative	Nacelle	0.0016666667 (Min, Max, Mean, stddev of 50 Hz time series)	A	Adwen
M8_PB_Wirkleistung Generator	Active power Generator	Nacelle	50	B	Adwen
M8_PB_Wirkleistung Generator_0.1Hz	Active power Generator_0.1Hz	Nacelle	0,1 (0,1Hz values from the 50Hz time series)	A	Adwen
M8_PB_Wirkleistung Generator	Active power Generator	Nacelle	0.0016666667 (Min, Max, Mean, stddev of 50 Hz time series)	A	Adwen
M8_PB_Wirkleistung Netz Trafo OS-seitig	Active power Net Transformer OS-side	Nacelle	50	B	Adwen

Measuring point name (original)	English translation	WEA component	Clock rate [Hz]	Category	Data-owner
M8_PB_Wirkleistung Netz Trafo OS-seitig_0.1Hz	Active power Net Transformer OS-side _0.1Hz	Nacelle	0,1 (0,1Hz values from the 50Hz time series)	A	Adwen
M8_PB_Wirkleistung Netz Trafo OS-seitig	Active power Net Transformer OS-side	Nacelle	0.0016666667 (Min, Max, Mean, stddev of 50 Hz time series)	A	Adwen
M9_PB_Blindleistung Generator	Reactive power Generator	Nacelle	50	B	Adwen
M9_PB_Blindleistung Generator_0.1Hz	Reactive power Generator_0.1Hz	Nacelle	0,1 (0,1Hz values from the 50Hz time series)	A	Adwen
M9_PB_Blindleistung Generator	Reactive power Generator	Nacelle	0.0016666667 (Min, Max, Mean, stddev of 50 Hz time series)	A	Adwen
M9_PB_Blindleistung Netz Trafo OS-seitig	Reactive power Net Transformer OS-side	Nacelle	50	B	Adwen
M9_PB_Blindleistung Netz Trafo OS-seitig_0.1Hz	Reactive power Net Transformer OS-side _0.1Hz	Nacelle	0,1 (0,1Hz values from the 50Hz time series)	A	Adwen
M9_PB_Blindleistung Netz Trafo OS-seitig	Reactive power Net Transformer OS-side	Nacelle	0.0016666667 (Min, Max, Mean, stddev of 50 Hz time series)	A	Adwen
M9_PB_Frequenz Netz	Frequency Net	Nacelle	50	B	Adwen

Measuring point name (original)	English translation	WEA component	Clock rate [Hz]	Category	Data-owner
M9_PB_Frequenz Netz_0.1Hz	Frequency Net_0.1Hz	Nacelle	0,1 (0,1Hz values from the 50Hz time series)	A	Adwen
M9_PB_Frequenz Netz	Frequency Net	Nacelle	0.0016666667 (Min, Max, Mean, stddev of 50 Hz time series)	A	Adwen
M9_PB_Generatordrehzahl	Generator speed	Nacelle	50	B	Adwen
M9_PB_Generatordrehzahl_0.1Hz	Generator speed _0.1Hz	Nacelle	0,1 (0,1Hz values from the 50Hz time series)	A	Adwen
M9_PB_Generatordrehzahl	Generator speed	Nacelle	0.0016666667 (Min, Max, Mean, stddev of 50 Hz time series)	A	Adwen
M9_PB_Gondelposition	Nacelle position	Nacelle	50	B	Adwen
M9_PB_Gondelposition_0.1Hz	Nacelle position_0.1Hz	Nacelle	0,1 (0,1Hz values from the 50Hz time series)	A	Adwen
M9_PB_Gondelposition	Nacelle position	Nacelle	0.0016666667 (Min, Max, Mean, stddev of 50 Hz time series)	A	Adwen
M9_PB_Pitchwinkel Blatt 1	Pitch angle blade 1	Nacelle	50	B	Adwen

Measuring point name (original)	English translation	WEA component	Clock rate [Hz]	Category	Data-owner
M9_PB_Pitchwinkel Blatt 1_0.1Hz	Pitch angle blade 1_0.1Hz	Nacelle	0,1 (0,1Hz values from the 50Hz time series)	A	Adwen
M9_PB_Pitchwinkel Blatt 1	Pitch angle blade 1	Nacelle	0.0016666667 (Min, Max, Mean, stddev of 50 Hz time series)	A	Adwen
M9_PB_Pitchwinkel Blatt 2	Pitch angle blade 2	Nacelle	50	B	Adwen
M9_PB_Pitchwinkel Blatt 2_0.1Hz	Pitch angle blade 2_0.1Hz	Nacelle	0,1 (0,1Hz values from the 50Hz time series)	A	Adwen
M9_PB_Pitchwinkel Blatt 2	Pitch angle blade 2	Nacelle	0.0016666667 (Min, Max, Mean, stddev of 50 Hz time series)	A	Adwen
M9_PB_Pitchwinkel Blatt 3	Pitch angle blade 3	Nacelle	50	B	Adwen
M9_PB_Pitchwinkel Blatt 3_0.1Hz	Pitch angle blade 3_0.1Hz	Nacelle	0,1 (0,1Hz values from the 50Hz time series)	A	Adwen
M9_PB_Pitchwinkel Blatt 3	Pitch angle blade 3	Nacelle	0.0016666667 (Min, Max, Mean, stddev of 50 Hz time series)	A	Adwen
M9_PB_Reseve		Nacelle	50	B	Adwen

Measuring point name (original)	English translation	WEA component	Clock rate [Hz]	Category	Data-owner
M9_PB_Reseve_0.1Hz		Nacelle	0,1 (0,1Hz values from the 50Hz time series)	A	Adwen
M9_PB_Reseve		Nacelle	0.0016666667 (Min, Max, Mean, stddev of 50 Hz time series)	A	Adwen
M9_PB_Rotor Position		Nacelle	50	B	Adwen
M9_PB_Rotor Position_0.1Hz		Nacelle	0,1 (0,1Hz values from the 50Hz time series)	A	Adwen
M9_PB_Rotor Position		Nacelle	0.0016666667 (Min, Max, Mean, stddev of 50 Hz time series)	A	Adwen
M9_PB_Rotordrehzahl	Rotor speed	Nacelle	50	B	Adwen
M9_PB_Rotordrehzahl_0.1Hz	Rotor speed_0.1Hz	Nacelle	0,1 (0,1Hz values from the 50Hz time series)	A	Adwen
M9_PB_Rotordrehzahl	Rotor speed	Nacelle	0.0016666667 (Min, Max, Mean, stddev of 50 Hz time series)	A	Adwen
M9_PB_WEA Status		Nacelle	50	B	Adwen

Measuring point name (original)	English translation	WEA component	Clock rate [Hz]	Category	Data-owner
M9_PB_WEA Status_0.1Hz		Nacelle	0,1 (0,1Hz values from the 50Hz time series)	A	Adwen
M9_PB_WEA Status		Nacelle	0.0016666667 (Min, Max, Mean, stddev of 50 Hz time series)	A	Adwen
M9_PB_Windgeschwindigkeit	Wind speed	Nacelle	50	B	Adwen
M9_PB_Windgeschwindigkeit_0.1Hz	Wind speed _0.1Hz	Nacelle	0,1 (0,1Hz values from the 50Hz time series)	A	Adwen
M9_PB_Windgeschwindigkeit	Wind speed	Nacelle	0.0016666667 (Min, Max, Mean, stddev of 50 Hz time series)	A	Adwen
M9_PB_Windrichtung, relativ	Wind direction, relative	Nacelle	50	B	Adwen
M9_PB_Windrichtung, relativ_0.1Hz	Wind direction, relative_0.1Hz	Nacelle	0,1 (0,1Hz values from the 50Hz time series)	A	Adwen
M9_PB_Windrichtung, relativ	Wind direction, relative	Nacelle	0.0016666667 (Min, Max, Mean, stddev of 50 Hz time series)	A	Adwen
M9_PB_Wirkleistung Generator	Active power generator	Nacelle	50	B	Adwen

Measuring point name (original)	English translation	WEA component	Clock rate [Hz]	Category	Data-owner
M9_PB_Wirkleistung Generator_0.1Hz	Active power generator_0.1Hz	Nacelle	0,1 (0,1Hz values from the 50Hz time series)	A	Adwen
M9_PB_Wirkleistung Generator	Active power generator	Nacelle	0.0016666667 (Min, Max, Mean, stddev of 50 Hz time series)	A	Adwen
M9_PB_Wirkleistung Netz Trafo OS-seitig	Active power generator Net Transformer OS-side	Nacelle	50	B	Adwen
M9_PB_Wirkleistung Netz Trafo OS-seitig_0.1Hz	Active power generator Net Transformer OS-side_0.1Hz	Nacelle	0,1 (0,1Hz values from the 50Hz time series)	A	Adwen
M9_PB_Wirkleistung Netz Trafo OS-seitig	Active power generator Net Transformer OS-side	Nacelle	0.0016666667 (Min, Max, Mean, stddev of 50 Hz time series)	A	Adwen
M10_PB_Blindleistung Generator	Reactive power generator	Nacelle	50	B	Adwen
M10_PB_Blindleistung Generator_0.1Hz	Reactive power generator _0.1Hz	Nacelle	0,1 (0,1Hz values from the 50Hz time series)	A	Adwen
M10_PB_Blindleistung Generator	Reactive power generator	Nacelle	0.0016666667 (Min, Max, Mean, stddev of 50 Hz time series)	A	Adwen
M10_PB_Blindleistung Netz Trafo OS-seitig	Reactive power Net Transformer OS-side	Nacelle	50	B	Adwen

Measuring point name (original)	English translation	WEA component	Clock rate [Hz]	Category	Data-owner
M10_PB_Blindleistung Netz Trafo OS-seitig_0.1Hz	Reactive power Net Transformer OS-side_0.1Hz	Nacelle	0,1 (0,1Hz values from the 50Hz time series)	A	Adwen
M10_PB_Blindleistung Netz Trafo OS-seitig	Reactive power Net Transformer OS-side	Nacelle	0.0016666667 (Min, Max, Mean, stddev of 50 Hz time series)	A	Adwen
M10_PB_Frequenz Netz	Frequency Net	Nacelle	50	B	Adwen
M10_PB_Frequenz Netz_0.1Hz	Frequency Net_0.1Hz	Nacelle	0,1 (0,1Hz values from the 50Hz time series)	A	Adwen
M10_PB_Frequenz Netz	Frequency Net	Nacelle	0.0016666667 (Min, Max, Mean, stddev of 50 Hz time series)	A	Adwen
M10_PB_Generatordrehzahl	Generator speed	Nacelle	50	B	Adwen
M10_PB_Generatordrehzahl_0.1Hz	Generator speed_0.1Hz	Nacelle	0,1 (0,1Hz values from the 50Hz time series)	A	Adwen
M10_PB_Generatordrehzahl	Generator speed	Nacelle	0.0016666667 (Min, Max, Mean, stddev of 50 Hz time series)	A	Adwen
M10_PB_Gondelposition	Nacelle position	Nacelle	50	B	Adwen

Measuring point name (original)	English translation	WEA component	Clock rate [Hz]	Category	Data-owner
M10_PB_Gondelposition_0.1Hz	Nacelle position_0.1Hz	Nacelle	0,1 (0,1Hz values from the 50Hz time series)	A	Adwen
M10_PB_Gondelposition	Nacelle position	Nacelle	0.0016666667 (Min, Max, Mean, stddev of 50 Hz time series)	A	Adwen
M10_PB_Pitchwinkel Blatt 1	Pitch angle blade 1	Nacelle	50	B	Adwen
M10_PB_Pitchwinkel Blatt 1_0.1Hz	Pitch angle blade 1_0.1Hz	Nacelle	0,1 (0,1Hz values from the 50Hz time series)	A	Adwen
M10_PB_Pitchwinkel Blatt 1	Pitch angle blade 1	Nacelle	0.0016666667 (Min, Max, Mean, stddev of 50 Hz time series)	A	Adwen
M10_PB_Pitchwinkel Blatt 2	Pitch angle blade 2	Nacelle	50	B	Adwen
M10_PB_Pitchwinkel Blatt 2_0.1Hz	Pitch angle blade 2_0.1Hz	Nacelle	0,1 (0,1Hz values from the 50Hz time series)	A	Adwen
M10_PB_Pitchwinkel Blatt 2	Pitch angle blade 2	Nacelle	0.0016666667 (Min, Max, Mean, stddev of 50 Hz time series)	A	Adwen
M10_PB_Pitchwinkel Blatt 3	Pitch angle blade 3	Nacelle	50	B	Adwen

Measuring point name (original)	English translation	WEA component	Clock rate [Hz]	Category	Data-owner
M10_PB_Pitchwinkel Blatt 3_0.1Hz	Pitch angle blade 3_0.1Hz	Nacelle	0,1 (0,1Hz values from the 50Hz time series)	A	Adwen
M10_PB_Pitchwinkel Blatt 3	Pitch angle blade 3	Nacelle	0.0016666667 (Min, Max, Mean, stddev of 50 Hz time series)	A	Adwen
M10_PB_Reseve		Nacelle	50	B	Adwen
M10_PB_Reseve_0.1Hz		Nacelle	0,1 (0,1Hz values from the 50Hz time series)	A	Adwen
M10_PB_Reseve		Nacelle	0.0016666667 (Min, Max, Mean, stddev of 50 Hz time series)	A	Adwen
M10_PB_Rotor Position		Nacelle	50	B	Adwen
M10_PB_Rotor Position_0.1Hz		Nacelle	0,1 (0,1Hz values from the 50Hz time series)	A	Adwen
M10_PB_Rotor Position		Nacelle	0.0016666667 (Min, Max, Mean, stddev of 50 Hz time series)	A	Adwen
M10_PB_Rotordrehzahl	Rotor speed	Nacelle	50	B	Adwen

Measuring point name (original)	English translation	WEA component	Clock rate [Hz]	Category	Data-owner
M10_PB_Rotordrehzahl_0.1Hz	Rotor speed_0.1Hz	Nacelle	0,1 (0,1Hz values from the 50Hz time series)	A	Adwen
M10_PB_Rotordrehzahl	Rotor speed	Nacelle	0.0016666667 (Min, Max, Mean, stddev of 50 Hz time series)	A	Adwen
M10_PB_WEA Status		Nacelle	50	B	Adwen
M10_PB_WEA Status_0.1Hz		Nacelle	0,1 (0,1Hz values from the 50Hz time series)	A	Adwen
M10_PB_WEA Status		Nacelle	0.0016666667 (Min, Max, Mean, stddev of 50 Hz time series)	A	Adwen
M10_PB_Windgeschwindigkeit	Wind speed	Nacelle	50	B	Adwen
M10_PB_Windgeschwindigkeit_0.1Hz	Wind speed_0.1Hz	Nacelle	0,1 (0,1Hz values from the 50Hz time series)	A	Adwen
M10_PB_Windgeschwindigkeit	Wind speed	Nacelle	0.0016666667 (Min, Max, Mean, stddev of 50 Hz time series)	A	Adwen
M10_PB_Windrichtung, relativ	Wind direction, relative	Nacelle	50	B	Adwen

Measuring point name (original)	English translation	WEA component	Clock rate [Hz]	Category	Data-owner
M10_PB_Windrichtung, relativ_0.1Hz	Wind direction, relative_0.1Hz	Nacelle	0,1 (0,1Hz values from the 50Hz time series)	A	Adwen
M10_PB_Windrichtung, relativ	Wind direction, relative	Nacelle	0.0016666667 (Min, Max, Mean, stddev of 50 Hz time series)	A	Adwen
M10_PB_Wirkleistung Generator	Active power generator	Nacelle	50	B	Adwen
M10_PB_Wirkleistung Generator_0.1Hz	Active power generator _0.1Hz	Nacelle	0,1 (0,1Hz values from the 50Hz time series)	A	Adwen
M10_PB_Wirkleistung Generator	Active power generator	Nacelle	0.0016666667 (Min, Max, Mean, stddev of 50 Hz time series)	A	Adwen
M10_PB_Wirkleistung Netz Trafo OS-seitig	Active power Net Transformer OS-side	Nacelle	50	B	Adwen
M10_PB_Wirkleistung Netz Trafo OS-seitig_0.1Hz	Active power Net Transformer OS-side_0.1Hz	Nacelle	0,1 (0,1Hz values from the 50Hz time series)	A	Adwen
M10_PB_Wirkleistung Netz Trafo OS-seitig	Active power Net Transformer OS-side	Nacelle	0.0016666667 (Min, Max, Mean, stddev of 50 Hz time series)	A	Adwen
M11_PB_Blindleistung Generator	Reactive power generator	Nacelle	50	B	Adwen

Measuring point name (original)	English translation	WEA component	Clock rate [Hz]	Category	Data-owner
M11_PB_Blindleistung Generator_0.1Hz	Reactive power generator_0.1Hz	Nacelle	0,1 (0,1Hz values from the 50Hz time series)	A	Adwen
M11_PB_Blindleistung Generator	Reactive power generator	Nacelle	0.0016666667 (Min, Max, Mean, stddev of 50 Hz time series)	A	Adwen
M11_PB_Blindleistung Netz Trafo OS-seitig	Active power Net Transformer OS-side	Nacelle	50	B	Adwen
M11_PB_Blindleistung Netz Trafo OS-seitig_0.1Hz	Active power Net Transformer OS-side_0.1Hz	Nacelle	0,1 (0,1Hz values from the 50Hz time series)	A	Adwen
M11_PB_Blindleistung Netz Trafo OS-seitig	Active power Net Transformer OS-side	Nacelle	0.0016666667 (Min, Max, Mean, stddev of 50 Hz time series)	A	Adwen
M11_PB_Frequenz Netz	Frequency Net	Nacelle	50	B	Adwen
M11_PB_Frequenz Netz_0.1Hz	Frequency Net _0.1Hz	Nacelle	0,1 (0,1Hz values from the 50Hz time series)	A	Adwen
M11_PB_Frequenz Netz	Frequency Net	Nacelle	0.0016666667 (Min, Max, Mean, stddev of 50 Hz time series)	A	Adwen
M11_PB_Generatordrehzahl	Generator speed	Nacelle	50	B	Adwen

Measuring point name (original)	English translation	WEA component	Clock rate [Hz]	Category	Data-owner
M11_PB_Generatordrehzahl_0.1Hz	Generator speed_0.1Hz	Nacelle	0,1 (0,1Hz values from the 50Hz time series)	A	Adwen
M11_PB_Generatordrehzahl	Generator speed	Nacelle	0.0016666667 (Min, Max, Mean, stddev of 50 Hz time series)	A	Adwen
M11_PB_Gondelposition	Nacelle position	Nacelle	50	B	Adwen
M11_PB_Gondelposition_0.1Hz	Nacelle position_0.1Hz	Nacelle	0,1 (0,1Hz values from the 50Hz time series)	A	Adwen
M11_PB_Gondelposition	Nacelle position	Nacelle	0.0016666667 (Min, Max, Mean, stddev of 50 Hz time series)	A	Adwen
M11_PB_Pitchwinkel Blatt 1	Pitch angle blade 1	Nacelle	50	B	Adwen
M11_PB_Pitchwinkel Blatt 1_0.1Hz	Pitch angle blade 1_0.1Hz	Nacelle	0,1 (0,1Hz values from the 50Hz time series)	A	Adwen
M11_PB_Pitchwinkel Blatt 1	Pitch angle blade 1	Nacelle	0.0016666667 (Min, Max, Mean, stddev of 50 Hz time series)	A	Adwen
M11_PB_Pitchwinkel Blatt 2	Pitch angle blade 2	Nacelle	50	B	Adwen

Measuring point name (original)	English translation	WEA component	Clock rate [Hz]	Category	Data-owner
M11_PB_Pitchwinkel Blatt 2_0.1Hz	Pitch angle blade 2_0.1Hz	Nacelle	0,1 (0,1Hz values from the 50Hz time series)	A	Adwen
M11_PB_Pitchwinkel Blatt 2	Pitch angle blade 2	Nacelle	0.0016666667 (Min, Max, Mean, stddev of 50 Hz time series)	A	Adwen
M11_PB_Pitchwinkel Blatt 3	Pitch angle blade 3	Nacelle	50	B	Adwen
M11_PB_Pitchwinkel Blatt 3_0.1Hz	Pitch angle blade 3_0.1Hz	Nacelle	0,1 (0,1Hz values from the 50Hz time series)	A	Adwen
M11_PB_Pitchwinkel Blatt 3	Pitch angle blade 3	Nacelle	0.0016666667 (Min, Max, Mean, stddev of 50 Hz time series)	A	Adwen
M11_PB_Reseve		Nacelle	50	B	Adwen
M11_PB_Reseve_0.1Hz		Nacelle	0,1 (0,1Hz values from the 50Hz time series)	A	Adwen
M11_PB_Reseve		Nacelle	0.0016666667 (Min, Max, Mean, stddev of 50 Hz time series)	A	Adwen
M11_PB_Rotor Position		Nacelle	50	B	Adwen

Measuring point name (original)	English translation	WEA component	Clock rate [Hz]	Category	Data-owner
M11_PB_Rotor Position_0.1Hz		Nacelle	0,1 (0,1Hz values from the 50Hz time series)	A	Adwen
M11_PB_Rotor Position		Nacelle	0.0016666667 (Min, Max, Mean, stddev of 50 Hz time series)	A	Adwen
M11_PB_Rotordrehzahl	Rotor speed	Nacelle	50	B	Adwen
M11_PB_Rotordrehzahl_0.1Hz	Rotor speed_0.1Hz	Nacelle	0,1 (0,1Hz values from the 50Hz time series)	A	Adwen
M11_PB_Rotordrehzahl	Rotor speed	Nacelle	0.0016666667 (Min, Max, Mean, stddev of 50 Hz time series)	A	Adwen
M11_PB_WEA Status		Nacelle	50	B	Adwen
M11_PB_WEA Status_0.1Hz		Nacelle	0,1 (0,1Hz values from the 50Hz time series)	A	Adwen
M11_PB_WEA Status		Nacelle	0.0016666667 (Min, Max, Mean, stddev of 50 Hz time series)	A	Adwen
M11_PB_Windgeschwindigkeit	Wind speed	Nacelle	50	B	Adwen

Measuring point name (original)	English translation	WEA component	Clock rate [Hz]	Category	Data-owner
M11_PB_Windgeschwindigkeit_0.1Hz	Wind speed_0.1Hz	Nacelle	0,1 (0,1Hz values from the 50Hz time series)	A	Adwen
M11_PB_Windgeschwindigkeit	Wind speed	Nacelle	0.0016666667 (Min, Max, Mean, stddev of 50 Hz time series)	A	Adwen
M11_PB_Windrichtung, relativ	Wind direction relative	Nacelle	50	B	Adwen
M11_PB_Windrichtung, relativ_0.1Hz	Wind direction relative_0.1Hz	Nacelle	0,1 (0,1Hz values from the 50Hz time series)	A	Adwen
M11_PB_Windrichtung, relativ	Wind direction relative	Nacelle	0.0016666667 (Min, Max, Mean, stddev of 50 Hz time series)	A	Adwen
M11_PB_Wirkleistung Generator	Active power generator	Nacelle	50	B	Adwen
M11_PB_Wirkleistung Generator_0.1Hz	Active power generator_0.1Hz	Nacelle	0,1 (0,1Hz values from the 50Hz time series)	A	Adwen
M11_PB_Wirkleistung Generator	Active power generator	Nacelle	0.0016666667 (Min, Max, Mean, stddev of 50 Hz time series)	A	Adwen
M11_PB_Wirkleistung Netz Trafo OS-seitig	Active power Net transformer OS-side	Nacelle	50	B	Adwen

Measuring point name (original)	English translation	WEA component	Clock rate [Hz]	Category	Data-owner
M11_PB_Wirkleistung Netz Trafo OS-seitig_0.1Hz	Active power Net transformer OS-side_0.1Hz	Nacelle	0,1 (0,1Hz values from the 50Hz time series)	A	Adwen
M11_PB_Wirkleistung Netz Trafo OS-seitig	Active power Net transformer OS-side	Nacelle	0.0016666667 (Min, Max, Mean, stddev of 50 Hz time series)	A	Adwen
M12_PB_Blindleistung Generator	Reactive power generator	Nacelle	50	B	Adwen
M12_PB_Blindleistung Generator_0.1Hz	Reactive power generator_0.1Hz	Nacelle	0,1 (0,1Hz values from the 50Hz time series)	A	Adwen
M12_PB_Blindleistung Generator	Reactive power generator	Nacelle	0.0016666667 (Min, Max, Mean, stddev of 50 Hz time series)	A	Adwen
M12_PB_Blindleistung Netz Trafo OS-seitig	Active power Net Transformer OS-side	Nacelle	50	B	Adwen
M12_PB_Blindleistung Netz Trafo OS-seitig_0.1Hz	Active power Net Transformer OS-side_0.1Hz	Nacelle	0,1 (0,1Hz values from the 50Hz time series)	A	Adwen
M12_PB_Blindleistung Netz Trafo OS-seitig	Active power Net Transformer OS-side	Nacelle	0.0016666667 (Min, Max, Mean, stddev of 50 Hz time series)	A	Adwen
M12_PB_Frequenz Netz	Frequency Net	Nacelle	50	B	Adwen

Measuring point name (original)	English translation	WEA component	Clock rate [Hz]	Category	Data-owner
M12_PB_Frequenz Netz_0.1Hz	Frequency Net_0.1Hz	Nacelle	0,1 (0,1Hz values from the 50Hz time series)	A	Adwen
M12_PB_Frequenz Netz	Frequency Net	Nacelle	0.0016666667 (Min, Max, Mean, stddev of 50 Hz time series)	A	Adwen
M12_PB_Generatordrehzahl	Generator speed	Nacelle	50	B	Adwen
M12_PB_Generatordrehzahl_0.1Hz	Generator speed_0.1Hz	Nacelle	0,1 (0,1Hz values from the 50Hz time series)	A	Adwen
M12_PB_Generatordrehzahl	Generator speed	Nacelle	0.0016666667 (Min, Max, Mean, stddev of 50 Hz time series)	A	Adwen
M12_PB_Gondelposition	Nacelle position	Nacelle	50	B	Adwen
M12_PB_Gondelposition_0.1Hz	Nacelle position_0.1Hz	Nacelle	0,1 (0,1Hz values from the 50Hz time series)	A	Adwen
M12_PB_Gondelposition	Nacelle position	Nacelle	0.0016666667 (Min, Max, Mean, stddev of 50 Hz time series)	A	Adwen
M12_PB_Pitchwinkel Blatt 1	Pitch angle blade 1	Nacelle	50	B	Adwen

Measuring point name (original)	English translation	WEA component	Clock rate [Hz]	Category	Data-owner
M12_PB_Pitchwinkel Blatt 1_0.1Hz	Pitch angle blade 1_0.1Hz	Nacelle	0,1 (0,1Hz values from the 50Hz time series)	A	Adwen
M12_PB_Pitchwinkel Blatt 1	Pitch angle blade 1	Nacelle	0.0016666667 (Min, Max, Mean, stddev of 50 Hz time series)	A	Adwen
M12_PB_Pitchwinkel Blatt 2	Pitch angle blade 2	Nacelle	50	B	Adwen
M12_PB_Pitchwinkel Blatt 2_0.1Hz	Pitch angle blade 2_0.1Hz	Nacelle	0,1 (0,1Hz values from the 50Hz time series)	A	Adwen
M12_PB_Pitchwinkel Blatt 2	Pitch angle blade 2	Nacelle	0.0016666667 (Min, Max, Mean, stddev of 50 Hz time series)	A	Adwen
M12_PB_Pitchwinkel Blatt 3	Pitch angle blade 3	Nacelle	50	B	Adwen
M12_PB_Pitchwinkel Blatt 3_0.1Hz	Pitch angle blade 3_0.1Hz	Nacelle	0,1 (0,1Hz values from the 50Hz time series)	A	Adwen
M12_PB_Pitchwinkel Blatt 3	Pitch angle blade 3	Nacelle	0.0016666667 (Min, Max, Mean, stddev of 50 Hz time series)	A	Adwen
M12_PB_Reseve		Nacelle	50	B	Adwen

Measuring point name (original)	English translation	WEA component	Clock rate [Hz]	Category	Data-owner
M12_PB_Reseve_0.1Hz		Nacelle	0,1 (0,1Hz values from the 50Hz time series)	A	Adwen
M12_PB_Reseve		Nacelle	0.0016666667 (Min, Max, Mean, stddev of 50 Hz time series)	A	Adwen
M12_PB_Rotor Position		Nacelle	50	B	Adwen
M12_PB_Rotor Position_0.1Hz		Nacelle	0,1 (0,1Hz values from the 50Hz time series)	A	Adwen
M12_PB_Rotor Position		Nacelle	0.0016666667 (Min, Max, Mean, stddev of 50 Hz time series)	A	Adwen
M12_PB_Rotordrehzahl	Rotor speed	Nacelle	50	B	Adwen
M12_PB_Rotordrehzahl_0.1Hz	Rotor speed_0.1Hz	Nacelle	0,1 (0,1Hz values from the 50Hz time series)	A	Adwen
M12_PB_Rotordrehzahl	Rotor speed	Nacelle	0.0016666667 (Min, Max, Mean, stddev of 50 Hz time series)	A	Adwen
M12_PB_WEA Status		Nacelle	50	B	Adwen

Measuring point name (original)	English translation	WEA component	Clock rate [Hz]	Category	Data-owner
M12_PB_WEA Status_0.1Hz		Nacelle	0,1 (0,1Hz values from the 50Hz time series)	A	Adwen
M12_PB_WEA Status		Nacelle	0.0016666667 (Min, Max, Mean, stddev of 50 Hz time series)	A	Adwen
M12_PB_Windgeschwindigkeit	Wind speed	Nacelle	50	B	Adwen
M12_PB_Windgeschwindigkeit_0.1Hz	Wind speed_0.1Hz	Nacelle	0,1 (0,1Hz values from the 50Hz time series)	A	Adwen
M12_PB_Windgeschwindigkeit	Wind speed	Nacelle	0.0016666667 (Min, Max, Mean, stddev of 50 Hz time series)	A	Adwen
M12_PB_Windrichtung, relativ	Wind direction, relative	Nacelle	50	B	Adwen
M12_PB_Windrichtung, relativ_0.1Hz	Wind direction, relative_0.1Hz	Nacelle	0,1 (0,1Hz values from the 50Hz time series)	A	Adwen
M12_PB_Windrichtung, relativ	Wind direction, relative	Nacelle	0.0016666667 (Min, Max, Mean, stddev of 50 Hz time series)	A	Adwen
M12_PB_Wirkleistung Generator	Active power generator	Nacelle	50	B	Adwen

Measuring point name (original)	English translation	WEA component	Clock rate [Hz]	Category	Data-owner
M12_PB_Wirkleistung Generator_0.1Hz	Active power generator_0.1Hz	Nacelle	0,1 (0,1Hz values from the 50Hz time series)	A	Adwen
M12_PB_Wirkleistung Generator	Active power generator	Nacelle	0.0016666667 (Min, Max, Mean, stddev of 50 Hz time series)	A	Adwen
M12_PB_Wirkleistung Netz Trafo OS-seitig	Active power Net Transformer OS-side	Nacelle	50	B	Adwen
M12_PB_Wirkleistung Netz Trafo OS-seitig_0.1Hz	Active power Net Transformer OS-side_0.1Hz	Nacelle	0,1 (0,1Hz values from the 50Hz time series)	A	Adwen
M12_PB_Wirkleistung Netz Trafo OS-seitig	Active power Net Transformer OS-side	Nacelle	0.0016666667 (Min, Max, Mean, stddev of 50 Hz time series)	A	Adwen

1.3. Measuring point Offshore-Substation alpha ventus (UW av)

Measuring point name UW_Plattform	Measuring point name translation	Clock rate [Hz]	Data-pool	Data owner
UWav_ADCP (10m) Strömungsbetrag	Flow	0.001666667	A	BSH
UWav_ADCP (10m) Strömungsrichtung	Flow direction	0.001666667	A	BSH
UWav_ADCP (12m) Strömungsbetrag	Flow	0.001666667	A	BSH
UWav_ADCP (12m) Strömungsrichtung	Flow direction	0.001666667	A	BSH
UWav_ADCP (14m) Strömungsbetrag	Flow	0.001666667	A	BSH
UWav_ADCP (14m) Strömungsrichtung	Flow direction	0.001666667	A	BSH
UWav_ADCP (16m) Strömungsbetrag	Flow	0.001666667	A	BSH
UWav_ADCP (16m) Strömungsrichtung	Flow direction	0.001666667	A	BSH
UWav_ADCP (18m) Strömungsbetrag	Flow	0.001666667	A	BSH
UWav_ADCP (18m) Strömungsrichtung	Flow direction	0.001666667	A	BSH
UWav_ADCP (20m) Strömungsbetrag	Flow	0.001666667	A	BSH
UWav_ADCP (20m) Strömungsrichtung	Flow direction	0.001666667	A	BSH
UWav_ADCP (22m) Strömungsbetrag	Flow	0.001666667	A	BSH
UWav_ADCP (22m) Strömungsrichtung	Flow direction	0.001666667	A	BSH
UWav_ADCP (24m) Strömungsbetrag	Flow	0.001666667	A	BSH
UWav_ADCP (24m) Strömungsrichtung	Flow direction	0.001666667	A	BSH
UWav_ADCP (26m) Strömungsbetrag	Flow	0.001666667	A	BSH
UWav_ADCP (26m) Strömungsrichtung	Flow direction	0.001666667	A	BSH
UWav_ADCP (28m) Strömungsbetrag	Flow	0.001666667	A	BSH

Measuring point name UW_Plattform	Measuring point name translation	Clock rate [Hz]	Data-pool	Data owner
UWav_ADCP (28m) Strömungsrichtung	Flow direction	0.001666667	A	BSH
UWav_ADCP (2m) Strömungsbetrag	Flow	0.001666667	A	BSH
UWav_ADCP (2m) Strömungsrichtung	Flow direction	0.001666667	A	BSH
UWav_ADCP (30m) Strömungsbetrag	Flow	0.001666667	A	BSH
UWav_ADCP (30m) Strömungsrichtung	Flow direction	0.001666667	A	BSH
UWav_ADCP (4m) Strömungsbetrag	Flow	0.001666667	A	BSH
UWav_ADCP (4m) Strömungsrichtung	Flow direction	0.001666667	A	BSH
UWav_ADCP (6m) Strömungsbetrag	Flow	0.001666667	A	BSH
UWav_ADCP (6m) Strömungsrichtung	Flow direction	0.001666667	A	BSH
UWav_ADCP (8m) Strömungsbetrag	Flow	0.001666667	A	BSH
UWav_ADCP (8m) Strömungsrichtung	Flow direction	0.001666667	A	BSH
UWav_ADCP Haupt-Wellenlaufrichtung	Main flow direction	0.000555556	A	BSH
UWav_ADCP Haupt-Wellenperiode	Main flow period	0.000555556	A	BSH
UWav_ADCP max. Wellenhöhe	Max. flow height	0.000555556	A	BSH
UWav_ADCP signf. Wellenhöhe	Signf. flow height	0.000555556	A	BSH
UWav_ADCP Water pressure		0.001666667	A	BSH
UWav_ADCP Water temp. (29m)		0.001666667	A	BSH
UWav_DWR_dir_peak		0.000555556	A	BSH
UWav_DWR_H_max		0.000555556	A	BSH
UWav_DWR_H_sig		0.000555556	A	BSH
UWav_DWR_T_mean		0.000555556	A	BSH

Measuring point name UW_Plattform	Measuring point name translation	Clock rate [Hz]	Data-pool	Data owner
UWav_DWR_T_peak		0.000555556	A	BSH
UWav_DWR_temperature		0.000555556	A	BSH
UWav_RADAC_H_m0		0.000833333	A	BSH
UWav_RADAC_H_max		0.000833333	A	BSH
UWav_RADAC_T_peak		0.000833333	A	BSH
UWav_Videokamera	Video camera		A	BSH
UWav_Wärmebildkamera 1	thermographic camera 1		A	BSH
UWav_Wärmebildkamera 2	thermographic camera 2		A	BSH

1.4. Electrical Measurings
Offshore-Substation alpha ventus
Onshore-Substation Hager Marsch

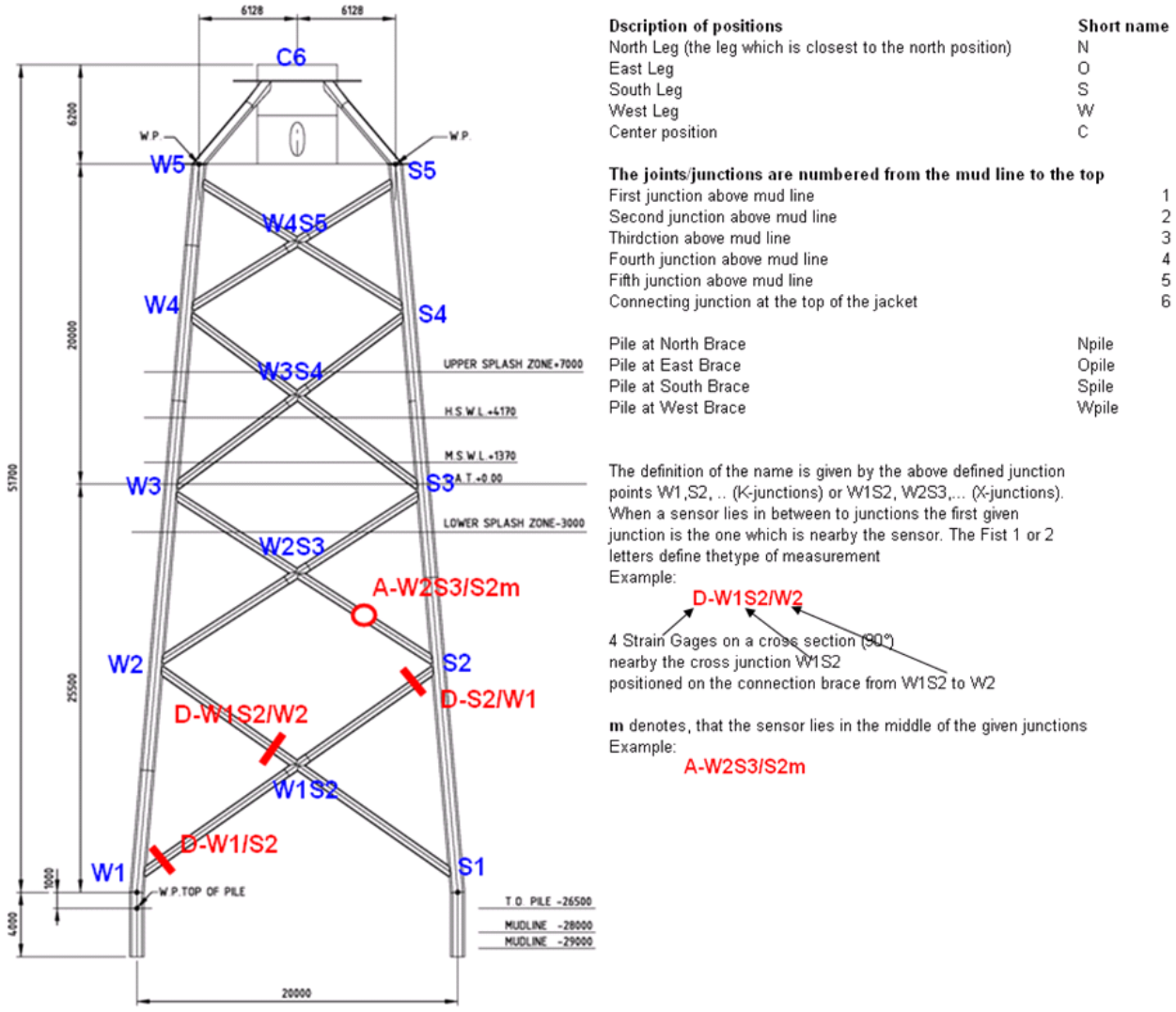
Measuring point name UW_Platform and OnshoreSubstation	Measuring point name translation	Clock rate [Hz]	Data-pool	Dara owner
UWav_BlindleistungKA_Q	Reactive power	0.016666667	A	BSH
UWav_BlindleistungOS_Q	Reactive power	0.016666667	A	BSH
UWav_BlindleistungUS_Q	Reactive power	0.2	A	BSH
UWav_LeistungswinkelKA_phi	Power angle	0.016666667	A	BSH
UWav_LeistungswinkelOS_phi	Power angle	0.016666667	A	BSH
UWav_SpannungKA_U1	Voltage	0.016666667	A	BSH
UWav_SpannungKA_U2	Voltage	0.016666667	A	BSH
UWav_SpannungKA_U3	Voltage	0.016666667	A	BSH
UWav_SpannungOS_U1	Voltage	0.016666667	A	BSH
UWav_SpannungOS_U2	Voltage	0.016666667	A	BSH
UWav_SpannungOS_U3	Voltage	0.016666667	A	BSH
UWav_SpannungUS_U1a	Voltage	0.2	A	BSH
UWav_SpannungUS_U1b	Voltage	0.2	A	BSH
UWav_SpannungUS_U2a	Voltage	0.2	A	BSH
UWav_SpannungUS_U2b	Voltage	0.2	A	BSH
UWav_SpannungUS_U3a	Voltage	0.2	A	BSH
UWav_SpannungUS_U3b	Voltage	0.2	A	BSH
UWav_StromKA_I1	Power	0.016666667	A	BSH
UWav_StromKA_I2	Power	0.016666667	A	BSH

Measuring point name UW_Platform and OnshoreSubstation	Measuring point name translation	Clock rate [Hz]	Data-pool	Dara owner
UWav_StromKA_I3	Power	0.016666667	A	BSH
UWav_StromOS_I1	Power	0.016666667	A	BSH
UWav_StromOS_I2	Power	0.016666667	A	BSH
UWav_StromOS_I3	Power	0.016666667	A	BSH
UWav_StromUS_I1a	Power	0.2	A	BSH
UWav_StromUS_I1b	Power	0.2	A	BSH
UWav_StromUS_I2a	Power	0.2	A	BSH
UWav_StromUS_I2b	Power	0.2	A	BSH
UWav_StromUS_I3a	Power	0.2	A	BSH
UWav_StromUS_I3b	Power	0.2	A	BSH
UWav_WirkleistungKA_P	Active power	0.016666667	A	BSH
UWav_WirkleistungOS_P	Active power	0.016666667	A	BSH
UWav_WirkleistungUS_P	Active power	0.2	A	BSH
UWhama_BlindleistungKA_Q	Reactive power	0.016666667	A	BSH
UWhama_BlindleistungOS_Q	Reactive power	0.016666667	A	BSH
UWhama_LeistungswinkelKA_phi	Power angle	0.016666667	A	BSH
UWhama_LeistungswinkelOS_phi	Power angle	0.016666667	A	BSH
UWhama_SpannungKA_U1	Voltage	0.016666667	A	BSH
UWhama_SpannungKA_U2	Voltage	0.016666667	A	BSH
UWhama_SpannungKA_U3	Voltage	0.016666667	A	BSH
UWhama_SpannungOS_U1	Voltage	0.016666667	A	BSH
UWhama_SpannungOS_U2	Voltage	0.016666667	A	BSH

Measuring point name UW_Platform and OnshoreSubstation	Measuring point name translation	Clock rate [Hz]	Data-pool	Dara owner
UWhama_SpannungOS_U3	Voltage	0.016666667	A	BSH
UWhama_StromKA_I1	Power	0.016666667	A	BSH
UWhama_StromKA_I2	Power	0.016666667	A	BSH
UWhama_StromKA_I3	Power	0.016666667	A	BSH
UWhama_StromOS_I1	Power	0.016666667	A	BSH
UWhama_StromOS_I2	Power	0.016666667	A	BSH
UWhama_StromOS_I3	Power	0.016666667	A	BSH
UWhama_WirkleistungKA_P	Active power	0.016666667	A	BSH
UWhama_WirkleistungOS_P	Active power	0.016666667	A	BSH

1.5. Measuring points at foundation AV 4 and REpower WEA

The positions and designation system of the measuring points and cable runs on the jacket foundation for the REpower WEA AV 4 are sketched in the following drawings.



Dscription of positions	Short name
North Leg (the leg which is closest to the north position)	N
East Leg	O
South Leg	S
West Leg	W
Center position	C

The joints/junctions are numbered from the mud line to the top

First junction above mud line	1
Second junction above mud line	2
Thirdction above mud line	3
Fourth junction above mud line	4
Fifth junction above mud line	5
Connecting junction at the top of the jacket	6

Pile at North Brace	Npile
Pile at East Brace	Opile
Pile at South Brace	Spile
Pile at West Brace	Wpile

The definition of the name is given by the above defined junction points W1,S2, .. (K-junctions) or W1S2, W2S3,... (X-junctions). When a sensor lies in between to junctions the first given junction is the one which is nearby the sensor. The Fist 1 or 2 letters define thetype of measurement
Example:

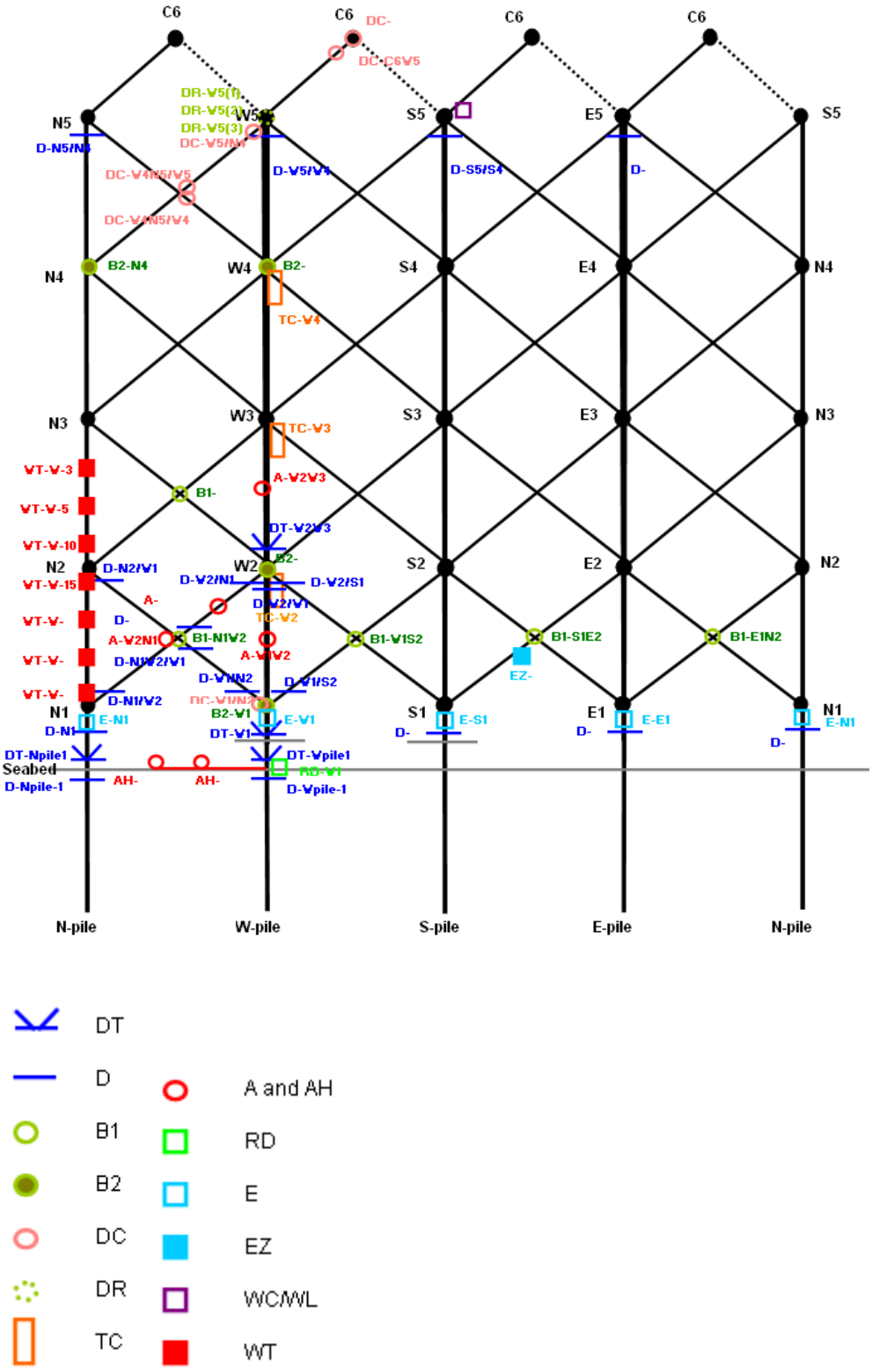
D-W1S2/W2

4 Strain Gages on a cross section (90°)
nearby the cross junction W1S2
positioned on the connection brace from W1S2 to W2

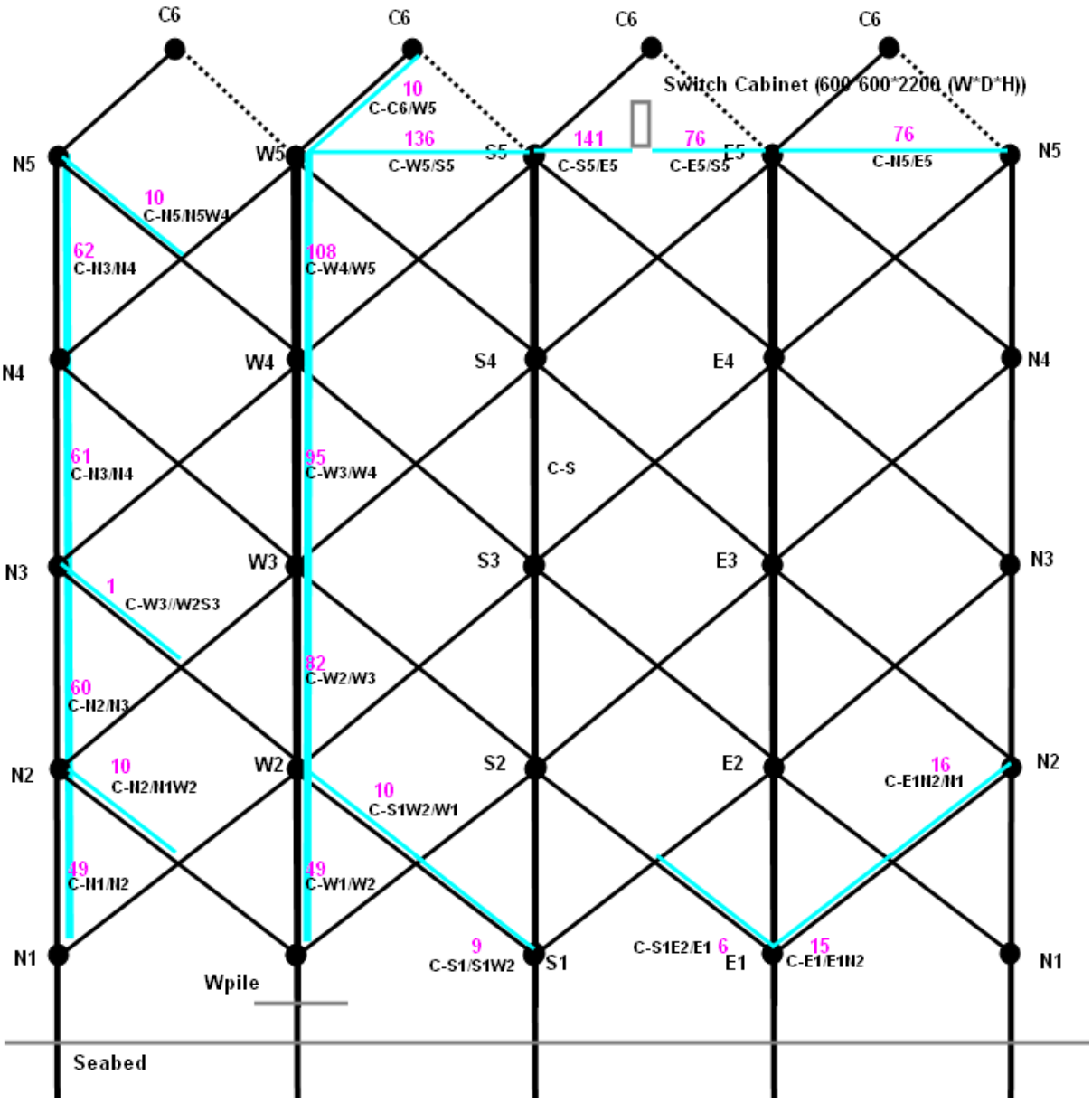
m denotes, that the sensor lies in the middle of the given junctions
Example:

A-W2S3/S2m

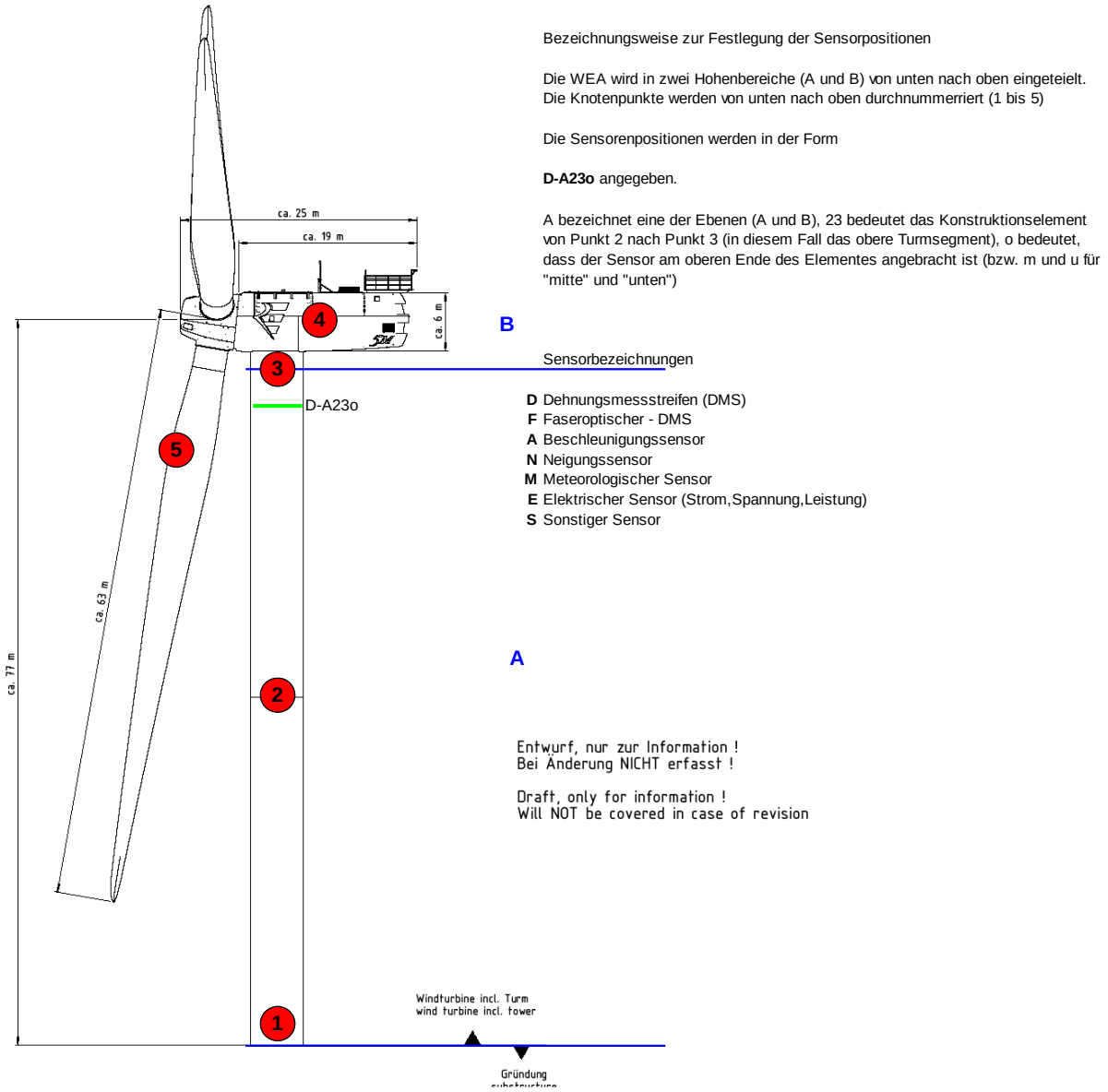
Systematic representation of RAVE sensor positions on the jacket foundation for REpower 5M



Sketch of the RAVE measuring points and approximate positions at the jacket foundation for REpower WEA



Cable routing at the jacket foundation for REpower WEA



Systematic of designations for RAVE sensors on Repower 5M (AV 4, AV 5)

1.6. Measuring points AV 4 and AV 5

Measuring point name	Measuring point name translation	WEA Components	Clock rate [Hz]	Category	Data owner
R4_A-A12mo		Tower	max. 200000	A	BSH
R4_A-A12um		Tower	max. 200000	A	BSH
R4_ADCP (10m) Strömungsbetrag	Flow		0,001666667	A	BSH
R4_ADCP (10m) Strömungsrichtung	Flow direction		0,001666667	A	BSH
R4_ADCP (12m) Strömungsbetrag	Flow		0,001666667	A	BSH
R4_ADCP (12m) Strömungsrichtung	Flow direction		0,001666667	A	BSH
R4_ADCP (14m) Strömungsbetrag	Flow		0,001666667	A	BSH
R4_ADCP (14m) Strömungsrichtung	Flow direction		0,001666667	A	BSH
R4_ADCP (16m) Strömungsbetrag	Flow		0,001666667	A	BSH
R4_ADCP (16m) Strömungsrichtung	Flow direction		0,001666667	A	BSH
R4_ADCP (18m) Strömungsbetrag	Flow		0,001666667	A	BSH
R4_ADCP (18m) Strömungsrichtung	Flow direction		0,001666667	A	BSH
R4_ADCP (20m) Strömungsbetrag	Flow		0,001666667	A	BSH
R4_ADCP (20m) Strömungsrichtung	Flow direction		0,001666667	A	BSH
R4_ADCP (22m) Strömungsbetrag	Flow		0,001666667	A	BSH
R4_ADCP (22m) Strömungsrichtung	Flow direction		0,001666667	A	BSH
R4_ADCP (24m) Strömungsbetrag	Flow		0,001666667	A	BSH

Measuring point name	Measuring point name translation	WEA Components	Clock rate [Hz]	Category	Data owner
R4_ADCP (24m) Strömungsrichtung	Flow direction		0,001666667	A	BSH
R4_ADCP (26m) Strömungsbetrag	Flow		0,001666667	A	BSH
R4_ADCP (26m) Strömungsrichtung	Flow direction		0,001666667	A	BSH
R4_ADCP (28m) Strömungsbetrag	Flow		0,001666667	A	BSH
R4_ADCP (28m) Strömungsrichtung	Flow direction		0,001666667	A	BSH
R4_ADCP (2m) Strömungsbetrag	Flow		0,001666667	A	BSH
R4_ADCP (2m) Strömungsrichtung	Flow direction		0,001666667	A	BSH
R4_ADCP (30m) Strömungsbetrag	Flow		0,001666667	A	BSH
R4_ADCP (30m) Strömungsrichtung	Flow direction		0,001666667	A	BSH
R4_ADCP (4m) Strömungsbetrag	Flow		0,001666667	A	BSH
R4_ADCP (4m) Strömungsrichtung	Flow direction		0,001666667	A	BSH
R4_ADCP (6m) Strömungsbetrag	Flow		0,001666667	A	BSH
R4_ADCP (6m) Strömungsrichtung	Flow direction		0,001666667	A	BSH
R4_ADCP (8m) Strömungsbetrag	Flow		0,001666667	A	BSH
R4_ADCP (8m) Strömungsrichtung	Flow direction		0,001666667	A	BSH
R4_ADCP Haupt-Wellenlaufrichtung	Main flow direction		0,000555556	A	BSH
R4_ADCP Haupt-Wellenperiode	Main flow period		0,000555556	A	BSH
R4_ADCP max. Wellenhöhe	Max. flow height		0,000555556	A	BSH
R4_ADCP signf, Wellenhöhe	Signf. flow height		0,000555556	A	BSH
R4_ADCP Water pressure			0,001666667	A	BSH

Measuring point name	Measuring point name translation	WEA Components	Clock rate [Hz]	Category	Data owner
R4_ADCP Water temp, (29m)			0,001666667	A	BSH
R4_AH-W1(1)		West leg	max. 200000	A	BSH
R4_AH-W1(2)		West leg	max. 200000	A	BSH
R4_A-W1/W2		West leg	max. 200000	A	BSH
R4_A-W2/W3		West leg	max. 200000	A	BSH
R4_A-W2S1		jacket	max. 200000	A	BSH
R4_A-W2S1/W2		jacket	max. 200000	A	BSH
R4_Azimutwinkel_B4_50Hz		Gondel	50	A	BSH
R4_B-A12m(x)		Tower	50	A	BSH
R4_B-A12m(y)		Tower	50	A	BSH
R4_B-A12o(x)		Tower	50	A	BSH
R4_B-A12o(x)_135		Tower	50	A	BSH
R4_B-A12o(y)		Tower	50	A	BSH
R4_B-A12o(y)_135		Tower	50	A	BSH
R4_B-A12u(x)		Tower	50	A	BSH
R4_B-A12u(x)_135		Tower	50	A	BSH
R4_B-A12u(y)		Tower	50	A	BSH
R4_B-A12u(y)_135		Tower	50	A	BSH
R4_B-A23m(x)		Tower	50	A	BSH
R4_B-A23m(y)		Tower	50	A	BSH

Measuring point name	Measuring point name translation	WEA Components	Clock rate [Hz]	Category	Data owner
R4_B-A23o(x)		Tower	50	A	BSH
R4_B-A23o(x)_135		Tower	50	A	BSH
R4_B-A23o(y)		Tower	50	A	BSH
R4_B-A23o(y)_135		Tower	50	A	BSH
R4_B-B3N2_Npile(x)		Pile	50	A	BSH
R4_B-B3N2_Npile(y)		Pile	50	A	BSH
R4_B-B3N2_Npile(z)		Pile	50	A	BSH
R4_B-B3N2_Wpile(x)		Pile	50	A	BSH
R4_B-B3N2_Wpile(y)		Pile	50	A	BSH
R4_B-B3N2_Wpile(z)		Pile	50	A	BSH
R4_B-B4(x)		Nacelle	50	A	BSH
R4_B-B4(y)		Nacelle	50	A	BSH
R4_B-B4(z)		Nacelle	50	A	BSH
R4_B-E1N2(x)		Jacket	50	A	BSH
R4_B-N1W2(x)		Jacket	50	A	BSH
R4_B-N4(x)		Jacket	50	A	BSH
R4_B-N4(y)		Jacket	50	A	BSH
R4_B-S1E2(x)		Jacket	50	A	BSH
R4_B-W1(x)		Jacket	50	A	BSH
R4_B-W1(y)		Jacket	50	A	BSH

Measuring point name	Measuring point name translation	WEA Components	Clock rate [Hz]	Category	Data owner
R4_B-W1S2(x)		Jacket	50	A	BSH
R4_B-W2(x)		Jacket	50	A	BSH
R4_B-W2(y)		Jacket	50	A	BSH
R4_B-W2N3(x)		Jacket	50	A	BSH
R4_B-W4(x)		Jacket	50	A	BSH
R4_B-W4(y)		Jacket	50	A	BSH
R4_D-A12o_1_2		Tower	50	A	BSH
R4_D-A12o_3_4		Tower	50	A	BSH
R4_D-B5b1_Edge_0		Rotor blade	50	A	BSH
R4_D-B5b1_Edge_180		Rotor blade	50	A	BSH
R4_D-B5b1_Flap_270		Rotor blade	50	A	BSH
R4_D-B5b1_Flap_90		Rotor blade	50	A	BSH
R4_D-B5b1_Temp_0		Rotor blade	50	A	BSH
R4_D-B5b1_Temp_180		Rotor blade	50	A	BSH
R4_D-B5b1_Temp_270		Rotor blade	50	A	BSH
R4_D-B5b1_Temp_90		Rotor blade	50	A	BSH
R4_D-B5b1a1		Rotor blade	50	A	BSH
R4_D-B5b1a1		Rotor blade	50	A	BSH
R4_D-B5b1a2		Rotor blade	50	A	BSH
R4_D-B5b1a2		Rotor blade	50	A	BSH

Measuring point name	Measuring point name translation	WEA Components	Clock rate [Hz]	Category	Data owner
R4_D-B5b2_Edge_0		Rotor blade	50	A	BSH
R4_D-B5b2_Edge_180		Rotor blade	50	A	BSH
R4_D-B5b2_Flap_270		Rotor blade	50	A	BSH
R4_D-B5b2_Flap_90		Rotor blade	50	A	BSH
R4_D-B5b2a1		Rotor blade	50	A	BSH
R4_D-B5b2a2		Rotor blade	50	A	BSH
R4_D-B5b3_Edge_0		Rotor blade	50	A	BSH
R4_D-B5b3_Edge_180		Rotor blade	50	A	BSH
R4_D-B5b3_Flap_270		Rotor blade	50	A	BSH
R4_D-B5b3_Flap_90		Rotor blade	50	A	BSH
R4_D-B5b3a1		Rotor blade	50	A	BSH
R4_D-B5b3a2		Rotor blade	50	A	BSH
R4_DC-C6_1		Jacket	50	A	BSH
R4_DC-C6_2		Jacket	50	A	BSH
R4_DC-C6_3		Jacket	50	A	BSH
R4_DC-C6_4		Jacket	50	A	BSH
R4_DC-C6_5		Jacket	50	A	BSH
R4_DC-C6W5_1		Jacket	50	A	BSH
R4_DC-C6W5_2		Jacket	50	A	BSH
R4_DC-C6W5_3		Jacket	50	A	BSH

Measuring point name	Measuring point name translation	WEA Components	Clock rate [Hz]	Category	Data owner
R4_DC-C6W5_4		Jacket	50	A	BSH
R4_DC-C6W5_5		Jacket	50	A	BSH
R4_DC-W1/N2_1		Jacket	50	A	BSH
R4_DC-W1/N2_2		Jacket	50	A	BSH
R4_DC-W1/N2_3		Jacket	50	A	BSH
R4_DC-W1/N2_4		Jacket	50	A	BSH
R4_DC-W1/N2_5		Jacket	50	A	BSH
R4_DC-W4N5/W4_1		Jacket	50	A	BSH
R4_DC-W4N5/W4_2		Jacket	50	A	BSH
R4_DC-W4N5/W4_3		Jacket	50	A	BSH
R4_DC-W4N5/W4_4		Jacket	50	A	BSH
R4_DC-W4N5/W4_5		Jacket	50	A	BSH
R4_DC-W4N5/W5_1		Jacket	50	A	BSH
R4_DC-W4N5/W5_2		Jacket	50	A	BSH
R4_DC-W4N5/W5_3		Jacket	50	A	BSH
R4_DC-W4N5/W5_4		Jacket	50	A	BSH
R4_DC-W4N5/W5_5		Jacket	50	A	BSH
R4_DC-W5/N4_1		Jacket	50	A	BSH
R4_DC-W5/N4_2		Jacket	50	A	BSH
R4_DC-W5/N4_3		Jacket	50	A	BSH

Measuring point name	Measuring point name translation	WEA Components	Clock rate [Hz]	Category	Data owner
R4_DC-W5/N4_4		Jacket	50	A	BSH
R4_DC-W5/N4_5		Jacket	50	A	BSH
R4_D-E1_1		Jacket	50	A	BSH
R4_D-E1_2		Jacket	50	A	BSH
R4_D-E1_3		Jacket	50	A	BSH
R4_D-E1_4		Jacket	50	A	BSH
R4_D-E5/E4_1		Jacket	50	A	BSH
R4_D-E5/E4_2		Jacket	50	A	BSH
R4_D-E5/E4_3		Jacket	50	A	BSH
R4_D-E5/E4_4		Jacket	50	A	BSH
R4_D-N1/W2_1		Jacket	50	A	BSH
R4_D-N1/W2_2		Jacket	50	A	BSH
R4_D-N1/W2_3		Jacket	50	A	BSH
R4_D-N1/W2_4		Jacket	50	A	BSH
R4_D-N1_1		Jacket	50	A	BSH
R4_D-N1_2		Jacket	50	A	BSH
R4_D-N1_3		Jacket	50	A	BSH
R4_D-N1_4		Jacket	50	A	BSH
R4_D-N1W2/W1_1		Jacket	50	A	BSH
R4_D-N1W2/W1_2		Jacket	50	A	BSH

Measuring point name	Measuring point name translation	WEA Components	Clock rate [Hz]	Category	Data owner
R4_D-N1W2/W1_3		Jacket	50	A	BSH
R4_D-N1W2/W1_4		Jacket	50	A	BSH
R4_D-N1W2/W2_1		Jacket	50	A	BSH
R4_D-N1W2/W2_2		Jacket	50	A	BSH
R4_D-N1W2/W2_3		Jacket	50	A	BSH
R4_D-N1W2/W2_4		Jacket	50	A	BSH
R4_D-N2/W1_1		Jacket	50	A	BSH
R4_D-N2/W1_2		Jacket	50	A	BSH
R4_D-N2/W1_3		Jacket	50	A	BSH
R4_D-N2/W1_4		Jacket	50	A	BSH
R4_D-N5/N4_1		Jacket	50	A	BSH
R4_D-N5/N4_2		Jacket	50	A	BSH
R4_D-N5/N4_3		Jacket	50	A	BSH
R4_D-N5/N4_4		Jacket	50	A	BSH
R4_DR_W5(1)_1		Jacket	50	A	BSH
R4_DR_W5(1)_2		Jacket	50	A	BSH
R4_DR_W5(1)_3		Jacket	50	A	BSH
R4_DR_W5(2)_1		Jacket	50	A	BSH
R4_DR_W5(2)_2		Jacket	50	A	BSH
R4_DR_W5(2)_3		Jacket	50	A	BSH

Measuring point name	Measuring point name translation	WEA Components	Clock rate [Hz]	Category	Data owner
R4_DR_W5(3)_1		Jacket	50	A	BSH
R4_DR_W5(3)_2		Jacket	50	A	BSH
R4_DR_W5(3)_3		Jacket	50	A	BSH
R4_D-S1_1		Jacket	50	A	BSH
R4_D-S1_2		Jacket	50	A	BSH
R4_D-S1_3		Jacket	50	A	BSH
R4_D-S1_4		Jacket	50	A	BSH
R4_D-S5/S4_1		Jacket	50	A	BSH
R4_D-S5/S4_2		Jacket	50	A	BSH
R4_D-S5/S4_3		Jacket	50	A	BSH
R4_D-S5/S4_4		Jacket	50	A	BSH
R4_DT-A12u_1_2		Tower	50	A	BSH
R4_DT-A12u_3_4		Tower	50	A	BSH
R4_DT-A12ut		Tower	50	A	BSH
R4_DT-A23o_1_2		Tower	50	A	BSH
R4_DT-A23o_3_4		Tower	50	A	BSH
R4_DT-A23o2_1_2		Tower	50	A	BSH
R4_DT-A23o2_3_4		Tower	50	A	BSH
R4_DT-A23ot		Tower	50	A	BSH
R4_DT-B4w_1_2		Rotor shaft	50	A	BSH

Measuring point name	Measuring point name translation	WEA Components	Clock rate [Hz]	Category	Data owner
R4_DT-B4w_3_4		Rotor shaft	50	A	BSH
R4_DT-B4wt		Rotor shaft	50	A	BSH
R4_DT-B5b		Rotor blade	50	A	BSH
R4_DT-W1_1		Jacket	50	A	BSH
R4_DT-W1_2		Jacket	50	A	BSH
R4_DT-W1_3		Jacket	50	A	BSH
R4_DT-W1_4		Jacket	50	A	BSH
R4_DT-W1_t		Jacket	50	A	BSH
R4_DT-W2/W3_1		Jacket	50	A	BSH
R4_DT-W2/W3_2		Jacket	50	A	BSH
R4_DT-W2/W3_3		Jacket	50	A	BSH
R4_DT-W2/W3_4		Jacket	50	A	BSH
R4_DT-W2/W3_t		Jacket	50	A	BSH
R4_D-W1/N2_1		Jacket	50	A	BSH
R4_D-W1/N2_2		Jacket	50	A	BSH
R4_D-W1/N2_3		Jacket	50	A	BSH
R4_D-W1/N2_4		Jacket	50	A	BSH
R4_D-W1/S2_1		Jacket	50	A	BSH
R4_D-W1/S2_2		Jacket	50	A	BSH
R4_D-W1/S2_3		Jacket	50	A	BSH

Measuring point name	Measuring point name translation	WEA Components	Clock rate [Hz]	Category	Data owner
R4_D-W1/S2_4		Jacket	50	A	BSH
R4_D-W2/N1_1		Jacket	50	A	BSH
R4_D-W2/N1_2		Jacket	50	A	BSH
R4_D-W2/N1_3		Jacket	50	A	BSH
R4_D-W2/N1_4		Jacket	50	A	BSH
R4_D-W2/S1_1		Jacket	50	A	BSH
R4_D-W2/S1_2		Jacket	50	A	BSH
R4_D-W2/S1_3		Jacket	50	A	BSH
R4_D-W2/S1_4		Jacket	50	A	BSH
R4_D-W2/W1_1		Jacket	50	A	BSH
R4_D-W2/W1_2		Jacket	50	A	BSH
R4_D-W2/W1_3		Jacket	50	A	BSH
R4_D-W2/W1_4		Jacket	50	A	BSH
R4_D-W5/W4_1		Jacket	50	A	BSH
R4_D-W5/W4_2		Jacket	50	A	BSH
R4_D-W5/W4_3		Jacket	50	A	BSH
R4_D-W5/W4_4		Jacket	50	A	BSH
R4_E-E1		East leg	0,003333333	A	BSH
R4_E-E2		East leg	0,003333333	A	BSH
R4_E-E3		East leg	0,003333333	A	BSH

Measuring point name	Measuring point name translation	WEA Components	Clock rate [Hz]	Category	Data owner
R4_E-E4		East leg	0,003333333	A	BSH
R4_E-E5		East leg	0,003333333	A	BSH
R4_elektrische_Leistung_B4_50Hz	Electrical power	Nacelle	50	A	Senvion
R4_elektrische_Leistung_B4_50Hz_0.1Hz	Electrical power	Nacelle	0,1 (0,1Hz values from the 50Hz time series)	A	Senvion
R4_elektrische_Leistung_B4_50Hz	Electrical power	Nacelle	0,001666667 (Min, Max. Mean, stddev of 50 Hz time series)	A	Senvion
R4_E-N1		North leg	0,003333333	A	BSH
R4_E-N2		North leg	0,003333333	A	BSH
R4_E-N3		North leg	0,003333333	A	BSH
R4_E-N4		North leg	0,003333333	A	BSH
R4_E-N5		North leg	0,003333333	A	BSH
R4_E-S1		South leg	0,003333333	A	BSH
R4_E-S2		South leg	0,003333333	A	BSH
R4_E-S3		South leg	0,003333333	A	BSH
R4_E-S4		South leg	0,003333333	A	BSH
R4_E-S5		South leg	0,003333333	A	BSH

Measuring point name	Measuring point name translation	WEA Components	Clock rate [Hz]	Category	Data owner
R4_E-W1		West leg	0,003333333	A	BSH
R4_E-W2		West leg	0,003333333	A	BSH
R4_E-W3		West leg	0,003333333	A	BSH
R4_E-W4		West leg	0,003333333	A	BSH
R4_E-W5		West leg	0,003333333	A	BSH
R4_EZ-C1		Center position	0,003333333	A	BSH
R4_EZ-C2		Center position	0,003333333	A	BSH
R4_EZ-C3		Center position	0,003333333	A	BSH
R4_EZ-C4		Center position	0,003333333	A	BSH
R4_F_A12o1_strain		Tower	50	A	BSH
R4_F_A12o1_temp		Tower	50	A	BSH
R4_F_A12o2_strain		Tower	50	A	BSH
R4_F_A12o2_temp		Tower	50	A	BSH
R4_F_A12o3_strain		Tower	50	A	BSH
R4_F_A12o3_temp		Tower	50	A	BSH
R4_F_A12o4_strain		Tower	50	A	BSH
R4_F_A12o4_temp		Tower	50	A	BSH

Measuring point name	Measuring point name translation	WEA Components	Clock rate [Hz]	Category	Data owner
R4_F_A12u1_strain		Tower	50	A	BSH
R4_F_A12u1_temp		Tower	50	A	BSH
R4_F_A12u2_strain		Tower	50	A	BSH
R4_F_A12u2_temp		Tower	50	A	BSH
R4_F_A12u3_strain		Tower	50	A	BSH
R4_F_A12u3_temp		Tower	50	A	BSH
R4_F_A12u4_strain		Tower	50	A	BSH
R4_F_A12u4_temp		Tower	50	A	BSH
R4_F_A23o1_strain		Tower	50	A	BSH
R4_F_A23o1_temp		Tower	50	A	BSH
R4_F_A23o2_strain		Tower	50	A	BSH
R4_F_A23o2_temp		Tower	50	A	BSH
R4_F_A23o3_strain		Tower	50	A	BSH
R4_F_A23o3_temp		Tower	50	A	BSH
R4_F_A23o4_strain		Tower	50	A	BSH
R4_F_A23o4_temp		Tower	50	A	BSH
R4_F-B5b1b1		Rotor blade	50	A	BSH
R4_F-B5b1b2		Rotor blade	50	A	BSH
R4_F-B5b1c1		Rotor blade	50	A	BSH
R4_F-B5b1c2		Rotor blade	50	A	BSH

Measuring point name	Measuring point name translation	WEA Components	Clock rate [Hz]	Category	Data owner
R4_F-B5b2b1		Rotor blade	50	A	BSH
R4_F-B5b2b2		Rotor blade	50	A	BSH
R4_F-B5b2c1		Rotor blade	50	A	BSH
R4_F-B5b2c2		Rotor blade	50	A	BSH
R4_F-B5b3b1		Rotor blade	50	A	BSH
R4_F-B5b3b2		Rotor blade	50	A	BSH
R4_F-B5b3c1		Rotor blade	50	A	BSH
R4_F-B5b3c2		Rotor blade	50	A	BSH
R4_Fibre optic blade overload signal			50	A	BSH
R4_Fibre Optic Data ok			50	A	BSH
R4_Fibre Optic Unit ok			50	A	BSH
R4_Generatordrehzahl_B4_50Hz	Generator speed	Nacelle	50	A	Senvion
R4_Generatordrehzahl_B4_50Hz_0.1Hz	Generator speed	Nacelle	0,1 (0,1Hz values from the 50Hz time series)	A	Senvion
R4_Generatordrehzahl_B4_50Hz	Generator speed	Nacelle	0,001666667 (Min, Max. Mean, stddev of 50 Hz time series)	A	Senvion
R4_H_A12o		Tower	1	A	BSH

Measuring point name	Measuring point name translation	WEA Components	Clock rate [Hz]	Category	Data owner
R4_H_A12u		Tower	1	A	BSH
R4_H_A23o		Tower	1	A	BSH
R4_H-B4_Ansaug-Entfeuchter	suction-dehumidifier		1	A	BSH
R4_H-B4_Ansaug-Gondelkühlung	suction-nacelle-cooling		1	A	BSH
R4_H-B4_außen	outside		1	A	BSH
R4_H-B4_Umgebung -Umrichter	Environment - converter		1	A	BSH
R4_Kamera (Wellenauflauf)_1Hz	Camera (flow diection) 1Hz	Service platform	1/h - 1/s	A	BSH
R4_Li_apan		Nacelle (roof)	30	A	BSH
R4_Li_atilt		Nacelle (roof)	30	A	BSH
R4_Li_CNR_1		Nacelle (roof)	30	A	BSH
R4_Li_CNR_2		Nacelle (roof)	30	A	BSH
R4_Li_CNR_3		Nacelle (roof)	30	A	BSH
R4_Li_CNR_4		Nacelle (roof)	30	A	BSH
R4_Li_CNR_5		Nacelle (roof)	30	A	BSH
R4_Li_f_1		Nacelle (roof)	30	A	BSH
R4_Li_f_2		Nacelle (roof)	30	A	BSH
R4_Li_f_3		Nacelle (roof)	30	A	BSH
R4_Li_f_4		Nacelle (roof)	30	A	BSH
R4_Li_f_5		Nacelle (roof)	30	A	BSH

Measuring point name	Measuring point name translation	WEA Components	Clock rate [Hz]	Category	Data owner
R4_Li_tACQ		Nacelle (roof)	30	A	BSH
R4_Li_temperature		Nacelle (roof)	30	A	BSH
R4_Li_tXPS		Nacelle (roof)	30	A	BSH
R4_Li_Vlos_1		Nacelle (roof)	30	A	BSH
R4_Li_Vlos_2		Nacelle (roof)	30	A	BSH
R4_Li_Vlos_3		Nacelle (roof)	30	A	BSH
R4_Li_Vlos_4		Nacelle (roof)	30	A	BSH
R4_Li_Vlos_5		Nacelle (roof)	30	A	BSH
R4_N-A12u(x)		Tower	50	A	BSH
R4_N-A12u(y)		Tower	50	A	BSH
R4_N-A23o(x)		Tower	50	A	BSH
R4_N-A23o(y)		Tower	50	A	BSH
R4_N-B3N2_Npile(x)		Pile	50	A	BSH
R4_N-B3N2_Npile(y)		Pile	50	A	BSH
R4_N-B3N2_Wpile(x)		Pile	50	A	BSH
R4_N-B3N2_Wpile(y)		Pile	50	A	BSH
R4_P_A12o		Tower	1	A	BSH
R4_P_A12u		Tower	1	A	BSH
R4_P_A23o		Tower	1	A	BSH
R4_P-B4_Ansaug-Entfeuchter	suction-dehumidifier		1	A	BSH

Measuring point name	Measuring point name translation	WEA Components	Clock rate [Hz]	Category	Data owner
R4_P-B4_Ansaug-Gondelkühlung	suction-nacelle-cooling		1	A	BSH
R4_P-B4_außen	outside		1	A	BSH
R4_P-B4_Umgebung -Umrichter	Environment - converter		1	A	BSH
R4_Pitchwinkel_Ist_B4_50Hz	Pitch angle	Nacelle	50	A	Senvion
R4_Pitchwinkel_Ist_B4_50Hz_0.1Hz	Pitch angle	Nacelle	0,1 (0,1Hz values from the 50Hz time series)	A	Senvion
R4_Pitchwinkel_Ist_B4_50Hz	Pitch angle	Nacelle	0,001666667 (Min, Max. Mean, stddev of 50 Hz time series)	A	Senvion
R4_RD-W1		West leg	50	A	BSH
R4_Rotorposition_B4	Rotor position	Rotor shaft	50	A	Senvion
R4_Rotorposition_B4_0.1Hz	Rotor position	Rotor shaft	0,1 (0,1Hz values from the 50Hz time series)	A	Senvion
R4_Rotorposition_B4	Rotor position	Rotor shaft	0,001666667 (Min, Max. Mean, stddev of 50 Hz time series)	A	Senvion

Measuring point name	Measuring point name translation	WEA Components	Clock rate [Hz]	Category	Data owner
R4_Satellitenkompass_Heading		Nacelle	50	A	BSH
R4_Satellitenkompass_SID		Nacelle	50	A	BSH
R4_T_A12o		Tower	1	A	BSH
R4_T_A12u		Tower	1	A	BSH
R4_T_A23o		Tower	1	A	BSH
R4_T-B4_Ansaug-Entfeuchter	suction-dehumidifier		1	A	BSH
R4_T-B4_Ansaug-Gondelkühlung	suction-nacelle-cooling		1	A	BSH
R4_T-B4_außen	outside		1	A	BSH
R4_T-B4_Umgebung -Umrichter	Environment - converter		1	A	BSH
R4_TC-W2_1		Jacket	50	A	BSH
R4_TC-W2_2		Jacket	50	A	BSH
R4_TC-W2_3		Jacket	50	A	BSH
R4_TC-W2_4		Jacket	50	A	BSH
R4_TC-W2_5		Jacket	50	A	BSH
R4_TC-W2_6		Jacket	50	A	BSH
R4_TC-W2_7		Jacket	50	A	BSH
R4_TC-W3_1		Jacket	50	A	BSH
R4_TC-W3_2		Jacket	50	A	BSH
R4_TC-W3_3		Jacket	50	A	BSH
R4_TC-W3_4		Jacket	50	A	BSH

Measuring point name	Measuring point name translation	WEA Components	Clock rate [Hz]	Category	Data owner
R4_TC-W3_5		Jacket	50	A	BSH
R4_TC-W3_6		Jacket	50	A	BSH
R4_TC-W3_7		Jacket	50	A	BSH
R4_TC-W4_1		Jacket	50	A	BSH
R4_TC-W4_2		Jacket	50	A	BSH
R4_TC-W4_3		Jacket	50	A	BSH
R4_TC-W4_4		Jacket	50	A	BSH
R4_TC-W4_5		Jacket	50	A	BSH
R4_TC-W4_6		Jacket	50	A	BSH
R4_TC-W4_7		Jacket	50	A	BSH
R4_USA_Gondel_u	Nacelle		1	A	BSH
R4_USA_Gondel_v	Nacelle		1	A	BSH
R4_WC/WL				A	BSH
R4_WCNV_GriA_I1		Nacelle	10000	A	BSH
R4_WCNV_GriA_I2		Nacelle	10000	A	BSH
R4_WCNV_GriA_I3		Nacelle	10000	A	BSH
R4_WCNV_GriPhV_U1		Nacelle	10000	A	BSH
R4_WCNV_GriPhV_U2		Nacelle	10000	A	BSH
R4_WCNV_GriPhV_U3		Nacelle	10000	A	BSH
R4_WGEN_Rot_I1		Nacelle	10000	A	BSH

Measuring point name	Measuring point name translation	WEA Components	Clock rate [Hz]	Category	Data owner
R4_WGEN_Rot_I2		Nacelle	10000	A	BSH
R4_WGEN_Rot_I3		Nacelle	10000	A	BSH
R4_WGEN_Rot_U1		Nacelle	10000	A	BSH
R4_WGEN_Rot_U2		Nacelle	10000	A	BSH
R4_WGEN_Rot_U3		Nacelle	10000	A	BSH
R4_WGEN_Sta_I1		Nacelle	10000	A	BSH
R4_WGEN_Sta_I2		Nacelle	10000	A	BSH
R4_WGEN_Sta_I3		Nacelle	10000	A	BSH
R4_WGEN_Sta_U1		Nacelle	10000	A	BSH
R4_WGEN_Sta_U2		Nacelle	10000	A	BSH
R4_WGEN_Sta_U3		Nacelle	10000	A	BSH
R4_Windgeschwindigkeit_B4_1Hz	Wind speed		1	A	BSH
R4_WTRF_I1		Nacelle	10000	A	BSH
R4_WTRF_I2		Nacelle	10000	A	BSH
R4_WTRF_I3		Nacelle	10000	A	BSH
R4_WTRF_U1		Nacelle	10000	A	BSH
R4_WTRF_U2		Nacelle	10000	A	BSH
R4_WTRF_U3		Nacelle	10000	A	BSH
R4_WT-W(-10)		West leg	0,001666667	A	BSH
R4_WT-W(-15)		West leg	0,001666667	A	BSH

Measuring point name	Measuring point name translation	WEA Components	Clock rate [Hz]	Category	Data owner
R4_WT-W(-20)		West leg	0,001666667	A	BSH
R4_WT-W(-25)		West leg	0,001666667	A	BSH
R4_WT-W(-28)		West leg	0,001666667	A	BSH
R4_WT-W(-3)		West leg	0,001666667	A	BSH
R4_WT-W(-5)		West leg	0,001666667	A	BSH
R4-IR_CAM1				A	BSH
R4-IR_CAM2				A	BSH
R5_Azimutwinkel_B4_50Hz	Azimuth angle	Nacelle	50	A	Senvion
R5_Azimutwinkel_B4_50Hz_0.1Hz	Azimuth angle	Nacelle	0,1 (0,1Hz values from the 50Hz time series)	A	Senvion
R5_Azimutwinkel_B4_50Hz	Azimuth angle	Nacelle	0,001666667 (Min, Max. Mean, stddev of 50 Hz time series)	A	Senvion
R5_B-A12u(x)		Tower	50	A	BSH
R5_B-A12u(y)		Tower	50	A	BSH
R5_D-A12u_1_2		Tower	50	A	BSH
R5_D-A12u_3_4		Tower	50	A	BSH
R5_D-B5b1a1		Rotor blade	50	A	BSH

Measuring point name	Measuring point name translation	WEA Components	Clock rate [Hz]	Category	Data owner
R5_D-B5b1a2		Rotor blade	50	A	BSH
R5_D-B5b2a1		Rotor blade	50	A	BSH
R5_D-B5b2a2		Rotor blade	50	A	BSH
R5_D-B5b3a1		Rotor blade	50	A	BSH
R5_D-B5b3a2		Rotor blade	50	A	BSH
R5_DT-A23o_1_2		Tower	50	A	BSH
R5_DT-A23o_3_4		Tower	50	A	BSH
R5_DT-A23o2_1_2		Tower	50	A	BSH
R5_DT-A23o2_3_4		Tower	50	A	BSH
R5_DT-A23ot		Tower	50	A	BSH
R5_DT-B5b		Rotor blade	50	A	BSH
R5_elektrische_Leistung_B4_50Hz	Electrical power	Nacelle	50	A	Senvion
R5_elektrische_Leistung_B4_50Hz_0.1Hz	Electrical power	Nacelle	0,1 (0,1Hz values from the 50Hz time series)	A	Senvion
R5_elektrische_Leistung_B4_50Hz	Electrical power	Nacelle	0,001666667 (Min, Max. Mean, stddev of 50 Hz time series)	A	Senvion
R5_F-B5b1b1		Rotor blade	50	A	BSH

Measuring point name	Measuring point name translation	WEA Components	Clock rate [Hz]	Category	Data owner
R5_F-B5b1b2		Rotor blade	50	A	BSH
R5_F-B5b1c1		Rotor blade	50	A	BSH
R5_F-B5b1c2		Rotor blade	50	A	BSH
R5_F-B5b2b1		Rotor blade	50	A	BSH
R5_F-B5b2b2		Rotor blade	50	A	BSH
R5_F-B5b2c1		Rotor blade	50	A	BSH
R5_F-B5b2c2		Rotor blade	50	A	BSH
R5_F-B5b3b1		Rotor blade	50	A	BSH
R5_F-B5b3b2		Rotor blade	50	A	BSH
R5_F-B5b3c1		Rotor blade	50	A	BSH
R5_F-B5b3c2		Rotor blade	50	A	BSH
R5_F-FO_blade_overload			50	A	BSH
R5_F-FO_data_ok			50	A	BSH
R5_F-FO_unit_ok			50	A	BSH
R5_Generatordrehzahl_B4_50Hz	Generator speed	Nacelle	50	A	Senvion
R5_Generatordrehzahl_B4_50Hz_0.1Hz	Generator speed	Nacelle	0,1 (0,1Hz values from the 50Hz time series)	A	Senvion
R5_Generatordrehzahl_B4_50Hz	Generator speed	Nacelle	0,001666667 (Min, Max. Mean, stddev	A	Senvion

Measuring point name	Measuring point name translation	WEA Components	Clock rate [Hz]	Category	Data owner
			of 50 Hz time series)		
R5_Pitchwinkel_Ist_B4_50Hz	Pitch angle	Nacelle	50	A	Senvion
R5_Pitchwinkel_Ist_B4_50Hz_0.1Hz	Pitch angle	Nacelle	0,1 (0,1Hz values from the 50Hz time series)	A	Senvion
R5_Pitchwinkel_Ist_B4_50Hz	Pitch angle	Nacelle	0,001666667 (Min, Max. Mean, stddev of 50 Hz time series)	A	Senvion
R5_RotorPosition_B4		Nacelle	50	A	Senvion
R5_RotorPosition_B4_0.1Hz		Nacelle	0,1 (0,1Hz values from the 50Hz time series)	A	Senvion
R5_RotorPosition_B4		Nacelle	0,001666667 (Min, Max. Mean, stddev of 50 Hz time series)	A	Senvion
R5_USA_Gondel_u	Nacelle		1	A	BSH
R5_USA_Gondel_v	Nacelle		1	A	BSH
R5_Windgeschwindigkeit_B4_1Hz	Wind speed	Nacelle	1	A	BSH

1.7. Measuring points Wind farm data base

Measuring point name	WEA Component	Clock rate [Hz]	Category	Data owner
M7_WCNV/Torq	Nacelle	0.016666667	A	Adwen
M7_WGEN/Spd	Nacelle	0.016666667	A	Adwen
M7_WNAC/Dir	Nacelle	0.016666667	A	Adwen
M7_WNAC/WdDir	Nacelle	0.016666667	A	Adwen
M7_WNAC/WdSpd	Nacelle	0.016666667	A	Adwen
M7_WROT/PtAngSpBl1	Nacelle	0.016666667	A	Adwen
M7_WROT/PtAngSpBl2	Nacelle	0.016666667	A	Adwen
M7_WROT/PtAngSpBl3	Nacelle	0.016666667	A	Adwen
M7_WROT/PtAngValBl1	Nacelle	0.016666667	A	Adwen
M7_WROT/PtAngValBl2	Nacelle	0.016666667	A	Adwen
M7_WROT/PtAngValBl3	Nacelle	0.016666667	A	Adwen
M7_WROT/RotPos	Nacelle	0.016666667	A	Adwen
M7_WROT/RotSpd	Nacelle	0.016666667	A	Adwen
M7_WTRF/TRFGriA1	Nacelle	0.016666667	A	Adwen
M7_WTRF/TRFGriA2	Nacelle	0.016666667	A	Adwen
M7_WTRF/TRFGriA3	Nacelle	0.016666667	A	Adwen
M7_WTRF/TRFGriPhV1	Nacelle	0.016666667	A	Adwen
M7_WTRF/TRFGriPhV2	Nacelle	0.016666667	A	Adwen
M7_WTRF/TRFGriPhV3	Nacelle	0.016666667	A	Adwen

Measuring point name	WEA Component	Clock rate [Hz]	Category	Data owner
M7_WTUR/TotVArh	Nacelle	0.016666667	A	Adwen
M7_WTUR/TotWh	Nacelle	0.016666667	A	Adwen
M8_WCNV/Torq	Nacelle	0.016666667	A	Adwen
M8_WGEN/Spd	Nacelle	0.016666667	A	Adwen
M8_WNAC/Dir	Nacelle	0.016666667	A	Adwen
M8_WNAC/WdDir	Nacelle	0.016666667	A	Adwen
M8_WNAC/WdSpd	Nacelle	0.016666667	A	Adwen
M8_WROT/PtAngSpBl1	Nacelle	0.016666667	A	Adwen
M8_WROT/PtAngSpBl2	Nacelle	0.016666667	A	Adwen
M8_WROT/PtAngSpBl3	Nacelle	0.016666667	A	Adwen
M8_WROT/PtAngValBl1	Nacelle	0.016666667	A	Adwen
M8_WROT/PtAngValBl2	Nacelle	0.016666667	A	Adwen
M8_WROT/PtAngValBl3	Nacelle	0.016666667	A	Adwen
M8_WROT/RotPos	Nacelle	0.016666667	A	Adwen
M8_WROT/RotSpd	Nacelle	0.016666667	A	Adwen
M8_WTRF/TRFGriA1	Nacelle	0.016666667	A	Adwen
M8_WTRF/TRFGriA2	Nacelle	0.016666667	A	Adwen
M8_WTRF/TRFGriA3	Nacelle	0.016666667	A	Adwen
M8_WTRF/TRFGriPhV1	Nacelle	0.016666667	A	Adwen
M8_WTRF/TRFGriPhV2	Nacelle	0.016666667	A	Adwen
M8_WTRF/TRFGriPhV3	Nacelle	0.016666667	A	Adwen

Measuring point name	WEA Component	Clock rate [Hz]	Category	Data owner
M8_WTUR/TotVArh	Nacelle	0.016666667	A	Adwen
M8_WTUR/TotWh	Nacelle	0.016666667	A	Adwen
M9_WCNV/Torq	Nacelle	0.016666667	A	Adwen
M9_WGEN/Spd	Nacelle	0.016666667	A	Adwen
M9_WNAC/Dir	Nacelle	0.016666667	A	Adwen
M9_WNAC/WdDir	Nacelle	0.016666667	A	Adwen
M9_WNAC/WdSpd	Nacelle	0.016666667	A	Adwen
M9_WROT/PtAngSpBl1	Nacelle	0.016666667	A	Adwen
M9_WROT/PtAngSpBl2	Nacelle	0.016666667	A	Adwen
M9_WROT/PtAngSpBl3	Nacelle	0.016666667	A	Adwen
M9_WROT/PtAngValBl1	Nacelle	0.016666667	A	Adwen
M9_WROT/PtAngValBl2	Nacelle	0.016666667	A	Adwen
M9_WROT/PtAngValBl3	Nacelle	0.016666667	A	Adwen
M9_WROT/RotPos	Nacelle	0.016666667	A	Adwen
M9_WROT/RotSpd	Nacelle	0.016666667	A	Adwen
M9_WTRF/TRFGriA1	Nacelle	0.016666667	A	Adwen
M9_WTRF/TRFGriA2	Nacelle	0.016666667	A	Adwen
M9_WTRF/TRFGriA3	Nacelle	0.016666667	A	Adwen
M9_WTRF/TRFGriPhV1	Nacelle	0.016666667	A	Adwen
M9_WTRF/TRFGriPhV2	Nacelle	0.016666667	A	Adwen
M9_WTRF/TRFGriPhV3	Nacelle	0.016666667	A	Adwen

Measuring point name	WEA Component	Clock rate [Hz]	Category	Data owner
M9_WTUR/TotVArh	Nacelle	0.016666667	A	Adwen
M9_WTUR/TotWh	Nacelle	0.016666667	A	Adwen
M10_WCNV/Torq	Nacelle	0.016666667	A	Adwen
M10_WGEN/Spd	Nacelle	0.016666667	A	Adwen
M10_WNAC/Dir	Nacelle	0.016666667	A	Adwen
M10_WNAC/WdDir	Nacelle	0.016666667	A	Adwen
M10_WNAC/WdSpd	Nacelle	0.016666667	A	Adwen
M10_WROT/PtAngSpBl1	Nacelle	0.016666667	A	Adwen
M10_WROT/PtAngSpBl2	Nacelle	0.016666667	A	Adwen
M10_WROT/PtAngSpBl3	Nacelle	0.016666667	A	Adwen
M10_WROT/PtAngValBl1	Nacelle	0.016666667	A	Adwen
M10_WROT/PtAngValBl2	Nacelle	0.016666667	A	Adwen
M10_WROT/PtAngValBl3	Nacelle	0.016666667	A	Adwen
M10_WROT/RotPos	Nacelle	0.016666667	A	Adwen
M10_WROT/RotSpd	Nacelle	0.016666667	A	Adwen
M10_WTRF/TRFGriA1	Nacelle	0.016666667	A	Adwen
M10_WTRF/TRFGriA2	Nacelle	0.016666667	A	Adwen
M10_WTRF/TRFGriA3	Nacelle	0.016666667	A	Adwen
M10_WTRF/TRFGriPhV1	Nacelle	0.016666667	A	Adwen
M10_WTRF/TRFGriPhV2	Nacelle	0.016666667	A	Adwen
M10_WTRF/TRFGriPhV3	Nacelle	0.016666667	A	Adwen

Measuring point name	WEA Component	Clock rate [Hz]	Category	Data owner
M10_WTUR/TotVArh	Nacelle	0.016666667	A	Adwen
M10_WTUR/TotWh	Nacelle	0.016666667	A	Adwen
M11_WCNV/Torq	Nacelle	0.016666667	A	Adwen
M11_WGEN/Spd	Nacelle	0.016666667	A	Adwen
M11_WNAC/Dir	Nacelle	0.016666667	A	Adwen
M11_WNAC/WdDir	Nacelle	0.016666667	A	Adwen
M11_WNAC/WdSpd	Nacelle	0.016666667	A	Adwen
M11_WROT/PtAngSpBl1	Nacelle	0.016666667	A	Adwen
M11_WROT/PtAngSpBl2	Nacelle	0.016666667	A	Adwen
M11_WROT/PtAngSpBl3	Nacelle	0.016666667	A	Adwen
M11_WROT/PtAngValBl1	Nacelle	0.016666667	A	Adwen
M11_WROT/PtAngValBl2	Nacelle	0.016666667	A	Adwen
M11_WROT/PtAngValBl3	Nacelle	0.016666667	A	Adwen
M11_WROT/RotPos	Nacelle	0.016666667	A	Adwen
M11_WROT/RotSpd	Nacelle	0.016666667	A	Adwen
M11_WTRF/TRFGriA1	Nacelle	0.016666667	A	Adwen
M11_WTRF/TRFGriA2	Nacelle	0.016666667	A	Adwen
M11_WTRF/TRFGriA3	Nacelle	0.016666667	A	Adwen
M11_WTRF/TRFGriPhV1	Nacelle	0.016666667	A	Adwen
M11_WTRF/TRFGriPhV2	Nacelle	0.016666667	A	Adwen
M11_WTRF/TRFGriPhV3	Nacelle	0.016666667	A	Adwen

Measuring point name	WEA Component	Clock rate [Hz]	Category	Data owner
M11_WTUR/TotVArh	Nacelle	0.016666667	A	Adwen
M11_WTUR/TotWh	Nacelle	0.016666667	A	Adwen
M12_WCNV/Torq	Nacelle	0.016666667	A	Adwen
M12_WGEN/Spd	Nacelle	0.016666667	A	Adwen
M12_WNAC/Dir	Nacelle	0.016666667	A	Adwen
M12_WNAC/WdDir	Nacelle	0.016666667	A	Adwen
M12_WNAC/WdSpd	Nacelle	0.016666667	A	Adwen
M12_WROT/PtAngSpBl1	Nacelle	0.016666667	A	Adwen
M12_WROT/PtAngSpBl2	Nacelle	0.016666667	A	Adwen
M12_WROT/PtAngSpBl3	Nacelle	0.016666667	A	Adwen
M12_WROT/PtAngValBl1	Nacelle	0.016666667	A	Adwen
M12_WROT/PtAngValBl2	Nacelle	0.016666667	A	Adwen
M12_WROT/PtAngValBl3	Nacelle	0.016666667	A	Adwen
M12_WROT/RotPos	Nacelle	0.016666667	A	Adwen
M12_WROT/RotSpd	Nacelle	0.016666667	A	Adwen
M12_WTRF/TRFGriA1	Nacelle	0.016666667	A	Adwen
M12_WTRF/TRFGriA2	Nacelle	0.016666667	A	Adwen
M12_WTRF/TRFGriA3	Nacelle	0.016666667	A	Adwen
M12_WTRF/TRFGriPhV1	Nacelle	0.016666667	A	Adwen
M12_WTRF/TRFGriPhV2	Nacelle	0.016666667	A	Adwen
M12_WTRF/TRFGriPhV3	Nacelle	0.016666667	A	Adwen

Measuring point name	WEA Component	Clock rate [Hz]	Category	Data owner
M12_WTUR/TotVArh	Nacelle	0.016666667	A	Adwen
M12_WTUR/TotWh	Nacelle	0.016666667	A	Adwen
R1_WGEN/Spd	Nacelle	0.016666667	A	Senvion
R1_WNAC/WdDir	Nacelle	0.016666667	A	Senvion
R1_WNAC/WdSpd	Nacelle	0.016666667	A	Senvion
R1_WROT/PtAngValBl1	Nacelle	0.016666667	A	Senvion
R1_WROT/PtAngValBl2	Nacelle	0.016666667	A	Senvion
R1_WROT/PtAngValBl3	Nacelle	0.016666667	A	Senvion
R1_WTRF/TrfGriPf	Nacelle	0.016666667	A	Senvion
R1_WTRF/TrfGriVAr	Nacelle	0.016666667	A	Senvion
R1_WTRF/TrfGriW	Nacelle	0.016666667	A	Senvion
R1_WTUR/TurAvl	Nacelle	0.016666667	A	Senvion
R1_WTUR/TurSt	Nacelle	0.016666667	A	Senvion
R1_Wyaw	Nacelle	0.016666667	A	Senvion
R2_WGEN/Spd	Nacelle	0.016666667	A	Senvion
R2_WNAC/WdDir	Nacelle	0.016666667	A	Senvion
R2_WNAC/WdSpd	Nacelle	0.016666667	A	Senvion
R2_WROT/PtAngValBl1	Nacelle	0.016666667	A	Senvion
R2_WROT/PtAngValBl2	Nacelle	0.016666667	A	Senvion
R2_WROT/PtAngValBl3	Nacelle	0.016666667	A	Senvion
R2_WTRF/TrfGriPf	Nacelle	0.016666667	A	Senvion

Measuring point name	WEA Component	Clock rate [Hz]	Category	Data owner
R2_WTRF/TrfGriVAr	Nacelle	0.016666667	A	Senvion
R2_WTRF/TrfGriW	Nacelle	0.016666667	A	Senvion
R2_WTUR/TurAvl	Nacelle	0.016666667	A	Senvion
R2_WTUR/TurSt	Nacelle	0.016666667	A	Senvion
R2_WYaw	Nacelle	0.016666667	A	Senvion
R3_WGEN/Spd	Nacelle	0.016666667	A	Senvion
R3_WNAC/WdDir	Nacelle	0.016666667	A	Senvion
R3_WNAC/WdSpd	Nacelle	0.016666667	A	Senvion
R3_WROT/PtAngValBl1	Nacelle	0.016666667	A	Senvion
R3_WROT/PtAngValBl2	Nacelle	0.016666667	A	Senvion
R3_WROT/PtAngValBl3	Nacelle	0.016666667	A	Senvion
R3_WTRF/TrfGriPf	Nacelle	0.016666667	A	Senvion
R3_WTRF/TrfGriVAr	Nacelle	0.016666667	A	Senvion
R3_WTRF/TrfGriW	Nacelle	0.016666667	A	Senvion
R3_WTUR/TurAvl	Nacelle	0.016666667	A	Senvion
R3_WTUR/TurSt	Nacelle	0.016666667	A	Senvion
R3_WYaw	Nacelle	0.016666667	A	Senvion
R4_WGEN/Spd	Nacelle	0.016666667	A	Senvion
R4_WNAC/WdDir	Nacelle	0.016666667	A	Senvion
R4_WNAC/WdSpd	Nacelle	0.016666667	A	Senvion
R4_WROT/PtAngValBl1	Nacelle	0.016666667	A	Senvion

Measuring point name	WEA Component	Clock rate [Hz]	Category	Data owner
R4_WROT/PtAngValBl2	Nacelle	0.016666667	A	Senvion
R4_WROT/PtAngValBl3	Nacelle	0.016666667	A	Senvion
R4_WTRF/TrfGriPf	Nacelle	0.016666667	A	Senvion
R4_WTRF/TrfGriVAr	Nacelle	0.016666667	A	Senvion
R4_WTRF/TrfGriW	Nacelle	0.016666667	A	Senvion
R4_WTUR/TurAvl	Nacelle	0.016666667	A	Senvion
R4_WTUR/TurSt	Nacelle	0.016666667	A	Senvion
R4_WYaw	Nacelle	0.016666667	A	Senvion
R5_WGEN/Spd	Nacelle	0.016666667	A	Senvion
R5_WNAC/WdDir	Nacelle	0.016666667	A	Senvion
R5_WNAC/WdSpd	Nacelle	0.016666667	A	Senvion
R5_WROT/PtAngValBl1	Nacelle	0.016666667	A	Senvion
R5_WROT/PtAngValBl2	Nacelle	0.016666667	A	Senvion
R5_WROT/PtAngValBl3	Nacelle	0.016666667	A	Senvion
R5_WTRF/TrfGriPf	Nacelle	0.016666667	A	Senvion
R5_WTRF/TrfGriVAr	Nacelle	0.016666667	A	Senvion
R5_WTRF/TrfGriW	Nacelle	0.016666667	A	Senvion
R5_WTUR/TurAvl	Nacelle	0.016666667	A	Senvion
R5_WTUR/TurSt	Nacelle	0.016666667	A	Senvion
R5_WYaw	Nacelle	0.016666667	A	Senvion
R6_WGEN/Spd	Nacelle	0.016666667	A	Senvion

Measuring point name	WEA Component	Clock rate [Hz]	Category	Data owner
R6_WNAC/WdDir	Nacelle	0.016666667	A	Senvion
R6_WNAC/WdSpd	Nacelle	0.016666667	A	Senvion
R6_WROT/PtAngValBl1	Nacelle	0.016666667	A	Senvion
R6_WROT/PtAngValBl2	Nacelle	0.016666667	A	Senvion
R6_WROT/PtAngValBl3	Nacelle	0.016666667	A	Senvion
R6_WTRF/TrfGriPf	Nacelle	0.016666667	A	Senvion
R6_WTRF/TrfGriVAr	Nacelle	0.016666667	A	Senvion
R6_WTRF/TrfGriW	Nacelle	0.016666667	A	Senvion
R6_WTUR/TurAvl	Nacelle	0.016666667	A	Senvion
R6_WTUR/TurSt	Nacelle	0.016666667	A	Senvion
R6_WYaw	Nacelle	0.016666667	A	Senvion