	Abbreviations in IEC 61850 and related documents		
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1	**Abbreviation**	**Description**	**Document**
3	A	Current	7-420 Ed2 (Draft)
4	A	Current	7-4 Ed2.1 (Draft)
5	A	Application	8-1 Ed2
6	A/D	Analogue – Digital Converter	
7	AA	APPLICATION-ASSOCIATION	IEC 61850-7-2
8	Abr	Abrasion	7-420 Ed2 (Draft)
9	Abr	Abrasion	7-4 Ed2.1 (Draft)
10	Abs	Absolute	7-420 Ed2 (Draft)
11	Abs	Absolute	7-4 Ed2.1 (Draft)
12	Absb	Absorbing	7-420 Ed2 (Draft)
13	Absb	Absorbing	7-4 Ed2.1 (Draft)
14	AC	AC, alternating current	7-420 Ed2 (Draft)
15	AC	AC, alternating current	7-4 Ed2.1 (Draft)
16	AC_CLC_O	The attribute shall be optional, when the calculation type (according to data ClcMth) for this LN is Peak fundamental or RMS fundamental. The attribute shall not be available, if ClcMth is TRUE RMS.	IEC 61850-7-3 Ed2
17	AC_CO_O	If the controllable status class supports control, this attribute is available and an optional attribute.	IEC 61850-7-3 Ed2
18	AC_CO_SBO	If the controllable status class supports control and if the control model supports the values "sbo-with-normal-security" or "sbo-with-enhanced-security" or both, that attribute shall be mandatory.	IEC 61850-7-3 Ed2
19	AC_DLD_M	The attribute shall be present, if LN name space of this LN deviates from the LN name space referenced by ldNs of the logical device in which this LN is contained (applies to lnNs in CDC LPL only).	IEC 61850-7-3 Ed2

20	AC_DLN_M	The attribute shall be present, if the data name space of this data deviates from the data name space referenced by either lnNs of the logical nodein which the data is contained or, if there is no lnNs, ldNs of the logical device in which the data is contained (applies to dataNs in all CDCs only).	IEC 61850-7-3 Ed2
21	AC_DLNDA_M	The attribute shall be present, if CDC name space of this data deviates from the CDC name space referenced by either the dataNs of the data, the lnNs of the logical node in which the data is defined or ldNs of the logical device in which the data is contained (applies to cdcNs and cdcName in all CDCs only).	IEC 61850-7-3 Ed2
22	AC_LN0_EX	The attribute shall be present only if the DataObject NamPlt belongs to LLN0 (applies to ldNs in CDC LPL only).	IEC 61850-7-3 Ed2
23	AC_LN0_M	The attribute shall be present if the DataObject NamPlt belongs to LLN0; otherwise it may be optional.	IEC 61850-7-3 Ed2
24	AC_NSG_C1	One of the attributes is mandatory, if this data shall be a setting outside a setting group.	IEC 61850-7-3 Ed2
25	AC_NSG_M	The attribute is mandatory, if this data shall be a setting outside a setting group.	IEC 61850-7-3 Ed2
26	AC_NSG_O	The attribute is optional, if this data shall be a setting outside a setting group.	IEC 61850-7-3 Ed2
27	AC_RMS_M	The attribute is mandatory when the harmonics reference type is rms.	IEC 61850-7-3 Ed2
28	AC_SCAV	The presence of the configuration data attribute depends on the presence of i and f of the Analog Value of the data attribute to which this configuration attribute relates. For a given data object, that attribute shall be present, if both i and f are present, shall be optional if only i is present, and is not required if only f is present. NOTE If only i is present in a device without floating point capabilities, the configuration parameter may be exchanged offline.	IEC 61850-7-3 Ed2
29	AC_SG_C1	One of the attributes is mandatory, if this data shall be member of a setting group.	IEC 61850-7-3 Ed2
30	AC_SG_M	The attribute is mandatory, if this data shall be member of a setting group.	IEC 61850-7-3 Ed2
31	AC_SG_O	The attribute is optional, if this data shall be member of a setting group.	IEC 61850-7-3 Ed2

32	AC_ST	The attribute is mandatory, if the controllable status class supports status information.	IEC 61850-7-3 Ed2
33	Acc	Accuracy	7-420 Ed2 (Draft)
34	Acc	Accuracy	7-4 Ed2.1 (Draft)
35	Accm	Accumulated	7-420 Ed2 (Draft)
36	Accm	Accumulated	7-4 Ed2.1 (Draft)
37	ACD	Directional protection activation information	IEC 61850-7-3 Ed2
38	Ack	Acknowledgement, acknowledge	7-420 Ed2 (Draft)
39	Ack	Acknowledgement, acknowledge	7-4 Ed2.1 (Draft)
40	Acs	Access	7-420 Ed2 (Draft)
41	Acs	Access	7-4 Ed2.1 (Draft)
42	ACSE	Association Control Service Element	8-1 Ed2
43	ACSE	Association Control Service Element	IEC 61850-8-1
44	ACSI	Abstract Communication Service Interface (abstrakte Kommunikationsdienste)	IEC 61850-7-2
45	ACSI	Abstract communication service interface	IEC 61850-7-1 Ed2
46	ACSI	abstract communication service interface	IEC 61850-7-2 Ed2
47	ACSI	Abstract Communication Service Interface	8-1 Ed2
48	ACT	Protection activation information	IEC 61850-7-3 Ed2
49	Act	Action, activity, active, activate	7-420 Ed2 (Draft)
50	act	actual	7-3 Ed2.1 (Draft)
51	Act	Action, activity, active, activate	7-4 Ed2.1 (Draft)
52	ACTM		
53	ACTM.Flt	Flt=Fault	7-410 Ed2 (Draft)
54	ACTM.ModAct	Mod=Mode, Act=Action, activity, active, activate	7-410 Ed2 (Draft)
55	Actr	Actuator	7-420 Ed2 (Draft)
56	Actr	Actuator	7-4 Ed2.1 (Draft)
57	Acu	Acoustic	7-420 Ed2 (Draft)
58	Acu	Acoustic	7-4 Ed2.1 (Draft)
59	ADA	Advanced Distribution Automation (fortschrittliche Verteilautomatisierung)	
60	add	additional	7-3 Ed2.1 (Draft)
61	addr	address	7-3 Ed2.1 (Draft)
62	Adj	Adjustment	7-420 Ed2 (Draft)
63	Adj	Adjustment	7-4 Ed2.1 (Draft)

64	Adp	Adapter, adaptation	7-420 Ed2 (Draft)
65	Adp	Adapter, adaptation	7-4 Ed2.1 (Draft)
66	Aff	Affected	7-4 Ed2.1 (Draft)
67	Age	Ageing	7-420 Ed2 (Draft)
68	Age	Ageing	7-4 Ed2.1 (Draft)
69	Ahr	Ampere hours	7-420 Ed2 (Draft)
70	Ahr	Ampere hours	7-4 Ed2.1 (Draft)
71	Air	Air	7-420 Ed2 (Draft)
72	Air	Air	7-4 Ed2.1 (Draft)
73	AIS	Air Isolated Switchgear (open-field surface substation, as opposed to GIS)	90-4 Ed1 (Draft)
74	AJCL		
75	AJCL.Blk	Blk=Block, blocked	7-410 Ed2 (Draft)
76	AJCL.JCTag	J=?, C=Carbon, Tag=Tag	7-410 Ed2 (Draft)
77	AJCL.LSpt	L=Lower (action), Spt=Setpoint	7-410 Ed2 (Draft)
78	AJCL.PwrOut	Pwr=Power, Out=Output	7-410 Ed2 (Draft)
79	AJCL.PwrOutTot	Pwr=Power, Out=Output, Tot=Total	7-410 Ed2 (Draft)
80	AJCL.RSpt	R=Raise, increase, Spt=Setpoint	7-410 Ed2 (Draft)
81	AJCL.Unt	Unt=Unit, production unit	7-410 Ed2 (Draft)
82	AJCL.UntSpt	Unt=Unit, production unit, Spt=Setpoint	7-410 Ed2 (Draft)
83	AJCL.UntStop	Unt=Unit, production unit, Stop=Stop	7-410 Ed2 (Draft)
84	AJCL.UntStr	Unt=Unit, production unit, Str=Start	7-410 Ed2 (Draft)
85	AJCL.UntTag	Unt=Unit, production unit, Tag=Tag	7-410 Ed2 (Draft)
86	Alg	Algorithm	7-420 Ed2 (Draft)
87	Alg	Algorithm	7-4 Ed2.1 (Draft)
88	Alm	Alarm	7-420 Ed2 (Draft)
89	Alm	Alarm	7-4 Ed2.1 (Draft)
90	Alt	Altitude	7-420 Ed2 (Draft)
91	Alt	Altitude	7-4 Ed2.1 (Draft)
92	altitude	altitude	7-3 Ed2.1 (Draft)
93	Amb	Ambient	7-420 Ed2 (Draft)
94	Amb	Ambient	7-4 Ed2.1 (Draft)
95	Amnt	Amount	7-420 Ed2 (Draft)
96	Amnt	Amount	7-4 Ed2.1 (Draft)
97	Amp	Ampere, current non-phase-related AC	7-420 Ed2 (Draft)

98	Amp	Ampere, current non-phase-related AC	7-4 Ed2.1 (Draft)
99	An	Analogue	7-420 Ed2 (Draft)
100	An	Analogue	7-4 Ed2.1 (Draft)
101	Anc	Ancillary	7-420 Ed2 (Draft)
102	Anc	Ancillary	7-4 Ed2.1 (Draft)
103	ANCR	Neutral current regulator	7-4 Ed2
104	ANCR.ADetunSpt	A=Current, Detun=Detuning, Spt=Setpoint	7-4 Ed2.1 (Draft)
105	ANCR.AResoPt	A=Current, Reso=Resonance, Pt=Point	7-4 Ed2.1 (Draft)
106	ANCR.AWatt	AWatt=Wattmetric component of current	7-4 Ed2.1 (Draft)
107	ANCR.BndWid	Bnd=Band, bandwidth, Wid=Width	7-4 Ed2.1 (Draft)
108	ANCR.CapacImb	Capac=Capacitance, Imb=Imbalance	7-4 Ed2.1 (Draft)
109	ANCR.ClcSeqWrn	Clc=Calculate, calculated, Seq=Sequence, Wrn=Warning	7-4 Ed2.1 (Draft)
110	ANCR.ColChg	Col=Coil, Chg=Change	7-4 Ed2.1 (Draft)
111	ANCR.ColChgOp	Col=Coil, Chg=Change, Op=Operate, operating/Trip order to circuit-breaker	7-4 Ed2.1 (Draft)
112	ANCR.ColPos	Col=Coil, Pos=Position	7-4 Ed2.1 (Draft)
113	ANCR.ColPosA	Col=Coil, PosA=Position phase L1	7-4 Ed2.1 (Draft)
114	ANCR.ColTapPos	Col=Coil, Tap=Tap, Pos=Position	7-4 Ed2.1 (Draft)
115	ANCR.Damp	Damp=Damping	7-4 Ed2.1 (Draft)
116	ANCR.FixCol	Fix=Fixed, Col=Coil	7-4 Ed2.1 (Draft)
117	ANCR.HiColPos	Hi=High, highest, Col=Coil, Pos=Position	7-4 Ed2.1 (Draft)
118	ANCR.LoColPos	Lo=Low (state or value), Col=Coil, Pos=Position	7-4 Ed2.1 (Draft)
119	ANCR.MotAlm	Mot=Motor, Alm=Alarm	7-4 Ed2.1 (Draft)
120	ANCR.MotWrn	Mot=Motor, Wrn=Warning	7-4 Ed2.1 (Draft)
121	ANCR.NeutVol	Neut=Neutral, Vol=Voltage non-phase-related AC	7-4 Ed2.1 (Draft)
122	ANCR.ParColMod	Par=Parallel, Col=Coil, Mod=Mode	7-4 Ed2.1 (Draft)
123	ANCR.ParMod	Par=Parallel, Mod=Mode	7-4 Ed2.1 (Draft)
124	ANCR.ParOp	Par=Parallel, Op=Operate, operating/Trip order to circuit-breaker	7-4 Ed2.1 (Draft)
125	ANCR.PotAlm	Pot=Potentiometer, Alm=Alarm	7-4 Ed2.1 (Draft)
126	ANCR.StClcTun	St=Status, state, Clc=Calculate, calculated, Tun=Tuning	7-4 Ed2.1 (Draft)
127	ANCR.StFixCol	St=Status, state, Fix=Fixed, Col=Coil	7-4 Ed2.1 (Draft)
128	ANCR.StrClc	Str=Start, Clc=Calculate, calculated	7-4 Ed2.1 (Draft)
129	ANCR.TapChg	Tap=Tap, Chg=Change	7-4 Ed2.1 (Draft)
130	ANCR.VolResoPt	Vol=Voltage non-phase-related AC, Reso=Resonance, Pt=Point	7-4 Ed2.1 (Draft)
131	Ane	Anemometer	7-420 Ed2 (Draft)

132	Ane	Anemometer	7-4 Ed2.1 (Draft)
133	Ang	Angle	7-420 Ed2 (Draft)
134	ang	angle	7-3 Ed2.1 (Draft)
135	Ang	Angle	7-4 Ed2.1 (Draft)
136	Ap	Access point	7-420 Ed2 (Draft)
137	Ap	Access point	7-4 Ed2.1 (Draft)
138	APC	Controllable analogue process value	IEC 61850-7-3 Ed2
139	Apc	Analogue point control	7-420 Ed2 (Draft)
140	Apc	Analogue point control	7-4 Ed2.1 (Draft)
141	APDU	Application Protocol Data Unit	90-5 Ed1
142	API	Application Program Interface (Schnittstelle für Anwendungsprogramme)	IEC 61850-7-1 Ed2
143	App	Apparent	7-420 Ed2 (Draft)
144	App	Apparent	7-4 Ed2.1 (Draft)
145	APPID or AppID	Application Identification	8-1 Ed2
146	A-Profile	Application Profile	90-5 Ed1
147	APSF		
148	APSF.ErrTerm	Err=Error, Term=Termination	7-410 Ed2 (Draft)
149	APSF.HHiLim	H=Harmonics (phase-related), Hi=High, highest, Lim=Limit	7-410 Ed2 (Draft)
150	APSF.HiLim	Hi=High, highest, Lim=Limit	7-410 Ed2 (Draft)
151	APSF.HLoLim	H=Harmonics (phase-related), Lo=Low (state or value), Lim=Limit	7-410 Ed2 (Draft)
152	APSF.IHiLim	I=Integral, integration, Hi=High, highest, Lim=Limit	7-410 Ed2 (Draft)
153	APSF.ILoLim	I=Integral, integration, Lo=Low (state or value), Lim=Limit	7-410 Ed2 (Draft)
154	APSF.InputHHz	In=Input, put=?, H=Harmonics (phase-related), Hz=Frequency	7-410 Ed2 (Draft)
155	APSF.InputLIHz	In=Input, put=?, L=Lower (action), I=Integral, integration, Hz=Frequency	7-410 Ed2 (Draft)
156	APSF.KH	K=Constant, H=Harmonics (phase-related)	7-410 Ed2 (Draft)
157	APSF.KH1	K=Constant, H=Harmonics (phase-related), 1=?	7-410 Ed2 (Draft)
158	APSF.KH11	K=Constant, H=Harmonics (phase-related), 11=?	7-410 Ed2 (Draft)
159	APSF.KH17	K=Constant, H=Harmonics (phase-related), 17=?	7-410 Ed2 (Draft)
160	APSF.KH2	K=Constant, H2=Hydrogen	7-410 Ed2 (Draft)
161	APSF.KI	K=Constant, I=Integral, integration	7-410 Ed2 (Draft)
162	APSF.KI1	K=Constant, I=Integral, integration, 1=?	7-410 Ed2 (Draft)
163	APSF.KI11	K=Constant, I=Integral, integration, 11=?	7-410 Ed2 (Draft)
164	APSF.KI17	K=Constant, I=Integral, integration, 17=?	7-410 Ed2 (Draft)

165	APSF.KI2	K=Constant, I=Integral, integration, 2=?	7-410 Ed2 (Draft)
166	APSF.KL	K=Constant, L=Lower (action)	7-410 Ed2 (Draft)
167	APSF.KL1	K=Constant, L=Lower (action), 1=?	7-410 Ed2 (Draft)
168	APSF.KL11	K=Constant, L=Lower (action), 11=?	7-410 Ed2 (Draft)
169	APSF.KL17	K=Constant, L=Lower (action), 17=?	7-410 Ed2 (Draft)
170	APSF.KL2	K=Constant, L=Lower (action), 2=?	7-410 Ed2 (Draft)
171	APSF.LHiLim	L=Lower (action), Hi=High, highest, Lim=Limit	7-410 Ed2 (Draft)
172	APSF.LLoLim	L=Lower (action), Lo=Low (state or value), Lim=Limit	7-410 Ed2 (Draft)
173	APSF.LoLim	Lo=Low (state or value), Lim=Limit	7-410 Ed2 (Draft)
174	APSF.Out	Out=Output	7-410 Ed2 (Draft)
175	APSF.OutH	Out=Output, H=Harmonics (phase-related)	7-410 Ed2 (Draft)
176	APSF.OutHBG	Out=Output, H=Harmonics (phase-related), BG=Before Gain	7-410 Ed2 (Draft)
177	APSF.OutI	Out=Output, I=Integral, integration	7-410 Ed2 (Draft)
178	APSF.OutIBG	Out=Output, I=Integral, integration, BG=Before Gain	7-410 Ed2 (Draft)
179	APSF.OutL	Out=Output, L=Lower (action)	7-410 Ed2 (Draft)
180	APSF.OutLBG	Out=Output, L=Lower (action), BG=Before Gain	7-410 Ed2 (Draft)
181	APSF.TH10Tms	T=?, H=Harmonics (phase-related), 10=?, Tms=Time in s	7-410 Ed2 (Draft)
182	APSF.TH11Tms	T=?, H=Harmonics (phase-related), 11=?, Tms=Time in s	7-410 Ed2 (Draft)
183	APSF.TH12Tms	T=?, H=Harmonics (phase-related), 12=?, Tms=Time in s	7-410 Ed2 (Draft)
184	APSF.TH1Tms	T=?, H=Harmonics (phase-related), 1=?, Tms=Time in s	7-410 Ed2 (Draft)
185	APSF.TH2Tms	T=?, H2=Hydrogen, Tms=Time in s	7-410 Ed2 (Draft)
186	APSF.TH3Tms	T=?, H=Harmonics (phase-related), 3=?, Tms=Time in s	7-410 Ed2 (Draft)
187	APSF.TH4Tms	T=?, H=Harmonics (phase-related), 4=?, Tms=Time in s	7-410 Ed2 (Draft)
188	APSF.TH5Tms	T=?, H=Harmonics (phase-related), 5=?, Tms=Time in s	7-410 Ed2 (Draft)
189	APSF.TH6Tms	T=?, H=Harmonics (phase-related), 6=?, Tms=Time in s	7-410 Ed2 (Draft)
190	APSF.TH7Tms	T=?, H=Harmonics (phase-related), 7=?, Tms=Time in s	7-410 Ed2 (Draft)
191	APSF.TH8Tms	T=?, H=Harmonics (phase-related), 8=?, Tms=Time in s	7-410 Ed2 (Draft)
192	APSF.TH9Tms	T=?, H=Harmonics (phase-related), 9=?, Tms=Time in s	7-410 Ed2 (Draft)
193	APSF.TI10Tms	T=?, I=Integral, integration, 10=?, Tms=Time in s	7-410 Ed2 (Draft)
194	APSF.TI11Tms	T=?, I=Integral, integration, 11=?, Tms=Time in s	7-410 Ed2 (Draft)
195	APSF.TI12Tms	T=?, I=Integral, integration, 12=?, Tms=Time in s	7-410 Ed2 (Draft)
196	APSF.TI1Tms	T=?, I=Integral, integration, 1=?, Tms=Time in s	7-410 Ed2 (Draft)
197	APSF.TI2Tms	T=?, I=Integral, integration, 2=?, Tms=Time in s	7-410 Ed2 (Draft)
198	APSF.TI3Tms	T=?, I=Integral, integration, 3=?, Tms=Time in s	7-410 Ed2 (Draft)
199	APSF.TI4Tms	T=?, I=Integral, integration, 4=?, Tms=Time in s	7-410 Ed2 (Draft)

200	APSF.TI5Tms	T=?, I=Integral, integration, 5=?, Tms=Time in s	7-410 Ed2 (Draft)
201	APSF.TI6Tms	T=?, I=Integral, integration, 6=?, Tms=Time in s	7-410 Ed2 (Draft)
202	APSF.TI7Tms	T=?, I=Integral, integration, 7=?, Tms=Time in s	7-410 Ed2 (Draft)
203	APSF.TI8Tms	T=?, I=Integral, integration, 8=?, Tms=Time in s	7-410 Ed2 (Draft)
204	APSF.TI9Tms	T=?, I=Integral, integration, 9=?, Tms=Time in s	7-410 Ed2 (Draft)
205	APSF.TL10Tms	T=?, L=Lower (action), 10=?, Tms=Time in s	7-410 Ed2 (Draft)
206	APSF.TL11Tms	T=?, L=Lower (action), 11=?, Tms=Time in s	7-410 Ed2 (Draft)
207	APSF.TL12Tms	T=?, L=Lower (action), 12=?, Tms=Time in s	7-410 Ed2 (Draft)
208	APSF.TL1Tms	T=?, L=Lower (action), 1=?, Tms=Time in s	7-410 Ed2 (Draft)
209	APSF.TL2Tms	T=?, L=Lower (action), 2=?, Tms=Time in s	7-410 Ed2 (Draft)
210	APSF.TL3Tms	T=?, L=Lower (action), 3=?, Tms=Time in s	7-410 Ed2 (Draft)
211	APSF.TL4Tms	T=?, L=Lower (action), 4=?, Tms=Time in s	7-410 Ed2 (Draft)
212	APSF.TL5Tms	T=?, L=Lower (action), 5=?, Tms=Time in s	7-410 Ed2 (Draft)
213	APSF.TL6Tms	T=?, L=Lower (action), 6=?, Tms=Time in s	7-410 Ed2 (Draft)
214	APSF.TL7Tms	T=?, L=Lower (action), 7=?, Tms=Time in s	7-410 Ed2 (Draft)
215	APSF.TL8Tms	T=?, L=Lower (action), 8=?, Tms=Time in s	7-410 Ed2 (Draft)
216	APSF.TL9Tms	T=?, L=Lower (action), 9=?, Tms=Time in s	7-410 Ed2 (Draft)
217	APSF.VHMax	V=Voltage, H=Harmonics (phase-related), Max=Maximum	7-410 Ed2 (Draft)
218	APSF.VHMin	V=Voltage, H=Harmonics (phase-related), Min=Minimum	7-410 Ed2 (Draft)
219	APSF.VIMax	V=Voltage, I=Integral, integration, Max=Maximum	7-410 Ed2 (Draft)
220	APSF.VIMin	V=Voltage, I=Integral, integration, Min=Minimum	7-410 Ed2 (Draft)
221	APSF.VLMax	V=Voltage, L=Lower (action), Max=Maximum	7-410 Ed2 (Draft)
222	APSF.VLMin	V=Voltage, L=Lower (action), Min=Minimum	7-410 Ed2 (Draft)
223	APSS		
224	APSS.AmpMin	Amp=Ampere, current non-phase-related AC, Min=Minimum	7-410 Ed2 (Draft)
225	APSS.BlkPss	Blk=Block, blocked, Pss=PSS, power system stabiliser function	7-410 Ed2 (Draft)
226	APSS.HzDTmms	Hz=Frequency, D=Derivate, Tmms=Time in ms	7-410 Ed2 (Draft)
227	APSS.HzVaMx	Hz=Frequency, Va=Variation, Mx=Maximum	7-410 Ed2 (Draft)
228	APSS.PreSelPss	Pre=Pre-, Sel=Select, Pss=PSS, power system stabiliser function	7-410 Ed2 (Draft)
229	APSS.PssAct	Pss=PSS, power system stabiliser function, Act=Action, activity, active, activate	7-410 Ed2 (Draft)
230	APSS.PwrMin	Pwr=Power, Min=Minimum	7-410 Ed2 (Draft)
231	APSS.RsDlTmms	Rs=Reset, resettable, Dl=Delay, Tmms=Time in ms	7-410 Ed2 (Draft)
232	APSS.VITmms	V=Voltage, I=Integral, integration, Tmms=Time in ms	7-410 Ed2 (Draft)
233	APSS.VMax	V=Voltage, Max=Maximum	7-410 Ed2 (Draft)

234	APSS.VMin	V=Voltage, Min=Minimum	7-410 Ed2 (Draft)
235	APSS.VRefErr	V=Voltage, Ref=Reference, Err=Error	7-410 Ed2 (Draft)
236	APST		
237	APST.ActualDw	Act=Action, activity, active, activate, ual=?, Dw=Delta Omega	7-410 Ed2 (Draft)
238	APST.ActualPe	Act=Action, activity, active, activate, ual=?, Pe=Electric Power	7-410 Ed2 (Draft)
239	APST.ActualTp	Act=Action, activity, active, activate, ual=?, Tp=Test Point	7-410 Ed2 (Draft)
240	APST.InDw	In=Input, Dw=Delta Omega	7-410 Ed2 (Draft)
241	APST.InPe	In=Input, Pe=Electric Power	7-410 Ed2 (Draft)
242	APST.Ks1	K=Constant, s1=?	7-410 Ed2 (Draft)
243	APST.Ks2	K=Constant, s2=?	7-410 Ed2 (Draft)
244	APST.Ks3	K=Constant, s3=?	7-410 Ed2 (Draft)
245	APST.M	M=Minutes	7-410 Ed2 (Draft)
246	APST.N	N=?	7-410 Ed2 (Draft)
247	APST.Out	Out=Output	7-410 Ed2 (Draft)
248	APST.ScaleDw	Scale=?, Dw=Delta Omega	7-410 Ed2 (Draft)
249	APST.ScalePe	Scale=?, Pe=Electric Power	7-410 Ed2 (Draft)
250	APST.T10Tms	T10=?, Tms=Time in s	7-410 Ed2 (Draft)
251	APST.T11Tms	T11=?, Tms=Time in s	7-410 Ed2 (Draft)
252	APST.T1Tms	T1=?, Tms=Time in s	7-410 Ed2 (Draft)
253	APST.T2Tms	T2=?, Tms=Time in s	7-410 Ed2 (Draft)
254	APST.T3Tms	T3=?, Tms=Time in s	7-410 Ed2 (Draft)
255	APST.T4Tms	T4=?, Tms=Time in s	7-410 Ed2 (Draft)
256	APST.T7Tms	T7=?, Tms=Time in s	7-410 Ed2 (Draft)
257	APST.T8Tms	T8=?, Tms=Time in s	7-410 Ed2 (Draft)
258	APST.T9Tms	T9=?, Tms=Time in s	7-410 Ed2 (Draft)
259	APST.TwTms	Tw=?, Tms=Time in s	7-410 Ed2 (Draft)
260	APST.VsiMaxLim	Vsi=Voltage stabilizer input, Max=Maximum, Lim=Limit	7-410 Ed2 (Draft)
261	APST.VsiMaxLimSpt	Vsi=Voltage stabilizer input, Max=Maximum, Lim=Limit, Spt=Setpoint	7-410 Ed2 (Draft)
262	APST.VsiMinLim	Vsi=Voltage stabilizer input, Min=Minimum, Lim=Limit	7-410 Ed2 (Draft)
263	APST.VsiMinLimSpt	Vsi=Voltage stabilizer input, Min=Minimum, Lim=Limit, Spt=Setpoint	7-410 Ed2 (Draft)
264	APST.VstMaxLim	Vst=Voltage stabilizer terminal (output), Max=Maximum, Lim=Limit	7-410 Ed2 (Draft)
265	APST.VstMaxLimSpt	Vst=Voltage stabilizer terminal (output), Max=Maximum, Lim=Limit, Spt=Setpoint	7-410 Ed2 (Draft)
266	APST.VstMinLim	Vst=Voltage stabilizer terminal (output), Min=Minimum, Lim=Limit	7-410 Ed2 (Draft)

267	APST.VstMinLimSpt	Vst=Voltage stabilizer terminal (output), Min=Minimum, Lim=Limit, Spt=Setpoint	7-410 Ed2 (Draft)
268	Ar	Amperes reactive (reactive current)	7-420 Ed2 (Draft)
269	Ar	Amperes reactive (reactive current)	7-4 Ed2.1 (Draft)
270	Arc	Arc	7-420 Ed2 (Draft)
271	Arc	Arc	7-4 Ed2.1 (Draft)
272	ARCO	LN: Reactive power control (Blindleistungsregler)	7-4 Ed2
273	ARCO.DschBlk	Dsch=Discharge, Blk=Block, blocked	7-4 Ed2.1 (Draft)
274	ARCO.NeutAlm	Neut=Neutral, Alm=Alarm	7-4 Ed2.1 (Draft)
275	ARCO.TapChg	Tap=Tap, Chg=Change	7-4 Ed2.1 (Draft)
276	ARCO.VOvSt	V=Voltage, Ov=Over, override, overflow, St=Status, state	7-4 Ed2.1 (Draft)
277	Area	Area	7-420 Ed2 (Draft)
278	Area	Area	7-4 Ed2.1 (Draft)
279	ARIS	Resistor control	7-4 Ed2
280	ARIS.NeutVol	Neut=Neutral, Vol=Voltage non-phase-related AC	7-4 Ed2.1 (Draft)
281	ARIS.RisTmp	Ris=Resistance, Tmp=Temperature (°C)	7-4 Ed2.1 (Draft)
282	ARIS.RisTmpClc	Ris=Resistance, Tmp=Temperature (°C), Clc=Calculate, calculated	7-4 Ed2.1 (Draft)
283	ARIS.StrSeq	Str=Start, Seq=Sequence	7-4 Ed2.1 (Draft)
284	ARIS.TmpAlm	Tmp=Temperature (°C), Alm=Alarm	7-4 Ed2.1 (Draft)
285	ARIS.ZBlk	Z=Impedance, Blk=Block, blocked	7-4 Ed2.1 (Draft)
286	Arr	Array	7-420 Ed2 (Draft)
287	Arr	Array	7-4 Ed2.1 (Draft)
288	ASDU	Application Service Data Unit (Anwendungsnachricht)	
289	ASG	Analogue Setting Common Data Class	IEC 61850-7-3
290	ASG	Analogue setting	IEC 61850-7-3 Ed2
291	ASN.1	Abstract Syntax Notation 1 (Notation 1 für darstellungsunabhängige Syntax)	IEC 61850-8-1
292	ASN.1	Abstract syntax notation one	IEC 61850-7-1 Ed2
293	At	At	7-420 Ed2 (Draft)
294	At	At	7-4 Ed2.1 (Draft)
295	ATCC	LN: Automatic Tap Changer Controller (Transformatorregler)	7-4 Ed2
296	ATCC.BlkLV	Blk=Block, blocked, L=Lower (action), V=Voltage	7-4 Ed2.1 (Draft)
297	ATCC.BlkRV	Blk=Block, blocked, R=Raise, increase, V=Voltage	7-4 Ed2.1 (Draft)
298	ATCC.BlkVHi	Blk=Block, blocked, V=Voltage, Hi=High, highest	7-4 Ed2.1 (Draft)
299	ATCC.BlkVLo	Blk=Block, blocked, V=Voltage, Lo=Low (state or value)	7-4 Ed2.1 (Draft)

300	ATCC.BndCtr	Bnd=Band, bandwidth, Ctr=Center	7-4 Ed2.1 (Draft)
301	ATCC.BndCtrChg	Bnd=Band, bandwidth, Ctr=Center, Chg=Change	7-4 Ed2.1 (Draft)
302	ATCC.BndWid	Bnd=Band, bandwidth, Wid=Width	7-4 Ed2.1 (Draft)
303	ATCC.CircA	Circ=Circulating, circuit, A=Current	7-4 Ed2.1 (Draft)
304	ATCC.CtlDlTmms	Ctl=Control, Dl=Delay, Tmms=Time in ms	7-4 Ed2.1 (Draft)
305	ATCC.CtlV	Ctl=Control, V=Voltage	7-4 Ed2.1 (Draft)
306	ATCC.EndPosL	End=End, Pos=Position, L=Lower (action)	7-4 Ed2.1 (Draft)
307	ATCC.EndPosR	End=End, Pos=Position, R=Raise, increase	7-4 Ed2.1 (Draft)
308	ATCC.ErrPar	Err=Error, Par=Parallel	7-4 Ed2.1 (Draft)
309	ATCC.HiCtlV	Hi=High, highest, Ctl=Control, V=Voltage	7-4 Ed2.1 (Draft)
310	ATCC.HiDmdA	Hi=High, highest, Dmd=Demand, A=Current	7-4 Ed2.1 (Draft)
311	ATCC.HiTapPos	Hi=High, highest, Tap=Tap, Pos=Position	7-4 Ed2.1 (Draft)
312	ATCC.LDC	LDC=Line drop compensation	7-4 Ed2.1 (Draft)
313	ATCC.LDCR	LDCR=Line drop compensation resistance	7-4 Ed2.1 (Draft)
314	ATCC.LDCX	LDCX=Line drop compensation reactance	7-4 Ed2.1 (Draft)
315	ATCC.LDCZ	LDCZ=Line drop compensation impedance	7-4 Ed2.1 (Draft)
316	ATCC.LimLodA	Lim=Limit, Lod=Load, loading, A=Current	7-4 Ed2.1 (Draft)
317	ATCC.LoCtlV	Lo=Low (state or value), Ctl=Control, V=Voltage	7-4 Ed2.1 (Draft)
318	ATCC.LodA	Lod=Load, loading, A=Current	7-4 Ed2.1 (Draft)
319	ATCC.LoTapPos	Lo=Low (state or value), Tap=Tap, Pos=Position	7-4 Ed2.1 (Draft)
320	ATCC.LTCBlkAHi	LTC=Load tap changer, Blk=Block, blocked, A=Current, Hi=High, highest	7-4 Ed2.1 (Draft)
321	ATCC.LTCBlkVHi	LTC=Load tap changer, Blk=Block, blocked, V=Voltage, Hi=High, highest	7-4 Ed2.1 (Draft)
322	ATCC.LTCBlkVLo	LTC=Load tap changer, Blk=Block, blocked, V=Voltage, Lo=Low (state or value)	7-4 Ed2.1 (Draft)
323	ATCC.LTCDragRs	LTC=Load tap changer, Drag=Drag hand, Rs=Reset, resettable	7-4 Ed2.1 (Draft)
324	ATCC.ParOp	Par=Parallel, Op=Operate, operating/Trip order to circuit-breaker	7-4 Ed2.1 (Draft)
325	ATCC.ParTrfMod	Par=Parallel, Trf=Transformer, Mod=Mode	7-4 Ed2.1 (Draft)
326	ATCC.PhAng	Ph=Phase to reference, Ang=Angle	7-4 Ed2.1 (Draft)
327	ATCC.RnbkRV	Rnbk=Runback, R=Raise, increase, V=Voltage	7-4 Ed2.1 (Draft)
328	ATCC.TapBlkL	Tap=Tap, Blk=Block, blocked, L=Lower (action)	7-4 Ed2.1 (Draft)
329	ATCC.TapBlkR	Tap=Tap, Blk=Block, blocked, R=Raise, increase	7-4 Ed2.1 (Draft)
330	ATCC.TapChg	Tap=Tap, Chg=Change	7-4 Ed2.1 (Draft)

331	ATCC.TapOpErr	Tap=Tap, Op=Operate, operating/Trip order to circuit-breaker, Err=Error	7-4 Ed2.1 (Draft)
332	ATCC.TapOpL	Tap=Tap, Op=Operate, operating/Trip order to circuit-breaker, L=Lower (action)	7-4 Ed2.1 (Draft)
333	ATCC.TapOpR	Tap=Tap, Op=Operate, operating/Trip order to circuit-breaker, R=Raise, increase	7-4 Ed2.1 (Draft)
334	ATCC.TapOpStop	Tap=Tap, Op=Operate, operating/Trip order to circuit-breaker, Stop=Stop	7-4 Ed2.1 (Draft)
335	ATCC.TapPos	Tap=Tap, Pos=Position	7-4 Ed2.1 (Draft)
336	ATCC.TmDlChr	Tm=Time, Dl=Delay, Chr=Characteristic	7-4 Ed2.1 (Draft)
337	Auth	Authorisation	7-420 Ed2 (Draft)
338	Auth	Authorisation	7-4 Ed2.1 (Draft)
339	Auto	Automatic	7-420 Ed2 (Draft)
340	Auto	Automatic	7-4 Ed2.1 (Draft)
341	AutomaticControlLN.Auto	Auto=Automatic	7-4 Ed2.1 (Draft)
342	Aux	Auxiliary	7-420 Ed2 (Draft)
343	Aux	Auxiliary	7-4 Ed2.1 (Draft)
344	Av	Average	7-420 Ed2 (Draft)
345	Av	Average	7-4 Ed2.1 (Draft)
346	AVCO	LN: Voltage control (Spannungsregelung)	7-4 Ed2
347	AVCO.BlkAOv	Blk=Block, blocked, A=Current, Ov=Over, override, overflow	7-4 Ed2.1 (Draft)
348	AVCO.BlkEF	Blk=Block, blocked, EF=Earth fault	7-4 Ed2.1 (Draft)
349	AVCO.BlkVOv	Blk=Block, blocked, V=Voltage, Ov=Over, override, overflow	7-4 Ed2.1 (Draft)
350	AVCO.LimAOv	Lim=Limit, A=Current, Ov=Over, override, overflow	7-4 Ed2.1 (Draft)
351	AVCO.LimVOv	Lim=Limit, V=Voltage, Ov=Over, override, overflow	7-4 Ed2.1 (Draft)
352	AVCO.TapChg	Tap=Tap, Chg=Change	7-4 Ed2.1 (Draft)
353	AVCO.VolSpt	Vol=Voltage non-phase-related AC, Spt=Setpoint	7-4 Ed2.1 (Draft)
354	Avl	Availability	7-420 Ed2 (Draft)
355	Avl	Availability	7-4 Ed2.1 (Draft)
356	AVR	Automatic Voltage Regulator	90-4 Ed1 (Draft)
357	AWatt	Wattmetric component of current	7-420 Ed2 (Draft)
358	AWatt	Wattmetric component of current	7-4 Ed2.1 (Draft)
359	Ax	Axial	7-420 Ed2 (Draft)
360	Ax	Axial	7-4 Ed2.1 (Draft)
361	Azi	Azimuth	7-420 Ed2 (Draft)

362	Azi	Azimuth	7-4 Ed2.1 (Draft)
363	B	Bushing	7-420 Ed2 (Draft)
364	B	Bushing	7-4 Ed2.1 (Draft)
365	BAC	Binary controlled analog process value	IEC 61850-7-3 Ed2
366	Bac	Binary-controlled analogue value	7-420 Ed2 (Draft)
367	Bac	Binary-controlled analogue value	7-4 Ed2.1 (Draft)
368	Base	Base	7-420 Ed2 (Draft)
369	Base	Base	7-4 Ed2.1 (Draft)
370	Bat	Battery	7-420 Ed2 (Draft)
371	Bat	Battery	7-4 Ed2.1 (Draft)
372	BC	IEC 61588	90-4 Ed1 (Draft)
373	Bck	Backup	7-420 Ed2 (Draft)
374	Bck	Backup	7-4 Ed2.1 (Draft)
375	BCR	Binary counter reading	IEC 61850-7-3 Ed2
376	BCU	Bay Control Unit	90-4 Ed1 (Draft)
377	BDA	Basic DATA Attribute (i.e. not structured)	IEC 61850-6 Ed2
378	BDA	Basic DATA Attribute (i.e. not structured)	6 Ed2
379	Bec	Beacon	7-420 Ed2 (Draft)
380	Bec	Beacon	7-4 Ed2.1 (Draft)
381	Beh	Behaviour	7-420 Ed2 (Draft)
382	Beh	Behaviour	7-4 Ed2.1 (Draft)
383	BER	ASN.1 Basic Encoding Rules (Codierungsregeln für Daten für ASN.1)	IEC 61850-8-1
384	Ber	Bit error rate	7-420 Ed2 (Draft)
385	Ber	Bit error rate	7-4 Ed2.1 (Draft)
386	BG	Before Gain	7-4 Ed2.1 (Draft)
387	Bias	Bias	7-420 Ed2 (Draft)
388	Bias	Bias	7-4 Ed2.1 (Draft)
389	Bl	Blade	7-420 Ed2 (Draft)
390	BL	blocking	7-3 Ed2.1 (Draft)
391	Bl	Blade	7-4 Ed2.1 (Draft)
392	Blb	Bulb	7-420 Ed2 (Draft)
393	Blb	Bulb	7-4 Ed2.1 (Draft)
394	Blk	Block, blocked	7-420 Ed2 (Draft)
395	blk	block	7-3 Ed2.1 (Draft)
396	Blk	Block, blocked	7-4 Ed2.1 (Draft)

397	Blow	Blowby	7-420 Ed2 (Draft)
398	Blow	Blowby	7-4 Ed2.1 (Draft)
399	BMCA	IEC 61588	90-4 Ed1 (Draft)
400	Bnd	Band, bandwidth	7-420 Ed2 (Draft)
401	Bnd	Band, bandwidth	7-4 Ed2.1 (Draft)
402	Boil	Boiler	7-420 Ed2 (Draft)
403	Boil	Boiler	7-4 Ed2.1 (Draft)
404	Bot	Bottom	7-420 Ed2 (Draft)
405	Bot	Bottom	7-4 Ed2.1 (Draft)
406	BP	Busbar protection	90-4 Ed1 (Draft)
407	BPDU	IEEE 802.1D	90-4 Ed1 (Draft)
408	BPU	Bay Protection Unit	90-4 Ed1 (Draft)
409	BrakeLN		
410	BrakeLN.BrkOn	Brk=Brake, On=On, device applied, running	7-410 Ed2 (Draft)
411	BrakeLN.Operate	Operate=Operate order to any device	7-410 Ed2 (Draft)
412	BRCB	Buffered Report Control Block (Meldungssteuerblock mit Pufferung bei Verbindungsausfall)	IEC 61850-7-2 Ed2
413	Brcb	Buffered report control block	7-420 Ed2 (Draft)
414	Brcb	Buffered report control block	7-4 Ed2.1 (Draft)
415	BRCB	Buffered Report Control Block	8-1 Ed2
416	Brg	Bearing	7-420 Ed2 (Draft)
417	Brg	Bearing	7-4 Ed2.1 (Draft)
418	Brk	Brake	7-420 Ed2 (Draft)
419	Brk	Brake	7-4 Ed2.1 (Draft)
420	BSC	Binary controlled step position information	IEC 61850-7-3 Ed2
421	Bsc	Binary status control	7-420 Ed2 (Draft)
422	Bsc	Binary status control	7-4 Ed2.1 (Draft)
423	Bst	Boost	7-420 Ed2 (Draft)
424	Bst	Boost	7-4 Ed2.1 (Draft)
425	Bt	Heartbeat	7-4 Ed2.1 (Draft)
426	Bus	Bus	7-420 Ed2 (Draft)
427	Bus	Bus	7-4 Ed2.1 (Draft)
428	C	Carbon	7-420 Ed2 (Draft)
429	c	sequence component	7-3 Ed2.1 (Draft)
430	C	config	7-3 Ed2.1 (Draft)

431	C	Carbon	7-4 Ed2.1 (Draft)
432	C2H2	Acetylene	7-420 Ed2 (Draft)
433	C2H2	Acetylene	7-4 Ed2.1 (Draft)
434	C2H4	Ethylene	7-420 Ed2 (Draft)
435	C2H4	Ethylene	7-4 Ed2.1 (Draft)
436	C2H6	Ethane	7-420 Ed2 (Draft)
437	C2H6	Ethane	7-4 Ed2.1 (Draft)
438	Cab	Cable	7-420 Ed2 (Draft)
439	Cab	Cable	7-4 Ed2.1 (Draft)
440	Cal	Calorie, caloric	7-420 Ed2 (Draft)
441	cal	calender	7-3 Ed2.1 (Draft)
442	Cal	Calorie, caloric	7-4 Ed2.1 (Draft)
443	CALH	Alarm handling	7-4 Ed2
444	CALH.AlmLstOv	Alm=Alarm, Lst=List, Ov=Over, override, overflow	7-4 Ed2.1 (Draft)
445	CALH.GrAlm	Gr=Group, Alm=Alarm	7-4 Ed2.1 (Draft)
446	CALH.GrInd	Gr=Group, Ind=Indication	7-4 Ed2.1 (Draft)
447	CALH.GrWrn	Gr=Group, Wrn=Warning	7-4 Ed2.1 (Draft)
448	Cam	Cam, e.g. rotating non-circular disk	7-4 Ed2.1 (Draft)
449	Cap	Capability, capacity	7-420 Ed2 (Draft)
450	Cap	Capability, capacity	7-4 Ed2.1 (Draft)
451	Capac	Capacitance	7-420 Ed2 (Draft)
452	Capac	Capacitance	7-4 Ed2.1 (Draft)
453	Car	Carrier	7-420 Ed2 (Draft)
454	Car	Carrier	7-4 Ed2.1 (Draft)
455	Cat	Category	7-420 Ed2 (Draft)
456	cat	categorie	7-3 Ed2.1 (Draft)
457	Cat	Category	7-4 Ed2.1 (Draft)
458	CB	control block	IEC 61850-7-2 Ed2
459	CB	Circuit breaker	7-420 Ed2 (Draft)
460	CB	control block	7-3 Ed2.1 (Draft)
461	CB	Circuit breaker	7-4 Ed2.1 (Draft)
462	CBB	Conformance Building Block	8-1 Ed2
463	CBB	Conformance Building Block	
464	Cbr	Calibration	7-4 Ed2.1 (Draft)
465	CC	Control Center	

466	CCGR	Cooling group control	7-4 Ed2
467	CCGR.CECtl	CE=Cooling equipment (see also Cl), Ctl=Control	7-4 Ed2.1 (Draft)
468	CCGR.CEFlw	CE=Cooling equipment (see also Cl), Flw=Flow, flowing	7-4 Ed2.1 (Draft)
469	CCGR.CEPres	CE=Cooling equipment (see also Cl), Pres=Pressure	7-4 Ed2.1 (Draft)
470	CCGR.CETmpIn	CE=Cooling equipment (see also Cl), Tmp=Temperature (°C), In=Input	7-4 Ed2.1 (Draft)
471	CCGR.CETmpOut	CE=Cooling equipment (see also Cl), Tmp=Temperature (°C), Out=Output	7-4 Ed2.1 (Draft)
472	CCGR.EnvTmp	Env=Environment, Tmp=Temperature (°C)	7-4 Ed2.1 (Draft)
473	CCGR.FanA	Fan=Fan, A=Current	7-4 Ed2.1 (Draft)
474	CCGR.FanCtl	Fan=Fan, Ctl=Control	7-4 Ed2.1 (Draft)
475	CCGR.FanCtlGen	Fan=Fan, Ctl=Control, Gen=General	7-4 Ed2.1 (Draft)
476	CCGR.FanFlw	Fan=Fan, Flw=Flow, flowing	7-4 Ed2.1 (Draft)
477	CCGR.FanOvCur	Fan=Fan, Ov=Over, override, overflow, Cur=Current	7-4 Ed2.1 (Draft)
478	CCGR.OilMotA	Oil=Oil, Mot=Motor, A=Current	7-4 Ed2.1 (Draft)
479	CCGR.OilTmpIn	Oil=Oil, Tmp=Temperature (°C), In=Input	7-4 Ed2.1 (Draft)
480	CCGR.OilTmpOut	Oil=Oil, Tmp=Temperature (°C), Out=Output	7-4 Ed2.1 (Draft)
481	CCGR.OilTmpSet	Oil=Oil, Tmp=Temperature (°C), Set=Setting	7-4 Ed2.1 (Draft)
482	CCGR.OpTmh	Op=Operate, operating/Trip order to circuit-breaker, Tmh=Time in h	7-4 Ed2.1 (Draft)
483	CCGR.PmpAlm	Pmp=Pump, Alm=Alarm	7-4 Ed2.1 (Draft)
484	CCGR.PmpCtl	Pmp=Pump, Ctl=Control	7-4 Ed2.1 (Draft)
485	CCGR.PmpCtlGen	Pmp=Pump, Ctl=Control, Gen=General	7-4 Ed2.1 (Draft)
486	CCGR.PmpOvCur	Pmp=Pump, Ov=Over, override, overflow, Cur=Current	7-4 Ed2.1 (Draft)
487	Ccw	Counter clockwise	7-420 Ed2 (Draft)
488	Ccw	Counter clockwise	7-4 Ed2.1 (Draft)
489	Ccy	Currency	7-420 Ed2 (Draft)
490	Ccy	Currency	7-4 Ed2.1 (Draft)
491	CD	Committee Draft (Komitee-Entwurf – internationaler Norm-Entwurf)	
492	CDC	Common Data Class (allgemeine Datenklasse)	
493	CDC	Common data class	IEC 61850-7-1 Ed2
494	CDC	common data class (IEC 61850-7-3)	IEC 61850-7-2 Ed2
495	CDC	common data class	IEC 61850-7-3 Ed2
496	CDC	common data class	7-3 Ed2.1 (Draft)
497	CDC	Common Data class	8-1 Ed2
498	CDC	Common Data Class	90-5 Ed1

499	CDV	Committee draft for vote (Komitee-Entwurf zur Abstimmung – internationaler Norm-Entwurf)	
500	CE	Cooling equipment (see also Cl)	7-420 Ed2 (Draft)
501	CE	Cooling equipment (see also Cl)	7-4 Ed2.1 (Draft)
502	Ceil	Ceiling	7-420 Ed2 (Draft)
503	Ceil	Ceiling	7-4 Ed2.1 (Draft)
504	Cel	Cell	7-420 Ed2 (Draft)
505	Cel	Cell	7-4 Ed2.1 (Draft)
506	cell	cell	7-3 Ed2.1 (Draft)
507	Cf	Crest factor	7-420 Ed2 (Draft)
508	CF	configuration	7-3 Ed2.1 (Draft)
509	Cf	Crest factor	7-4 Ed2.1 (Draft)
510	Cff	Coefficient	7-420 Ed2 (Draft)
511	Cff	Coefficient	7-4 Ed2.1 (Draft)
512	Cfg	Configuration	7-420 Ed2 (Draft)
513	Cfg	Configuration	7-4 Ed2.1 (Draft)
514	CG	Core ground	7-420 Ed2 (Draft)
515	CG	Core ground	7-4 Ed2.1 (Draft)
516	Ch	Channel	7-420 Ed2 (Draft)
517	Ch	Channel	7-4 Ed2.1 (Draft)
518	CH4	Methane	7-420 Ed2 (Draft)
519	CH4	Methane	7-4 Ed2.1 (Draft)
520	Cha	Charger	7-420 Ed2 (Draft)
521	Cha	Charger	7-4 Ed2.1 (Draft)
522	charac	characteristic	7-3 Ed2.1 (Draft)
523	Chg	Change	7-420 Ed2 (Draft)
524	Chg	Change	7-4 Ed2.1 (Draft)
525	Chk	Check	7-420 Ed2 (Draft)
526	Chk	Check	7-4 Ed2.1 (Draft)
527	CHP	Combined heat and power	7-4 Ed2.1 (Draft)
528	Chr	Characteristic	7-420 Ed2 (Draft)
529	Chr	Characteristic	7-4 Ed2.1 (Draft)
530	CID	Configured IED Description	90-5 Ed1
531	CILO	Interlocking	7-4 Ed2
532	CILO.EnaCls	Ena=Enabled, enable, allow operation, Cls=Close, closed	7-4 Ed2.1 (Draft)

533	CILO.EnaOpn	Ena=Enabled, enable, allow operation, Opn=Open, opened	7-4 Ed2.1 (Draft)
534	CIM	Common Information Model for energy management applications	IEC 61850-6 Ed2
535	CIM	Common Information Model for energy management applications	6 Ed2
536	CIM	Common Information Model for energy management applications	IEC 61968/70
537	Circ	Circulating, circuit	7-420 Ed2 (Draft)
538	Circ	Circulating, circuit	7-4 Ed2.1 (Draft)
539	Cl	Cooling, coolant, cooling system (see also CE)	7-420 Ed2 (Draft)
540	Cl	Cooling, coolant, cooling system (see also CE)	7-4 Ed2.1 (Draft)
541	CL	Connectionless	8-1 Ed2
542	classes	classes	7-3 Ed2.1 (Draft)
543	Clc	Calculate, calculated	7-420 Ed2 (Draft)
544	Clc	Calculate, calculated	7-4 Ed2.1 (Draft)
545	Client-CR	Client Conformance Requirement	8-1 Ed2
546	Cloud	Cloud	7-420 Ed2 (Draft)
547	Cloud	Cloud	7-4 Ed2.1 (Draft)
548	Clr	Clear	7-420 Ed2 (Draft)
549	Clr	Clear	7-4 Ed2.1 (Draft)
550	Cls	Close, closed	7-420 Ed2 (Draft)
551	Cls	Close, closed	7-4 Ed2.1 (Draft)
552	Cm	Centimetres	7-4 Ed2.1 (Draft)
553	Cmbu	Combustible, combustion	7-420 Ed2 (Draft)
554	Cmbu	Combustible, combustion	7-4 Ed2.1 (Draft)
555	Cmd	Command	7-420 Ed2 (Draft)
556	cmd	command	7-3 Ed2.1 (Draft)
557	Cmd	Command	7-4 Ed2.1 (Draft)
558	CmdEquipmentInterfaceLN.CmdBlk	Cmd=Command, Blk=Block, blocked	7-4 Ed2.1 (Draft)
559	Cmpl	Completed, completion, complete	7-420 Ed2 (Draft)
560	Cmpl	Completed, completion, complete	7-4 Ed2.1 (Draft)
561	Cmut	Commute, commutator	7-420 Ed2 (Draft)
562	Cmut	Commute, commutator	7-4 Ed2.1 (Draft)
563	CMV	Complex measured value	IEC 61850-7-3 Ed2
564	Cndct	Conductivity	7-420 Ed2 (Draft)
565	Cndct	Conductivity	7-4 Ed2.1 (Draft)
566	Cnt	Counter	7-420 Ed2 (Draft)
567	cnt	counter	7-3 Ed2.1 (Draft)

568	Cnt	Counter	7-4 Ed2.1 (Draft)
569	Cntt	Contractual	7-420 Ed2 (Draft)
570	Cntt	Contractual	7-4 Ed2.1 (Draft)
571	Cnv	Converter	7-420 Ed2 (Draft)
572	Cnv	Converter	7-4 Ed2.1 (Draft)
573	CO	Carbon monoxide	7-420 Ed2 (Draft)
574	CO	Carbon monoxide	7-4 Ed2.1 (Draft)
575	CO	Connection Oriented	8-1 Ed2
576	CO2	Carbon dioxide	7-420 Ed2 (Draft)
577	CO2	Carbon dioxide	7-4 Ed2.1 (Draft)
578	Col	Coil	7-420 Ed2 (Draft)
579	Col	Coil	7-4 Ed2.1 (Draft)
580	Comm	Communication	7-420 Ed2 (Draft)
581	Comm	Communication	7-4 Ed2.1 (Draft)
582	Common LN	Common Logical Node	7-4 Ed2
583	Comp	Compensation	7-420 Ed2 (Draft)
584	Comp	Compensation	7-4 Ed2.1 (Draft)
585	ConductorLN		
586	ConductorLN.LinLenkm	Lin=Line, Len=Length, km=Kilometre	7-4 Ed2.1 (Draft)
587	ConductorLN.RmZer	R=Raise, increase, m=?, Zer=Zero	7-4 Ed2.1 (Draft)
588	ConductorLN.RPs	R=Raise, increase, Ps=Positive	7-4 Ed2.1 (Draft)
589	ConductorLN.RZer	R=Raise, increase, Zer=Zero	7-4 Ed2.1 (Draft)
590	ConductorLN.XmZer	Xm=?, Zer=Zero	7-4 Ed2.1 (Draft)
591	ConductorLN.XPs	X=?, Ps=Positive	7-4 Ed2.1 (Draft)
592	ConductorLN.XZer	X=?, Zer=Zero	7-4 Ed2.1 (Draft)
593	ConductorLN.ZmZerAng	Z=Impedance, m=?, Zer=Zero, Ang=Angle	7-4 Ed2.1 (Draft)
594	ConductorLN.ZmZerMag	Z=Impedance, m=?, Zer=Zero, Mag=Magnetic, magnitude	7-4 Ed2.1 (Draft)
595	ConductorLN.ZPsAng	Z=Impedance, Ps=Positive, Ang=Angle	7-4 Ed2.1 (Draft)
596	ConductorLN.ZPsMag	Z=Impedance, Ps=Positive, Mag=Magnetic, magnitude	7-4 Ed2.1 (Draft)
597	ConductorLN.ZZerAng	Z=Impedance, Zer=Zero, Ang=Angle	7-4 Ed2.1 (Draft)
598	ConductorLN.ZZerMag	Z=Impedance, Zer=Zero, Mag=Magnetic, magnitude	7-4 Ed2.1 (Draft)
599	Conf	Configuration	7-420 Ed2 (Draft)
600	Conf	Configuration	7-4 Ed2.1 (Draft)
601	config	config	7-3 Ed2.1 (Draft)
602	Conn	Connected, connections	7-420 Ed2 (Draft)

603	Conn	Connected, connections	7-4 Ed2.1 (Draft)
604	Cons	Constant	7-420 Ed2 (Draft)
605	Cons	Constant	7-4 Ed2.1 (Draft)
606	ControlEquipmentInterfaceLN		
607	ControlEquipmentInterfaceLN.EEHealth	EE=External equipment, Health=Health	7-4 Ed2.1 (Draft)
608	ControlEquipmentInterfaceLN.EEName	EE=External equipment, Name=Name (reserved for use in data objects EEName and LNName only)	7-4 Ed2.1 (Draft)
609	ControlEquipmentInterfaceLN.OpTmh	Op=Operate, operating/Trip order to circuit-breaker, Tmh=Time in h	7-4 Ed2.1 (Draft)
610	ControlledLN		
611	ControlledLN.CmdBlk	Cmd=Command, Blk=Block, blocked	7-4 Ed2.1 (Draft)
612	ControlledLN.OpCntRs	Op=Operate, operating/Trip order to circuit-breaker, Cnt=Counter, Rs=Reset, resettable	7-4 Ed2.1 (Draft)
613	ControllingLN		
614	ControllingLN.Loc	Loc=Local	7-4 Ed2.1 (Draft)
615	ControllingLN.LocKey	Loc=Local, Key=Key, physical control device	7-4 Ed2.1 (Draft)
616	ControllingLN.LocSta	Loc=Local, Sta=Station, function at plant level	7-4 Ed2.1 (Draft)
617	Cor	Correction	7-420 Ed2 (Draft)
618	Cor	Correction	7-4 Ed2.1 (Draft)
619	Core	Core	7-420 Ed2 (Draft)
620	Core	Core	7-4 Ed2.1 (Draft)
621	Cost	Cost	7-420 Ed2 (Draft)
622	Cost	Cost	7-4 Ed2.1 (Draft)
623	CPOW	Point-on-wave switching	7-4 Ed2
624	CPOW.MaxDlTmms	Max=Maximum, Dl=Delay, Tmms=Time in ms	7-4 Ed2.1 (Draft)
625	CPOW.OpCls	Op=Operate, operating/Trip order to circuit-breaker, Cls=Close, closed	7-4 Ed2.1 (Draft)
626	CPOW.OpOpn	Op=Operate, operating/Trip order to circuit-breaker, Opn=Open, opened	7-4 Ed2.1 (Draft)
627	CPOW.Pos	Pos=Position	7-4 Ed2.1 (Draft)
628	CPOW.PosA	PosA=Position phase L1	7-4 Ed2.1 (Draft)
629	CPOW.PosB	PosB=Position phase L2	7-4 Ed2.1 (Draft)
630	CPOW.PosC	PosC=Position phase L3	7-4 Ed2.1 (Draft)
631	CPOW.StrPOW	Str=Start, POW=Point on wave switching	7-4 Ed2.1 (Draft)
632	CPOW.TmExc	Tm=Time, Exc=Exceeded	7-4 Ed2.1 (Draft)
633	CPU	Central Processing Unit	90-4 Ed1 (Draft)

634	Crank	Crank	7-420 Ed2 (Draft)
635	Crank	Crank	7-4 Ed2.1 (Draft)
636	CRC	Cyclic Redundancy Check	
637	Crd	Coordination	7-420 Ed2 (Draft)
638	Crd	Coordination	7-4 Ed2.1 (Draft)
639	Crit	Critical	7-420 Ed2 (Draft)
640	Crit	Critical	7-4 Ed2.1 (Draft)
641	Crl	Correlation	7-4 Ed2.1 (Draft)
642	Crp	Creeping, slow movement	7-4 Ed2.1 (Draft)
643	Crv	Curve	7-420 Ed2 (Draft)
644	crv	curve	7-3 Ed2.1 (Draft)
645	Crv	Curve	7-4 Ed2.1 (Draft)
646	CSD	Curve shape description	IEC 61850-7-3 Ed2
647	CSG	Curve shape setting	IEC 61850-7-3 Ed2
648	CSMA/CD	Carrier Sense Multiple Access/Collision Detection (Steuerung(sverfahren) für Vielfachzugriff mit Aktivitätsüberwachung und Kollisionserkennung)	
649	Csmp	Consumption, consumed	7-420 Ed2 (Draft)
650	Csmp	Consumption, consumed	7-4 Ed2.1 (Draft)
651	CSWI	Switch controller	7-4 Ed2
652	CSWI.OpCls	Op=Operate, operating/Trip order to circuit-breaker, Cls=Close, closed	7-4 Ed2.1 (Draft)
653	CSWI.OpOpn	Op=Operate, operating/Trip order to circuit-breaker, Opn=Open, opened	7-4 Ed2.1 (Draft)
654	CSWI.Pos	Pos=Position	7-4 Ed2.1 (Draft)
655	CSWI.PosA	PosA=Position phase L1	7-4 Ed2.1 (Draft)
656	CSWI.PosB	PosB=Position phase L2	7-4 Ed2.1 (Draft)
657	CSWI.PosC	PosC=Position phase L3	7-4 Ed2.1 (Draft)
658	CSWI.SelCls	Sel=Select, Cls=Close, closed	7-4 Ed2.1 (Draft)
659	CSWI.SelOpn	Sel=Select, Opn=Open, opened	7-4 Ed2.1 (Draft)
660	CSYN	Synchronizer controller	7-4 Ed2
661	CSYN.AccClc	Acc=Accuracy, Clc=Calculate, calculated	7-4 Ed2.1 (Draft)
662	CSYN.AccClcDev	Acc=Accuracy, Clc=Calculate, calculated, Dev=Device/Deviation	7-4 Ed2.1 (Draft)
663	CSYN.AdpAngDeg	Adp=Adapter, adaptation, Ang=Angle, Deg=Degrees	7-4 Ed2.1 (Draft)
664	CSYN.AngInd	Ang=Angle, Ind=Indication	7-4 Ed2.1 (Draft)

665	CSYN.Cmd	Cmd=Command	7-4 Ed2.1 (Draft)
666	CSYN.DeaBusVal	Dea=Dead, Bus=Bus, Val=Value	7-4 Ed2.1 (Draft)
667	CSYN.DeaLinVal	Dea=Dead, Lin=Line, Val=Value	7-4 Ed2.1 (Draft)
668	CSYN.DetSyn	Det=Detected, Syn=Synchronisation, synchronous, synchronism	7-4 Ed2.1 (Draft)
669	CSYN.DifAngClc	Dif=Differential, difference, Ang=Angle, Clc=Calculate, calculated	7-4 Ed2.1 (Draft)
670	CSYN.DifAngNg	Dif=Differential, difference, Ang=Angle, Ng=Negative	7-4 Ed2.1 (Draft)
671	CSYN.DifAngPs	Dif=Differential, difference, Ang=Angle, Ps=Positive	7-4 Ed2.1 (Draft)
672	CSYN.DifHzClc	Dif=Differential, difference, Hz=Frequency, Clc=Calculate, calculated	7-4 Ed2.1 (Draft)
673	CSYN.DifHzNg	Dif=Differential, difference, Hz=Frequency, Ng=Negative	7-4 Ed2.1 (Draft)
674	CSYN.DifHzPs	Dif=Differential, difference, Hz=Frequency, Ps=Positive	7-4 Ed2.1 (Draft)
675	CSYN.DifVClc	Dif=Differential, difference, V=Voltage, Clc=Calculate, calculated	7-4 Ed2.1 (Draft)
676	CSYN.DifVNg	Dif=Differential, difference, V=Voltage, Ng=Negative	7-4 Ed2.1 (Draft)
677	CSYN.DifVPs	Dif=Differential, difference, V=Voltage, Ps=Positive	7-4 Ed2.1 (Draft)
678	CSYN.DlSynTmms	Dl=Delay, Syn=Synchronisation, synchronous, synchronism, Tmms=Time in ms	7-4 Ed2.1 (Draft)
679	CSYN.DlTmms	Dl=Delay, Tmms=Time in ms	7-4 Ed2.1 (Draft)
680	CSYN.Hz1Clc	Hz1=Frequency at side 1, Clc=Calculate, calculated	7-4 Ed2.1 (Draft)
681	CSYN.Hz2Clc	Hz2=Frequency at side 2, Clc=Calculate, calculated	7-4 Ed2.1 (Draft)
682	CSYN.HzAdj	Hz=Frequency, Adj=Adjustment	7-4 Ed2.1 (Draft)
683	CSYN.HzChr	Hz=Frequency, Chr=Characteristic	7-4 Ed2.1 (Draft)
684	CSYN.HzInd	Hz=Frequency, Ind=Indication	7-4 Ed2.1 (Draft)
685	CSYN.HzIntvTmms	Hz=Frequency, Intv=Interval, Tmms=Time in ms	7-4 Ed2.1 (Draft)
686	CSYN.HzNom	Hz=Frequency, Nom=Nominal, normalising	7-4 Ed2.1 (Draft)
687	CSYN.HzTgtVal	Hz=Frequency, Tgt=Target, Val=Value	7-4 Ed2.1 (Draft)
688	CSYN.KckPls	Kck=Kicker, Pls=Pulse	7-4 Ed2.1 (Draft)
689	CSYN.LHz	L=Lower (action), Hz=Frequency	7-4 Ed2.1 (Draft)
690	CSYN.LivBusVal	Liv=Live, Bus=Bus, Val=Value	7-4 Ed2.1 (Draft)
691	CSYN.LivDeaMod	Liv=Live, Dea=Dead, Mod=Mode	7-4 Ed2.1 (Draft)
692	CSYN.LivLinVal	Liv=Live, Lin=Line, Val=Value	7-4 Ed2.1 (Draft)
693	CSYN.LV	L=Lower (action), V=Voltage	7-4 Ed2.1 (Draft)
694	CSYN.MaxHzTmms	Max=Maximum, Hz=Frequency, Tmms=Time in ms	7-4 Ed2.1 (Draft)
695	CSYN.MaxVSyn	Max=Maximum, V=Voltage, Syn=Synchronisation, synchronous, synchronism	7-4 Ed2.1 (Draft)
696	CSYN.MaxVTmms	Max=Maximum, V=Voltage, Tmms=Time in ms	7-4 Ed2.1 (Draft)
697	CSYN.MinHzTmms	Min=Minimum, Hz=Frequency, Tmms=Time in ms	7-4 Ed2.1 (Draft)

698	CSYN.MinVSyn	Min=Minimum, V=Voltage, Syn=Synchronisation, synchronous, synchronism	7-4 Ed2.1 (Draft)
699	CSYN.MinVTmms	Min=Minimum, V=Voltage, Tmms=Time in ms	7-4 Ed2.1 (Draft)
700	CSYN.MltCmd	Mlt=Multiplier, multiple, Cmd=Command	7-4 Ed2.1 (Draft)
701	CSYN.OpModSyn	Op=Operate, operating/Trip order to circuit-breaker, Mod=Mode, Syn=Synchronisation, synchronous, synchronism	7-4 Ed2.1 (Draft)
702	CSYN.Rel	Rel=Release	7-4 Ed2.1 (Draft)
703	CSYN.RelDeaBus	Rel=Release, Dea=Dead, Bus=Bus	7-4 Ed2.1 (Draft)
704	CSYN.RHz	R=Raise, increase, Hz=Frequency	7-4 Ed2.1 (Draft)
705	CSYN.RotDir	Rot=Rotation, rotor, Dir=Direction	7-4 Ed2.1 (Draft)
706	CSYN.RV	R=Raise, increase, V=Voltage	7-4 Ed2.1 (Draft)
707	CSYN.SynPrg	Syn=Synchronisation, synchronous, synchronism, Prg=Progress, in progress	7-4 Ed2.1 (Draft)
708	CSYN.TotTmms	Tot=Total, Tmms=Time in ms	7-4 Ed2.1 (Draft)
709	CSYN.V1Clc	V1=Voltage at side 1, Clc=Calculate, calculated	7-4 Ed2.1 (Draft)
710	CSYN.V2Clc	V2=Voltage at side 2, Clc=Calculate, calculated	7-4 Ed2.1 (Draft)
711	CSYN.VAdj	V=Voltage, Adj=Adjustment	7-4 Ed2.1 (Draft)
712	CSYN.VAdpFact	V=Voltage, Adp=Adapter, adaptation, Fact=Factor	7-4 Ed2.1 (Draft)
713	CSYN.VChr	V=Voltage, Chr=Characteristic	7-4 Ed2.1 (Draft)
714	CSYN.VInd	V=Voltage, Ind=Indication	7-4 Ed2.1 (Draft)
715	CSYN.VIntvTmms	V=Voltage, Intv=Interval, Tmms=Time in ms	7-4 Ed2.1 (Draft)
716	CSYN.VNom	V=Voltage, Nom=Nominal, normalising	7-4 Ed2.1 (Draft)
717	CT	Current Transformer (Stromwandler)	IEC 61850-9-2
718	CT	Current transformer	IEC 61850-7-1 Ed2
719	CT	current transformer	IEC 61850-7-2 Ed2
720	CT	current transducer / transformer	7-4 Ed2.1 (Draft)
721	CT	Current Transformer	90-5 Ed1
722	CT	Current Transformer (for measurement)	90-4 Ed1 (Draft)
723	Ctl	Control	7-420 Ed2 (Draft)
724	ctl	control	7-3 Ed2.1 (Draft)
725	Ctl	Control	7-4 Ed2.1 (Draft)
726	Ctr	Center	7-420 Ed2 (Draft)
727	Ctr	Center	7-4 Ed2.1 (Draft)
728	CUG	Currency setting group	IEC 61850-7-3 Ed2
729	Cur	Current	7-420 Ed2 (Draft)

730	cur	currency	7-3 Ed2.1 (Draft)
731	Cur	Current	7-4 Ed2.1 (Draft)
732	CURE	Setting curve	IEC 61850-7-3 Ed2
733	CurrentProtectionLN		
734	CurrentProtectionLN.MaxOpTmms	Max=Maximum, Op=Operate, operating/Trip order to circuit-breaker, Tmms=Time in ms	7-4 Ed2.1 (Draft)
735	CurrentProtectionLN.MinOpTmms	Min=Minimum, Op=Operate, operating/Trip order to circuit-breaker, Tmms=Time in ms	7-4 Ed2.1 (Draft)
736	CurrentProtectionLN.Op	Op=Operate, operating/Trip order to circuit-breaker	7-4 Ed2.1 (Draft)
737	CurrentProtectionLN.OpDlTmms	Op=Operate, operating/Trip order to circuit-breaker, Dl=Delay, Tmms=Time in ms	7-4 Ed2.1 (Draft)
738	CurrentProtectionLN.RsDlTmms	Rs=Reset, resettable, Dl=Delay, Tmms=Time in ms	7-4 Ed2.1 (Draft)
739	CurrentProtectionLN.Str	Str=Start	7-4 Ed2.1 (Draft)
740	CurrentProtectionLN.TmAChr	Tm=Time, A=Current, Chr=Characteristic	7-4 Ed2.1 (Draft)
741	CurrentProtectionLN.TmACrv	y = f(x), where x = A...	7-4 Ed2.1 (Draft)
742	CurrentProtectionLN.TmASt	Tm=Time, A=Current, St=Status, state	7-4 Ed2.1 (Draft)
743	CurrentProtectionLN.TmMult	Tm=Time, Mult=Multiplier	7-4 Ed2.1 (Draft)
744	CurrentProtectionLN.TypRsCrv	Typ=Type, Rs=Reset, resettable, Crv=Curve	7-4 Ed2.1 (Draft)
745	Cut	Cut, cut-out, cut-in	7-420 Ed2 (Draft)
746	Cut	Cut, cut-out, cut-in	7-4 Ed2.1 (Draft)
747	cVal	complex value	7-3 Ed2.1 (Draft)
748	Cvr	Cover, cover level	7-420 Ed2 (Draft)
749	Cvr	Cover, cover level	7-4 Ed2.1 (Draft)
750	Cw	Clockwise	7-420 Ed2 (Draft)
751	Cw	Clockwise	7-4 Ed2.1 (Draft)
752	Cwb	Crowbar	7-4 Ed2.1 (Draft)
753	Cyc	Cycle	7-420 Ed2 (Draft)
754	cyc	cycle	7-3 Ed2.1 (Draft)
755	Cyc	Cycle	7-4 Ed2.1 (Draft)
756	D	Derivate	7-420 Ed2 (Draft)
757	d	description	7-3 Ed2.1 (Draft)
758	D	Derivate	7-4 Ed2.1 (Draft)
759	DA	data attribute	IEC 61850-7-2 Ed2
760	DA	Data archiver	90-5 Ed1
761	DAI	Instantiated Data Attribute	IEC 61850-6 Ed2

762	DAI	Instantiated Data Attribute	6 Ed2
763	Dam	Dam	7-4 Ed2.1 (Draft)
764	Damp	Damping	7-420 Ed2 (Draft)
765	Damp	Damping	7-4 Ed2.1 (Draft)
766	DAN	IEC 62439 -1 :2012	90-4 Ed1 (Draft)
767	DANH	IEC 62439-3:2012	90-4 Ed1 (Draft)
768	DANN	Dynamic Namespace Attribute	
769	DANP	IEC 62439-3:2012	90-4 Ed1 (Draft)
770	DANR	Doubly Attached Node using RSTP	90-4 Ed1 (Draft)
771	data	data	7-3 Ed2.1 (Draft)
772	DataRef	data reference	IEC 61850-7-2 Ed2
773	Date	Date, date and time of action	7-4 Ed2.1 (Draft)
774	DatSet	DataSet Reference in Control Block	IEC 61850-7-2
775	Day	Day	7-420 Ed2 (Draft)
776	day	day	7-3 Ed2.1 (Draft)
777	Day	Day	7-4 Ed2.1 (Draft)
778	Db	Deadband	7-420 Ed2 (Draft)
779	db	dead band	7-3 Ed2.1 (Draft)
780	Db	Deadband	7-4 Ed2.1 (Draft)
781	DBAT		
782	DBAT.AhrRtg	Ahr=Ampere hours, Rtg=Rating	7-420 Ed2 (Draft)
783	DBAT.Amp	Amp=Ampere, current non-phase-related AC	7-420 Ed2 (Draft)
784	DBAT.BatOn	Bat=Battery, On=On, device applied, running	7-420 Ed2 (Draft)
785	DBAT.BatParCnt	Bat=Battery, Par=Parallel, Cnt=Counter	7-420 Ed2 (Draft)
786	DBAT.BatSerCnt	Bat=Battery, Ser=Series, serial, Cnt=Counter	7-420 Ed2 (Draft)
787	DBAT.BatSt	on	7-420 Ed2 (Draft)
788	DBAT.BatTest	Bat=Battery, Test=Test	7-420 Ed2 (Draft)
789	DBAT.BatTestRsl	Bat=Battery, Test=Test, Rsl=Result	7-420 Ed2 (Draft)
790	DBAT.BatTyp	Bat=Battery, Typ=Type	7-420 Ed2 (Draft)
791	DBAT.BatVHi	high or overcharged	7-420 Ed2 (Draft)
792	DBAT.BatVLo	low or undercharged	7-420 Ed2 (Draft)
793	DBAT.BatVNom	Bat=Battery, V=Voltage, Nom=Nominal, normalising	7-420 Ed2 (Draft)
794	DBAT.DschCrv	Dsch=Discharge, Crv=Curve	7-420 Ed2 (Draft)
795	DBAT.DschRte	Dsch=Discharge, Rte=Rate	7-420 Ed2 (Draft)
796	DBAT.DschTm	Dsch=Discharge, Tm=Time	7-420 Ed2 (Draft)

797	DBAT.HiBatVAlm	Hi=High, highest, Bat=Battery, V=Voltage, Alm=Alarm	7-420 Ed2 (Draft)
798	DBAT.InteBatA	Inte=Internal, Bat=Battery, A=Current	7-420 Ed2 (Draft)
799	DBAT.InteBatTmp	Inte=Internal, Bat=Battery, Tmp=Temperature (°C)	7-420 Ed2 (Draft)
800	DBAT.InteBatV	Inte=Internal, Bat=Battery, V=Voltage	7-420 Ed2 (Draft)
801	DBAT.LoBatVAlm	Lo=Low (state or value), Bat=Battery, V=Voltage, Alm=Alarm	7-420 Ed2 (Draft)
802	DBAT.MaxBatA	Max=Maximum, Bat=Battery, A=Current	7-420 Ed2 (Draft)
803	DBAT.MaxBatV	Max=Maximum, Bat=Battery, V=Voltage	7-420 Ed2 (Draft)
804	DBAT.MinAhrRtg	Min=Minimum, Ahr=Ampere hours, Rtg=Rating	7-420 Ed2 (Draft)
805	DBAT.Vol	Vol=Voltage non-phase-related AC	7-420 Ed2 (Draft)
806	DBAT.VolChgRte	Vol=Voltage non-phase-related AC, Chg=Change, Rte=Rate	7-420 Ed2 (Draft)
807	DBTC		
808	DBTC.BatChaMod	Bat=Battery, Cha=Charger, Mod=Mode	7-420 Ed2 (Draft)
809	DBTC.BatChaPwr	Bat=Battery, Cha=Charger, Pwr=Power	7-420 Ed2 (Draft)
810	DBTC.BatChaSt	Bat=Battery, Cha=Charger, St=Status, state	7-420 Ed2 (Draft)
811	DBTC.BatChaTyp	Bat=Battery, Cha=Charger, Typ=Type	7-420 Ed2 (Draft)
812	DBTC.ChaA	Cha=Charger, A=Current	7-420 Ed2 (Draft)
813	DBTC.ChaCrv	Cha=Charger, Crv=Curve	7-420 Ed2 (Draft)
814	DBTC.ChaCrvTm	Cha=Charger, Crv=Curve, Tm=Time	7-420 Ed2 (Draft)
815	DBTC.ChaTms	Cha=Charger, Tms=Time in s	7-420 Ed2 (Draft)
816	DBTC.ChaV	Cha=Charger, V=Voltage	7-420 Ed2 (Draft)
817	DBTC.ReChaRte	Re=Retry, Cha=Charger, Rte=Rate	7-420 Ed2 (Draft)
818	DC	DC, direct current	7-420 Ed2 (Draft)
819	DC	description	7-3 Ed2.1 (Draft)
820	DC	DC, direct current	7-4 Ed2.1 (Draft)
821	DCCT	DER economic dispatch parameters	7-420 Ed2
822	DCCT.Ccy	Ccy=Currency	7-420 Ed2 (Draft)
823	DCCT.CnttAnc	Cntt=Contractual, Anc=Ancillary	7-420 Ed2 (Draft)
824	DCCT.CnttExptWLim	Cntt=Contractual, Expt=Export, W=Active power, Lim=Limit	7-420 Ed2 (Draft)
825	DCCT.CnttHiV	Cntt=Contractual, Hi=High, highest, V=Voltage	7-420 Ed2 (Draft)
826	DCCT.CnttImptWLim	Cntt=Contractual, Impt=Import, W=Active power, Lim=Limit	7-420 Ed2 (Draft)
827	DCCT.CnttLoV	Cntt=Contractual, Lo=Low (state or value), V=Voltage	7-420 Ed2 (Draft)
828	DCCT.CnttPF	Cntt=Contractual, PF=Power factor	7-420 Ed2 (Draft)
829	DCCT.CRteCost	C=Carbon, Rte=Rate, Cost=Cost	7-420 Ed2 (Draft)
830	DCCT.HeatRteCost	Heat=Heater, heating, heat (see also Ht), Rte=Rate, Cost=Cost	7-420 Ed2 (Draft)
831	DCCT.OpCost	Op=Operate, operating/Trip order to circuit-breaker, Cost=Cost	7-420 Ed2 (Draft)

832	DCCT.OpWCost	Op=Operate, operating/Trip order to circuit-breaker, W=Active power, Cost=Cost	7-420 Ed2 (Draft)
833	DCCT.RampCost	Ramp=Ramp, Cost=Cost	7-420 Ed2 (Draft)
834	DCCT.StopCost	Stop=Stop, Cost=Cost	7-420 Ed2 (Draft)
835	DCCT.StrCost	Str=Start, Cost=Cost	7-420 Ed2 (Draft)
836	DCHB	Boiler	7-420 Ed2
837	DCHB.BoilCtl	True = Start; False = Stop	7-420 Ed2 (Draft)
838	DCHB.BoilDnReg	Boil=Boiler, Dn=Down, downstream, Reg=Regulation	7-420 Ed2 (Draft)
839	DCHB.BoilRdy	True = ready	7-420 Ed2 (Draft)
840	DCHB.BoilTyp	Boil=Boiler, Typ=Type	7-420 Ed2 (Draft)
841	DCHB.BoilWh	Boil=Boiler, Wh=Watt hours	7-420 Ed2 (Draft)
842	DCHC	CHP system controller	7-420 Ed2
843	DCHC.CHPOpMod	C=Carbon, HP=Hot point, Op=Operate, operating/Trip order to circuit-breaker, Mod=Mode	7-420 Ed2 (Draft)
844	DCHC.ClTyp	Cl=Cooling, coolant, cooling system (see also CE), Typ=Type	7-420 Ed2 (Draft)
845	DCHC.EnCnvTyp	En=Energy, Cnv=Converter, Typ=Type	7-420 Ed2 (Draft)
846	DCHC.FuelTyp	Fuel=Fuel, Typ=Type	7-420 Ed2 (Draft)
847	DCHC.GnTyp	Gn=Generator, Typ=Type	7-420 Ed2 (Draft)
848	DCHC.HeatPwrEfc	Heat=Heater, heating, heat (see also Ht), Pwr=Power, Efc=Efficiency	7-420 Ed2 (Draft)
849	DCHC.HeatTyp	Heat=Heater, heating, heat (see also Ht), Typ=Type	7-420 Ed2 (Draft)
850	DCHC.MaxHeatCap	Max=Maximum, Heat=Heater, heating, heat (see also Ht), Cap=Capability, capacity	7-420 Ed2 (Draft)
851	dchg	data change trigger option	IEC 61850-7-2 Ed2
852	dchg	trigger option for data-change	IEC 61850-7-3 Ed2
853	dchg	trigger option for data-change	7-3 Ed2.1 (Draft)
854	DCIP	Reciprocating Engine	7-420 Ed2
855	DCIP.BlowFlw	Blow=Blowby, Flw=Flow, flowing	7-420 Ed2 (Draft)
856	DCIP.CrankCtl	Crank=Crank, Ctl=Control	7-420 Ed2 (Draft)
857	DCIP.DiagEna	Diag=Diagnostics, Ena=Enabled, enable, allow operation	7-420 Ed2 (Draft)
858	DCIP.EmgCtl	Emg=Emergency, Ctl=Control	7-420 Ed2 (Draft)
859	DCIP.EngCtl	Eng=Engine, Ctl=Control	7-420 Ed2 (Draft)
860	DCIP.EngOnOff	Eng=Engine, On=On, device applied, running, Off=Off, device disengaged, not running	7-420 Ed2 (Draft)
861	DCIP.EngRPM	Eng=Engine, R=Raise, increase, P=Proportional, M=Minutes	7-420 Ed2 (Draft)
862	DCIP.EngTmDeg	Eng=Engine, Tm=Time, Deg=Degrees	7-420 Ed2 (Draft)

863	DCIP.EngTrq	Eng=Engine, Trq=Torque	7-420 Ed2 (Draft)
864	DCIP.EngTrqSet	Eng=Engine, Trq=Torque, Set=Setting	7-420 Ed2 (Draft)
865	DCIP.HeatRteCrv	Heat=Heater, heating, heat (see also Ht), Rte=Rate, Crv=Curve	7-420 Ed2 (Draft)
866	DCIP.MaxSpd	Max=Maximum, Spd=Speed	7-420 Ed2 (Draft)
867	DCIP.MinSpd	Min=Minimum, Spd=Speed	7-420 Ed2 (Draft)
868	DCIP.TrgSpd	Trg=Trigger, Spd=Speed	7-420 Ed2 (Draft)
869	Dcl	DC-link	7-420 Ed2 (Draft)
870	Dcl	DC-link	7-4 Ed2.1 (Draft)
871	DCRP	DER plant corporate characteristics at the ECP	7-420 Ed2
872	DCRP.PlOblBck	Pl=Plant, Obl=Obligation, Bck=Backup	7-420 Ed2 (Draft)
873	DCRP.PlOblEm	Pl=Plant, Obl=Obligation, Em=Emission	7-420 Ed2 (Draft)
874	DCRP.PlOblMan	Pl=Plant, Obl=Obligation, Man=Manual	7-420 Ed2 (Draft)
875	DCRP.PlOblMrk	Pl=Plant, Obl=Obligation, Mrk=Market	7-420 Ed2 (Draft)
876	DCRP.PlOblSelf	Pl=Plant, Obl=Obligation, Self=Self	7-420 Ed2 (Draft)
877	DCRP.PlOblUtil	Pl=Plant, Obl=Obligation, Util=Utility	7-420 Ed2 (Draft)
878	DCST	Generator cost	7-420 Ed2
879	DCST.Ccy	Ccy=Currency	7-420 Ed2 (Draft)
880	DCST.CostRamp	Cost=Cost, Ramp=Ramp	7-420 Ed2 (Draft)
881	DCST.CostStop	Cost=Cost, Stop=Stop	7-420 Ed2 (Draft)
882	DCST.CostStr	Cost=Cost, Str=Start	7-420 Ed2 (Draft)
883	DCST.HeatRteAct	Heat=Heater, heating, heat (see also Ht), Rte=Rate, Act=Action, activity, active, activate	7-420 Ed2 (Draft)
884	DCST.HeatRteCost	Heat=Heater, heating, heat (see also Ht), Rte=Rate, Cost=Cost	7-420 Ed2 (Draft)
885	Dct	Direct	7-420 Ed2 (Draft)
886	Dct	Direct	7-4 Ed2.1 (Draft)
887	DCTS	Thermal storage	7-420 Ed2
888	DCTS.ThmCapPct	Thm=Thermal, Cap=Capability, capacity, Pct=Percent, percentage	7-420 Ed2 (Draft)
889	DCTS.ThmCapTot	Thm=Thermal, Cap=Capability, capacity, Tot=Total	7-420 Ed2 (Draft)
890	DCTS.ThmIn	Thm=Thermal, In=Input	7-420 Ed2 (Draft)
891	DCTS.ThmLos	Thm=Thermal, Los=Loss	7-420 Ed2 (Draft)
892	DCTS.ThmOut	Thm=Thermal, Out=Output	7-420 Ed2 (Draft)
893	DCTS.ThmOutEst	Thm=Thermal, Out=Output, Est=Estimated	7-420 Ed2 (Draft)
894	DCTS.ThmStoTyp	Thm=Thermal, Sto=Storage, e.g. activity of storing data, Typ=Type	7-420 Ed2 (Draft)
895	Dea	Dead	7-420 Ed2 (Draft)
896	Dea	Dead	7-4 Ed2.1 (Draft)

897	Dec	Decrease	7-420 Ed2 (Draft)
898	Dec	Decrease	7-4 Ed2.1 (Draft)
899	DEEV		
900	DEEV.AMax	A=Current, Max=Maximum	7-420 Ed2 (Draft)
901	DEEV.AMin	A=Current, Min=Minimum	7-420 Ed2 (Draft)
902	DEEV.ConnTypSel	Conn=Connected, connections, Typ=Type, Sel=Select	7-420 Ed2 (Draft)
903	DEEV.DptTm	Dpt=Departure, Tm=Time	7-420 Ed2 (Draft)
904	DEEV.EnAmnt	En=Energy, Amnt=Amount	7-420 Ed2 (Draft)
905	DEEV.EVNam	EV=Electrical Vehicle, Nam=Name	7-420 Ed2 (Draft)
906	DEEV.Soc	Soc=State of charge	7-420 Ed2 (Draft)
907	DEEV.VMax	V=Voltage, Max=Maximum	7-420 Ed2 (Draft)
908	Deg	Degrees	7-420 Ed2 (Draft)
909	Deg	Degrees	7-4 Ed2.1 (Draft)
910	Dehum	De-humidifier	7-420 Ed2 (Draft)
911	Dehum	De-humidifier	7-4 Ed2.1 (Draft)
912	DEL	Common Data Class Delta (Messwert zwischen zwei Außenleitern eines Dreileitersystems)	
913	DEL	Phase to phase related measured values of a three-phase system	IEC 61850-7-3 Ed2
914	Del	Delta	7-420 Ed2 (Draft)
915	Del	Delta	7-4 Ed2.1 (Draft)
916	Den	Density	7-420 Ed2 (Draft)
917	Den	Density	7-4 Ed2.1 (Draft)
918	DEOL		
919	DEOL.CabRtg	Cab=Cable, Rtg=Rating	7-420 Ed2 (Draft)
920	DEOL.ChaAMax	Cha=Charger, A=Current, Max=Maximum	7-420 Ed2 (Draft)
921	DEOL.ChaARtg	Cha=Charger, A=Current, Rtg=Rating	7-420 Ed2 (Draft)
922	DEOL.ConnSt	Conn=Connected, connections, St=Status, state	7-420 Ed2 (Draft)
923	DEOL.ConnTypDC	Conn=Connected, connections, Typ=Type, DC=DC, direct current	7-420 Ed2 (Draft)
924	DEOL.ConnTypPh1	Conn=Connected, connections, Typ=Type, Ph=Phase to reference, 1=?	7-420 Ed2 (Draft)
925	DEOL.ConnTypPh2	Conn=Connected, connections, Typ=Type, Ph=Phase to reference, 2=?	7-420 Ed2 (Draft)
926	DEOL.ConnTypPh3	Conn=Connected, connections, Typ=Type, Ph=Phase to reference, 3=?	7-420 Ed2 (Draft)
927	DEOL.DigComm	Dig=Digital, Comm=Communication	7-420 Ed2 (Draft)
928	DEOL.PlgSt	Plg=Plug, St=Status, state	7-420 Ed2 (Draft)
929	Dep	Dependent	7-420 Ed2 (Draft)
930	Dep	Dependent	7-4 Ed2.1 (Draft)

931	DER	Distributed Energy Resources (distributed generation and storage), such as small turbinegenerators, photovoltaic systems, fuel cells, battery power systems, etc.	IEC 61850-7-420
932	DER	Distributed energy resource	7-420 Ed2 (Draft)
933	DER	Distributed energy resource	7-4 Ed2.1 (Draft)
934	DER/ADA	Architecture Project: Brief name for CEIDS project on Open Communication Architecture for Distributed Energy Resources in ADA	
935	DESE		
936	DESE.ChaPwrRtg	Cha=Charger, Pwr=Power, Rtg=Rating	7-420 Ed2 (Draft)
937	DESE.EVSENam	EVSE=EV Supply Equipment, Nam=Name	7-420 Ed2 (Draft)
938	Det	Detected	7-420 Ed2 (Draft)
939	Det	Detected	7-4 Ed2.1 (Draft)
940	Detun	Detuning	7-420 Ed2 (Draft)
941	Detun	Detuning	7-4 Ed2.1 (Draft)
942	Dev	Device	7-420 Ed2 (Draft)
943	Dev	Device	7-4 Ed2.1 (Draft)
944	Dew	Dew	7-420 Ed2 (Draft)
945	Dew	Dew	7-4 Ed2.1 (Draft)
946	DEXC	Excitation	7-420 Ed2
947	DEXC.ACAlm	AC=AC, alternating current, Alm=Alarm	7-420 Ed2 (Draft)
948	DEXC.BlkA	Blk=Block, blocked, A=Current	7-420 Ed2 (Draft)
949	DEXC.BlkV	Blk=Block, blocked, V=Voltage	7-420 Ed2 (Draft)
950	DEXC.DCAlm	DC=DC, direct current, Alm=Alarm	7-420 Ed2 (Draft)
951	DEXC.DroopV	Droop=Droop, V=Voltage	7-420 Ed2 (Draft)
952	DEXC.ExtCeilA	Ext=Excitation/External, Ceil=Ceiling, A=Current	7-420 Ed2 (Draft)
953	DEXC.ExtCeilV	Ext=Excitation/External, Ceil=Ceiling, V=Voltage	7-420 Ed2 (Draft)
954	DEXC.ExtGain	Ext=Excitation/External, Gain=Gain	7-420 Ed2 (Draft)
955	DEXC.ExtVDurTms	Ext=Excitation/External, V=Voltage, Dur=Duration, Tms=Time in s	7-420 Ed2 (Draft)
956	DEXC.ExtVTms	Ext=Excitation/External, V=Voltage, Tms=Time in s	7-420 Ed2 (Draft)
957	DEXC.FlshAlm	Flsh=Flash, flashing, Alm=Alarm	7-420 Ed2 (Draft)
958	DEXC.GenExt	Gen=General, Ext=Excitation/External	7-420 Ed2 (Draft)
959	DEXC.MaxHiVLim	Max=Maximum, Hi=High, highest, V=Voltage, Lim=Limit	7-420 Ed2 (Draft)
960	DEXC.MaxLoVLim	Max=Maximum, Lo=Low (state or value), V=Voltage, Lim=Limit	7-420 Ed2 (Draft)
961	DEXC.PhLdComp	Ph=Phase to reference, Ld=Lead, Comp=Compensation	7-420 Ed2 (Draft)
962	DEXC.PwrStab	Pwr=Power, Stab=Stabilizer	7-420 Ed2 (Draft)

963	DEXC.PwrSupAlm	Pwr=Power, Sup=Supply, Alm=Alarm	7-420 Ed2 (Draft)
964	DEXC.SetV	Set=Setting, V=Voltage	7-420 Ed2 (Draft)
965	DEXC.StabGain	Stab=Stabilizer, Gain=Gain	7-420 Ed2 (Draft)
966	DEXC.StabSigWash	Stab=Stabilizer, Sig=Signal, Wash=Washout	7-420 Ed2 (Draft)
967	DEXC.UPSAlm	UPS=Uninterruptible power supply, Alm=Alarm	7-420 Ed2 (Draft)
968	DExt	De-excitation	7-420 Ed2 (Draft)
969	DExt	De-excitation	7-4 Ed2.1 (Draft)
970	DFCL	Fuel cell controller	7-420 Ed2
971	DFCL.ALim	A=Current, Lim=Limit	7-420 Ed2 (Draft)
972	DFCL.ConnGriCnt	Conn=Connected, connections, Gri=Grid, Cnt=Counter	7-420 Ed2 (Draft)
973	DFCL.EfcPct	Efc=Efficiency, Pct=Percent, percentage	7-420 Ed2 (Draft)
974	DFCL.EmgCtl	Emg=Emergency, Ctl=Control	7-420 Ed2 (Draft)
975	DFCL.FuelCsmp	Fuel=Fuel, Csmp=Consumption, consumed	7-420 Ed2 (Draft)
976	DFCL.FuelStop	Fuel=Fuel, Stop=Stop	7-420 Ed2 (Draft)
977	DFCL.FuelTyp	Fuel=Fuel, Typ=Type	7-420 Ed2 (Draft)
978	DFCL.GriDepRtg	Gri=Grid, Dep=Dependent, Rtg=Rating	7-420 Ed2 (Draft)
979	DFCL.GriIndpWRtg	Gri=Grid, Indp=Independent, W=Active power, Rtg=Rating	7-420 Ed2 (Draft)
980	DFCL.HzRtg	Hz=Frequency, Rtg=Rating	7-420 Ed2 (Draft)
981	DFCL.InOxFlwRte	In=Input, Ox=Oxidant, Flw=Flow, flowing, Rte=Rate	7-420 Ed2 (Draft)
982	DFCL.InstEfcPct	Inst=Instantaneous, Efc=Efficiency, Pct=Percent, percentage	7-420 Ed2 (Draft)
983	DFCL.LifeEfcPct	Life=Lifetime, Efc=Efficiency, Pct=Percent, percentage	7-420 Ed2 (Draft)
984	DFCL.LifeWh	Life=Lifetime, Wh=Watt hours	7-420 Ed2 (Draft)
985	DFCL.MaintTms	seconds	7-420 Ed2 (Draft)
986	DFCL.OpTms	Op=Operate, operating/Trip order to circuit-breaker, Tms=Time in s	7-420 Ed2 (Draft)
987	DFCL.OutH2Lev	Out=Output, H2=Hydrogen, Lev=Level	7-420 Ed2 (Draft)
988	DFCL.OutH2Rte	Out=Output, H2=Hydrogen, Rte=Rate	7-420 Ed2 (Draft)
989	DFCL.StrCnt	Str=Start, Cnt=Counter	7-420 Ed2 (Draft)
990	DFCL.VLim	V=Voltage, Lim=Limit	7-420 Ed2 (Draft)
991	DFCL.VRtg	V=Voltage, Rtg=Rating	7-420 Ed2 (Draft)
992	DFCL.WtrCndct	Wtr=Water, Cndct=Conductivity	7-420 Ed2 (Draft)
993	DFCL.WtrCsmp	Wtr=Water, Csmp=Consumption, consumed	7-420 Ed2 (Draft)
994	DFCL.WtrLev	Wtr=Water, Lev=Level	7-420 Ed2 (Draft)
995	Dff	Diffuse	7-420 Ed2 (Draft)
996	Dff	Diffuse	7-4 Ed2.1 (Draft)
997	Dfl	Deflector (used in Pelton turbines)	7-4 Ed2.1 (Draft)

998	DFLV	Fuel delivery system	7-420 Ed2
999	DFLV.EngFuelRte	Eng=Engine, Fuel=Fuel, Rte=Rate	7-420 Ed2 (Draft)
1000	DFLV.FuelDelTyp	Fuel=Fuel, Del=Delta, Typ=Type	7-420 Ed2 (Draft)
1001	DFLV.FuelRalA	Fuel=Fuel, Ral=Rail, A=Current	7-420 Ed2 (Draft)
1002	DFLV.FuelRalPres	Fuel=Fuel, Ral=Rail, Pres=Pressure	7-420 Ed2 (Draft)
1003	DFLV.FuelSt	on	7-420 Ed2 (Draft)
1004	DFLV.FuelStop	Fuel=Fuel, Stop=Stop	7-420 Ed2 (Draft)
1005	DFLV.FuelStr	Fuel=Fuel, Str=Start	7-420 Ed2 (Draft)
1006	DFLV.InFuelRte	In=Input, Fuel=Fuel, Rte=Rate	7-420 Ed2 (Draft)
1007	DFLV.InFuelTmp	In=Input, Fuel=Fuel, Tmp=Temperature (°C)	7-420 Ed2 (Draft)
1008	DFLV.OutFuelRte	Out=Output, Fuel=Fuel, Rte=Rate	7-420 Ed2 (Draft)
1009	DFLV.OutFuelTmp	Out=Output, Fuel=Fuel, Tmp=Temperature (°C)	7-420 Ed2 (Draft)
1010	DFLV.PmpActrA	Pmp=Pump, Actr=Actuator, A=Current	7-420 Ed2 (Draft)
1011	DFLV.TmPres	Tm=Time, Pres=Pressure	7-420 Ed2 (Draft)
1012	DFLV.TmRalActrA1	Tm=Time, Ral=Rail, Actr=Actuator, A=Current, 1=?	7-420 Ed2 (Draft)
1013	DFLV.TmRalActrA2	Tm=Time, Ral=Rail, Actr=Actuator, A=Current, 2=?	7-420 Ed2 (Draft)
1014	DFPM	Fuel processing module	7-420 Ed2
1015	DFPM.CnvEfc	Cnv=Converter, Efc=Efficiency	7-420 Ed2 (Draft)
1016	DFPM.FPMSt	F=Float, P=Proportional, M=Minutes, St=Status, state	7-420 Ed2 (Draft)
1017	DFPM.InAccmWh	In=Input, Accm=Accumulated, Wh=Watt hours	7-420 Ed2 (Draft)
1018	DFPM.InFuelTyp	In=Input, Fuel=Fuel, Typ=Type	7-420 Ed2 (Draft)
1019	DFPM.OutAccmWh	Out=Output, Accm=Accumulated, Wh=Watt hours	7-420 Ed2 (Draft)
1020	DFPM.OutFuelTyp	e.g. Hydrogen, Reformate	7-420 Ed2 (Draft)
1021	DFPM.ProcTyp	Proc=Process, Typ=Type	7-420 Ed2 (Draft)
1022	DFPM.ThmRtg	Thm=Thermal, Rtg=Rating	7-420 Ed2 (Draft)
1023	DGEN	DER unit generator	7-420 Ed2
1024	DGEN.AVRPct	A=Current, V=Voltage, R=Raise, increase, Pct=Percent, percentage	7-420 Ed2 (Draft)
1025	DGEN.DCPwrSt	DC=DC, direct current, Pwr=Power, St=Status, state	7-420 Ed2 (Draft)
1026	DGEN.EnPer	En=Energy, Per=Periodic, period	7-420 Ed2 (Draft)
1027	DGEN.EnTot	En=Energy, Tot=Total	7-420 Ed2 (Draft)
1028	DGEN.GnBlk	True = blocked from being turned on	7-420 Ed2 (Draft)
1029	DGEN.GnClDnTm	Gn=Generator, Cl=Cooling, coolant, cooling system (see also CE), Dn=Down, downstream, Tm=Time	7-420 Ed2 (Draft)
1030	DGEN.GnCtl	Start = True, Stop = False, other states indicate...	7-420 Ed2 (Draft)
1031	DGEN.GnH	Gn=Generator, H=Harmonics (phase-related)	7-420 Ed2 (Draft)

1032	DGEN.GnOnCnt	count of ôgenerator o...	7-420 Ed2 (Draft)
1033	DGEN.GnOpSt	Gn=Generator, Op=Operate, operating/Trip order to circuit-breaker, St=Status, state	7-420 Ed2 (Draft)
1034	DGEN.GnRL	Raise = True, Lower = False, oth...	7-420 Ed2 (Draft)
1035	DGEN.GnStabTm	Gn=Generator, Stab=Stabilizer, Tm=Time	7-420 Ed2 (Draft)
1036	DGEN.GnSyn	Gn=Generator, Syn=Synchronisation, synchronous, synchronism	7-420 Ed2 (Draft)
1037	DGEN.OpTmh	Op=Operate, operating/Trip order to circuit-breaker, Tmh=Time in h	7-420 Ed2 (Draft)
1038	DGEN.OpTmsRs	accumulated time since the last...	7-420 Ed2 (Draft)
1039	DGEN.ParSt	Par=Parallel, St=Status, state	7-420 Ed2 (Draft)
1040	DGEN.PerStrCnt	Per=Periodic, period, Str=Start, Cnt=Counter	7-420 Ed2 (Draft)
1041	DGEN.RampLodSw	Ramp=Ramp, Lod=Load, loading, Sw=Switch, switched	7-420 Ed2 (Draft)
1042	DGEN.TotStrCnt	Tot=Total, Str=Start, Cnt=Counter	7-420 Ed2 (Draft)
1043	DGSM		
1044	DGSM.InCrv	In=Input, Crv=Curve	7-420 Ed2 (Draft)
1045	DGSM.ModTyp	Mod=Mode, Typ=Type	7-420 Ed2 (Draft)
1046	DGSM.RmpTms	Rmp=Ramping, ramp, Tms=Time in s	7-420 Ed2 (Draft)
1047	DGSM.RvrtTms	Rvrt=Revert, Tms=Time in s	7-420 Ed2 (Draft)
1048	DGSM.WinTms	Win=Window, Tms=Time in s	7-420 Ed2 (Draft)
1049	DHCP	RFC 2131	90-4 Ed1 (Draft)
1050	Dia	Diaphragm	7-4 Ed2.1 (Draft)
1051	Diag	Diagnostics	7-420 Ed2 (Draft)
1052	Diag	Diagnostics	7-4 Ed2.1 (Draft)
1053	Dif	Differential, difference	7-420 Ed2 (Draft)
1054	Dif	Differential, difference	7-4 Ed2.1 (Draft)
1055	Dig	Digital	7-420 Ed2 (Draft)
1056	Dig	Digital	7-4 Ed2.1 (Draft)
1057	Dip	Dip	7-420 Ed2 (Draft)
1058	Dip	Dip	7-4 Ed2.1 (Draft)
1059	Dir	Direction	7-420 Ed2 (Draft)
1060	dir	direction	7-3 Ed2.1 (Draft)
1061	Dir	Direction	7-4 Ed2.1 (Draft)
1062	Dis	Distance	7-420 Ed2 (Draft)
1063	Dis	Distance	7-4 Ed2.1 (Draft)
1064	Dith	Dither	7-4 Ed2.1 (Draft)
1065	Dl	Delay	7-420 Ed2 (Draft)

1066	Dl	Delay	7-4 Ed2.1 (Draft)
1067	Dlt	Delete	7-420 Ed2 (Draft)
1068	Dlt	Delete	7-4 Ed2.1 (Draft)
1069	Dlv	Delivery	7-4 Ed2.1 (Draft)
1070	DMC	Designated Master Clock	90-4 Ed1 (Draft)
1071	Dmd	Demand	7-420 Ed2 (Draft)
1072	Dmd	Demand	7-4 Ed2.1 (Draft)
1073	Dn	Down, downstream	7-420 Ed2 (Draft)
1074	Dn	Down, downstream	7-4 Ed2.1 (Draft)
1075	DNA	Dynamic Namespace Attribute	8-1 Ed2
1076	DNS	Domain Name Service	90-5 Ed1
1077	DNS	RFC 1034, RFC 1035	90-4 Ed1 (Draft)
1078	DO	DATA in IEC 61850-7-2, data object type or instance, depending on the context	IEC 61850-6 Ed2
1079	DO	DATA in IEC 61850-7-2, data object type or instance, depending on the context	6 Ed2
1080	DOI	Instantiated Data Object (DATA)	IEC 61850-6 Ed2
1081	DOI	Instantiated Data Object (DATA)	6 Ed2
1082	DomainLN		
1083	DomainLN.Beh	Beh=Behaviour	7-4 Ed2.1 (Draft)
1084	DomainLN.Health	Health=Health	7-4 Ed2.1 (Draft)
1085	DomainLN.InRef	In=Input, Ref=Reference	7-4 Ed2.1 (Draft)
1086	DomainLN.Mod	Mod=Mode	7-4 Ed2.1 (Draft)
1087	DomainLN.NamPlt	Nam=Name, Plt=Plate, long-term flicker severity	7-4 Ed2.1 (Draft)
1088	DOPA	DER operational authority at the ECP	7-420 Ed2
1089	DOPA.DERAuth	DER=Distributed energy resource, Auth=Authorisation	7-420 Ed2 (Draft)
1090	DOPA.DEROpMod	DER=Distributed energy resource, Op=Operate, operating/Trip order to circuit-breaker, Mod=Mode	7-420 Ed2 (Draft)
1091	DOPA.DERStopAuth	DER=Distributed energy resource, Stop=Stop, Auth=Authorisation	7-420 Ed2 (Draft)
1092	DOPA.DERStrAuth	DER=Distributed energy resource, Str=Start, Auth=Authorisation	7-420 Ed2 (Draft)
1093	DOPA.ECPClsAuth	ECP=Electrical connection point, Cls=Close, closed, Auth=Authorisation	7-420 Ed2 (Draft)
1094	DOPA.ECPModAuth	ECP=Electrical connection point, Mod=Mode, Auth=Authorisation	7-420 Ed2 (Draft)
1095	DOPA.ECPOpnAuth	ECP=Electrical connection point, Opn=Open, opened, Auth=Authorisation	7-420 Ed2 (Draft)

1096	DOPM	Operating mode at ECP	7-420 Ed2
1097	DOPM.OpModConsPF	Op=Operate, operating/Trip order to circuit-breaker, Mod=Mode, Cons=Constant, PF=Power factor	7-420 Ed2 (Draft)
1098	DOPM.OpModConsV	Op=Operate, operating/Trip order to circuit-breaker, Mod=Mode, Cons=Constant, V=Voltage	7-420 Ed2 (Draft)
1099	DOPM.OpModConsVAr	Op=Operate, operating/Trip order to circuit-breaker, Mod=Mode, Cons=Constant, VAr=Reactive power (volt amperes reactive)	7-420 Ed2 (Draft)
1100	DOPM.OpModConsW	Op=Operate, operating/Trip order to circuit-breaker, Mod=Mode, Cons=Constant, W=Active power	7-420 Ed2 (Draft)
1101	DOPM.OpModExIm	Op=Operate, operating/Trip order to circuit-breaker, Mod=Mode, ExIm=Export/import	7-420 Ed2 (Draft)
1102	DOPM.OpModIsld	Op=Operate, operating/Trip order to circuit-breaker, Mod=Mode, Isld=Islanded	7-420 Ed2 (Draft)
1103	DOPM.OpModMaxVAr	Op=Operate, operating/Trip order to circuit-breaker, Mod=Mode, Max=Maximum, VAr=Reactive power (volt amperes reactive)	7-420 Ed2 (Draft)
1104	DOPM.OpModPk	Op=Operate, operating/Trip order to circuit-breaker, Mod=Mode, Pk=Peak	7-420 Ed2 (Draft)
1105	DOPM.OpModPM	Op=Operate, operating/Trip order to circuit-breaker, Mod=Mode, P=Proportional, M=Minutes	7-420 Ed2 (Draft)
1106	DOPM.OpModPrc	Op=Operate, operating/Trip order to circuit-breaker, Mod=Mode, Prc=Price, pricing	7-420 Ed2 (Draft)
1107	DOPM.OpModVOv	Op=Operate, operating/Trip order to circuit-breaker, Mod=Mode, V=Voltage, Ov=Over, override, overflow	7-420 Ed2 (Draft)
1108	DOPM.RmpTms	Rmp=Ramping, ramp, Tms=Time in s	7-420 Ed2 (Draft)
1109	DOPM.RvrtTms	Rvrt=Revert, Tms=Time in s	7-420 Ed2 (Draft)
1110	DOPM.WinTms	Win=Window, Tms=Time in s	7-420 Ed2 (Draft)
1111	DOPR	Operational characteristics at ECP	7-420 Ed2
1112	DOPR.CircPh	Circ=Circulating, circuit, Ph=Phase to reference	7-420 Ed2 (Draft)
1113	DOPR.ECPID	ECP=Electrical connection point, I=Integral, integration, D=Derivate	7-420 Ed2 (Draft)
1114	DOPR.ECPNomHz	ECP=Electrical connection point, Nom=Nominal, normalising, Hz=Frequency	7-420 Ed2 (Draft)
1115	DOPR.ECPNomVArRtg	ECP=Electrical connection point, Nom=Nominal, normalising, VAr=Reactive power (volt amperes reactive), Rtg=Rating	7-420 Ed2 (Draft)
1116	DOPR.ECPNomVLev	ECP=Electrical connection point, Nom=Nominal, normalising, V=Voltage, Lev=Level	7-420 Ed2 (Draft)

1117	DOPR.ECPNomWRtg	ECP=Electrical connection point, Nom=Nominal, normalising, W=Active power, Rtg=Rating	7-420 Ed2 (Draft)
1118	DOPR.ECPTyp	ECP=Electrical connection point, Typ=Type	7-420 Ed2 (Draft)
1119	DOPR.InCircID	In=Input, Circ=Circulating, circuit, I=Integral, integration, D=Derivate	7-420 Ed2 (Draft)
1120	DOPR.OutCircID	Out=Output, Circ=Circulating, circuit, I=Integral, integration, D=Derivate	7-420 Ed2 (Draft)
1121	DPC	Controllable double point	IEC 61850-7-3 Ed2
1122	Dpc	Double point control	7-420 Ed2 (Draft)
1123	Dpc	Double point control	7-4 Ed2.1 (Draft)
1124	DPCSO	Double point controllable status output	7-420 Ed2 (Draft)
1125	DPCSO	Double point controllable status output	7-4 Ed2.1 (Draft)
1126	DPL	Device name plate	IEC 61850-7-3 Ed2
1127	DPS	Double Point Status information (Doppelmeldungsstatus)	IEC 61850-7-3 Ed2
1128	DPST	Status information at the ECP	7-420 Ed2
1129	DPST.ECPConn	ECP=Electrical connection point, Conn=Connected, connections	7-420 Ed2 (Draft)
1130	DPST.OpTms	Op=Operate, operating/Trip order to circuit-breaker, Tms=Time in s	7-420 Ed2 (Draft)
1131	DPST.TotWh	Tot=Total, Wh=Watt hours	7-420 Ed2 (Draft)
1132	Dpt	Departure	7-420 Ed2 (Draft)
1133	Dpt	Departure	7-4 Ed2.1 (Draft)
1134	DPVA	Photovoltaics array characteristics	7-420 Ed2
1135	DPVA.ArrArea	Arr=Array, Area=Area	7-420 Ed2 (Draft)
1136	DPVA.ArrWRtg	Arr=Array, W=Active power, Rtg=Rating	7-420 Ed2 (Draft)
1137	DPVA.Azi	Azi=Azimuth	7-420 Ed2 (Draft)
1138	DPVA.GndConn	Gnd=Ground, Conn=Connected, connections	7-420 Ed2 (Draft)
1139	DPVA.MdulCnt	Mdul=Module, Cnt=Counter	7-420 Ed2 (Draft)
1140	DPVA.StrgCnt	Strg=String, Cnt=Counter	7-420 Ed2 (Draft)
1141	DPVA.SubArrCnt	Sub=Sub, Arr=Array, Cnt=Counter	7-420 Ed2 (Draft)
1142	DPVA.Tilt	Tilt=Tilt	7-420 Ed2 (Draft)
1143	DPVA.Typ	Typ=Type	7-420 Ed2 (Draft)
1144	DPVC	Photovoltaics array controller	7-420 Ed2
1145	DPVC.ArrModCtr	Arr=Array, Mod=Mode, Ctr=Center	7-420 Ed2 (Draft)
1146	DPVC.CtrModSt	Ctr=Center, Mod=Mode, St=Status, state	7-420 Ed2 (Draft)
1147	DPVC.TrkDlSlpTms	Trk=Track, tracking, Dl=Delay, Slp=Sleep, Tms=Time in s	7-420 Ed2 (Draft)
1148	DPVC.TrkDlWkupTms	Trk=Track, tracking, Dl=Delay, Wkup=Wake up, Tms=Time in s	7-420 Ed2 (Draft)
1149	DPVC.TrkRefV	Trk=Track, tracking, Ref=Reference, V=Voltage	7-420 Ed2 (Draft)

1150	DPVC.TrkRte	Trk=Track, tracking, Rte=Rate	7-420 Ed2 (Draft)
1151	DPVC.TrkSlpW	Trk=Track, tracking, Slp=Sleep, W=Active power	7-420 Ed2 (Draft)
1152	DPVC.TrkVStep	Trk=Track, tracking, V=Voltage, Step=Step	7-420 Ed2 (Draft)
1153	DPVC.TrkWkupV	Trk=Track, tracking, Wkup=Wake up, V=Voltage	7-420 Ed2 (Draft)
1154	DPVM	Photovoltaics module ratings	7-420 Ed2
1155	DPVM.AVCrvIx	A=Current, V=Voltage, Crv=Curve, Ix=Index	7-420 Ed2 (Draft)
1156	DPVM.MaxMdulA	Max=Maximum, Mdul=Module, A=Current	7-420 Ed2 (Draft)
1157	DPVM.MaxMdulV	Max=Maximum, Mdul=Module, V=Voltage	7-420 Ed2 (Draft)
1158	DPVM.MdulATmpDrt	Mdul=Module, A=Current, Tmp=Temperature (°C), Drt=Derate	7-420 Ed2 (Draft)
1159	DPVM.MdulAVCrv	Mdul=Module, A=Current, V=Voltage, Crv=Curve	7-420 Ed2 (Draft)
1160	DPVM.MdulCfgTyp	Mdul=Module, Cfg=Configuration, Typ=Type	7-420 Ed2 (Draft)
1161	DPVM.MdulDrtPct	Mdul=Module, Drt=Derate, Pct=Percent, percentage	7-420 Ed2 (Draft)
1162	DPVM.MdulOpnCircV	Mdul=Module, Opn=Open, opened, Circ=Circulating, circuit, V=Voltage	7-420 Ed2 (Draft)
1163	DPVM.MdulSrtCircA	Mdul=Module, Srt=Short, Circ=Circulating, circuit, A=Current	7-420 Ed2 (Draft)
1164	DPVM.MdulVTmpDrt	Mdul=Module, V=Voltage, Tmp=Temperature (°C), Drt=Derate	7-420 Ed2 (Draft)
1165	DPVM.MdulW200Rtg	Mdul=Module, W=Active power, 200=?, Rtg=Rating	7-420 Ed2 (Draft)
1166	DPVM.MdulWRtg	Mdul=Module, W=Active power, Rtg=Rating	7-420 Ed2 (Draft)
1167	DPVM.MdulWTmpDrt	Mdul=Module, W=Active power, Tmp=Temperature (°C), Drt=Derate	7-420 Ed2 (Draft)
1168	DQ0	Direct, quadrature, and zero axis quantities	7-420 Ed2 (Draft)
1169	DQ0	Direct, quadrature, and zero axis quantities	7-4 Ed2.1 (Draft)
1170	Drag	Drag hand	7-420 Ed2 (Draft)
1171	Drag	Drag hand	7-4 Ed2.1 (Draft)
1172	DRAT	DER generator ratings	7-420 Ed2
1173	DRAT.ARtg	A=Current, Rtg=Rating	7-420 Ed2 (Draft)
1174	DRAT.ConnTyp	3-phase or single phase, delta, wye	7-420 Ed2 (Draft)
1175	DRAT.DERTyp	DER=Distributed energy resource, Typ=Type	7-420 Ed2 (Draft)
1176	DRAT.DsconLevW	Dscon=Disconnected, Lev=Level, W=Active power	7-420 Ed2 (Draft)
1177	DRAT.EfcRtgPct	Efc=Efficiency, Rtg=Rating, Pct=Percent, percentage	7-420 Ed2 (Draft)
1178	DRAT.EmgMaxWOut	Emg=Emergency, Max=Maximum, W=Active power, Out=Output	7-420 Ed2 (Draft)
1179	DRAT.EmgMinWOut	Emg=Emergency, Min=Minimum, W=Active power, Out=Output	7-420 Ed2 (Draft)
1180	DRAT.EmgRampRtg	Emg=Emergency, Ramp=Ramp, Rtg=Rating	7-420 Ed2 (Draft)
1181	DRAT.FltRtgPct	Flt=Fault, Rtg=Rating, Pct=Percent, percentage	7-420 Ed2 (Draft)
1182	DRAT.GndZ	Gnd=Ground, Z=Impedance	7-420 Ed2 (Draft)
1183	DRAT.HzRtg	Hz=Frequency, Rtg=Rating	7-420 Ed2 (Draft)

1184	DRAT.LLodSetR	L=Lower (action), Lod=Load, loading, Set=Setting, R=Raise, increase	7-420 Ed2 (Draft)
1185	DRAT.MaxFltARtg	Max=Maximum, Flt=Fault, A=Current, Rtg=Rating	7-420 Ed2 (Draft)
1186	DRAT.MaxFltDurTms	Max=Maximum, Flt=Fault, Dur=Duration, Tms=Time in s	7-420 Ed2 (Draft)
1187	DRAT.MaxFltRtg	Max=Maximum, Flt=Fault, Rtg=Rating	7-420 Ed2 (Draft)
1188	DRAT.MaxLodRamp	Max=Maximum, Lod=Load, loading, Ramp=Ramp	7-420 Ed2 (Draft)
1189	DRAT.MaxTmpRtg	Max=Maximum, Tmp=Temperature (°C), Rtg=Rating	7-420 Ed2 (Draft)
1190	DRAT.MaxUnldRamp	Max=Maximum, Unld=Unload, Ramp=Ramp	7-420 Ed2 (Draft)
1191	DRAT.MaxVArOut	Max=Maximum, VAr=Reactive power (volt amperes reactive), Out=Output	7-420 Ed2 (Draft)
1192	DRAT.MaxVArRtg	Max=Maximum, VAr=Reactive power (volt amperes reactive), Rtg=Rating	7-420 Ed2 (Draft)
1193	DRAT.MaxVARtg	Max=Maximum, VA=Apparent power (volt amperes), Rtg=Rating	7-420 Ed2 (Draft)
1194	DRAT.MaxWOut	Max=Maximum, W=Active power, Out=Output	7-420 Ed2 (Draft)
1195	DRAT.MaxWRtg	Max=Maximum, W=Active power, Rtg=Rating	7-420 Ed2 (Draft)
1196	DRAT.MinWOut	Min=Minimum, W=Active power, Out=Output	7-420 Ed2 (Draft)
1197	DRAT.RLodSetRte	R=Raise, increase, Lod=Load, loading, Set=Setting, Rte=Rate	7-420 Ed2 (Draft)
1198	DRAT.RvSeq	False = ABC, true = CBA	7-420 Ed2 (Draft)
1199	DRAT.SelfPF	Self=Self, PF=Power factor	7-420 Ed2 (Draft)
1200	DRAT.SelfV	Self=Self, V=Voltage	7-420 Ed2 (Draft)
1201	DRAT.SelfVRng	Self=Self, V=Voltage, Rng=Range	7-420 Ed2 (Draft)
1202	DRAT.SelfW	Self=Self, W=Active power	7-420 Ed2 (Draft)
1203	DRAT.VRtg	V=Voltage, Rtg=Rating	7-420 Ed2 (Draft)
1204	DRAT.WRtg	W=Active power, Rtg=Rating	7-420 Ed2 (Draft)
1205	DRAZ	DER advanced generator ratings	7-420 Ed2
1206	DRAZ.ChgLimAng	Chg=Change, Lim=Limit, Ang=Angle	7-420 Ed2 (Draft)
1207	DRAZ.ChgLimRatAng	Chg=Change, Lim=Limit, Rat=Ratio, Ang=Angle	7-420 Ed2 (Draft)
1208	DRAZ.ChgLimVPct	Chg=Change, Lim=Limit, V=Voltage, Pct=Percent, percentage	7-420 Ed2 (Draft)
1209	DRAZ.HACrvPct	H=Harmonics (phase-related), A=Current, Crv=Curve, Pct=Percent, percentage	7-420 Ed2 (Draft)
1210	DRAZ.HVCrvPct	H=Harmonics (phase-related), V=Voltage, Crv=Curve, Pct=Percent, percentage	7-420 Ed2 (Draft)
1211	DRAZ.ImbALim	Imb=Imbalance, A=Current, Lim=Limit	7-420 Ed2 (Draft)
1212	DRAZ.ImbVLim	Imb=Imbalance, V=Voltage, Lim=Limit	7-420 Ed2 (Draft)
1213	DRAZ.ImpactHzPct	Impact=Impact, Hz=Frequency, Pct=Percent, percentage	7-420 Ed2 (Draft)
1214	DRAZ.InerTms	Iner=Inertia, Tms=Time in s	7-420 Ed2 (Draft)

1215	DRAZ.NgSeqZ	Ng=Negative, Seq=Sequence, Z=Impedance	7-420 Ed2 (Draft)
1216	DRAZ.OpCircDirTms	Op=Operate, operating/Trip order to circuit-breaker, Circ=Circulating, circuit, Dir=Direction, Tms=Time in s	7-420 Ed2 (Draft)
1217	DRAZ.OpCircQudTms	Op=Operate, operating/Trip order to circuit-breaker, Circ=Circulating, circuit, Qud=Quad, Tms=Time in s	7-420 Ed2 (Draft)
1218	DRAZ.PFAbsbRtg	PF=Power factor, Absb=Absorbing, Rtg=Rating	7-420 Ed2 (Draft)
1219	DRAZ.PFGnRtg	PF=Power factor, Gn=Generator, Rtg=Rating	7-420 Ed2 (Draft)
1220	DRAZ.ShCircDirTms	Sh=Shunt, Circ=Circulating, circuit, Dir=Direction, Tms=Time in s	7-420 Ed2 (Draft)
1221	DRAZ.ShCircQudTms	Sh=Shunt, Circ=Circulating, circuit, Qud=Quad, Tms=Time in s	7-420 Ed2 (Draft)
1222	DRAZ.SubTrsQudZ	Sub=Sub, Trs=Transient, Qud=Quad, Z=Impedance	7-420 Ed2 (Draft)
1223	DRAZ.SubTrsZ	Sub=Sub, Trs=Transient, Z=Impedance	7-420 Ed2 (Draft)
1224	DRAZ.SynZ	Syn=Synchronisation, synchronous, synchronism, Z=Impedance	7-420 Ed2 (Draft)
1225	DRAZ.ThdWPct	Thd=Total harmonic distortion, W=Active power, Pct=Percent, percentage	7-420 Ed2 (Draft)
1226	DRAZ.TrsVLim	Volts û Surge û mostly by magnitude	7-420 Ed2 (Draft)
1227	DRAZ.TrsZ	Trs=Transient, Z=Impedance	7-420 Ed2 (Draft)
1228	DRAZ.WMaxVArCrv	W=Active power, Max=Maximum, VAr=Reactive power (volt amperes reactive), Crv=Curve	7-420 Ed2 (Draft)
1229	DRAZ.WMinVArCrv	W=Active power, Min=Minimum, VAr=Reactive power (volt amperes reactive), Crv=Curve	7-420 Ed2 (Draft)
1230	DRAZ.WVArVLimCrv	W=Active power, VAr=Reactive power (volt amperes reactive), V=Voltage, Lim=Limit, Crv=Curve	7-420 Ed2 (Draft)
1231	DRAZ.ZerSeqZ	Zer=Zero, Seq=Sequence, Z=Impedance	7-420 Ed2 (Draft)
1232	DRCC	DER supervisory control	7-420 Ed2
1233	DRCC.DCPwrCtl	DC=DC, direct current, Pwr=Power, Ctl=Control	7-420 Ed2 (Draft)
1234	DRCC.DERStop	DER=Distributed energy resource, Stop=Stop	7-420 Ed2 (Draft)
1235	DRCC.DERStr	DER=Distributed energy resource, Str=Start	7-420 Ed2 (Draft)
1236	DRCC.DeRtePct	De=remove, Rte=Rate, Pct=Percent, percentage	7-420 Ed2 (Draft)
1237	DRCC.EmgStop	Emg=Emergency, Stop=Stop	7-420 Ed2 (Draft)
1238	DRCC.FltAck	Flt=Fault, Ack=Acknowledgement, acknowledge	7-420 Ed2 (Draft)
1239	DRCC.GnSyn	Gn=Generator, Syn=Synchronisation, synchronous, synchronism	7-420 Ed2 (Draft)
1240	DRCC.ImptExptSet	Impt=Import, Expt=Export, Set=Setting	7-420 Ed2 (Draft)
1241	DRCC.LodModAvl	True = for connection to load	7-420 Ed2 (Draft)
1242	DRCC.LodModBase	True = load mode	7-420 Ed2 (Draft)
1243	DRCC.LodModExpt	True = load mode	7-420 Ed2 (Draft)

1244	DRCC.LodModFol	True = load mode	7-420 Ed2 (Draft)
1245	DRCC.LodRamp	Lod=Load, loading, Ramp=Ramp	7-420 Ed2 (Draft)
1246	DRCC.LodSharRamp	Lod=Load, loading, Shar=Shared, Ramp=Ramp	7-420 Ed2 (Draft)
1247	DRCC.LodStop	Stop/Do not stop	7-420 Ed2 (Draft)
1248	DRCC.LodWPct	Lod=Load, loading, W=Active power, Pct=Percent, percentage	7-420 Ed2 (Draft)
1249	DRCC.MaxVArLim	Max=Maximum, VAr=Reactive power (volt amperes reactive), Lim=Limit	7-420 Ed2 (Draft)
1250	DRCC.OpModAvl	True = is available	7-420 Ed2 (Draft)
1251	DRCC.OpModOff	True = off-line	7-420 Ed2 (Draft)
1252	DRCC.OpModTest	True = test mode	7-420 Ed2 (Draft)
1253	DRCC.OpTmRs	Op=Operate, operating/Trip order to circuit-breaker, Tm=Time, Rs=Reset, resettable	7-420 Ed2 (Draft)
1254	DRCC.OutHzSet	Out=Output, Hz=Frequency, Set=Setting	7-420 Ed2 (Draft)
1255	DRCC.OutPFSet	negative power factor is leading an...	7-420 Ed2 (Draft)
1256	DRCC.OutVArSet	Out=Output, VAr=Reactive power (volt amperes reactive), Set=Setting	7-420 Ed2 (Draft)
1257	DRCC.OutVSet	Out=Output, V=Voltage, Set=Setting	7-420 Ed2 (Draft)
1258	DRCC.OutWSet	Out=Output, W=Active power, Set=Setting	7-420 Ed2 (Draft)
1259	DRCC.StopDlTms	Stop=Stop, Dl=Delay, Tms=Time in s	7-420 Ed2 (Draft)
1260	DRCC.StrDlTms	Str=Start, Dl=Delay, Tms=Time in s	7-420 Ed2 (Draft)
1261	DRChannelLN		
1262	DRChannelLN.ChNum	Ch=Channel, Num=Number	7-4 Ed2.1 (Draft)
1263	DRChannelLN.ChTrg	Ch=Channel, Trg=Trigger	7-4 Ed2.1 (Draft)
1264	DRChannelLN.SrcRef	Src=Source, Ref=Reference	7-4 Ed2.1 (Draft)
1265	DRCS	DER controller status	7-420 Ed2
1266	DRCS.AutoMan	Auto=Automatic, Man=Manual	7-420 Ed2 (Draft)
1267	DRCS.ChaSt	Cha=Charger, St=Status, state	7-420 Ed2 (Draft)
1268	DRCS.DCPwrSt	DC=DC, direct current, Pwr=Power, St=Status, state	7-420 Ed2 (Draft)
1269	DRCS.ECPConn	ECP=Electrical connection point, Conn=Connected, connections	7-420 Ed2 (Draft)
1270	DRCS.FltRtePct	Flt=Fault, Rte=Rate, Pct=Percent, percentage	7-420 Ed2 (Draft)
1271	DRCS.LodModAvlSt	Available	7-420 Ed2 (Draft)
1272	DRCS.LodModBaseSt	Base load	7-420 Ed2 (Draft)
1273	DRCS.LodModExptSt	Fixed export	7-420 Ed2 (Draft)
1274	DRCS.LodModFolSt	Load following	7-420 Ed2 (Draft)
1275	DRCS.ModOffAvl	Off but available to start	7-420 Ed2 (Draft)

1276	DRCS.ModOffUnav	Off and not available to start	7-420 Ed2 (Draft)
1277	DRCS.ModOnAvl	On and available for connection	7-420 Ed2 (Draft)
1278	DRCS.ModOnConn	On and connected	7-420 Ed2 (Draft)
1279	DRCS.ModOnUnav	On but not available for connection	7-420 Ed2 (Draft)
1280	DRCS.ModStop	Stopping/shutting down	7-420 Ed2 (Draft)
1281	DRCS.ModStr	Starting up	7-420 Ed2 (Draft)
1282	DRCS.ModTest	Test mode	7-420 Ed2 (Draft)
1283	DRCS.ModVAr	Var management is available	7-420 Ed2 (Draft)
1284	DRCS.OpTmh	Op=Operate, operating/Trip order to circuit-breaker, Tmh=Time in h	7-420 Ed2 (Draft)
1285	DRCS.SelfSvcWh	Self=Self, Svc=Service, Wh=Watt hours	7-420 Ed2 (Draft)
1286	DRCS.SeqPos	Seq=Sequence, Pos=Position	7-420 Ed2 (Draft)
1287	DRCS.SeqSt	Seq=Sequence, St=Status, state	7-420 Ed2 (Draft)
1288	DRCS.VAChaPct	VA=Apparent power (volt amperes), Cha=Charger, Pct=Percent, percentage	7-420 Ed2 (Draft)
1289	DRCS.VAPct	VA=Apparent power (volt amperes), Pct=Percent, percentage	7-420 Ed2 (Draft)
1290	DRCT	DER controller characteristics	7-420 Ed2
1291	DRCT.ClcTotVA	Vector or Arithmet...	7-420 Ed2 (Draft)
1292	DRCT.DERNum	DER=Distributed energy resource, Num=Number	7-420 Ed2 (Draft)
1293	DRCT.DERTyp	DER=Distributed energy resource, Typ=Type	7-420 Ed2 (Draft)
1294	DRCT.LodRampRte	Lod=Load, loading, Ramp=Ramp, Rte=Rate	7-420 Ed2 (Draft)
1295	DRCT.MaxVArLim	Max=Maximum, VAr=Reactive power (volt amperes reactive), Lim=Limit	7-420 Ed2 (Draft)
1296	DRCT.MaxWLim	Max=Maximum, W=Active power, Lim=Limit	7-420 Ed2 (Draft)
1297	DRCT.MinRsvPct	Min=Minimum, Rsv=Reserve, Pct=Percent, percentage	7-420 Ed2 (Draft)
1298	DRCT.OutPFSet	Out=Output, PF=Power factor, Set=Setting	7-420 Ed2 (Draft)
1299	DRCT.OutWRte	Out=Output, W=Active power, Rte=Rate	7-420 Ed2 (Draft)
1300	DRCT.PFExt	PF=Power factor, Ext=Excitation/External	7-420 Ed2 (Draft)
1301	DRCT.PFSign	IEC or EEI	7-420 Ed2 (Draft)
1302	DRCT.RmpRtePct	Rmp=Ramping, ramp, Rte=Rate, Pct=Percent, percentage	7-420 Ed2 (Draft)
1303	DRCT.StopDlTms	Stop=Stop, Dl=Delay, Tms=Time in s	7-420 Ed2 (Draft)
1304	DRCT.StrDlTms	Str=Start, Dl=Delay, Tms=Time in s	7-420 Ed2 (Draft)
1305	DRCT.VAChaMax	VA=Apparent power (volt amperes), Cha=Charger, Max=Maximum	7-420 Ed2 (Draft)
1306	DRCT.VAMax	VA=Apparent power (volt amperes), Max=Maximum	7-420 Ed2 (Draft)
1307	DRCT.VArAct	True = Switch, False = Re...	7-420 Ed2 (Draft)

1308	DRCT.VArAvlPct	VAr=Reactive power (volt amperes reactive), Avl=Availability, Pct=Percent, percentage	7-420 Ed2 (Draft)
1309	DRCT.VArMax	VAr=Reactive power (volt amperes reactive), Max=Maximum	7-420 Ed2 (Draft)
1310	DRCT.VArMaxPct	VAr=Reactive power (volt amperes reactive), Max=Maximum, Pct=Percent, percentage	7-420 Ed2 (Draft)
1311	DRCT.VArRef	VAr=Reactive power (volt amperes reactive), Ref=Reference	7-420 Ed2 (Draft)
1312	DRCT.VArWMaxPct	VAr=Reactive power (volt amperes reactive), W=Active power, Max=Maximum, Pct=Percent, percentage	7-420 Ed2 (Draft)
1313	DRCT.VMax	V=Voltage, Max=Maximum	7-420 Ed2 (Draft)
1314	DRCT.VMin	V=Voltage, Min=Minimum	7-420 Ed2 (Draft)
1315	DRCT.VRef	V=Voltage, Ref=Reference	7-420 Ed2 (Draft)
1316	DRCT.VRefOfs	V=Voltage, Ref=Reference, Ofs=Offset	7-420 Ed2 (Draft)
1317	DRCT.WChaGra	percentage of WChaMax	7-420 Ed2 (Draft)
1318	DRCT.WChaMax	W=Active power, Cha=Charger, Max=Maximum	7-420 Ed2 (Draft)
1319	DRCT.WGra	percentage of WMax	7-420 Ed2 (Draft)
1320	DRCT.WMax	W=Active power, Max=Maximum	7-420 Ed2 (Draft)
1321	DRCT.WMaxLimPct	W=Active power, Max=Maximum, Lim=Limit, Pct=Percent, percentage	7-420 Ed2 (Draft)
1322	DREX	Excitation ratings	7-420 Ed2
1323	DREX.CtlHzHiAlm	Ctl=Control, Hz=Frequency, Hi=High, highest, Alm=Alarm	7-420 Ed2 (Draft)
1324	DREX.CtlHzHiLim	Ctl=Control, Hz=Frequency, Hi=High, highest, Lim=Limit	7-420 Ed2 (Draft)
1325	DREX.CtlHzLoAlm	Ctl=Control, Hz=Frequency, Lo=Low (state or value), Alm=Alarm	7-420 Ed2 (Draft)
1326	DREX.CtlHzLoLim	Ctl=Control, Hz=Frequency, Lo=Low (state or value), Lim=Limit	7-420 Ed2 (Draft)
1327	DREX.ExtAAtPF	Ext=Excitation/External, A=Current, At=At, PF=Power factor	7-420 Ed2 (Draft)
1328	DREX.ExtANoLod	Ext=Excitation/External, A=Current, No=No, not, Lod=Load, loading	7-420 Ed2 (Draft)
1329	DREX.ExtForc	Yes/no	7-420 Ed2 (Draft)
1330	DREX.ExtInerTms	Ext=Excitation/External, Iner=Inertia, Tms=Time in s	7-420 Ed2 (Draft)
1331	DREX.ExtTyp	DC	7-420 Ed2 (Draft)
1332	DREX.ExtVAtPF	Ext=Excitation/External, V=Voltage, At=At, PF=Power factor	7-420 Ed2 (Draft)
1333	DREX.ExtVNoLod	Ext=Excitation/External, V=Voltage, No=No, not, Lod=Load, loading	7-420 Ed2 (Draft)
1334	Drn	Drain	7-4 Ed2.1 (Draft)
1335	Droop	Droop	7-4 Ed2.1 (Draft)
1336	Dropout	Dropout	7-420 Ed2 (Draft)
1337	Dropout	Dropout	7-4 Ed2.1 (Draft)
1338	Drp	Droop	7-420 Ed2 (Draft)
1339	Drp	Droop	7-4 Ed2.1 (Draft)

1340	Drt	Derate	7-420 Ed2 (Draft)
1341	Drt	Derate	7-4 Ed2.1 (Draft)
1342	Drtb	Draft tube	7-4 Ed2.1 (Draft)
1343	Drv	Drive	7-420 Ed2 (Draft)
1344	Drv	Drive	7-4 Ed2.1 (Draft)
1345	DS	data set	IEC 61850-7-2 Ed2
1346	DS	Device state	7-420 Ed2 (Draft)
1347	ds	derived statistics	7-4 Ed2.1 (Draft)
1348	DS	Device state	7-4 Ed2.1 (Draft)
1349	Dsc	Discrepancy	7-420 Ed2 (Draft)
1350	Dsc	Discrepancy	7-4 Ed2.1 (Draft)
1351	DSCC	DER energy and/or ancillary services schedule control	7-420 Ed2
1352	DSCC.ActAncSchd	Act=Action, activity, active, activate, Anc=Ancillary, Schd=Schedule	7-420 Ed2 (Draft)
1353	DSCC.ActAncSchdSt	Act=Action, activity, active, activate, Anc=Ancillary, Schd=Schedule, St=Status, state	7-420 Ed2 (Draft)
1354	DSCC.ActWSchd	Act=Action, activity, active, activate, W=Active power, Schd=Schedule	7-420 Ed2 (Draft)
1355	DSCC.ActWSchdSt	Act=Action, activity, active, activate, W=Active power, Schd=Schedule, St=Status, state	7-420 Ed2 (Draft)
1356	DSCH	DER energy and/or ancillary services schedule	7-420 Ed2
1357	Dsch	Discharge	7-420 Ed2 (Draft)
1358	Dsch	Discharge	7-4 Ed2.1 (Draft)
1359	DSCH.SchdAbsTm	Schd=Schedule, Abs=Absolute, Tm=Time	7-420 Ed2 (Draft)
1360	DSCH.SchdCat	Schd=Schedule, Cat=Category	7-420 Ed2 (Draft)
1361	DSCH.SchdId	Schd=Schedule, Id=Identity, identifier	7-420 Ed2 (Draft)
1362	DSCH.SchdRelTm	Schd=Schedule, Rel=Release, Tm=Time	7-420 Ed2 (Draft)
1363	DSCH.SchdTyp	Schd=Schedule, Typ=Type	7-420 Ed2 (Draft)
1364	DSCH.SchdVal	Schd=Schedule, Val=Value	7-420 Ed2 (Draft)
1365	Dscon	Disconnected	7-420 Ed2 (Draft)
1366	Dscon	Disconnected	7-4 Ed2.1 (Draft)
1367	DSCP	Differentiated Services Code Point	90-5 Ed1
1368	DSFC	Speed/Frequency Controller	7-420 Ed2
1369	DSFC.Droop	Droop=Droop	7-420 Ed2 (Draft)
1370	DSFC.HzAct	Hz=Frequency, Act=Action, activity, active, activate	7-420 Ed2 (Draft)
1371	DSFC.HzActSt	Hz=Frequency, Act=Action, activity, active, activate, St=Status, state	7-420 Ed2 (Draft)
1372	DSFC.HzPwr	Hz=Frequency, Pwr=Power	7-420 Ed2 (Draft)

1373	DSFC.PwrRsvOvHz	Pwr=Power, Rsv=Reserve, Ov=Over, override, overflow, Hz=Frequency	7-420 Ed2 (Draft)
1374	DSFC.PwrRsvUnHz	Pwr=Power, Rsv=Reserve, Un=Under, Hz=Frequency	7-420 Ed2 (Draft)
1375	DSFC.RefHz	Ref=Reference, Hz=Frequency	7-420 Ed2 (Draft)
1376	DSFC.RegBndOvHz	Reg=Regulation, Bnd=Band, bandwidth, Ov=Over, override, overflow, Hz=Frequency	7-420 Ed2 (Draft)
1377	DSFC.RegBndUnHz	Reg=Regulation, Bnd=Band, bandwidth, Un=Under, Hz=Frequency	7-420 Ed2 (Draft)
1378	DSFC.RegDbOvHz	Reg=Regulation, Db=Deadband, Ov=Over, override, overflow, Hz=Frequency	7-420 Ed2 (Draft)
1379	DSFC.RegDbUnHz	Reg=Regulation, Db=Deadband, Un=Under, Hz=Frequency	7-420 Ed2 (Draft)
1380	Dsp	Displacement	7-420 Ed2 (Draft)
1381	Dsp	Displacement	7-4 Ed2.1 (Draft)
1382	DST	Daylight saving time	IEC 61850-7-1 Ed2
1383	DSTK	Fuel cell stack	7-420 Ed2
1384	DSTK.CelCnt	Cel=Cell, Cnt=Counter	7-420 Ed2 (Draft)
1385	DSTK.CelVTrCnt	Cel=Cell, V=Voltage, Tr=Trip, Cnt=Counter	7-420 Ed2 (Draft)
1386	DSTK.ClFlwRte	Cl=Cooling, coolant, cooling system (see also CE), Flw=Flow, flowing, Rte=Rate	7-420 Ed2 (Draft)
1387	DSTK.ClPres	Cl=Cooling, coolant, cooling system (see also CE), Pres=Pressure	7-420 Ed2 (Draft)
1388	DSTK.H2FlwRte	H2=Hydrogen, Flw=Flow, flowing, Rte=Rate	7-420 Ed2 (Draft)
1389	DSTK.InClTmp	In=Input, Cl=Cooling, coolant, cooling system (see also CE), Tmp=Temperature (°C)	7-420 Ed2 (Draft)
1390	DSTK.InH2Pres	In=Input, H2=Hydrogen, Pres=Pressure	7-420 Ed2 (Draft)
1391	DSTK.InOxFlwRte	In=Input, Ox=Oxidant, Flw=Flow, flowing, Rte=Rate	7-420 Ed2 (Draft)
1392	DSTK.InOxPres	In=Input, Ox=Oxidant, Pres=Pressure	7-420 Ed2 (Draft)
1393	DSTK.MaintTms	Maint=Maintenance, Tms=Time in s	7-420 Ed2 (Draft)
1394	DSTK.OutClTmp	Out=Output, Cl=Cooling, coolant, cooling system (see also CE), Tmp=Temperature (°C)	7-420 Ed2 (Draft)
1395	DSTK.OutDCA	Out=Output, DC=DC, direct current, A=Current	7-420 Ed2 (Draft)
1396	DSTK.OutDCV	Out=Output, DC=DC, direct current, V=Voltage	7-420 Ed2 (Draft)
1397	DSTK.StkARtg	Stk=Stroke, A=Current, Rtg=Rating	7-420 Ed2 (Draft)
1398	DSTK.StkEfcPct	Stk=Stroke, Efc=Efficiency, Pct=Percent, percentage	7-420 Ed2 (Draft)
1399	DSTK.StkFuelTyp	Stk=Stroke, Fuel=Fuel, Typ=Type	7-420 Ed2 (Draft)
1400	DSTK.StkLodTms	Stk=Stroke, Lod=Load, loading, Tms=Time in s	7-420 Ed2 (Draft)
1401	DSTK.StkSt	Stk=Stroke, St=Status, state	7-420 Ed2 (Draft)

1402	DSTK.StkVRtg	Stk=Stroke, V=Voltage, Rtg=Rating	7-420 Ed2 (Draft)
1403	DSTK.StkWh	Stk=Stroke, Wh=Watt hours	7-420 Ed2 (Draft)
1404	DSTK.StkWRtg	Stk=Stroke, W=Active power, Rtg=Rating	7-420 Ed2 (Draft)
1405	Dtc	Detection	7-4 Ed2.1 (Draft)
1406	DTD	Document Type Definition for an XML document	
1407	DTRC	Tracking controller	7-420 Ed2
1408	DTRC.AziDeg	Azi=Azimuth, Deg=Degrees	7-420 Ed2 (Draft)
1409	DTRC.AziDegTgt	Azi=Azimuth, Deg=Degrees, Tgt=Target	7-420 Ed2 (Draft)
1410	DTRC.ElDeg	El=Elevation, Deg=Degrees	7-420 Ed2 (Draft)
1411	DTRC.ElDegTgt	El=Elevation, Deg=Degrees, Tgt=Target	7-420 Ed2 (Draft)
1412	DTRC.IntvAzi	Intv=Interval, Azi=Azimuth	7-420 Ed2 (Draft)
1413	DTRC.IntvEl	Intv=Interval, El=Elevation	7-420 Ed2 (Draft)
1414	DTRC.IntvTm	Intv=Interval, Tm=Time	7-420 Ed2 (Draft)
1415	DTRC.MaintAziDeg	Maint=Maintenance, Azi=Azimuth, Deg=Degrees	7-420 Ed2 (Draft)
1416	DTRC.MaintElDeg	Maint=Maintenance, El=Elevation, Deg=Degrees	7-420 Ed2 (Draft)
1417	DTRC.NightAziDeg	Night=Night, Azi=Azimuth, Deg=Degrees	7-420 Ed2 (Draft)
1418	DTRC.NightElDeg	Night=Night, El=Elevation, Deg=Degrees	7-420 Ed2 (Draft)
1419	DTRC.SnwAziDeg	Snw=Snow, Azi=Azimuth, Deg=Degrees	7-420 Ed2 (Draft)
1420	DTRC.SnwElDeg	Snw=Snow, El=Elevation, Deg=Degrees	7-420 Ed2 (Draft)
1421	DTRC.StormAziDeg	Storm=Storm, Azi=Azimuth, Deg=Degrees	7-420 Ed2 (Draft)
1422	DTRC.StormElDeg	Storm=Storm, El=Elevation, Deg=Degrees	7-420 Ed2 (Draft)
1423	DTRC.StowAziDeg	Stow=Stow, Azi=Azimuth, Deg=Degrees	7-420 Ed2 (Draft)
1424	DTRC.StowElDeg	Stow=Stow, El=Elevation, Deg=Degrees	7-420 Ed2 (Draft)
1425	DTRC.TrkAlm	alarm condition	7-420 Ed2 (Draft)
1426	DTRC.TrkCtl	Trk=Track, tracking, Ctl=Control	7-420 Ed2 (Draft)
1427	DTRC.TrkSt	Trk=Track, tracking, St=Status, state	7-420 Ed2 (Draft)
1428	DTRC.TrkTech	Trk=Track, tracking, Tech=Technology	7-420 Ed2 (Draft)
1429	DTRC.TrkTyp	Trk=Track, tracking, Typ=Type	7-420 Ed2 (Draft)
1430	dupd	data-update trigger option	IEC 61850-7-2 Ed2
1431	dupd	trigger option for data-update	IEC 61850-7-3 Ed2
1432	dupd	trigger option for data-update	7-3 Ed2.1 (Draft)
1433	Dur	Duration	7-420 Ed2 (Draft)
1434	dur	duration	7-3 Ed2.1 (Draft)
1435	Dur	Duration	7-4 Ed2.1 (Draft)
1436	Dust	Dust	7-420 Ed2 (Draft)

1437	Dust	Dust	7-4 Ed2.1 (Draft)
1438	Dv	Deviation	7-420 Ed2 (Draft)
1439	Dv	Deviation	7-4 Ed2.1 (Draft)
1440	Dw	Delta Omega	7-4 Ed2.1 (Draft)
1441	EarthfaultProtectionLN		
1442	EarthfaultProtectionLN.DirMod	Dir=Direction, Mod=Mode	7-4 Ed2.1 (Draft)
1443	EarthfaultProtectionLN.FltIndRs	Flt=Fault, Ind=Indication, Rs=Reset, resettable	7-4 Ed2.1 (Draft)
1444	EarthfaultProtectionLN.GndStr	Gnd=Ground, Str=Start	7-4 Ed2.1 (Draft)
1445	Echo	Echo	7-420 Ed2 (Draft)
1446	Echo	Echo	7-4 Ed2.1 (Draft)
1447	ECN	Explicit Congestion Notification	90-5 Ed1
1448	ECP	Electrical connection point	7-420 Ed2 (Draft)
1449	ECP	Electrical connection point	7-4 Ed2.1 (Draft)
1450	Ed1 / Ed2	Edition 1 / Edition 2 of an IEC Standard	
1451	EE	External equipment	7-420 Ed2 (Draft)
1452	EE	External equipment	7-4 Ed2.1 (Draft)
1453	EF	Earth fault	7-420 Ed2 (Draft)
1454	EF	Earth fault	7-4 Ed2.1 (Draft)
1455	EF	Expedited Forwarding	90-5 Ed1
1456	Efc	Efficiency	7-420 Ed2 (Draft)
1457	Efc	Efficiency	7-4 Ed2.1 (Draft)
1458	EFN	Earth-fault neutriliser (Petersen coil)	7-420 Ed2 (Draft)
1459	EFN	Earth-fault neutriliser (Petersen coil)	7-4 Ed2.1 (Draft)
1460	EHV	Extra High Voltage	90-4 Ed1 (Draft)
1461	El	Elevation	7-420 Ed2 (Draft)
1462	El	Elevation	7-4 Ed2.1 (Draft)
1463	Em	Emission	7-420 Ed2 (Draft)
1464	Em	Emission	7-4 Ed2.1 (Draft)
1465	EMC	Electro-Magnetic Compatibility	90-4 Ed1 (Draft)
1466	Emg	Emergency	7-420 Ed2 (Draft)
1467	Emg	Emergency	7-4 Ed2.1 (Draft)
1468	EMI	Electro-Magnetic Interference	90-4 Ed1 (Draft)
1469	En	Energy	7-420 Ed2 (Draft)
1470	En	Energy	7-4 Ed2.1 (Draft)
1471	Ena	Enabled, enable, allow operation	7-420 Ed2 (Draft)

1472	ena	enable	7-3 Ed2.1 (Draft)
1473	Ena	Enabled, enable, allow operation	7-4 Ed2.1 (Draft)
1474	ENC	Controllable enumerated status	IEC 61850-7-3 Ed2
1475	Enc	Enumerated control	7-420 Ed2 (Draft)
1476	Enc	Enumerated control	7-4 Ed2.1 (Draft)
1477	Encl	Enclosure	7-420 Ed2 (Draft)
1478	Encl	Enclosure	7-4 Ed2.1 (Draft)
1479	End	End	7-420 Ed2 (Draft)
1480	end	end	7-3 Ed2.1 (Draft)
1481	End	End	7-4 Ed2.1 (Draft)
1482	EnergyLN		
1483	EnergyLN.DmdVArh	from busbar).	7-4 Ed2.1 (Draft)
1484	EnergyLN.DmdWh	from busbar).	7-4 Ed2.1 (Draft)
1485	EnergyLN.SupVArh	towards busbar).	7-4 Ed2.1 (Draft)
1486	EnergyLN.SupWh	towards busbar).	7-4 Ed2.1 (Draft)
1487	EnergyLN.TotVAh	Tot=Total, VAh=Apparent energy	7-4 Ed2.1 (Draft)
1488	EnergyLN.TotVArh	Tot=Total, VArh=Reactive energy	7-4 Ed2.1 (Draft)
1489	EnergyLN.TotWh	Tot=Total, Wh=Watt hours	7-4 Ed2.1 (Draft)
1490	ENG	Enumerated status setting	IEC 61850-7-3 Ed2
1491	Eng	Engine	7-420 Ed2 (Draft)
1492	Eng	Engine	7-4 Ed2.1 (Draft)
1493	ENS	Enumerated status	IEC 61850-7-3 Ed2
1494	Env	Environment	7-420 Ed2 (Draft)
1495	Env	Environment	7-4 Ed2.1 (Draft)
1496	EPRI	Electric Power Research Institute, Palo Alto (CA, USA) (Forschungsinstitut von etwa 700 US-amerikanischen EVUs).	
1497	ePS	electrical power system	7-3 Ed2.1 (Draft)
1498	Eq	Equalization, equal	7-420 Ed2 (Draft)
1499	Eq	Equalization, equal	7-4 Ed2.1 (Draft)
1500	EquipmentInterfaceLN		
1501	EquipmentInterfaceLN.EEHealth	EE=External equipment, Health=Health	7-4 Ed2.1 (Draft)
1502	EquipmentInterfaceLN.EEName	EE=External equipment, Name=Name (reserved for use in data objects EEName and LNName only)	7-4 Ed2.1 (Draft)
1503	EquipmentInterfaceLN.OpTmh	Op=Operate, operating/Trip order to circuit-breaker, Tmh=Time in h	7-4 Ed2.1 (Draft)
1504	Err	Error	7-420 Ed2 (Draft)

1505	Err	Error	7-4 Ed2.1 (Draft)
1506	ESP	Electronic Security Perimeter	90-5 Ed1
1507	Est	Estimated	7-420 Ed2 (Draft)
1508	Est	Estimated	7-4 Ed2.1 (Draft)
1509	ET	Event Trigger	90-5 Ed1
1510	EV	Electrical Vehicle	7-420 Ed2 (Draft)
1511	Ev	Evaluation	7-420 Ed2 (Draft)
1512	EV	Electrical Vehicle	7-4 Ed2.1 (Draft)
1513	Ev	Evaluation	7-4 Ed2.1 (Draft)
1514	eval	evaluate	7-3 Ed2.1 (Draft)
1515	Evn	Even	7-420 Ed2 (Draft)
1516	Evn	Even	7-4 Ed2.1 (Draft)
1517	EVSE	EV Supply Equipment	7-420 Ed2 (Draft)
1518	EVSE	EV Supply Equipment	7-4 Ed2.1 (Draft)
1519	Evt	Event	7-420 Ed2 (Draft)
1520	Evt	Event	7-4 Ed2.1 (Draft)
1521	Ex	External	7-420 Ed2 (Draft)
1522	EX	extended	7-3 Ed2.1 (Draft)
1523	Ex	External	7-4 Ed2.1 (Draft)
1524	Exc	Exceeded	7-420 Ed2 (Draft)
1525	Exc	Exceeded	7-4 Ed2.1 (Draft)
1526	Excl	Exclusion	7-420 Ed2 (Draft)
1527	Excl	Exclusion	7-4 Ed2.1 (Draft)
1528	ExIm	Export/import	7-420 Ed2 (Draft)
1529	ExIm	Export/import	7-4 Ed2.1 (Draft)
1530	Exp	Expired	7-420 Ed2 (Draft)
1531	Exp	Expired	7-4 Ed2.1 (Draft)
1532	Expt	Export	7-420 Ed2 (Draft)
1533	Expt	Export	7-4 Ed2.1 (Draft)
1534	Ext	Excitation	7-420 Ed2 (Draft)
1535	Ext	Excitation	7-4 Ed2.1 (Draft)
1536	F	Float	7-420 Ed2 (Draft)
1537	f	float	7-3 Ed2.1 (Draft)
1538	F	Float	7-4 Ed2.1 (Draft)
1539	F/S	Functional Standard.	8-1 Ed2

1540	FA	Fault arc	7-420 Ed2 (Draft)
1541	FA	Fault arc	7-4 Ed2.1 (Draft)
1542	Fa	"Fire all" sequence (to thyristors)	7-4 Ed2.1 (Draft)
1543	Fact	Factor	7-420 Ed2 (Draft)
1544	Fact	Factor	7-4 Ed2.1 (Draft)
1545	factor	factor	7-3 Ed2.1 (Draft)
1546	FACTS	Flexible Alternating Current Transmission Systems	90-5 Ed1
1547	Fail	Failure	7-420 Ed2 (Draft)
1548	Fail	Failure	7-4 Ed2.1 (Draft)
1549	Fan	Fan	7-420 Ed2 (Draft)
1550	Fan	Fan	7-4 Ed2.1 (Draft)
1551	FAT	Factory Acceptance Test (Fabrik-Abnahme-Test)	
1552	Fbc	Field breaker configuration	7-4 Ed2.1 (Draft)
1553	FBus	Field Bus	
1554	FC	Functional Constraint (funktionell abhängiges Daten-Attribut)	IEC 61850-7-2 Ed2
1555	FC	functional constraint	IEC 61850-7-3 Ed2
1556	FC	functional constraint	7-3 Ed2.1 (Draft)
1557	FC	Functional Constraint	8-1 Ed2
1558	FC	Functional constraint	90-5 Ed1
1559	FCD	functional constrained data	IEC 61850-7-2 Ed2
1560	FCD	Functionally Constrained Data	8-1 Ed2
1561	FCD	Functionally Constrained Data	90-5 Ed1
1562	FCDA	functional constrained data attribute	IEC 61850-7-2 Ed2
1563	FCDA	Functionally Constrained Data Attribute	90-5 Ed1
1564	FCNT	Counter	7-4 Ed2
1565	FCNT	Counter	7-410 Ed1
1566	FCNT.CntVal	Cnt=Counter, Val=Value	7-4 Ed2.1 (Draft)
1567	FCNT.Dn	Dn=Down, downstream	7-4 Ed2.1 (Draft)
1568	FCNT.Up	Up=Up, upstream	7-4 Ed2.1 (Draft)
1569	FCSD	Curve shape description	7-4 Ed2
1570	FCSD	Curve shape description	7-410 Ed1
1571	FCSD.Crv	Crv=Curve	7-4 Ed2.1 (Draft)
1572	FDIS	Final Draft International Standard (internationaler Norm-Schluss-Entwurf)	
1573	FEFI	ISO/IEC 8802-3	90-4 Ed1 (Draft)

1574	Fer	Frame error rate	7-420 Ed2 (Draft)
1575	Fer	Frame error rate	7-4 Ed2.1 (Draft)
1576	FFIL	Generic Filter	7-4 Ed2
1577	FFIL	Generic Filter	7-410 Ed1
1578	FFIL.Db	Db=Deadband	7-4 Ed2.1 (Draft)
1579	FFIL.ErrTerm	Err=Error, Term=Termination	7-4 Ed2.1 (Draft)
1580	FFIL.FilTyp	Fil=Filter, filtration system, Typ=Type	7-4 Ed2.1 (Draft)
1581	FFIL.KLd	K=Constant, Ld=Lead	7-4 Ed2.1 (Draft)
1582	FFIL.KLg	K=Constant, Lg=Lag	7-4 Ed2.1 (Draft)
1583	FFIL.KP	K=Constant, P=Proportional	7-4 Ed2.1 (Draft)
1584	FFIL.Tm1LdTmms	Tm=Time, 1=?, Ld=Lead, Tmms=Time in ms	7-4 Ed2.1 (Draft)
1585	FFIL.Tm1Tmms	Tm=Time, 1=?, Tmms=Time in ms	7-4 Ed2.1 (Draft)
1586	FFIL.Tm2LdTmms	Tm=Time, 2=?, Ld=Lead, Tmms=Time in ms	7-4 Ed2.1 (Draft)
1587	FFIL.Tm2Tmms	Tm=Time, 2=?, Tmms=Time in ms	7-4 Ed2.1 (Draft)
1588	FFIL.Tm3Tmms	Tm=Time, 3=?, Tmms=Time in ms	7-4 Ed2.1 (Draft)
1589	FHBT		
1590	FHBT.Bt	Bt=Heartbeat	7-410 Ed2 (Draft)
1591	FHBT.Cnt	Cnt=Counter	7-410 Ed2 (Draft)
1592	FHBT.DlOffTmms	Dl=Delay, Off=Off, device disengaged, not running, Tmms=Time in ms	7-410 Ed2 (Draft)
1593	FHBT.DlOnTmms	Dl=Delay, On=On, device applied, running, Tmms=Time in ms	7-410 Ed2 (Draft)
1594	Fil	Filter, filtration system	7-420 Ed2 (Draft)
1595	Fil	Filter, filtration system	7-4 Ed2.1 (Draft)
1596	Fish	Fish	7-420 Ed2 (Draft)
1597	Fish	Fish	7-4 Ed2.1 (Draft)
1598	Fix	Fixed	7-420 Ed2 (Draft)
1599	Fix	Fixed	7-4 Ed2.1 (Draft)
1600	Fld	Field	7-420 Ed2 (Draft)
1601	Fld	Field	7-4 Ed2.1 (Draft)
1602	FLIM	Control function output limitation	7-4 Ed2
1603	FLIM	Control function output limitation	7-410 Ed1
1604	FLIM.HiLim	Hi=High, highest, Lim=Limit	7-4 Ed2.1 (Draft)
1605	FLIM.HiLimSpt	Hi=High, highest, Lim=Limit, Spt=Setpoint	7-4 Ed2.1 (Draft)
1606	FLIM.LoLim	Lo=Low (state or value), Lim=Limit	7-4 Ed2.1 (Draft)
1607	FLIM.LoLimSpt	Lo=Low (state or value), Lim=Limit, Spt=Setpoint	7-4 Ed2.1 (Draft)
1608	Fll	Fall	7-420 Ed2 (Draft)

1609	Fll	Fall	7-4 Ed2.1 (Draft)
1610	Flm	Flame	7-4 Ed2.1 (Draft)
1611	Flood	Flood	7-420 Ed2 (Draft)
1612	Flood	Flood	7-4 Ed2.1 (Draft)
1613	Flsh	Flash, flashing	7-420 Ed2 (Draft)
1614	Flsh	Flash, flashing	7-4 Ed2.1 (Draft)
1615	Flt	Fault	7-420 Ed2 (Draft)
1616	Flt	Fault	7-4 Ed2.1 (Draft)
1617	Flush	Flush	7-420 Ed2 (Draft)
1618	Flush	Flush	7-4 Ed2.1 (Draft)
1619	Flw	Flow, flowing	7-420 Ed2 (Draft)
1620	Flw	Flow, flowing	7-4 Ed2.1 (Draft)
1621	FMAR		
1622	FMAR.DepRef	Dep=Dependent, Ref=Reference	7-420 Ed2 (Draft)
1623	FMAR.DepRefStop	Dep=Dependent, Ref=Reference, Stop=Stop	7-420 Ed2 (Draft)
1624	FMAR.DepRefStr	Dep=Dependent, Ref=Reference, Str=Start	7-420 Ed2 (Draft)
1625	FMAR.DepSnptRef	Dep=Dependent, Snpt=Snapshot, Ref=Reference	7-420 Ed2 (Draft)
1626	FMAR.IndpUnt	Indp=Independent, Unt=Unit, production unit	7-420 Ed2 (Draft)
1627	FMAR.PairArr	Pair=Pair, paired, Arr=Array	7-420 Ed2 (Draft)
1628	FMAR.RmpDecTmm	Rmp=Ramping, ramp, Dec=Decrease, Tmm=Time in min	7-420 Ed2 (Draft)
1629	FMAR.RmpIncTmm	Rmp=Ramping, ramp, Inc=Integer control, Tmm=Time in min	7-420 Ed2 (Draft)
1630	FMAR.RmpPT1Tms	Rmp=Ramping, ramp, PT1=Low-pass exponential time rate filter, Tms=Time in s	7-420 Ed2 (Draft)
1631	FMAR.RmpRsUp	Rmp=Ramping, ramp, Rs=Reset, resettable, Up=Up, upstream	7-420 Ed2 (Draft)
1632	Fol	Follower, following	7-420 Ed2 (Draft)
1633	Fol	Follower, following	7-4 Ed2.1 (Draft)
1634	Forc	Forced	7-420 Ed2 (Draft)
1635	Forc	Forced	7-4 Ed2.1 (Draft)
1636	FPF	forward power flow	7-4 Ed2.1 (Draft)
1637	FPFW		
1638	FPFW.PFCtlWEna	PF=Power factor, Ctl=Control, W=Active power, Ena=Enabled, enable, allow operation	7-420 Ed2 (Draft)
1639	FPFW.PFExtStop	True = Underexcited; False = Overexcited	7-420 Ed2 (Draft)
1640	FPFW.PFExtStr	True = Underexcited; False = Overexcited	7-420 Ed2 (Draft)
1641	FPFW.PFStop	PF=Power factor, Stop=Stop	7-420 Ed2 (Draft)

1642	FPFW.PFStr	PF=Power factor, Str=Start	7-420 Ed2 (Draft)
1643	FPFW.WStop	W=Active power, Stop=Stop	7-420 Ed2 (Draft)
1644	FPFW.WStr	W=Active power, Str=Start	7-420 Ed2 (Draft)
1645	FPID	PID regulator	7-4 Ed2
1646	FPID	PID regulator	7-410 Ed1
1647	FPID.Bias	Bias=Bias	7-4 Ed2.1 (Draft)
1648	FPID.DAct	D=Derivate, Act=Action, activity, active, activate	7-4 Ed2.1 (Draft)
1649	FPID.DFilTmms	D=Derivate, Fil=Filter, filtration system, Tmms=Time in ms	7-4 Ed2.1 (Draft)
1650	FPID.Droop	Droop=Droop	7-4 Ed2.1 (Draft)
1651	FPID.DTmms	D=Derivate, Tmms=Time in ms	7-4 Ed2.1 (Draft)
1652	FPID.ErrTerm	Err=Error, Term=Termination	7-4 Ed2.1 (Draft)
1653	FPID.IAct	I=Integral, integration, Act=Action, activity, active, activate	7-4 Ed2.1 (Draft)
1654	FPID.ILim	I=Integral, integration, Lim=Limit	7-4 Ed2.1 (Draft)
1655	FPID.ITmms	I=Integral, integration, Tmms=Time in ms	7-4 Ed2.1 (Draft)
1656	FPID.KD	K=Constant, D=Derivate	7-4 Ed2.1 (Draft)
1657	FPID.KI	K=Constant, I=Integral, integration	7-4 Ed2.1 (Draft)
1658	FPID.KP	K=Constant, P=Proportional	7-4 Ed2.1 (Draft)
1659	FPID.PAct	P=Proportional, Act=Action, activity, active, activate	7-4 Ed2.1 (Draft)
1660	FPID.PIDAlg	P=Proportional, I=Integral, integration, D=Derivate, Alg=Algorithm	7-4 Ed2.1 (Draft)
1661	FPM	Fuel processing module	7-4 Ed2.1 (Draft)
1662	fr	frozen	7-3 Ed2.1 (Draft)
1663	frequency	frequency	7-3 Ed2.1 (Draft)
1664	FrequencyProtectionLN		
1665	FrequencyProtectionLN.BlkV	Blk=Block, blocked, V=Voltage	7-4 Ed2.1 (Draft)
1666	FrequencyProtectionLN.BlkVal	Blk=Block, blocked, Val=Value	7-4 Ed2.1 (Draft)
1667	FrequencyProtectionLN.Op	Op=Operate, operating/Trip order to circuit-breaker	7-4 Ed2.1 (Draft)
1668	FrequencyProtectionLN.OpDlTmms	Op=Operate, operating/Trip order to circuit-breaker, Dl=Delay, Tmms=Time in ms	7-4 Ed2.1 (Draft)
1669	FrequencyProtectionLN.RsDlTmms	Rs=Reset, resettable, Dl=Delay, Tmms=Time in ms	7-4 Ed2.1 (Draft)
1670	FrequencyProtectionLN.Str	Str=Start	7-4 Ed2.1 (Draft)
1671	FrequencyProtectionLN.StrVal	Str=Start, Val=Value	7-4 Ed2.1 (Draft)
1672	FRMP	Ramp function	7-4 Ed2
1673	FRMP	Ramp function	7-410 Ed1
1674	FRMP.AdjSt	Adj=Adjustment, St=Status, state	7-4 Ed2.1 (Draft)
1675	FRMP.ErrTerm	Err=Error, Term=Termination	7-4 Ed2.1 (Draft)

1676	FRMP.RmpDn	Rmp=Ramping, ramp, Dn=Down, downstream	7-4 Ed2.1 (Draft)
1677	FRMP.RmpUp	Rmp=Ramping, ramp, Up=Up, upstream	7-4 Ed2.1 (Draft)
1678	FRMP.StepNg	Step=Step, Ng=Negative	7-4 Ed2.1 (Draft)
1679	FRMP.StepPs	Step=Step, Ps=Positive	7-4 Ed2.1 (Draft)
1680	FSCH		
1681	FSCH.Auto	Auto=Automatic	7-410 Ed2 (Draft)
1682	FSCH.Blk	Blk=Block, blocked	7-410 Ed2 (Draft)
1683	FSCH.DateStr	D=Derivate, ate=?, Str=Start	7-410 Ed2 (Draft)
1684	FSCH.Loc	Loc=Local	7-410 Ed2 (Draft)
1685	FSCH.TaskOn	Ta=Armature time constant, sk=?, On=On, device applied, running	7-410 Ed2 (Draft)
1686	FSEQ	Sequencer	7-420 Ed2
1687	FSEQ.Auto	Auto=Automatic	7-420 Ed2 (Draft)
1688	FSEQ.SeqStat	Seq=Sequence, Stat=Statistics/Status, position in sequence	7-420 Ed2 (Draft)
1689	FSEQ.StepPos	Step=Step, Pos=Position	7-420 Ed2 (Draft)
1690	FSEQ.Stop	Stop=Stop	7-420 Ed2 (Draft)
1691	FSEQ.StopCmpl	Stop=Stop, Cmpl=Completed, completion, complete	7-420 Ed2 (Draft)
1692	FSEQ.StrCmd	Str=Start, Cmd=Command	7-420 Ed2 (Draft)
1693	FSEQ.StrCmpl	Str=Start, Cmpl=Completed, completion, complete	7-420 Ed2 (Draft)
1694	FSPT	Set-point control function	7-410 Ed1
1695	FSPT	Set-point control function	7-4 Ed2
1696	FSPT.AdjSt	Adj=Adjustment, St=Status, state	7-4 Ed2.1 (Draft)
1697	FSPT.DvAlm	Dv=Deviation, Alm=Alarm	7-4 Ed2.1 (Draft)
1698	FSPT.ErrTerm	Err=Error, Term=Termination	7-4 Ed2.1 (Draft)
1699	FSPT.MaxRst	Max=Maximum, Rst=Restraint, restriction	7-4 Ed2.1 (Draft)
1700	FSPT.MinRst	Min=Minimum, Rst=Restraint, restriction	7-4 Ed2.1 (Draft)
1701	FSPT.Out	Out=Output	7-4 Ed2.1 (Draft)
1702	FSPT.SptChg	Spt=Setpoint, Chg=Change	7-4 Ed2.1 (Draft)
1703	FSPT.SptDir	Spt=Setpoint, Dir=Direction	7-4 Ed2.1 (Draft)
1704	FSPT.SptDn	Spt=Setpoint, Dn=Down, downstream	7-4 Ed2.1 (Draft)
1705	FSPT.SptDvAlm	Spt=Setpoint, Dv=Deviation, Alm=Alarm	7-4 Ed2.1 (Draft)
1706	FSPT.SptEndSt	Spt=Setpoint, End=End, St=Status, state	7-4 Ed2.1 (Draft)
1707	FSPT.SptMem	Spt=Setpoint, Mem=Memory	7-4 Ed2.1 (Draft)
1708	FSPT.SptUp	Spt=Setpoint, Up=Up, upstream	7-4 Ed2.1 (Draft)
1709	FSPT.SptVal	Spt=Setpoint, Val=Value	7-4 Ed2.1 (Draft)
1710	FSS	Functional Software Specification	90-5 Ed1

1711	FTP	RFC 959	90-4 Ed1 (Draft)
1712	Fu	Fuse	7-420 Ed2 (Draft)
1713	Fu	Fuse	7-4 Ed2.1 (Draft)
1714	Fuel	Fuel	7-420 Ed2 (Draft)
1715	Fuel	Fuel	7-4 Ed2.1 (Draft)
1716	Full	Full	7-420 Ed2 (Draft)
1717	Full	Full	7-4 Ed2.1 (Draft)
1718	FunctionLN		
1719	FunctionLN.Blk	Blk=Block, blocked	7-4 Ed2.1 (Draft)
1720	FunctionLN.BlkRef	Blk=Block, blocked, Ref=Reference	7-4 Ed2.1 (Draft)
1721	FunctionOutputLN.Out	Out=Output	7-4 Ed2.1 (Draft)
1722	Fwd	Forward	7-420 Ed2 (Draft)
1723	Fwd	Forward	7-4 Ed2.1 (Draft)
1724	FWHZ		
1725	FWHZ.HysEna	Hys=Hysteresis, Ena=Enabled, enable, allow operation	7-420 Ed2 (Draft)
1726	FWHZ.HzStop	Hz=Frequency, Stop=Stop	7-420 Ed2 (Draft)
1727	FWHZ.HzStopWGra	Hz=Frequency, Stop=Stop, W=Active power, Gra=Gradient	7-420 Ed2 (Draft)
1728	FWHZ.HzStr	Hz=Frequency, Str=Start	7-420 Ed2 (Draft)
1729	FWHZ.SnptW	True = Snapshot is active; False = Off, the snapshot is not a...	7-420 Ed2 (Draft)
1730	FWHZ.WCtlHzEna	W=Active power, Ctl=Control, Hz=Frequency, Ena=Enabled, enable, allow operation	7-420 Ed2 (Draft)
1731	FWHZ.WGra	W=Active power, Gra=Gradient	7-420 Ed2 (Draft)
1732	FXOT	Action at over threshold	7-4 Ed2
1733	FXOT	Action at over threshold	7-410 Ed1
1734	FXPS		
1735	FXPS.CtlMod	Ctl=Control, Mod=Mode	7-410 Ed2 (Draft)
1736	FXPS.StndQuSts	Stnd=Stand, standing, Qu=Queue, St=Status, state, s=?	7-410 Ed2 (Draft)
1737	FXPS.StrPrt	Str=Start, Prt=Parts, part	7-410 Ed2 (Draft)
1738	FXUT	Action at under threshold	7-4 Ed2
1739	FXUT	Action at under threshold	7-410 Ed1
1740	Gain	Gain	7-420 Ed2 (Draft)
1741	Gain	Gain	7-4 Ed2.1 (Draft)
1742	GAPC	Generic automatic process control	7-4 Ed2
1743	GAPC.Alm	Alm=Alarm	7-4 Ed2.1 (Draft)
1744	GAPC.DPCSO	DPCSO=Double point controllable status output	7-4 Ed2.1 (Draft)

1745	GAPC.Ind	Ind=Indication	7-4 Ed2.1 (Draft)
1746	GAPC.ISCSO	ISCSO=Integer status controllable status output	7-4 Ed2.1 (Draft)
1747	GAPC.Op	Op=Operate, operating/Trip order to circuit-breaker	7-4 Ed2.1 (Draft)
1748	GAPC.SPCSO	SPCSO=Single point controllable status output	7-4 Ed2.1 (Draft)
1749	GAPC.Str	Str=Start	7-4 Ed2.1 (Draft)
1750	GAPC.StrVal	Str=Start, Val=Value	7-4 Ed2.1 (Draft)
1751	GAPC.Wrn	Wrn=Warning	7-4 Ed2.1 (Draft)
1752	Gas	Gas	7-420 Ed2 (Draft)
1753	Gas	Gas	7-4 Ed2.1 (Draft)
1754	GateLN		
1755	GateLN.GteBlk	Gte=Gate, Blk=Block, blocked	7-410 Ed2 (Draft)
1756	GateLN.PosDn	Pos=Position, Dn=Down, downstream	7-410 Ed2 (Draft)
1757	GateLN.PosUp	Pos=Position, Up=Up, upstream	7-410 Ed2 (Draft)
1758	Gbx	Gearbox	7-420 Ed2 (Draft)
1759	Gbx	Gearbox	7-4 Ed2.1 (Draft)
1760	GC		
1761	GC_1	At least one of the attributes shall be present for a given instance of DataObject / SubDataObject.	IEC 61850-7-3 Ed2
1762	GC_1_EXCL	At most one of the data objects shall be present for a given instance.	IEC 61850-7-3 Ed2
1763	GC_2_n	All or none of the data attributes belonging to the same group (n) shall be present for a given instance of DataObject / SubDataObject.	IEC 61850-7-3 Ed2
1764	GC_2_XOR_n	All or none of a group (n) shall be present. Groups are exclusive, but one group shall be present.	IEC 61850-7-3 Ed2
1765	GC_CON_attr	A configuration data attribute shall only be present, if the (optional) specific data attribute (attr) to which this configuration relates is also present.	IEC 61850-7-3 Ed2
1766	GCM	Galois Counter Mode	90-5 Ed1
1767	GDOI	Group Domain of Interpretation	90-5 Ed1
1768	Gdv	Guide vane	7-4 Ed2.1 (Draft)
1769	Gen	General	7-420 Ed2 (Draft)
1770	Gen	General	7-4 Ed2.1 (Draft)
1771	general	general	7-3 Ed2.1 (Draft)
1772	GeneratorProtectionLN		
1773	GeneratorProtectionLN.Op	Op=Operate, operating/Trip order to circuit-breaker	7-4 Ed2.1 (Draft)
1774	GeneratorProtectionLN.Str	Str=Start	7-4 Ed2.1 (Draft)

1775	GeneratorProtectionLN.StrVal	Str=Start, Val=Value	7-4 Ed2.1 (Draft)
1776	GGIO	Generic process I/O	7-4 Ed2
1777	GGIO.Alm	Alm=Alarm	7-4 Ed2.1 (Draft)
1778	GGIO.AnIn	An=Analogue, In=Input	7-4 Ed2.1 (Draft)
1779	GGIO.AnOut	An=Analogue, Out=Output	7-4 Ed2.1 (Draft)
1780	GGIO.CntVal	Cnt=Counter, Val=Value	7-4 Ed2.1 (Draft)
1781	GGIO.DPCSO	DPCSO=Double point controllable status output	7-4 Ed2.1 (Draft)
1782	GGIO.Ind	Ind=Indication	7-4 Ed2.1 (Draft)
1783	GGIO.IntIn	Int=Integer, In=Input	7-4 Ed2.1 (Draft)
1784	GGIO.ISCSO	ISCSO=Integer status controllable status output	7-4 Ed2.1 (Draft)
1785	GGIO.SPCSO	SPCSO=Single point controllable status output	7-4 Ed2.1 (Draft)
1786	GGIO.Wrn	Wrn=Warning	7-4 Ed2.1 (Draft)
1787	GI	general interrogation	IEC 61850-7-2 Ed2
1788	GIS	Gas Isolated Switchgear (underground or compact substation, as opposed to AIS)	90-4 Ed1 (Draft)
1789	GLOG	Generic log	7-4 Ed2
1790	GLOG.LogRef	Log=Log, Ref=Reference	7-4 Ed2.1 (Draft)
1791	GLOG.LogTrg	Log=Log, Trg=Trigger	7-4 Ed2.1 (Draft)
1792	GLOG.OpCntRs	Op=Operate, operating/Trip order to circuit-breaker, Cnt=Counter, Rs=Reset, resettable	7-4 Ed2.1 (Draft)
1793	GLOG.TrgRef	Trg=Trigger, Ref=Reference	7-4 Ed2.1 (Draft)
1794	GMAC	Galois Message Authentication Code	90-5 Ed1
1795	GMC	IEC 61588	90-4 Ed1 (Draft)
1796	GMRP	IEEE 802.1D-2011, superseded by MMRP	90-4 Ed1 (Draft)
1797	Gn	Generator	7-420 Ed2 (Draft)
1798	Gn	Generator	7-4 Ed2.1 (Draft)
1799	Gnd	Ground	7-420 Ed2 (Draft)
1800	Gnd	Ground	7-4 Ed2.1 (Draft)
1801	GNSS	Global Navigation Satellite System (comprises GPS, GLONASS, Galileo)	90-4 Ed1 (Draft)
1802	GoCB	GOOSE control block	IEC 61850-7-2 Ed2
1803	Gocb	GOOSE control block	7-420 Ed2 (Draft)
1804	Gocb	GOOSE control block	7-4 Ed2.1 (Draft)
1805	GoCB	GOOSE Control Block	90-5 Ed1
1806	GoCBRef	Goose control block reference	7-420 Ed2 (Draft)

1807	GoCBRef	Goose control block reference	7-4 Ed2.1 (Draft)
1808	GoID	GOOSE frame identifier	90-4 Ed1 (Draft)
1809	GOMSFE	Generic Object Models for Substation and Feeder Equipment (generisches Objektmodell für Einrichtungen in Stationen und Einspeiseanlagen nach IEEE-SA TR 1550:1999)	
1810	GOOSE	Generic Object Oriented Substation Events (generisches Stationszustandsereignis, das per Multicast gleichzeitig an mehrereGeräte gesendet wird)	IEC 61850-7-2 IEC 61850-8
1811	GOOSE	Generic oriented object system event	IEC 61850-7-1 Ed2
1812	GOOSE	generic object oriented substation events	IEC 61850-7-2 Ed2
1813	GOOSE	Generic Object Oriented Substation Event	8-1 Ed2
1814	GOOSE	Generic Object Oriented Substation Event	90-5 Ed1
1815	GPS	Global Positioning System (time source)	
1816	GPS	Global Positioning System (time source)	5 Ed2 (Draft)
1817	GPS	Global Positioning System	8-1 Ed2
1818	Gr	Group	7-420 Ed2 (Draft)
1819	Gr	Group	7-4 Ed2.1 (Draft)
1820	Gra	Gradient	7-420 Ed2 (Draft)
1821	Gra	Gradient	7-4 Ed2.1 (Draft)
1822	Grd	Guard	7-420 Ed2 (Draft)
1823	Grd	Guard	7-4 Ed2.1 (Draft)
1824	Gri	Grid	7-420 Ed2 (Draft)
1825	Gri	Grid	7-4 Ed2.1 (Draft)
1826	Gross	Gross	7-420 Ed2 (Draft)
1827	Gross	Gross	7-4 Ed2.1 (Draft)
1828	Gs	Grease	7-420 Ed2 (Draft)
1829	Gs	Grease	7-4 Ed2.1 (Draft)
1830	GSAL	Generic security application	7-4 Ed2
1831	GSAL.AcsCtlFail	Acs=Access, Ctl=Control, Fail=Failure	7-4 Ed2.1 (Draft)
1832	GSAL.AuthFail	Auth=Authorisation, Fail=Failure	7-4 Ed2.1 (Draft)
1833	GSAL.Ina	Ina=Inactivity	7-4 Ed2.1 (Draft)
1834	GSAL.NumCntRs	Num=Number, Cnt=Counter, Rs=Reset, resettable	7-4 Ed2.1 (Draft)
1835	GSAL.OpCntRs	Op=Operate, operating/Trip order to circuit-breaker, Cnt=Counter, Rs=Reset, resettable	7-4 Ed2.1 (Draft)
1836	GSAL.SvcViol	Svc=Service, Viol=Violation	7-4 Ed2.1 (Draft)

1837	GsCB	GSSE-CONTROL-BLOCK	IEC 61850-7-2 Ed2
1838	GSE	generic substation event	IEC 61850-7-2 Ed2
1839	GSE	Generic Substation Event	8-1 Ed2
1840	GSSE	generic substation status event	IEC 61850-7-2 Ed2
1841	GSSE	Generic Substation Status Event	8-1 Ed2
1842	Gte	Gate	7-4 Ed2.1 (Draft)
1843	Gust	Gust	7-420 Ed2 (Draft)
1844	Gust	Gust	7-4 Ed2.1 (Draft)
1845	GVRP	IEEE 802.1Q-2011, superseded by MVRP	90-4 Ed1 (Draft)
1846	GW	Gateway	90-5 Ed1
1847	H	Harmonics (phase-related)	7-420 Ed2 (Draft)
1848	h	high	7-3 Ed2.1 (Draft)
1849	H	Harmonics (phase-related)	7-4 Ed2.1 (Draft)
1850	H2	Hydrogen	7-420 Ed2 (Draft)
1851	H2	Hydrogen	7-4 Ed2.1 (Draft)
1852	H2O	Water	7-420 Ed2 (Draft)
1853	H2O	Water	7-4 Ed2.1 (Draft)
1854	Ha	Harmonics (non-phase-related AC)	7-420 Ed2 (Draft)
1855	Ha	Harmonics (non-phase-related AC)	7-4 Ed2.1 (Draft)
1856	har	harmonic	7-3 Ed2.1 (Draft)
1857	HarmonicsLN		
1858	HarmonicsLN.EvTmms	Ev=Evaluation, Tmms=Time in ms	7-4 Ed2.1 (Draft)
1859	HarmonicsLN.Hz	Hz=Frequency	7-4 Ed2.1 (Draft)
1860	HarmonicsLN.HzSet	Hz=Frequency, Set=Setting	7-4 Ed2.1 (Draft)
1861	HarmonicsLN.NomA	Nom=Nominal, normalising, A=Current	7-4 Ed2.1 (Draft)
1862	HarmonicsLN.NumCyc	Num=Number, Cyc=Cycle	7-4 Ed2.1 (Draft)
1863	HarmonicsLN.ThdATmms	Thd=Total harmonic distortion, A=Current, Tmms=Time in ms	7-4 Ed2.1 (Draft)
1864	HarmonicsLN.ThdAVal	Thd=Total harmonic distortion, A=Current, Val=Value	7-4 Ed2.1 (Draft)
1865	HarmonicsLN.ThdVTmms	Thd=Total harmonic distortion, V=Voltage, Tmms=Time in ms	7-4 Ed2.1 (Draft)
1866	HarmonicsLN.ThdVVal	Thd=Total harmonic distortion, V=Voltage, Val=Value	7-4 Ed2.1 (Draft)
1867	HBRG	Turbine - generator shaft bearing	7-410 Ed1
1868	HBRG.BrgTyp	Brg=Bearing, Typ=Type	7-410 Ed2 (Draft)
1869	HBRG.OilTmpHi	Oil=Oil, Tmp=Temperature (°C), Hi=High, highest	7-410 Ed2 (Draft)
1870	HBRG.OpTmh	Op=Operate, operating/Trip order to circuit-breaker, Tmh=Time in h	7-410 Ed2 (Draft)
1871	HBRG.TmpAlm	Tmp=Temperature (°C), Alm=Alarm	7-410 Ed2 (Draft)

1872	HC	Hybrid Clock	90-4 Ed1 (Draft)
1873	HCOM	Combinator	7-410 Ed1
1874	HCOM.CrlAlm	Crl=Correlation, Alm=Alarm	7-410 Ed2 (Draft)
1875	HCOM.CrvSet	Crv=Curve, Set=Setting	7-410 Ed2 (Draft)
1876	HCOM.RbPosPct	Rb=Runner blade, Pos=Position, Pct=Percent, percentage	7-410 Ed2 (Draft)
1877	Hd	Head	7-4 Ed2.1 (Draft)
1878	HDAM	Hydropower dam	7-410 Ed1
1879	HDAM.DamTyp	D=Derivate, am=?, Typ=Type	7-410 Ed2 (Draft)
1880	HDEL	Harmonic value for DEL	IEC 61850-7-3 Ed2
1881	HDFL		
1882	HDFL.DflMan	Dfl=Deflector (used in Pelton turbines), Man=Manual	7-410 Ed2 (Draft)
1883	HDFL.OpCnt	Op=Operate, operating/Trip order to circuit-breaker, Cnt=Counter	7-410 Ed2 (Draft)
1884	HDLS	Dam leakage supervision	7-410 Ed1
1885	HDLS.Blk	Blk=Block, blocked	7-410 Ed2 (Draft)
1886	Hdr	Hydrological, hydro, water	7-4 Ed2.1 (Draft)
1887	Health	Health	7-420 Ed2 (Draft)
1888	Health	Health	7-4 Ed2.1 (Draft)
1889	Heat	Heater, heating, heat (see also Ht)	7-420 Ed2 (Draft)
1890	Heat	Heater, heating, heat (see also Ht)	7-4 Ed2.1 (Draft)
1891	HGOV		
1892	HGOV.Droop	Droop=Droop	7-410 Ed2 (Draft)
1893	HGOV.ExtSptEna	Ext=Excitation/External, Spt=Setpoint, Ena=Enabled, enable, allow operation	7-410 Ed2 (Draft)
1894	HGOV.Flt	Flt=Fault	7-410 Ed2 (Draft)
1895	HGOV.ModAct	Mod=Mode, Act=Action, activity, active, activate	7-410 Ed2 (Draft)
1896	HGOV.Out	Out=Output	7-410 Ed2 (Draft)
1897	HGPI	Gate position indicator	7-410 Ed1
1898	HGPI.GtePosDeg	Gte=Gate, Pos=Position, Deg=Degrees	7-410 Ed2 (Draft)
1899	HGPI.GtePosRad	Gte=Gate, Pos=Position, Rad=Radiation	7-410 Ed2 (Draft)
1900	HGPI.PosCm	PosC=Position phase L3, m=?	7-410 Ed2 (Draft)
1901	HGPI.PosDn	Pos=Position, Dn=Down, downstream	7-410 Ed2 (Draft)
1902	HGPI.PosUp	Pos=Position, Up=Up, upstream	7-410 Ed2 (Draft)
1903	HGTE	Dam gate	7-410 Ed1
1904	HGTE.Flw	Flw=Flow, flowing	7-410 Ed2 (Draft)
1905	HGTE.GteLoLim	Gte=Gate, Lo=Low (state or value), Lim=Limit	7-410 Ed2 (Draft)

1906	HGTE.GteTyp	Gte=Gate, Typ=Type	7-410 Ed2 (Draft)
1907	HGTE.GteUpLim	Gte=Gate, Up=Up, upstream, Lim=Limit	7-410 Ed2 (Draft)
1908	HGTE.Incr	Incr=Increment, increase	7-410 Ed2 (Draft)
1909	HGTE.PosChgIncr	PosChg=Position change, Incr=Increment, increase	7-410 Ed2 (Draft)
1910	HGTE.Tag	Tag=Tag	7-410 Ed2 (Draft)
1911	hh	high high	7-3 Ed2.1 (Draft)
1912	Hi	High, highest	7-420 Ed2 (Draft)
1913	Hi	High, highest	7-4 Ed2.1 (Draft)
1914	HITG	Intake gate	7-410 Ed1
1915	HITG.PosStep	Pos=Position, Step=Step	7-410 Ed2 (Draft)
1916	HJCL	Joint control	7-410 Ed1
1917	HJCL.ActPwrL	Act=Action, activity, active, activate, Pwr=Power, L=Lower (action)	7-410 Ed2 (Draft)
1918	HJCL.ActPwrR	Act=Action, activity, active, activate, Pwr=Power, R=Raise, increase	7-410 Ed2 (Draft)
1919	HJCL.Blk	Blk=Block, blocked	7-410 Ed2 (Draft)
1920	HJCL.ClcFlw	Clc=Calculate, calculated, Flw=Flow, flowing	7-410 Ed2 (Draft)
1921	HJCL.ClcGteSpt	Clc=Calculate, calculated, Gte=Gate, Spt=Setpoint	7-410 Ed2 (Draft)
1922	HJCL.ClcNhd	Clc=Calculate, calculated, Nhd=Net head	7-410 Ed2 (Draft)
1923	HJCL.ClcPwrSpt	Clc=Calculate, calculated, Pwr=Power, Spt=Setpoint	7-410 Ed2 (Draft)
1924	HJCL.ClcTotFlw	Clc=Calculate, calculated, Tot=Total, Flw=Flow, flowing	7-410 Ed2 (Draft)
1925	HJCL.FlwLevAlm	Flw=Flow, flowing, Lev=Level, Alm=Alarm	7-410 Ed2 (Draft)
1926	HJCL.FlwMax	Flw=Flow, flowing, Max=Maximum	7-410 Ed2 (Draft)
1927	HJCL.FlwMaxLim	Flw=Flow, flowing, Max=Maximum, Lim=Limit	7-410 Ed2 (Draft)
1928	HJCL.FlwMin	Flw=Flow, flowing, Min=Minimum	7-410 Ed2 (Draft)
1929	HJCL.FlwMinLim	Flw=Flow, flowing, Min=Minimum, Lim=Limit	7-410 Ed2 (Draft)
1930	HJCL.FlwSpt	Flw=Flow, flowing, Spt=Setpoint	7-410 Ed2 (Draft)
1931	HJCL.Gte	Gte=Gate	7-410 Ed2 (Draft)
1932	HJCL.HdrCtlMod	Hdr=Hydrological, hydro, water, Ctl=Control, Mod=Mode	7-410 Ed2 (Draft)
1933	HJCL.JCTag	J=?, C=Carbon, Tag=Tag	7-410 Ed2 (Draft)
1934	HJCL.LevSpt	Lev=Level, Spt=Setpoint	7-410 Ed2 (Draft)
1935	HJCL.PosChg	PosChg=Position change	7-410 Ed2 (Draft)
1936	HJCL.TotFlwMax	Tot=Total, Flw=Flow, flowing, Max=Maximum	7-410 Ed2 (Draft)
1937	HJCL.TotFlwMaxLim	Tot=Total, Flw=Flow, flowing, Max=Maximum, Lim=Limit	7-410 Ed2 (Draft)
1938	HJCL.TotFlwMin	Tot=Total, Flw=Flow, flowing, Min=Minimum	7-410 Ed2 (Draft)
1939	HJCL.TotFlwMinLim	Tot=Total, Flw=Flow, flowing, Min=Minimum, Lim=Limit	7-410 Ed2 (Draft)
1940	HJCL.UntTag	Unt=Unit, production unit, Tag=Tag	7-410 Ed2 (Draft)

1941	HLKG	Leakage supervision	7-410 Ed1
1942	HLVL	Water level indicator	7-410 Ed1
1943	HLVL.LevM	Lev=Level, M=Minutes	7-410 Ed2 (Draft)
1944	HLVL.LevOfs	Lev=Level, Ofs=Offset	7-410 Ed2 (Draft)
1945	HLVL.Stuck	Stuck=Stuck, cannot move	7-410 Ed2 (Draft)
1946	HMBR	Mechanical brake	7-410 Ed1
1947	HMBR.BrkOff	Brk=Brake, Off=Off, device disengaged, not running	7-410 Ed2 (Draft)
1948	HMBR.OpRs	Op=Operate, operating/Trip order to circuit-breaker, Rs=Reset, resettable	7-410 Ed2 (Draft)
1949	HMI	Human Machine Interface	5 Ed2 (Draft)
1950	HMI	Human Machine Interface	90-5 Ed1
1951	HMI	Human-Machine Interface	90-4 Ed1 (Draft)
1952	HMI	Human Machine Interface (Mensch-Maschine-Schnittstelle)	
1953	HMV	Harmonic value	IEC 61850-7-3 Ed2
1954	HNDL	Needle control	7-410 Ed1
1955	HNDL.AOfsCam	A=Current, Ofs=Offset, Cam=Cam, e.g. rotating non-circular disk	7-410 Ed2 (Draft)
1956	HNDL.Crv	Crv=Curve	7-410 Ed2 (Draft)
1957	HNDL.Flw	Flw=Flow, flowing	7-410 Ed2 (Draft)
1958	HNDL.FlwPct	Flw=Flow, flowing, Pct=Percent, percentage	7-410 Ed2 (Draft)
1959	HNDL.NdlAct	Ndl=Needle (used in Pelton turbines), Act=Action, activity, active, activate	7-410 Ed2 (Draft)
1960	HNDL.NdlAutSel	Ndl=Needle (used in Pelton turbines), A=Current, ut=?, Sel=Select	7-410 Ed2 (Draft)
1961	HNDL.NdlErr	Ndl=Needle (used in Pelton turbines), Err=Error	7-410 Ed2 (Draft)
1962	HNDL.NdlMan	Ndl=Needle (used in Pelton turbines), Man=Manual	7-410 Ed2 (Draft)
1963	HNDL.NdlManNum	Ndl=Needle (used in Pelton turbines), Man=Manual, Num=Number	7-410 Ed2 (Draft)
1964	HNDL.NdlManSel	Ndl=Needle (used in Pelton turbines), Man=Manual, Sel=Select	7-410 Ed2 (Draft)
1965	HNDL.NdlMaxNum	Ndl=Needle (used in Pelton turbines), Max=Maximum, Num=Number	7-410 Ed2 (Draft)
1966	HNDL.NdlOpTmh	Ndl=Needle (used in Pelton turbines), Op=Operate, operating/Trip order to circuit-breaker, Tmh=Time in h	7-410 Ed2 (Draft)
1967	HNDL.OfsCamEna	Ofs=Offset, Cam=Cam, e.g. rotating non-circular disk, Ena=Enabled, enable, allow operation	7-410 Ed2 (Draft)
1968	HNDL.Operate	Operate=Operate order to any device	7-410 Ed2 (Draft)
1969	HNDL.Stop	Stop=Stop	7-410 Ed2 (Draft)
1970	HNHD	Water net head data	7-410 Ed1
1971	HNHD.DifPres	Dif=Differential, difference, Pres=Pressure	7-410 Ed2 (Draft)

1972	HNHD.LevOfs	Lev=Level, Ofs=Offset	7-410 Ed2 (Draft)
1973	HNHD.Nhd	Nhd=Net head	7-410 Ed2 (Draft)
1974	HNHD.Stuck	Stuck=Stuck, cannot move	7-410 Ed2 (Draft)
1975	Hold	Hold	7-420 Ed2 (Draft)
1976	Hold	Hold	7-4 Ed2.1 (Draft)
1977	Hor	Horizontal	7-420 Ed2 (Draft)
1978	Hor	Horizontal	7-4 Ed2.1 (Draft)
1979	Horn	Horn	7-4 Ed2.1 (Draft)
1980	HOTP	Dam over-topping protection	7-410 Ed1
1981	HOTP.Blk	Blk=Block, blocked	7-410 Ed2 (Draft)
1982	HOTP.OpCnt	Op=Operate, operating/Trip order to circuit-breaker, Cnt=Counter	7-410 Ed2 (Draft)
1983	HOTP.OpLev	Op=Operate, operating/Trip order to circuit-breaker, Lev=Level	7-410 Ed2 (Draft)
1984	HOTP.OpSpt	Op=Operate, operating/Trip order to circuit-breaker, Spt=Setpoint	7-410 Ed2 (Draft)
1985	HOTP.RsDITmm	Rs=Reset, resettable, D=Derivate, I=Integral, integration, Tmm=Time in min	7-410 Ed2 (Draft)
1986	HP	Hot point	7-420 Ed2 (Draft)
1987	HP	Hot point	7-4 Ed2.1 (Draft)
1988	HPh	Harmonics phase	7-420 Ed2 (Draft)
1989	HPh	Harmonics phase	7-4 Ed2.1 (Draft)
1990	hr	hour	7-3 Ed2.1 (Draft)
1991	HRES	Hydropower / water reservoir	7-410 Ed1
1992	HRES.MaxLev	Max=Maximum, Lev=Level	7-410 Ed2 (Draft)
1993	HRES.MinLev	Min=Minimum, Lev=Level	7-410 Ed2 (Draft)
1994	HRES.RegLevHi	Reg=Regulation, Lev=Level, Hi=High, highest	7-410 Ed2 (Draft)
1995	HRES.RegLevLo	Reg=Regulation, Lev=Level, Lo=Low (state or value)	7-410 Ed2 (Draft)
1996	HRES.Vlm	Vlm=Volume	7-410 Ed2 (Draft)
1997	HRES.VlmCap	Vlm=Volume, Cap=Capability, capacity	7-410 Ed2 (Draft)
1998	HRES.VlmCrv	Vlm=Volume, Crv=Curve	7-410 Ed2 (Draft)
1999	HSEQ	Hydropower unit sequencer	7-410 Ed1
2000	HSEQ.OpCntRs	Op=Operate, operating/Trip order to circuit-breaker, Cnt=Counter, Rs=Reset, resettable	7-410 Ed2 (Draft)
2001	HSEQ.PrecSeq	Prec=Precondition, initial status, Seq=Sequence	7-410 Ed2 (Draft)
2002	HSEQ.PrecStep	Prec=Precondition, initial status, Step=Step	7-410 Ed2 (Draft)
2003	HSEQ.SeqAct	Seq=Sequence, Act=Action, activity, active, activate	7-410 Ed2 (Draft)
2004	HSEQ.SeqCmpl	Seq=Sequence, Cmpl=Completed, completion, complete	7-410 Ed2 (Draft)

2005	HSEQ.SeqLimTms	Seq=Sequence, Lim=Limit, Tms=Time in s	7-410 Ed2 (Draft)
2006	HSEQ.SeqTmOut	Seq=Sequence, Tm=Time, Out=Output	7-410 Ed2 (Draft)
2007	HSEQ.StepLimTms	Step=Step, Lim=Limit, Tms=Time in s	7-410 Ed2 (Draft)
2008	HSEQ.StepOp	Step=Step, Op=Operate, operating/Trip order to circuit-breaker	7-410 Ed2 (Draft)
2009	HSEQ.StepPos	Step=Step, Pos=Position	7-410 Ed2 (Draft)
2010	HSEQ.StepTmOut	Step=Step, Tm=Time, Out=Output	7-410 Ed2 (Draft)
2011	HSEQ.StrCmd	Str=Start, Cmd=Command	7-410 Ed2 (Draft)
2012	HSEQ.StrNxt	Str=Start, Nxt=Next	7-410 Ed2 (Draft)
2013	HSPD	Speed monitoring	7-410 Ed1
2014	HSPD.DirRot	Dir=Direction, Rot=Rotation, rotor	7-410 Ed2 (Draft)
2015	HSPD.Spd	Spd=Speed	7-410 Ed2 (Draft)
2016	HSPD.SpdBrk	Spd=Speed, Brk=Brake	7-410 Ed2 (Draft)
2017	HSPD.SpdBrkSpt	Spd=Speed, Brk=Brake, Spt=Setpoint	7-410 Ed2 (Draft)
2018	HSPD.SpdCrp	Spd=Speed, Crp=Creeping, slow movement	7-410 Ed2 (Draft)
2019	HSPD.SpdCrpCtl	Spd=Speed, Crp=Creeping, slow movement, Ctl=Control	7-410 Ed2 (Draft)
2020	HSPD.SpdCrpSpt	Spd=Speed, Crp=Creeping, slow movement, Spt=Setpoint	7-410 Ed2 (Draft)
2021	HSPD.SpdExt	Spd=Speed, Ext=Excitation/External	7-410 Ed2 (Draft)
2022	HSPD.SpdExtSpt	Spd=Speed, Ext=Excitation/External, Spt=Setpoint	7-410 Ed2 (Draft)
2023	HSPD.SpdHysSpt	Spd=Speed, Hys=Hysteresis, Spt=Setpoint	7-410 Ed2 (Draft)
2024	HSPD.SpdLft	Spd=Speed, Lft=Lifting, lift	7-410 Ed2 (Draft)
2025	HSPD.SpdLftSpt	Spd=Speed, Lft=Lifting, lift, Spt=Setpoint	7-410 Ed2 (Draft)
2026	HSPD.SpdLub	Spd=Speed, Lub=Lubrication	7-410 Ed2 (Draft)
2027	HSPD.SpdLubSpt	Spd=Speed, Lub=Lubrication, Spt=Setpoint	7-410 Ed2 (Draft)
2028	HSPD.SpdMov	Spd=Speed, M=Minutes, ov=?	7-410 Ed2 (Draft)
2029	HSPD.SpdOv	Spd=Speed, Ov=Over, override, overflow	7-410 Ed2 (Draft)
2030	HSPD.SpdOvSpt	Spd=Speed, Ov=Over, override, overflow, Spt=Setpoint	7-410 Ed2 (Draft)
2031	HSPD.SpdPct	Spd=Speed, Pct=Percent, percentage	7-410 Ed2 (Draft)
2032	HSPD.SpdRb	Spd=Speed, Rb=Runner blade	7-410 Ed2 (Draft)
2033	HSPD.SpdRbSpt	Spd=Speed, Rb=Runner blade, Spt=Setpoint	7-410 Ed2 (Draft)
2034	HSPD.SpdSrc	Spd=Speed, Src=Source	7-410 Ed2 (Draft)
2035	HSPD.SpdStlSpt	Spd=Speed, Stl=Still, not moving, Spt=Setpoint	7-410 Ed2 (Draft)
2036	HSPD.SpdSyn	Spd=Speed, Syn=Synchronisation, synchronous, synchronism	7-410 Ed2 (Draft)
2037	HSPD.SpdSynSpt	Spd=Speed, Syn=Synchronisation, synchronous, synchronism, Spt=Setpoint	7-410 Ed2 (Draft)
2038	HSPD.StndStl	Stnd=Stand, standing, Stl=Still, not moving	7-410 Ed2 (Draft)

2039	HSR	High-availability Seamless Redundancy	8-1 Ed2
2040	HSR	IEC 62439-3:2012, Clause 5	90-4 Ed1 (Draft)
2041	HSST		
2042	HSST.DiaArea	Dia=Diaphragm, Area=Area	7-410 Ed2 (Draft)
2043	HSST.DiaHd	Dia=Diaphragm, Hd=Head	7-410 Ed2 (Draft)
2044	HSST.DiaHdLos	Dia=Diaphragm, Hd=Head, Los=Loss	7-410 Ed2 (Draft)
2045	HSST.DiaLev	Dia=Diaphragm, Lev=Level	7-410 Ed2 (Draft)
2046	HSST.DiaLosCff	Dia=Diaphragm, Los=Loss, Cff=Coefficient	7-410 Ed2 (Draft)
2047	HSST.GasHd	Gas=Gas, Hd=Head	7-410 Ed2 (Draft)
2048	HSST.GasVlm	Gas=Gas, Vlm=Volume	7-410 Ed2 (Draft)
2049	HSST.HdrTnkTyp	Hdr=Hydrological, hydro, water, Tnk=Tank, Typ=Type	7-410 Ed2 (Draft)
2050	HSST.PipeArea	Pi=Instantaneous real power, pe=?, Area=Area	7-410 Ed2 (Draft)
2051	HSST.PipeHd	Pi=Instantaneous real power, pe=?, Hd=Head	7-410 Ed2 (Draft)
2052	HSST.PolytrCff	Polytr=Polytropic, Cff=Coefficient	7-410 Ed2 (Draft)
2053	HSST.TnkArea	Tnk=Tank, Area=Area	7-410 Ed2 (Draft)
2054	HSST.TnkDsch	Tnk=Tank, Dsch=Discharge	7-410 Ed2 (Draft)
2055	HST	Histogram	IEC 61850-7-3 Ed2
2056	hst	histogram	7-3 Ed2.1 (Draft)
2057	Ht	Heating, heating system (see also Heat)	7-420 Ed2 (Draft)
2058	Ht	Heating, heating system (see also Heat)	7-4 Ed2.1 (Draft)
2059	Htex	Heat-exchanger	7-420 Ed2 (Draft)
2060	Htex	Heat-exchanger	7-4 Ed2.1 (Draft)
2061	HTGV		
2062	HTGV.CbrRng	Cbr=Calibration, Rng=Range	7-410 Ed2 (Draft)
2063	HTGV.ClsLim	Cls=Close, closed, Lim=Limit	7-410 Ed2 (Draft)
2064	HTGV.ClsLimHys	Cls=Close, closed, Lim=Limit, Hys=Hysteresis	7-410 Ed2 (Draft)
2065	HTGV.ClsTms	Cls=Close, closed, Tms=Time in s	7-410 Ed2 (Draft)
2066	HTGV.DithAct	Dith=Dither, Act=Action, activity, active, activate	7-410 Ed2 (Draft)
2067	HTGV.DithOfs	Dith=Dither, Ofs=Offset	7-410 Ed2 (Draft)
2068	HTGV.OpnTms	Opn=Open, opened, Tms=Time in s	7-410 Ed2 (Draft)
2069	HTGV.PinAlm	Pi=Instantaneous real power, n=?, Alm=Alarm	7-410 Ed2 (Draft)
2070	HTGV.PosSpt	Pos=Position, Spt=Setpoint	7-410 Ed2 (Draft)
2071	HTGV.RodAlm	R=Raise, increase, od=?, Alm=Alarm	7-410 Ed2 (Draft)
2072	HTGV.SMLkdCls	SM=Servo, servo-motor, Lkd=Locked, Cls=Close, closed	7-410 Ed2 (Draft)
2073	HTGV.SMLkdMint	SM=Servo, servo-motor, Lkd=Locked, Min=Minimum, t=?	7-410 Ed2 (Draft)

2074	HTGV.SMPres	SM=Servo, servo-motor, Pres=Pressure	7-410 Ed2 (Draft)
2075	HTRK		
2076	HTRK.DifPres	Dif=Differential, difference, Pres=Pressure	7-410 Ed2 (Draft)
2077	HTRK.DifPresAlm	Dif=Differential, difference, Pres=Pressure, Alm=Alarm	7-410 Ed2 (Draft)
2078	HTRK.DifPresSpt	Dif=Differential, difference, Pres=Pressure, Spt=Setpoint	7-410 Ed2 (Draft)
2079	HTRK.OpCntRs	Op=Operate, operating/Trip order to circuit-breaker, Cnt=Counter, Rs=Reset, resettable	7-410 Ed2 (Draft)
2080	HTUR		
2081	HTUR.DflMinClsTms	Dfl=Deflector (used in Pelton turbines), Min=Minimum, Cls=Close, closed, Tms=Time in s	7-410 Ed2 (Draft)
2082	HTUR.DflPres	Dfl=Deflector (used in Pelton turbines), Pres=Pressure	7-410 Ed2 (Draft)
2083	HTUR.DrtbMaxPres	Drtb=Draft tube, Max=Maximum, Pres=Pressure	7-410 Ed2 (Draft)
2084	HTUR.FlwRtgPmp	Flw=Flow, flowing, Rtg=Rating, Pmp=Pump	7-410 Ed2 (Draft)
2085	HTUR.FlwRtgTrb	Flw=Flow, flowing, Rtg=Rating, Trb=Turbine	7-410 Ed2 (Draft)
2086	HTUR.GdvClsTms	Gdv=Guide vane, Cls=Close, closed, Tms=Time in s	7-410 Ed2 (Draft)
2087	HTUR.GdvPres	Gdv=Guide vane, Pres=Pressure	7-410 Ed2 (Draft)
2088	HTUR.NhdRtgPmp	Nhd=Net head, Rtg=Rating, Pmp=Pump	7-410 Ed2 (Draft)
2089	HTUR.NhdRtgTrb	Nhd=Net head, Rtg=Rating, Trb=Turbine	7-410 Ed2 (Draft)
2090	HTUR.OpTmh	Op=Operate, operating/Trip order to circuit-breaker, Tmh=Time in h	7-410 Ed2 (Draft)
2091	HTUR.PwrRtgPmp	Pwr=Power, Rtg=Rating, Pmp=Pump	7-410 Ed2 (Draft)
2092	HTUR.PwrRtgTrb	Pwr=Power, Rtg=Rating, Trb=Turbine	7-410 Ed2 (Draft)
2093	HTUR.RotDir	Rot=Rotation, rotor, Dir=Direction	7-410 Ed2 (Draft)
2094	HTUR.RotDirPmp	Rot=Rotation, rotor, Dir=Direction, Pmp=Pump	7-410 Ed2 (Draft)
2095	HTUR.ShftFlw	Shft=Shaft, Flw=Flow, flowing	7-410 Ed2 (Draft)
2096	HTUR.ShftLkg	Shft=Shaft, Lkg=Leakage	7-410 Ed2 (Draft)
2097	HTUR.ShftPres	Shft=Shaft, Pres=Pressure	7-410 Ed2 (Draft)
2098	HTUR.SpdRtg	Spd=Speed, Rtg=Rating	7-410 Ed2 (Draft)
2099	HTUR.SpirMaxPres	Spir=Spiral, Max=Maximum, Pres=Pressure	7-410 Ed2 (Draft)
2100	HTUR.TrbIner	Trb=Turbine, Iner=Inertia	7-410 Ed2 (Draft)
2101	HTUR.TrbRwySpd	Trb=Turbine, Rwy=Runaway, e.g. in runaway speed, Spd=Speed	7-410 Ed2 (Draft)
2102	HTUR.TrbTrsSpd	Trb=Turbine, Trs=Transient, Spd=Speed	7-410 Ed2 (Draft)
2103	HTUR.TrbTyp	Trb=Turbine, Typ=Type	7-410 Ed2 (Draft)
2104	Hub	Hub	7-420 Ed2 (Draft)
2105	Hub	Hub	7-4 Ed2.1 (Draft)
2106	Hum	Humidity	7-420 Ed2 (Draft)

2107	Hum	Humidity	7-4 Ed2.1 (Draft)
2108	HUNT	Hydropower unit	7-410 Ed1
2109	HUNT.FlwRtg	Flw=Flow, flowing, Rtg=Rating	7-410 Ed2 (Draft)
2110	HUNT.FlwRtgLim	Flw=Flow, flowing, Rtg=Rating, Lim=Limit	7-410 Ed2 (Draft)
2111	HUNT.GridMod	Gri=Grid, d=?, Mod=Mode	7-410 Ed2 (Draft)
2112	HUNT.GridOpStat	Gri=Grid, d=?, Op=Operate, operating/Trip order to circuit-breaker, Stat=Statistics/Status, position in sequence	7-410 Ed2 (Draft)
2113	HUNT.Inert	Iner=Inertia, t=?	7-410 Ed2 (Draft)
2114	HUNT.LimAct	Lim=Limit, Act=Action, activity, active, activate	7-410 Ed2 (Draft)
2115	HUNT.MaxSpdLim	Max=Maximum, Spd=Speed, Lim=Limit	7-410 Ed2 (Draft)
2116	HUNT.PaOpnMod	Pa=Partial, Opn=Open, opened, Mod=Mode	7-410 Ed2 (Draft)
2117	HUNT.PwrRtgLim	Pwr=Power, Rtg=Rating, Lim=Limit	7-410 Ed2 (Draft)
2118	HUNT.ReqSt	Req=Requested, St=Status, state	7-410 Ed2 (Draft)
2119	HUNT.StepOp	Step=Step, Op=Operate, operating/Trip order to circuit-breaker	7-410 Ed2 (Draft)
2120	HUNT.StopVlv	Stop=Stop, Vlv=Valve	7-410 Ed2 (Draft)
2121	HUNT.StrNxt	Str=Start, Nxt=Next	7-410 Ed2 (Draft)
2122	HUNT.Tag	Tag=Tag	7-410 Ed2 (Draft)
2123	HUNT.UntOpMod	Unt=Unit, production unit, Op=Operate, operating/Trip order to circuit-breaker, Mod=Mode	7-410 Ed2 (Draft)
2124	HUNT.UntOpStat	Unt=Unit, production unit, Op=Operate, operating/Trip order to circuit-breaker, Stat=Statistics/Status, position in sequence	7-410 Ed2 (Draft)
2125	HUNT.VRtgLim	V=Voltage, Rtg=Rating, Lim=Limit	7-410 Ed2 (Draft)
2126	hv	harmonic value	7-3 Ed2.1 (Draft)
2127	HVLV		
2128	HVLV.CbrRng	Cbr=Calibration, Rng=Range	7-410 Ed2 (Draft)
2129	HVLV.DvAlm	Dv=Deviation, Alm=Alarm	7-410 Ed2 (Draft)
2130	HVLV.DvAlmSpt	Dv=Deviation, Alm=Alarm, Spt=Setpoint	7-410 Ed2 (Draft)
2131	HVLV.DvWrn	Dv=Deviation, Wrn=Warning	7-410 Ed2 (Draft)
2132	HVLV.DvWrnSpt	Dv=Deviation, Wrn=Warning, Spt=Setpoint	7-410 Ed2 (Draft)
2133	HVLV.SldOfsNg	Sld=Solidity, Ofs=Offset, Ng=Negative	7-410 Ed2 (Draft)
2134	HVLV.SldOfsPs	Sld=Solidity, Ofs=Offset, Ps=Positive	7-410 Ed2 (Draft)
2135	HVLV.SldStrNg	Sld=Solidity, Str=Start, Ng=Negative	7-410 Ed2 (Draft)
2136	HVLV.SldStrPs	Sld=Solidity, Str=Start, Ps=Positive	7-410 Ed2 (Draft)
2137	hw	hardware	7-3 Ed2.1 (Draft)
2138	HW	Hardware	90-5 Ed1

2139	HWCL	Water control	7-410 Ed1
2140	HWCL.ActPwrL	Act=Action, activity, active, activate, Pwr=Power, L=Lower (action)	7-410 Ed2 (Draft)
2141	HWCL.ActPwrR	Act=Action, activity, active, activate, Pwr=Power, R=Raise, increase	7-410 Ed2 (Draft)
2142	HWCL.Flw	Flw=Flow, flowing	7-410 Ed2 (Draft)
2143	HWCL.FlwLevAlm	Flw=Flow, flowing, Lev=Level, Alm=Alarm	7-410 Ed2 (Draft)
2144	HWCL.FlwMax	Flw=Flow, flowing, Max=Maximum	7-410 Ed2 (Draft)
2145	HWCL.FlwMaxLim	Flw=Flow, flowing, Max=Maximum, Lim=Limit	7-410 Ed2 (Draft)
2146	HWCL.FlwMin	Flw=Flow, flowing, Min=Minimum	7-410 Ed2 (Draft)
2147	HWCL.FlwMinLim	Flw=Flow, flowing, Min=Minimum, Lim=Limit	7-410 Ed2 (Draft)
2148	HWCL.FlwPct	Flw=Flow, flowing, Pct=Percent, percentage	7-410 Ed2 (Draft)
2149	HWCL.FlwSpt	Flw=Flow, flowing, Spt=Setpoint	7-410 Ed2 (Draft)
2150	HWCL.HdrCtlMod	Hdr=Hydrological, hydro, water, Ctl=Control, Mod=Mode	7-410 Ed2 (Draft)
2151	HWCL.HiLevDn	Hi=High, highest, Lev=Level, Dn=Down, downstream	7-410 Ed2 (Draft)
2152	HWCL.HiLevUp	Hi=High, highest, Lev=Level, Up=Up, upstream	7-410 Ed2 (Draft)
2153	HWCL.LevDnHiSpt	Lev=Level, Dn=Down, downstream, Hi=High, highest, Spt=Setpoint	7-410 Ed2 (Draft)
2154	HWCL.LevDnLoSpt	Lev=Level, Dn=Down, downstream, Lo=Low (state or value), Spt=Setpoint	7-410 Ed2 (Draft)
2155	HWCL.LevHiSpt	Lev=Level, Hi=High, highest, Spt=Setpoint	7-410 Ed2 (Draft)
2156	HWCL.LevLoSpt	Lev=Level, Lo=Low (state or value), Spt=Setpoint	7-410 Ed2 (Draft)
2157	HWCL.LevSpt	Lev=Level, Spt=Setpoint	7-410 Ed2 (Draft)
2158	HWCL.LoLevDn	Lo=Low (state or value), Lev=Level, Dn=Down, downstream	7-410 Ed2 (Draft)
2159	HWCL.LoLevUp	Lo=Low (state or value), Lev=Level, Up=Up, upstream	7-410 Ed2 (Draft)
2160	HWCL.PosChg	PosChg=Position change	7-410 Ed2 (Draft)
2161	HWCL.PosChgIncr	PosChg=Position change, Incr=Increment, increase	7-410 Ed2 (Draft)
2162	HWCL.PskPres	Psk=Penstock, Pres=Pressure	7-410 Ed2 (Draft)
2163	HWYE	Harmonic value for WYE (Oberschwingungswerte für WYE)	
2164	HWYE	Harmonic value for WYE	IEC 61850-7-3 Ed2
2165	Hy	Hydraulic, hydraulic system	7-420 Ed2 (Draft)
2166	Hy	Hydraulic, hydraulic system	7-4 Ed2.1 (Draft)
2167	Hyd	Hydrological, hydro, water	7-420 Ed2 (Draft)
2168	Hyd	Hydrological, hydro, water	7-4 Ed2.1 (Draft)
2169	HydroControlLN		
2170	HydroControlLN.BlkCls	Blk=Block, blocked, Cls=Close, closed	7-410 Ed2 (Draft)
2171	HydroControlLN.BlkOpn	Blk=Block, blocked, Opn=Open, opened	7-410 Ed2 (Draft)
2172	HydroControlLN.Cls	Cls=Close, closed	7-410 Ed2 (Draft)

2173	HydroControlLN.Mvm	Mvm=Movement, moving	7-410 Ed2 (Draft)
2174	HydroControlLN.OpCntRs	Op=Operate, operating/Trip order to circuit-breaker, Cnt=Counter, Rs=Reset, resettable	7-410 Ed2 (Draft)
2175	HydroControlLN.Opn	Opn=Open, opened	7-410 Ed2 (Draft)
2176	Hys	Hysteresis	7-420 Ed2 (Draft)
2177	Hys	Hysteresis	7-4 Ed2.1 (Draft)
2178	Hz	Frequency	7-420 Ed2 (Draft)
2179	Hz	Frequency	7-4 Ed2.1 (Draft)
2180	Hz1	Frequency at side 1	7-420 Ed2 (Draft)
2181	Hz1	Frequency at side 1	7-4 Ed2.1 (Draft)
2182	Hz2	Frequency at side 2	7-420 Ed2 (Draft)
2183	Hz2	Frequency at side 2	7-4 Ed2.1 (Draft)
2184	I	Integral, integration	7-420 Ed2 (Draft)
2185	i	integer	7-3 Ed2.1 (Draft)
2186	I	Integral, integration	7-4 Ed2.1 (Draft)
2187	I/O	Input and Output contacts or channels (depending on context)	5 Ed2 (Draft)
2188	Ia	Information available	7-420 Ed2 (Draft)
2189	Ia	Information available	7-4 Ed2.1 (Draft)
2190	Iafm	Information available force majeure	7-420 Ed2 (Draft)
2191	Iafm	Information available force majeure	7-4 Ed2.1 (Draft)
2192	IANA	Internet Assigned Numbers Authority	90-5 Ed1
2193	IANA	Internet Assigned Numbers Authority, that manages the IP addresses worldwide	90-4 Ed1 (Draft)
2194	Iano	Information available non-operative	7-420 Ed2 (Draft)
2195	Iano	Information available non-operative	7-4 Ed2.1 (Draft)
2196	Ianofo	Information available non-operative forced outage	7-420 Ed2 (Draft)
2197	Ianofo	Information available non-operative forced outage	7-4 Ed2.1 (Draft)
2198	Ianopca	Information available non-operative planned corrective action	7-420 Ed2 (Draft)
2199	Ianopca	Information available non-operative planned corrective action	7-4 Ed2.1 (Draft)
2200	Ianos	Information available non-operative suspended	7-420 Ed2 (Draft)
2201	Ianos	Information available non-operative suspended	7-4 Ed2.1 (Draft)
2202	Ianosm	Information available non-operative scheduled maintenance	7-420 Ed2 (Draft)
2203	Ianosm	Information available non-operative scheduled maintenance	7-4 Ed2.1 (Draft)
2204	Iao	Information available operative	7-420 Ed2 (Draft)
2205	Iao	Information available operative	7-4 Ed2.1 (Draft)

2206	Iaog	Information available operative generating	7-420 Ed2 (Draft)
2207	Iaog	Information available operative generating	7-4 Ed2.1 (Draft)
2208	Iaogfp	Information available operative generating with full performance	7-420 Ed2 (Draft)
2209	Iaogfp	Information available operative generating with full performance	7-4 Ed2.1 (Draft)
2210	Iaogpp	Information available operative generating with partial performance	7-420 Ed2 (Draft)
2211	Iaogpp	Information available operative generating with partial performance	7-4 Ed2.1 (Draft)
2212	Iaong	Information available operative non-generating	7-420 Ed2 (Draft)
2213	Iaong	Information available operative non-generating	7-4 Ed2.1 (Draft)
2214	Iaongel	Information available operative non-generating out of electrical specification	7-420 Ed2 (Draft)
2215	Iaongel	Information available operative non-generating out of electrical specification	7-4 Ed2.1 (Draft)
2216	Iaongen	Information available operative non-generating out of environment specification	7-420 Ed2 (Draft)
2217	Iaongen	Information available operative non-generating out of environment specification	7-4 Ed2.1 (Draft)
2218	Iaongrs	Information available operative non-generating requested shutdown	7-420 Ed2 (Draft)
2219	Iaongrs	Information available operative non-generating requested shutdown	7-4 Ed2.1 (Draft)
2220	Iaongts	Information available operative non-generating technical standby	7-420 Ed2 (Draft)
2221	Iaongts	Information available operative non-generating technical standby	7-4 Ed2.1 (Draft)
2222	IARC	Archiving	7-4 Ed2
2223	IARC.InLog	In=Input, Log=Log	7-4 Ed2.1 (Draft)
2224	IARC.InTrg	In=Input, Trg=Trigger	7-4 Ed2.1 (Draft)
2225	IARC.MaxNumRcd	Max=Maximum, Num=Number, Rcd=Record, recording	7-4 Ed2.1 (Draft)
2226	IARC.MemFull	Mem=Memory, Full=Full	7-4 Ed2.1 (Draft)
2227	IARC.MemOv	Mem=Memory, Ov=Over, override, overflow	7-4 Ed2.1 (Draft)
2228	IARC.MemUsed	Mem=Memory, Used=Used	7-4 Ed2.1 (Draft)
2229	IARC.NumRcd	Num=Number, Rcd=Record, recording	7-4 Ed2.1 (Draft)
2230	IARC.RcdMod	Rcd=Record, recording, Mod=Mode	7-4 Ed2.1 (Draft)
2231	ICCP	Inter-Control Center Communications Protocol (IEC 60870-6 TASE.2)	IEC 60870-6
2232	ICD	IED Capability Description, file that describes the objects in an IED	90-4 Ed1 (Draft)
2233	ICMP	RFC 792	90-4 Ed1 (Draft)
2234	ID	Identifier	IEC 61850-6 Ed2
2235	Id	Identity, identifier	7-420 Ed2 (Draft)
2236	id	identifier	7-3 Ed2.1 (Draft)

2237	Id	Identity, identifier	7-4 Ed2.1 (Draft)
2238	ID	Identifier	6 Ed2
2239	ID	Identification	90-5 Ed1
2240	ident	identifier	7-3 Ed2.1 (Draft)
2241	IEC	International Electrotechnical Commission	
2242	IECSA	Project on Integrated Energy and Communications Systems Architecture	
2243	IED	Intelligent Electronic Device (intelligentes elektronisches Gerät)	IEC 61850-7-1 Ed2
2244	IED	Intelligent Electronic Device	IEC 61850-6 Ed2
2245	IED	intelligent electronic device	IEC 61850-7-2 Ed2
2246	IED	Intelligent Electronic Device	6 Ed2
2247	IED	Intelligent Electronic Device	5 Ed2 (Draft)
2248	IED	Intelligent Electronic Device – any programmable or configurable device in the system	90-5 Ed1
2249	IED	IEC 61850	90-4 Ed1 (Draft)
2250	IEEE	Institute of Electrical and Electronic Engineers (Verein der Elektro- und Elektronik-Ingenieure; New York – deutsche Sektion: VDE, Frankfurt am Main)	
2251	IEEE	Institute of Electrical and Electronics Engineers	8-1 Ed2
2252	IeeeKH	Proportional gain HF (High Frequency). Defined in IEEE 421.5	7-4 Ed2.1 (Draft)
2253	IeeeKH1	Proportional gain HF positive. Defined in IEEE 421.5	7-4 Ed2.1 (Draft)
2254	IeeeKH11	Lead gain HF positive. Defined in IEEE 421.5	7-4 Ed2.1 (Draft)
2255	IeeeKH17	Lead gain HF negative. Defined in IEEE 421.5	7-4 Ed2.1 (Draft)
2256	IeeeKH2	Proportional gain HF negative. Defined in IEEE 421.5	7-4 Ed2.1 (Draft)
2257	IeeeKI	Proportional gain IF (Intermediate Frequency). Defined in IEEE 421.5	7-4 Ed2.1 (Draft)
2258	IeeeKI1	Proportional gain IF positive. Defined in IEEE 421.5	7-4 Ed2.1 (Draft)
2259	IeeeKI11	Lead gain IF positive. Defined in IEEE 421.5	7-4 Ed2.1 (Draft)
2260	IeeeKI17	Lead gain IF negative. Defined in IEEE 421.5	7-4 Ed2.1 (Draft)
2261	IeeeKI2	Proportional gain IF negative. Defined in IEEE 421.5	7-4 Ed2.1 (Draft)
2262	IeeeKL	Proportional gain LF (Low Frequency). Defined in IEEE 421.5	7-4 Ed2.1 (Draft)
2263	IeeeKL1	Proportional gain LF positive. Defined in IEEE 421.5	7-4 Ed2.1 (Draft)
2264	IeeeKL11	Lead gain LF positive. Defined in IEEE 421.5	7-4 Ed2.1 (Draft)
2265	IeeeKL17	Lead gain LF negative. Defined in IEEE 421.5	7-4 Ed2.1 (Draft)
2266	IeeeKL2	Proportional gain LF negative. Defined in IEEE 421.5	7-4 Ed2.1 (Draft)
2267	IeeeKs1	Gain Ks1. Defined in IEEE 421.5	7-4 Ed2.1 (Draft)

2268	IeeeKs2	Gain Ks2. Defined in IEEE 421.5	7-4 Ed2.1 (Draft)
2269	IeeeKs3	Gain Ks3. Defined in IEEE 421.5	7-4 Ed2.1 (Draft)
2270	IeeeM	Ramptrack lowpass degree M. Defined in IEEE 421.R	7-4 Ed2.1 (Draft)
2271	IeeeN	Ramptrack overall degree N. Defined in IEEE 421.5	7-4 Ed2.1 (Draft)
2272	IeeeT1	Time constant T1. Defined in IEEE 421.5	7-4 Ed2.1 (Draft)
2273	IeeeT10	Time constant T10. Defined in IEEE 421.5	7-4 Ed2.1 (Draft)
2274	IeeeT11	Time constant T11. Defined in IEEE 421.5	7-4 Ed2.1 (Draft)
2275	IeeeT2	Time constant T2. Defined in IEEE 421.5	7-4 Ed2.1 (Draft)
2276	IeeeT3	Time constant T3. Defined in IEEE 421.5	7-4 Ed2.1 (Draft)
2277	IeeeT4	Time constant T4. Defined in IEEE 421.5	7-4 Ed2.1 (Draft)
2278	IeeeT7	Time constant T7. Defined in IEEE 421.5	7-4 Ed2.1 (Draft)
2279	IeeeT8	Time constant T8. Defined in IEEE 421.5	7-4 Ed2.1 (Draft)
2280	IeeeT9	Time constant T8. Defined in IEEE 421.5	7-4 Ed2.1 (Draft)
2281	IeeeTH1	Time constant TH1 (High frequency positive). Defined in IEEE 421.5	7-4 Ed2.1 (Draft)
2282	IeeeTH10	Time constant TH10 (High frequency negative). Defined in IEEE 421.5	7-4 Ed2.1 (Draft)
2283	IeeeTH11	Time constant TH11 (High frequency negative). Defined in IEEE 421.5	7-4 Ed2.1 (Draft)
2284	IeeeTH12	Time constant TH12 (High frequency negative). Defined in IEEE 421.5	7-4 Ed2.1 (Draft)
2285	IeeeTH2	Time constant TH2 (High frequency positive). Defined in IEEE 421.5	7-4 Ed2.1 (Draft)
2286	IeeeTH3	Time constant TH3 (High frequency positive). Defined in IEEE 421.5	7-4 Ed2.1 (Draft)
2287	IeeeTH4	Time constant TH4 (High frequency positive). Defined in IEEE 421.5	7-4 Ed2.1 (Draft)
2288	IeeeTH5	Time constant TH5 (High frequency positive). Defined in IEEE 421.5	7-4 Ed2.1 (Draft)
2289	IeeeTH6	Time constant TH6 (High frequency positive). Defined in IEEE 421.5	7-4 Ed2.1 (Draft)
2290	IeeeTH7	Time constant TH7 (High frequency negative). Defined in IEEE 421.5	7-4 Ed2.1 (Draft)
2291	IeeeTH8	Time constant TH8 (High frequency negative). Defined in IEEE 421.5	7-4 Ed2.1 (Draft)
2292	IeeeTH9	Time constant TH9 (High frequency negative). Defined in IEEE 421.5	7-4 Ed2.1 (Draft)
2293	IeeeTI1	Time constant TI1 (Intermediate frequency positive). Defined in IEEE 421.5	7-4 Ed2.1 (Draft)
2294	IeeeTI10	Time constant TI10 (Intermediate frequency negative). Defined in IEEE 421.5	7-4 Ed2.1 (Draft)
2295	IeeeTI11	Time constant TI11 (Intermediate frequency negative). Defined in IEEE 421.5	7-4 Ed2.1 (Draft)
2296	IeeeTI12	Time constant TI12 (Intermediate frequency negative). Defined in IEEE 421.5	7-4 Ed2.1 (Draft)
2297	IeeeTI2	Time constant TI2 (Intermediate frequency positive). Defined in IEEE 421.5	7-4 Ed2.1 (Draft)

2298	IeeeTI3	Time constant TI3 (Intermediate frequency positive). Defined in IEEE 421.5	7-4 Ed2.1 (Draft)
2299	IeeeTI4	Time constant TI4 (Intermediate frequency positive). Defined in IEEE 421.5	7-4 Ed2.1 (Draft)
2300	IeeeTI5	Time constant TI5 (Intermediate frequency positive). Defined in IEEE 421.5	7-4 Ed2.1 (Draft)
2301	IeeeTI6	Time constant TI6 (Intermediate frequency positive). Defined in IEEE 421.5	7-4 Ed2.1 (Draft)
2302	IeeeTI7	Time constant TI7 (Intermediate frequency negative). Defined in IEEE 421.5	7-4 Ed2.1 (Draft)
2303	IeeeTI8	Time constant TI8 (Intermediate frequency negative). Defined in IEEE 421.5	7-4 Ed2.1 (Draft)
2304	IeeeTI9	Time constant TI9 (Intermediate frequency negative). Defined in IEEE 421.5	7-4 Ed2.1 (Draft)
2305	IeeeTL1	Time constant TL1 (Low frequency positive). Defined in IEEE 421.5	7-4 Ed2.1 (Draft)
2306	IeeeTL10	Time constant TL10 (Low frequency negative). Defined in IEEE 421.5	7-4 Ed2.1 (Draft)
2307	IeeeTL11	Time constant TL11 (Low frequency negative). Defined in IEEE 421.5	7-4 Ed2.1 (Draft)
2308	IeeeTL12	Time constant TL12 (Low frequency negative). Defined in IEEE 421.5	7-4 Ed2.1 (Draft)
2309	IeeeTL2	Time constant TL2 (Low frequency positive). Defined in IEEE 421.5	7-4 Ed2.1 (Draft)
2310	IeeeTL3	Time constant TL3 (Low frequency positive). Defined in IEEE 421.5	7-4 Ed2.1 (Draft)
2311	IeeeTL4	Time constant TL4 (Low frequency positive). Defined in IEEE 421.5	7-4 Ed2.1 (Draft)
2312	IeeeTL5	Time constant TL5 (Low frequency positive). Defined in IEEE 421.5	7-4 Ed2.1 (Draft)
2313	IeeeTL6	Time constant TL6 (Low frequency positive). Defined in IEEE 421.5	7-4 Ed2.1 (Draft)
2314	IeeeTL7	Time constant TL7 (Low frequency negative). Defined in IEEE 421.5	7-4 Ed2.1 (Draft)
2315	IeeeTL8	Time constant TL8 (Low frequency negative). Defined in IEEE 421.5	7-4 Ed2.1 (Draft)
2316	IeeeTL9	Time constant TL9 (Low frequency negative). Defined in IEEE 421.5	7-4 Ed2.1 (Draft)
2317	IeeeTw1	Time constant wash out Tw1. Defined in IEEE 421.5	7-4 Ed2.1 (Draft)
2318	IeeeTw2	Time constant wash out Tw2. Defined in IEEE 421.5	7-4 Ed2.1 (Draft)
2319	IeeeTw3	Time constant wash out Tw3. Defined in IEEE 421.5	7-4 Ed2.1 (Draft)
2320	IeeeTw4	Time constant wash out Tw4. Defined in IEEE 421.5	7-4 Ed2.1 (Draft)
2321	IeeeVHMax	Maximum limit set-point HF. Defined in IEEE 421.5	7-4 Ed2.1 (Draft)
2322	IeeeVHMin	Minimum limit set-point HF. Defined in IEEE 421.5	7-4 Ed2.1 (Draft)
2323	IeeeVIMax	Maximum limit set-point IF. Defined in IEEE 421.5	7-4 Ed2.1 (Draft)
2324	IeeeVIMin	Minimum limit set-point IF. Defined in IEEE 421.5	7-4 Ed2.1 (Draft)
2325	IeeeVLMax	Maximum limit set-point LF. Defined in IEEE 421.5	7-4 Ed2.1 (Draft)

2326	IeeeVLMin	Minimum limit set-point LF. Defined in IEEE 421.5	7-4 Ed2.1 (Draft)
2327	IeeeVsi1Max	Input High Limit 1. Defined in IEEE 421.5	7-4 Ed2.1 (Draft)
2328	IeeeVsi1Min	Input Low Limit 1. Defined in IEEE 421.5	7-4 Ed2.1 (Draft)
2329	IeeeVsi2Max	Input High Limit 2. Defined in IEEE 421.5	7-4 Ed2.1 (Draft)
2330	IeeeVsi2Min	Input Low Limit 2. Defined in IEEE 421.5	7-4 Ed2.1 (Draft)
2331	IeeeVstMax	Output High Limit. Defined in IEEE 421.5	7-4 Ed2.1 (Draft)
2332	IeeeVstMin	Output Low Limit. Defined in IEEE 421.5	7-4 Ed2.1 (Draft)
2333	IETF	Internet Engineering Task Force (Standardisierungsorganisation für Internet-Technologien)	
2334	IETF	Internet Engineering Task Force	8-1 Ed2
2335	IF	(Serial) Interface	5 Ed2 (Draft)
2336	IFIR		
2337	IFIR.Alm	Alm=Alarm	7-410 Ed2 (Draft)
2338	IFIR.AlmReset	Alm=Alarm, Res=Residual, et=?	7-410 Ed2 (Draft)
2339	IFIR.ArcDtc	Arc=Arc, Dtc=Detection	7-410 Ed2 (Draft)
2340	IFIR.FlmDtc	Flm=Flame, Dtc=Detection	7-410 Ed2 (Draft)
2341	IFIR.HeatDtc	Heat=Heater, heating, heat (see also Ht), Dtc=Detection	7-410 Ed2 (Draft)
2342	IFIR.Horn	Hor=Horizontal, n=?	7-410 Ed2 (Draft)
2343	IFIR.OpCntRs	Op=Operate, operating/Trip order to circuit-breaker, Cnt=Counter, Rs=Reset, resettable	7-410 Ed2 (Draft)
2344	IFIR.SmokDtc	Smok=Smoke, Dtc=Detection	7-410 Ed2 (Draft)
2345	IFIR.TripRs	Trip=Trip, Rs=Reset, resettable	7-410 Ed2 (Draft)
2346	IGMP	Internet Group Management Protocol	90-5 Ed1
2347	IHMI	Human machine interface	7-4 Ed2
2348	IHND		
2349	IHND.AlmReset	Alm=Alarm, Res=Residual, et=?	7-410 Ed2 (Draft)
2350	IHND.Cls	Cls=Close, closed	7-410 Ed2 (Draft)
2351	IHND.CodeCmd	C=Carbon, ode=?, Cmd=Command	7-410 Ed2 (Draft)
2352	IHND.Horn	Hor=Horizontal, n=?	7-410 Ed2 (Draft)
2353	IHND.LCmd	L=Lower (action), Cmd=Command	7-410 Ed2 (Draft)
2354	IHND.Opn	Opn=Open, opened	7-410 Ed2 (Draft)
2355	IHND.RCmd	R=Raise, increase, Cmd=Command	7-410 Ed2 (Draft)
2356	IHND.SafAlm	Saf=Safety, Alm=Alarm	7-410 Ed2 (Draft)
2357	IHND.Sel	Sel=Select	7-410 Ed2 (Draft)
2358	IHND.Stop	Stop=Stop	7-410 Ed2 (Draft)

2359	IHND.StrCmd	Str=Start, Cmd=Command	7-410 Ed2 (Draft)
2360	IHND.Trip	Trip=Trip	7-410 Ed2 (Draft)
2361	IHND.TripRs	Trip=Trip, Rs=Reset, resettable	7-410 Ed2 (Draft)
2362	IID	IED Instance Description. Describes an IED instance in a project.	90-5 Ed1
2363	Imb	Imbalance	7-420 Ed2 (Draft)
2364	Imb	Imbalance	7-4 Ed2.1 (Draft)
2365	Imp	Impedance non-phase-related AC	7-420 Ed2 (Draft)
2366	Imp	Impedance non-phase-related AC	7-4 Ed2.1 (Draft)
2367	Impact	Impact	7-420 Ed2 (Draft)
2368	Impact	Impact	7-4 Ed2.1 (Draft)
2369	Impt	Import	7-420 Ed2 (Draft)
2370	Impt	Import	7-4 Ed2.1 (Draft)
2371	In	Input	7-420 Ed2 (Draft)
2372	In	Input	7-4 Ed2.1 (Draft)
2373	Ina	Inactivity	7-420 Ed2 (Draft)
2374	Ina	Inactivity	7-4 Ed2.1 (Draft)
2375	INC	Controllable integer status	IEC 61850-7-3 Ed2
2376	Inc	Integer control	7-420 Ed2 (Draft)
2377	Inc	Integer control	7-4 Ed2.1 (Draft)
2378	Incr	Increment, increase	7-420 Ed2 (Draft)
2379	Incr	Increment, increase	7-4 Ed2.1 (Draft)
2380	Ind	Indication	7-420 Ed2 (Draft)
2381	ind	indication	7-3 Ed2.1 (Draft)
2382	Ind	Indication	7-4 Ed2.1 (Draft)
2383	Indp	Independent	7-420 Ed2 (Draft)
2384	Indp	Independent	7-4 Ed2.1 (Draft)
2385	Iner	Inertia	7-420 Ed2 (Draft)
2386	Iner	Inertia	7-4 Ed2.1 (Draft)
2387	info	information	7-3 Ed2.1 (Draft)
2388	ING	Integer status setting	IEC 61850-7-3 Ed2
2389	Inh	Inhibit	7-420 Ed2 (Draft)
2390	Inh	Inhibit	7-4 Ed2.1 (Draft)
2391	Inl	Inline	7-420 Ed2 (Draft)
2392	Inl	Inline	7-4 Ed2.1 (Draft)
2393	Inlet	Inlet	7-420 Ed2 (Draft)

2394	Inlet	Inlet	7-4 Ed2.1 (Draft)
2395	INS	Integer status	IEC 61850-7-3 Ed2
2396	Ins	Insulation	7-420 Ed2 (Draft)
2397	Ins	Insulation	7-4 Ed2.1 (Draft)
2398	Insol	Insolation	7-420 Ed2 (Draft)
2399	Insol	Insolation	7-4 Ed2.1 (Draft)
2400	Inst	Instantaneous	7-420 Ed2 (Draft)
2401	inst	instantaneous	7-3 Ed2.1 (Draft)
2402	Inst	Instantaneous	7-4 Ed2.1 (Draft)
2403	InstrumentTransformerLN		
2404	InstrumentTransformerLN.AngCor	Ang=Angle, Cor=Correction	7-4 Ed2.1 (Draft)
2405	InstrumentTransformerLN.Cor	Cor=Correction	7-4 Ed2.1 (Draft)
2406	InstrumentTransformerLN.CorCrv	Cor=Correction, Crv=Curve	7-4 Ed2.1 (Draft)
2407	InstrumentTransformerLN.HzRtg	Hz=Frequency, Rtg=Rating	7-4 Ed2.1 (Draft)
2408	InstrumentTransformerLN.Rat	Rat=Ratio	7-4 Ed2.1 (Draft)
2409	Int	Integer	7-420 Ed2 (Draft)
2410	int	internal	7-3 Ed2.1 (Draft)
2411	Int	Integer	7-4 Ed2.1 (Draft)
2412	Inte	Internal	7-420 Ed2 (Draft)
2413	IntgPd	integrity period	IEC 61850-7-2 Ed2
2414	Intl	Internal	7-420 Ed2 (Draft)
2415	Intl	Internal	7-4 Ed2.1 (Draft)
2416	Intn	Internal	7-4 Ed2.1 (Draft)
2417	Intr	Interrupt, interruption	7-420 Ed2 (Draft)
2418	Intr	Interrupt, interruption	7-4 Ed2.1 (Draft)
2419	Intv	Interval	7-420 Ed2 (Draft)
2420	Intv	Interval	7-4 Ed2.1 (Draft)
2421	Inv	Inverter, inverted, inverse	7-420 Ed2 (Draft)
2422	Inv	Inverter, inverted, inverse	7-4 Ed2.1 (Draft)
2423	IP	Internet Protocol	
2424	IP	Internet Protocol	8-1 Ed2
2425	IP	Internet Protocol	90-5 Ed1
2426	IP	RFC 791	90-4 Ed1 (Draft)
2427	IPv4	Internet Protocol version 4	90-5 Ed1
2428	IPv6	Internet Protocol version 6	90-5 Ed1

2429	IRIG-B	Inter-Range Instrumentation Group time code B	90-4 Ed1 (Draft)
2430	IS	International Standard	
2431	ISAF	Safety alarm function	7-4 Ed2
2432	ISAF	Safety alarm function	7-410 Ed1
2433	ISAF.Alm	Alm=Alarm	7-4 Ed2.1 (Draft)
2434	ISAF.AlmRs	Alm=Alarm, Rs=Reset, resettable	7-4 Ed2.1 (Draft)
2435	ISAF.OpCntRs	Op=Operate, operating/Trip order to circuit-breaker, Cnt=Counter, Rs=Reset, resettable	7-4 Ed2.1 (Draft)
2436	ISC	Integer controlled step position information	IEC 61850-7-3 Ed2
2437	Isc	Integer status control	7-420 Ed2 (Draft)
2438	Isc	Integer status control	7-4 Ed2.1 (Draft)
2439	ISCSO	Integer status controllable status output	7-420 Ed2 (Draft)
2440	ISCSO	Integer status controllable status output	7-4 Ed2.1 (Draft)
2441	Isld	Islanded	7-420 Ed2 (Draft)
2442	Isld	Islanded	7-4 Ed2.1 (Draft)
2443	Iso	Isolation	7-420 Ed2 (Draft)
2444	Iso	Isolation	7-4 Ed2.1 (Draft)
2445	ISO	International Organization for Standardization	5 Ed2 (Draft)
2446	ISO	International Standardization Organization	8-1 Ed2
2447	ITCI	Telecontrol interface	7-4 Ed2
2448	ITCI.Alm	Alm=Alarm	7-4 Ed2.1 (Draft)
2449	ITMI	Telemonitoring interface	7-4 Ed2
2450	ITPC	Teleprotection communication interfaces	7-4 Ed2
2451	ITPC.Ber	Ber=Bit error rate	7-4 Ed2.1 (Draft)
2452	ITPC.BstRat	Bst=Boost, Rat=Ratio	7-4 Ed2.1 (Draft)
2453	ITPC.CarLev	Car=Carrier, Lev=Level	7-4 Ed2.1 (Draft)
2454	ITPC.Fer	Fer=Frame error rate	7-4 Ed2.1 (Draft)
2455	ITPC.GrdRxCmd	Grd=Guard/Gradient, Rx=Receive, received, Cmd=Command	7-4 Ed2.1 (Draft)
2456	ITPC.LoopTestTm	Loop=Loop, Test=Test, Tm=Time	7-4 Ed2.1 (Draft)
2457	ITPC.LosSig	Los=Loss, Sig=Signal	7-4 Ed2.1 (Draft)
2458	ITPC.LosSyn	Los=Loss, Syn=Synchronisation, synchronous, synchronism	7-4 Ed2.1 (Draft)
2459	ITPC.NumRxCmd	Num=Number, Rx=Receive, received, Cmd=Command	7-4 Ed2.1 (Draft)
2460	ITPC.NumTxCmd	Num=Number, Tx=Transmit, transmitted, Cmd=Command	7-4 Ed2.1 (Draft)
2461	ITPC.RxBndWid	Rx=Receive, received, Bnd=Band, bandwidth, Wid=Width	7-4 Ed2.1 (Draft)
2462	ITPC.RxCmdCnt	Rx=Receive, received, Cmd=Command, Cnt=Counter	7-4 Ed2.1 (Draft)

2463	ITPC.RxCtrHz	Rx=Receive, received, Ctr=Center, Hz=Frequency	7-4 Ed2.1 (Draft)
2464	ITPC.SecTmms	Sec=Security, Tmms=Time in ms	7-4 Ed2.1 (Draft)
2465	ITPC.Snr	Snr=Signal to noise ratio	7-4 Ed2.1 (Draft)
2466	ITPC.TpcRxMod	Tpc=Teleprotection, Rx=Receive, received, Mod=Mode	7-4 Ed2.1 (Draft)
2467	ITPC.TpcTxMod	Tpc=Teleprotection, Tx=Transmit, transmitted, Mod=Mode	7-4 Ed2.1 (Draft)
2468	ITPC.TxBndWid	Tx=Transmit, transmitted, Bnd=Band, bandwidth, Wid=Width	7-4 Ed2.1 (Draft)
2469	ITPC.TxCmdCnt	Tx=Transmit, transmitted, Cmd=Command, Cnt=Counter	7-4 Ed2.1 (Draft)
2470	ITPC.TxCtrHz	Tx=Transmit, transmitted, Ctr=Center, Hz=Frequency	7-4 Ed2.1 (Draft)
2471	ITPC.TxPwr	Tx=Transmit, transmitted, Pwr=Power	7-4 Ed2.1 (Draft)
2472	Iu	Information unavailable	7-420 Ed2 (Draft)
2473	Iu	Information unavailable	7-4 Ed2.1 (Draft)
2474	Ix	Index	7-420 Ed2 (Draft)
2475	Ix	Index	7-4 Ed2.1 (Draft)
2476	Jmp	Jump	7-420 Ed2 (Draft)
2477	Jmp	Jump	7-4 Ed2.1 (Draft)
2478	Jnt	Joint	7-4 Ed2.1 (Draft)
2479	K	Constant	7-420 Ed2 (Draft)
2480	K	Constant	7-4 Ed2.1 (Draft)
2481	K0Fact	Zero-sequence (residual) compensation factor	7-420 Ed2 (Draft)
2482	K0Fact	Zero-sequence (residual) compensation factor	7-4 Ed2.1 (Draft)
2483	Kck	Kicker	7-420 Ed2 (Draft)
2484	Kck	Kicker	7-4 Ed2.1 (Draft)
2485	KDC	Key Distribution Center	90-5 Ed1
2486	Key	Key, physical control device	7-420 Ed2 (Draft)
2487	Key	Key, physical control device	7-4 Ed2.1 (Draft)
2488	KFAN	Fan	7-4 Ed2
2489	KFAN	Fan	7-410 Ed1
2490	KFAN.MaxOpTmm	Max=Maximum, Op=Operate, operating/Trip order to circuit-breaker, Tmm=Time in min	7-4 Ed2.1 (Draft)
2491	KFAN.MinOpTmm	Min=Minimum, Op=Operate, operating/Trip order to circuit-breaker, Tmm=Time in min	7-4 Ed2.1 (Draft)
2492	KFAN.OpCtl	Op=Operate, operating/Trip order to circuit-breaker, Ctl=Control	7-4 Ed2.1 (Draft)
2493	KFAN.Spd	Spd=Speed	7-4 Ed2.1 (Draft)
2494	KFAN.SpdSpt	Spd=Speed, Spt=Setpoint	7-4 Ed2.1 (Draft)
2495	KFIL	Filter	7-4 Ed2

2496	KFIL	Filter	7-410 Ed1
2497	KFIL.ACAlm	AC=AC, alternating current, Alm=Alarm	7-4 Ed2.1 (Draft)
2498	KFIL.AlmSpt	Alm=Alarm, Spt=Setpoint	7-4 Ed2.1 (Draft)
2499	KFIL.DifPresHi	Dif=Differential, difference, Pres=Pressure, Hi=High, highest	7-4 Ed2.1 (Draft)
2500	KFIL.FilAlm	Fil=Filter, filtration system, Alm=Alarm	7-4 Ed2.1 (Draft)
2501	KFIL.Flush	Flush=Flush	7-4 Ed2.1 (Draft)
2502	KFIL.FlushCnt	Flush=Flush, Cnt=Counter	7-4 Ed2.1 (Draft)
2503	KFIL.MotPro	Mot=Motor, Pro=Protection	7-4 Ed2.1 (Draft)
2504	KFIL.OpCtl	Op=Operate, operating/Trip order to circuit-breaker, Ctl=Control	7-4 Ed2.1 (Draft)
2505	KHTR		
2506	KHTR.OpCirAlm	Op=Operate, operating/Trip order to circuit-breaker, C=Carbon, ir=?, Alm=Alarm	7-410 Ed2 (Draft)
2507	KHTR.Operate	Operate=Operate order to any device	7-410 Ed2 (Draft)
2508	KHTR.OpRs	Op=Operate, operating/Trip order to circuit-breaker, Rs=Reset, resettable	7-410 Ed2 (Draft)
2509	KHTR.Tmp	Tmp=Temperature (°C)	7-410 Ed2 (Draft)
2510	KHTR.TmpSpt	Tmp=Temperature (°C), Spt=Setpoint	7-410 Ed2 (Draft)
2511	km	Kilometre	7-420 Ed2 (Draft)
2512	km	Kilometre	7-4 Ed2.1 (Draft)
2513	KPMP	Pump	7-4 Ed2
2514	KPMP	Pump	7-410 Ed1
2515	KPMP.MaxOpTmm	Max=Maximum, Op=Operate, operating/Trip order to circuit-breaker, Tmm=Time in min	7-4 Ed2.1 (Draft)
2516	KPMP.MinOpTmm	Min=Minimum, Op=Operate, operating/Trip order to circuit-breaker, Tmm=Time in min	7-4 Ed2.1 (Draft)
2517	KPMP.OpCtl	Op=Operate, operating/Trip order to circuit-breaker, Ctl=Control	7-4 Ed2.1 (Draft)
2518	KPMP.Spd	Spd=Speed	7-4 Ed2.1 (Draft)
2519	KPMP.SpdSpt	Spd=Speed, Spt=Setpoint	7-4 Ed2.1 (Draft)
2520	KTNK	Tank	7-4 Ed2
2521	KTNK	Tank	7-410 Ed1
2522	KTNK.LevPct	Lev=Level, Pct=Percent, percentage	7-4 Ed2.1 (Draft)
2523	KTNK.TnkTyp	Tnk=Tank, Typ=Type	7-4 Ed2.1 (Draft)
2524	KTNK.Vlm	Vlm=Volume	7-4 Ed2.1 (Draft)
2525	KTNK.VlmCap	Vlm=Volume, Cap=Capability, capacity	7-4 Ed2.1 (Draft)
2526	KVLV	Valve control	7-4 Ed2

2527	KVLV	Valve control	7-410 Ed1
2528	KVLV.BlkCls	Blk=Block, blocked, Cls=Close, closed	7-4 Ed2.1 (Draft)
2529	KVLV.BlkOpn	Blk=Block, blocked, Opn=Open, opened	7-4 Ed2.1 (Draft)
2530	KVLV.ClsLim	Cls=Close, closed, Lim=Limit	7-4 Ed2.1 (Draft)
2531	KVLV.ClsPos	Cls=Close, closed, Pos=Position	7-4 Ed2.1 (Draft)
2532	KVLV.Flw	Flw=Flow, flowing	7-4 Ed2.1 (Draft)
2533	KVLV.Incr	Incr=Increment, increase	7-4 Ed2.1 (Draft)
2534	KVLV.Mvm	Mvm=Movement, moving	7-4 Ed2.1 (Draft)
2535	KVLV.OpCnt	Op=Operate, operating/Trip order to circuit-breaker, Cnt=Counter	7-4 Ed2.1 (Draft)
2536	KVLV.OpnLim	Opn=Open, opened, Lim=Limit	7-4 Ed2.1 (Draft)
2537	KVLV.OpnPos	Opn=Open, opened, Pos=Position	7-4 Ed2.1 (Draft)
2538	KVLV.Pos	Pos=Position	7-4 Ed2.1 (Draft)
2539	KVLV.PosChg	PosChg=Position change	7-4 Ed2.1 (Draft)
2540	KVLV.PosChgIncr	PosChg=Position change, Incr=Increment, increase	7-4 Ed2.1 (Draft)
2541	KVLV.PosSpt	Pos=Position, Spt=Setpoint	7-4 Ed2.1 (Draft)
2542	KVLV.PosVlv	Pos=Position, Vlv=Valve	7-4 Ed2.1 (Draft)
2543	KVLV.Stuck	Stuck=Stuck, cannot move	7-4 Ed2.1 (Draft)
2544	L	Lower (action)	7-420 Ed2 (Draft)
2545	l	low	7-3 Ed2.1 (Draft)
2546	L	Lower (action)	7-4 Ed2.1 (Draft)
2547	LAN	Local Area Network	5 Ed2 (Draft)
2548	LAN	Local Area Network	8-1 Ed2
2549	LAN	Local area network	90-5 Ed1
2550	LAN	Local Area Network	90-4 Ed1 (Draft)
2551	LAN	Local Area Network	
2552	Last	Last	7-420 Ed2 (Draft)
2553	Last	Last	7-4 Ed2.1 (Draft)
2554	latitude	latitude	7-3 Ed2.1 (Draft)
2555	LBRI		
2556	LBRI.MacAddr	Mac=MAC address, Addr=Address	7-4 Ed2.1 (Draft)
2557	LBRI.MirPortRef	Mir=Mirror, Port=Port, Ref=Reference	7-4 Ed2.1 (Draft)
2558	LBRI.PortRef	Port=Port, Ref=Reference	7-4 Ed2.1 (Draft)
2559	LBRI.RstpEna	Rstp=Rapid spanning tree priority, Ena=Enabled, enable, allow operation	7-4 Ed2.1 (Draft)

2560	LBRI.RstpHelloTm	Rstp=Rapid spanning tree priority, Hello="I am alive" signal of a device, Tm=Time	7-4 Ed2.1 (Draft)
2561	LBRI.RstpMaxAgeTm	Rstp=Rapid spanning tree priority, Max=Maximum, Age=Ageing, Tm=Time	7-4 Ed2.1 (Draft)
2562	LBRI.RstpPrio	Rstp=Rapid spanning tree priority, Prio=Priority	7-4 Ed2.1 (Draft)
2563	LBRI.RstpRoot	Rstp=Rapid spanning tree priority, Root=Root	7-4 Ed2.1 (Draft)
2564	LBRI.RstpTopoCnt	Rstp=Rapid spanning tree priority, Topo=Topology, Cnt=Counter	7-4 Ed2.1 (Draft)
2565	LBRI.TestPortRef	Test=Test, Port=Port, Ref=Reference	7-4 Ed2.1 (Draft)
2566	LBSP		
2567	LBSP.RstpSt	Rstp=Rapid spanning tree priority, St=Status, state	7-4 Ed2.1 (Draft)
2568	LBSP.RstpTrunk	Rstp=Rapid spanning tree priority, Trunk=Trunk	7-4 Ed2.1 (Draft)
2569	LC	Logical Connection	5 Ed2 (Draft)
2570	LCB	log control block	IEC 61850-7-2 Ed2
2571	LCB	Log Control Block	8-1 Ed2
2572	LCCF		
2573	LCCF.ChRef	Ch=Channel, Ref=Reference	7-4 Ed2.1 (Draft)
2574	LCCF.DftPortPrio	Dft=Default, Port=Port, Prio=Priority	7-4 Ed2.1 (Draft)
2575	LCCF.DftPortVid	Dft=Default, Port=Port, Vid=VLAN identification	7-4 Ed2.1 (Draft)
2576	LCCF.VlanFil	Vlan=VLAN, Fil=Filter, filtration system	7-4 Ed2.1 (Draft)
2577	LCCH	Physical Communication channel Supervision	7-4 Ed2
2578	LCCH.ApNam	Ap=Access point, Nam=Name	7-4 Ed2.1 (Draft)
2579	LCCH.ChLiv	Ch=Channel, Liv=Live	7-4 Ed2.1 (Draft)
2580	LCCH.ChLivTms	Ch=Channel, Liv=Live, Tms=Time in s	7-4 Ed2.1 (Draft)
2581	LCCH.FerCh	Fer=Frame error rate, Ch=Channel	7-4 Ed2.1 (Draft)
2582	LCCH.InOv	In=Input, Ov=Over, override, overflow	7-4 Ed2.1 (Draft)
2583	LCCH.OutOv	Out=Output, Ov=Over, override, overflow	7-4 Ed2.1 (Draft)
2584	LCCH.RedChLiv	Red=Reduction, redundant, Ch=Channel, Liv=Live	7-4 Ed2.1 (Draft)
2585	LCCH.RedFerCh	Red=Reduction, redundant, Fer=Frame error rate, Ch=Channel	7-4 Ed2.1 (Draft)
2586	LCCH.RedRxCnt	Red=Reduction, redundant, Rx=Receive, received, Cnt=Counter	7-4 Ed2.1 (Draft)
2587	LCCH.RxCnt	Rx=Receive, received, Cnt=Counter	7-4 Ed2.1 (Draft)
2588	LCCH.TxCnt	Tx=Transmit, transmitted, Cnt=Counter	7-4 Ed2.1 (Draft)
2589	LCCHExt		
2590	LCCHExt.PortRef	Port=Port, Ref=Reference	7-4 Ed2.1 (Draft)
2591	LCCHExt.RedCfg	Red=Reduction, redundant, Cfg=Configuration	7-4 Ed2.1 (Draft)
2592	LCCHExt.RedPathId	Red=Reduction, redundant, Path=Path, Id=Identity, identifier	7-4 Ed2.1 (Draft)

2593	LCCHExt.RedPortRef	Red=Reduction, redundant, Port=Port, Ref=Reference	7-4 Ed2.1 (Draft)
2594	LD	Logical device	IEC 61850-7-1 Ed2
2595	LD	logical device (in this part of IEC 61850, the generic logical device class is defined (genLogicalDevice)	IEC 61850-7-2 Ed2
2596	Ld	Lead	7-420 Ed2 (Draft)
2597	ld	logical device	7-3 Ed2.1 (Draft)
2598	LD	logical device	7-4 Ed2.1 (Draft)
2599	Ld	Lead	7-4 Ed2.1 (Draft)
2600	LD	Logical Device	8-1 Ed2
2601	LD	Logical Device (IEC 61850)	90-5 Ed1
2602	LDC	Line drop compensation	7-420 Ed2 (Draft)
2603	LDC	Line drop compensation	7-4 Ed2.1 (Draft)
2604	LDCR	Line drop compensation resistance	7-420 Ed2 (Draft)
2605	LDCR	Line drop compensation resistance	7-4 Ed2.1 (Draft)
2606	LDCX	Line drop compensation reactance	7-420 Ed2 (Draft)
2607	LDCX	Line drop compensation reactance	7-4 Ed2.1 (Draft)
2608	LDCZ	Line drop compensation impedance	7-420 Ed2 (Draft)
2609	LDCZ	Line drop compensation impedance	7-4 Ed2.1 (Draft)
2610	ldInst	Instance identification of a Logical Device as part of its name	IEC 61850-6 Ed2
2611	ldInst	Instance identification of a Logical Device as part of its name	6 Ed2
2612	Leak	Leakage	7-420 Ed2 (Draft)
2613	Leak	Leakage	7-4 Ed2.1 (Draft)
2614	LeakageLevelSupervisionLN		
2615	LeakageLevelSupervisionLN.Flw	Flw=Flow, flowing	7-410 Ed2 (Draft)
2616	LeakageLevelSupervisionLN.LkgAlm	Lkg=Leakage, Alm=Alarm	7-410 Ed2 (Draft)
2617	LeakageLevelSupervisionLN.LkgAlmVal	Lkg=Leakage, Alm=Alarm, Val=Value	7-410 Ed2 (Draft)
2618	LeakageLevelSupervisionLN.OpCnt	Op=Operate, operating/Trip order to circuit-breaker, Cnt=Counter	7-410 Ed2 (Draft)
2619	LED	Light-emitting diode	7-420 Ed2 (Draft)
2620	LED	Light-emitting diode	7-4 Ed2.1 (Draft)
2621	Len	Length	7-420 Ed2 (Draft)
2622	Len	Length	7-4 Ed2.1 (Draft)
2623	Let	Let-thru	7-420 Ed2 (Draft)
2624	Let	Let-thru	7-4 Ed2.1 (Draft)
2625	Lev	Level	7-420 Ed2 (Draft)
2626	Lev	Level	7-4 Ed2.1 (Draft)

2627	Lft	Lifting, lift	7-420 Ed2 (Draft)
2628	Lft	Lifting, lift	7-4 Ed2.1 (Draft)
2629	Lg	Lag	7-420 Ed2 (Draft)
2630	Lg	Lag	7-4 Ed2.1 (Draft)
2631	LGOS	GOOSE subscription	7-4 Ed2
2632	LGOS.GoCBRef	GoCBRef=Goose control block reference	7-4 Ed2.1 (Draft)
2633	LGOS.LastStNum	Last=Last, St=Status, state, Num=Number	7-4 Ed2.1 (Draft)
2634	LI	Length Identifier. This value contains the length of the SI or PI with which it is associated.	90-5 Ed1
2635	Life	Lifetime	7-420 Ed2 (Draft)
2636	Life	Lifetime	7-4 Ed2.1 (Draft)
2637	Lim	Limit	7-420 Ed2 (Draft)
2638	lim	limit	7-3 Ed2.1 (Draft)
2639	Lim	Limit	7-4 Ed2.1 (Draft)
2640	Lin	Line	7-420 Ed2 (Draft)
2641	Lin	Line	7-4 Ed2.1 (Draft)
2642	LineSupervisionLN		
2643	LineSupervisionLN.InsAlm	Ins=Insulation, Alm=Alarm	7-4 Ed2.1 (Draft)
2644	LineSupervisionLN.InsBlk	Ins=Insulation, Blk=Block, blocked	7-4 Ed2.1 (Draft)
2645	LineSupervisionLN.InsLevMax	Ins=Insulation, Lev=Level, Max=Maximum	7-4 Ed2.1 (Draft)
2646	LineSupervisionLN.InsLevMin	Ins=Insulation, Lev=Level, Min=Minimum	7-4 Ed2.1 (Draft)
2647	LineSupervisionLN.InsTr	Ins=Insulation, Tr=Trip	7-4 Ed2.1 (Draft)
2648	LineSupervisionLN.Pres	Pres=Pressure	7-4 Ed2.1 (Draft)
2649	LineSupervisionLN.Tmp	Tmp=Temperature (°C)	7-4 Ed2.1 (Draft)
2650	Liv	Live	7-420 Ed2 (Draft)
2651	Liv	Live	7-4 Ed2.1 (Draft)
2652	Lkd	Locked	7-4 Ed2.1 (Draft)
2653	Lkg	Leakage	7-4 Ed2.1 (Draft)
2654	Ll	Last long (interval)	7-420 Ed2 (Draft)
2655	ll	low low	7-3 Ed2.1 (Draft)
2656	Ll	Last long (interval)	7-4 Ed2.1 (Draft)
2657	LLC	Logical Link Control	8-1 Ed2
2658	LLDP	IEEE 802.1AB	90-4 Ed1 (Draft)
2659	LLN0	Logical node zero	IEC 61850-7-1 Ed2
2660	LLN0	Logical node zero	7-4 Ed2

2661	LLN0.Beh	Beh=Behaviour	7-4 Ed2.1 (Draft)
2662	LLN0.Diag	Diag=Diagnostics	7-4 Ed2.1 (Draft)
2663	LLN0.GrRef	Gr=Group, Ref=Reference	7-4 Ed2.1 (Draft)
2664	LLN0.Health	Health=Health	7-4 Ed2.1 (Draft)
2665	LLN0.InRef	In=Input, Ref=Reference	7-4 Ed2.1 (Draft)
2666	LLN0.LEDRs	LED=Light-emitting diode, Rs=Reset, resettable	7-4 Ed2.1 (Draft)
2667	LLN0.Loc	Loc=Local	7-4 Ed2.1 (Draft)
2668	LLN0.LocKey	Loc=Local, Key=Key, physical control device	7-4 Ed2.1 (Draft)
2669	LLN0.LocSta	Loc=Local, Sta=Station, function at plant level	7-4 Ed2.1 (Draft)
2670	LLN0.MltLev	Mlt=Multiplier, multiple, Lev=Level	7-4 Ed2.1 (Draft)
2671	LLN0.Mod	Mod=Mode	7-4 Ed2.1 (Draft)
2672	LLN0.NamPlt	Nam=Name, Plt=Plate, long-term flicker severity	7-4 Ed2.1 (Draft)
2673	LN	logical node (in this part of IEC 61850, the generic logical node class is defined (genLogicalNode)	IEC 61850-7-2 Ed2
2674	ln	logical node	7-3 Ed2.1 (Draft)
2675	LN	logical node	7-4 Ed2.1 (Draft)
2676	LN	Logical Node	5 Ed2 (Draft)
2677	LN	Logical Node	8-1 Ed2
2678	LN	Logical Node (IEC 61850)	90-5 Ed1
2679	LN	Logical Node (Logischer Knoten)	IEC 61850-7-1 Ed2
2680	lnInst	Instance number of a Logical Node as part of its name	IEC 61850-6 Ed2
2681	lnInst	Instance number of a Logical Node as part of its name	6 Ed2
2682	Lo	Low (state or value)	7-420 Ed2 (Draft)
2683	Lo	Low (state or value)	7-4 Ed2.1 (Draft)
2684	Loc	Local	7-420 Ed2 (Draft)
2685	Loc	Local	7-4 Ed2.1 (Draft)
2686	location	location	7-3 Ed2.1 (Draft)
2687	Locb	Log control block	7-420 Ed2 (Draft)
2688	Locb	Log control block	7-4 Ed2.1 (Draft)
2689	Lod	Load, loading	7-420 Ed2 (Draft)
2690	Lod	Load, loading	7-4 Ed2.1 (Draft)
2691	Log	Log	7-420 Ed2 (Draft)
2692	Log	Log	7-4 Ed2.1 (Draft)
2693	Lok	Locked	7-420 Ed2 (Draft)
2694	Lok	Locked	7-4 Ed2.1 (Draft)

2695	longitude	longitude	7-3 Ed2.1 (Draft)
2696	Loop	Loop	7-420 Ed2 (Draft)
2697	Loop	Loop	7-4 Ed2.1 (Draft)
2698	Los	Loss	7-420 Ed2 (Draft)
2699	Los	Loss	7-4 Ed2.1 (Draft)
2700	LPCP		
2701	LPCP.AdminCfg	Admin=Administrative, Cfg=Configuration	7-4 Ed2.1 (Draft)
2702	LPCP.AutoNgt	Auto=Automatic, Ngt=Negotiation	7-4 Ed2.1 (Draft)
2703	LPCP.AutoNgtCfg	Auto=Automatic, Ngt=Negotiation, Cfg=Configuration	7-4 Ed2.1 (Draft)
2704	LPCP.FerPort	Fer=Frame error rate, Port=Port	7-4 Ed2.1 (Draft)
2705	LPCP.InOv	In=Input, Ov=Over, override, overflow	7-4 Ed2.1 (Draft)
2706	LPCP.Mau	Mau=Medium access unit	7-4 Ed2.1 (Draft)
2707	LPCP.MauCfg	Mau=Medium access unit, Cfg=Configuration	7-4 Ed2.1 (Draft)
2708	LPCP.MauCfgCap	Mau=Medium access unit, Cfg=Configuration, Cap=Capability, capacity	7-4 Ed2.1 (Draft)
2709	LPCP.NamPlt	This data object has been temporarily adde...	7-4 Ed2.1 (Draft)
2710	LPCP.OutOv	Out=Output, Ov=Over, override, overflow	7-4 Ed2.1 (Draft)
2711	LPCP.PhyHealth	Phy=Physical, Health=Health	7-4 Ed2.1 (Draft)
2712	LPCP.PhyNam	Phy=Physical, Nam=Name	7-4 Ed2.1 (Draft)
2713	LPCP.PortMac	Port=Port, Mac=MAC address	7-4 Ed2.1 (Draft)
2714	LPCP.PortNam	Port=Port, Nam=Name	7-4 Ed2.1 (Draft)
2715	LPCP.PortNum	Port=Port, Num=Number	7-4 Ed2.1 (Draft)
2716	LPCP.RxCnt	Rx=Receive, received, Cnt=Counter	7-4 Ed2.1 (Draft)
2717	LPCP.TxCnt	Tx=Transmit, transmitted, Cnt=Counter	7-4 Ed2.1 (Draft)
2718	LPDU	Link Protocol Data Unit	8-1 Ed2
2719	LPHD	Logical node physical device	IEC 61850-7-1 Ed2
2720	LPHD	Physical device information	7-4 Ed2
2721	LPHD.InOv	In=Input, Ov=Over, override, overflow	7-4 Ed2.1 (Draft)
2722	LPHD.NumPwrUp	Num=Number, Pwr=Power, Up=Up, upstream	7-4 Ed2.1 (Draft)
2723	LPHD.OpTmh	Op=Operate, operating/Trip order to circuit-breaker, Tmh=Time in h	7-4 Ed2.1 (Draft)
2724	LPHD.OutOv	Out=Output, Ov=Over, override, overflow	7-4 Ed2.1 (Draft)
2725	LPHD.PhyHealth	Phy=Physical, Health=Health	7-4 Ed2.1 (Draft)
2726	LPHD.PhyNam	Phy=Physical, Nam=Name	7-4 Ed2.1 (Draft)
2727	LPHD.Proxy	Proxy=Proxy	7-4 Ed2.1 (Draft)
2728	LPHD.PwrDn	Pwr=Power, Dn=Down, downstream	7-4 Ed2.1 (Draft)
2729	LPHD.PwrSupAlm	Pwr=Power, Sup=Supply, Alm=Alarm	7-4 Ed2.1 (Draft)

2730	LPHD.PwrUp	Pwr=Power, Up=Up, upstream	7-4 Ed2.1 (Draft)
2731	LPHD.RsStat	Rs=Reset, resettable, Stat=Statistics/Status, position in sequence	7-4 Ed2.1 (Draft)
2732	LPHD.Sim	Sim=Simulation, simulated	7-4 Ed2.1 (Draft)
2733	LPHD.WacTrg	Wac=Watchdog, Trg=Trigger	7-4 Ed2.1 (Draft)
2734	LPHD.WrmStr	Wrm=Warm, Str=Start	7-4 Ed2.1 (Draft)
2735	LPHDExt		
2736	LPHDExt.LdpEna	Ldp=Link discovery protocol, Ena=Enabled, enable, allow operation	7-4 Ed2.1 (Draft)
2737	LPHDExt.LocAddr	Loc=Local, Addr=Address	7-4 Ed2.1 (Draft)
2738	LPHDExt.LocAddrTyp	Loc=Local, Addr=Address, Typ=Type	7-4 Ed2.1 (Draft)
2739	LPHDExt.LocChsId	Loc=Local, Chs=Chassis, Id=Identity, identifier	7-4 Ed2.1 (Draft)
2740	LPHDExt.LocChsIdTyp	Loc=Local, Chs=Chassis, Id=Identity, identifier, Typ=Type	7-4 Ed2.1 (Draft)
2741	LPHDExt.TmpAlm	Tmp=Temperature (°C), Alm=Alarm	7-4 Ed2.1 (Draft)
2742	LPHDExt.TmpAlmSpt	Tmp=Temperature (°C), Alm=Alarm, Spt=Setpoint	7-4 Ed2.1 (Draft)
2743	LPL	Logical node name plate	IEC 61850-7-3 Ed2
2744	LPLD		
2745	LPLD.LocPortDesc	Loc=Local, Port=Port, Desc=Description	7-4 Ed2.1 (Draft)
2746	LPLD.LocPortId	Loc=Local, Port=Port, Id=Identity, identifier	7-4 Ed2.1 (Draft)
2747	LPLD.LocPortIdTyp	Loc=Local, Port=Port, Id=Identity, identifier, Typ=Type	7-4 Ed2.1 (Draft)
2748	LPLD.RemAddr	Rem=Remote, Addr=Address	7-4 Ed2.1 (Draft)
2749	LPLD.RemAddrTyp	Rem=Remote, Addr=Address, Typ=Type	7-4 Ed2.1 (Draft)
2750	LPLD.RemChsId	Rem=Remote, Chs=Chassis, Id=Identity, identifier	7-4 Ed2.1 (Draft)
2751	LPLD.RemChsIdTyp	Rem=Remote, Chs=Chassis, Id=Identity, identifier, Typ=Type	7-4 Ed2.1 (Draft)
2752	LPLD.RemPortDesc	Rem=Remote, Port=Port, Desc=Description	7-4 Ed2.1 (Draft)
2753	LPLD.RemPortId	Rem=Remote, Port=Port, Id=Identity, identifier	7-4 Ed2.1 (Draft)
2754	LPLD.RemPortIdTyp	Rem=Remote, Port=Port, Id=Identity, identifier, Typ=Type	7-4 Ed2.1 (Draft)
2755	LPLD.RemSysDesc	Rem=Remote, Sys=System, Desc=Description	7-4 Ed2.1 (Draft)
2756	Ls	Last short (interval)	7-420 Ed2 (Draft)
2757	Ls	Last short (interval)	7-4 Ed2.1 (Draft)
2758	Lst	List	7-420 Ed2 (Draft)
2759	Lst	List	7-4 Ed2.1 (Draft)
2760	LSVS	Sampled value subscription	7-4 Ed2
2761	LSVS.SvCBRef	SvCBRef=SV control block reference	7-4 Ed2.1 (Draft)
2762	LTC	Load tap changer	7-420 Ed2 (Draft)
2763	LTC	Load tap changer	7-4 Ed2.1 (Draft)
2764	LTIM	Time management	7-4 Ed2

2765	LTIM.StrWeekDay	Str=Start, Week=Week, Day=Day	7-4 Ed2.1 (Draft)
2766	LTIM.TmChgDayTm	Tm=Time, Chg=Change, Day=Day, Tm=?	7-4 Ed2.1 (Draft)
2767	LTIM.TmChgStdTm	Tm=Time, Chg=Change, Std=Standard, Tm=?	7-4 Ed2.1 (Draft)
2768	LTIM.TmDT	Tm=Time, D=Derivate, T=?	7-4 Ed2.1 (Draft)
2769	LTIM.TmOfsTmm	Tm=Time, Ofs=Offset, Tmm=Time in min	7-4 Ed2.1 (Draft)
2770	LTIM.TmUseDT	Tm=Time, Use=Use, D=Derivate, T=?	7-4 Ed2.1 (Draft)
2771	LTIMExt		
2772	LTIMExt.AltnOfsTms	Altn=Alternate, Ofs=Offset, Tms=Time in s	7-4 Ed2.1 (Draft)
2773	LTIMExt.AltnTmNam	Altn=Alternate, Tm=Time, Nam=Name	7-4 Ed2.1 (Draft)
2774	LTIMExt.CurUtcOfsTms	Cur=Current, Utc=UTC (Coordinated Universal Time), Ofs=Offset, Tms=Time in s	7-4 Ed2.1 (Draft)
2775	LTIMExt.CurUtcOfsVld	Cur=Current, Utc=UTC (Coordinated Universal Time), Ofs=Offset, Vld=Valid	7-4 Ed2.1 (Draft)
2776	LTIMExt.JmpTms	Jmp=Jump, Tms=Time in s	7-4 Ed2.1 (Draft)
2777	LTIMExt.Leap	Leap=Leap (second)	7-4 Ed2.1 (Draft)
2778	LTIMExt.NxtJmpTms	Nxt=Next, Jmp=Jump, Tms=Time in s	7-4 Ed2.1 (Draft)
2779	LTIMExt.RefHzTrk	Ref=Reference, Hz=Frequency, Trk=Track, tracking	7-4 Ed2.1 (Draft)
2780	LTIMExt.RefTmTrk	Ref=Reference, Tm=Time, Trk=Track, tracking	7-4 Ed2.1 (Draft)
2781	LTMS	Time master supervision	7-4 Ed2
2782	LTMS.TmAcc	Tm=Time, Acc=Accuracy	7-4 Ed2.1 (Draft)
2783	LTMS.TmChSt	Tm=Time, Ch=Channel, St=Status, state	7-4 Ed2.1 (Draft)
2784	LTMS.TmSrc	Tm=Time, Src=Source	7-4 Ed2.1 (Draft)
2785	LTMS.TmSrcSet	Tm=Time, Src=Source, Set=Setting	7-4 Ed2.1 (Draft)
2786	LTMS.TmSyn	Tm=Time, Syn=Synchronisation, synchronous, synchronism	7-4 Ed2.1 (Draft)
2787	LTMSExt		
2788	LTMSExt.ClkRef	Clk=Clock, Ref=Reference	7-4 Ed2.1 (Draft)
2789	LTMSExt.TmSrcId	Tm=Time, Src=Source, Id=Identity, identifier	7-4 Ed2.1 (Draft)
2790	LTPC		
2791	LTPC.ClkPortRef	Clk=Clock, Port=Port, Ref=Reference	7-4 Ed2.1 (Draft)
2792	LTPC.GmClkSt	Gm=Grandmaster, Clk=Clock, St=Status, state	7-4 Ed2.1 (Draft)
2793	LTPC.OrdClkCfg	Ord=Ordinary, Clk=Clock, Cfg=Configuration	7-4 Ed2.1 (Draft)
2794	LTPP.ClkPort	Clk=Clock, Port=Port	7-4 Ed2.1 (Draft)
2795	LTRK	Service tracking	7-4 Ed2
2796	LTRK.ApcFTrk	Apc=Analogue point control, F=Float, Trk=Track, tracking	7-4 Ed2.1 (Draft)
2797	LTRK.ApcIntTrk	Apc=Analogue point control, Int=Integer, Trk=Track, tracking	7-4 Ed2.1 (Draft)

2798	LTRK.BacTrk	Bac=Binary-controlled analogue value, Trk=Track, tracking	7-4 Ed2.1 (Draft)
2799	LTRK.BrcbTrk	Brcb=Buffered report control block, Trk=Track, tracking	7-4 Ed2.1 (Draft)
2800	LTRK.BscTrk	Bsc=Binary status control, Trk=Track, tracking	7-4 Ed2.1 (Draft)
2801	LTRK.DpcTrk	Dpc=Double point control, Trk=Track, tracking	7-4 Ed2.1 (Draft)
2802	LTRK.EncTrk	Enc=Enumerated control, Trk=Track, tracking	7-4 Ed2.1 (Draft)
2803	LTRK.GenTrk	Gen=General, Trk=Track, tracking	7-4 Ed2.1 (Draft)
2804	LTRK.GocbTrk	Gocb=GOOSE control block, Trk=Track, tracking	7-4 Ed2.1 (Draft)
2805	LTRK.IncTrk	Inc=Integer control, Trk=Track, tracking	7-4 Ed2.1 (Draft)
2806	LTRK.IscTrk	Isc=Integer status control, Trk=Track, tracking	7-4 Ed2.1 (Draft)
2807	LTRK.LocbTrk	Locb=Log control block, Trk=Track, tracking	7-4 Ed2.1 (Draft)
2808	LTRK.MsvcbTrk	Msvcb=Multicast sampled values control block, Trk=Track, tracking	7-4 Ed2.1 (Draft)
2809	LTRK.SgcbTrk	Sgcb=Setting group control block, Trk=Track, tracking	7-4 Ed2.1 (Draft)
2810	LTRK.SpcTrk	Spc=Single point control, Trk=Track, tracking	7-4 Ed2.1 (Draft)
2811	LTRK.UrcbTrk	Urcb=Unbuffered report control block, Trk=Track, tracking	7-4 Ed2.1 (Draft)
2812	LTRK.UsvcbTrk	Usvcb=Unicast sampled values control block, Trk=Track, tracking	7-4 Ed2.1 (Draft)
2813	Lu	Lubrication	7-420 Ed2 (Draft)
2814	Lu	Lubrication	7-4 Ed2.1 (Draft)
2815	Lub	Lubrication	7-4 Ed2.1 (Draft)
2816	Lum	Luminosity	7-420 Ed2 (Draft)
2817	Lum	Luminosity	7-4 Ed2.1 (Draft)
2818	M	Attribute is mandatory. Attribute shall exist on any CDC type instance.	IEC 61850-7-3 Ed2
2819	M	Minutes	7-420 Ed2 (Draft)
2820	M	Minutes	7-4 Ed2.1 (Draft)
2821	m	Mandatory – shall be implemented	90-5 Ed1
2822	M or m	Mandatory. Indicates that the service, parameter, or attribute shall be supported within an implementation	8-1 Ed2
2823	M/O/C	Mandatory/Optional/Conditional (plicht/wahlrei/bedingt)	IEC 61850
2824	M= or m=	Mandatory information that shall be equal the original information supplied in the request	8-1 Ed2
2825	MAC	Media Access Control	8-1 Ed2
2826	MAC	Media Access Control	90-5 Ed1
2827	MAC	ISO/IEC 8802-3	90-4 Ed1 (Draft)
2828	Made	Made	7-420 Ed2 (Draft)
2829	Made	Made	7-4 Ed2.1 (Draft)
2830	mag	Magnitute value of data attribute	IEC 61850-7-3

2831	Mag	Magnetic, magnitude	7-420 Ed2 (Draft)
2832	mag	magnitude	7-3 Ed2.1 (Draft)
2833	Mag	Magnetic, magnitude	7-4 Ed2.1 (Draft)
2834	Maint	Maintenance	7-420 Ed2 (Draft)
2835	Maint	Maintenance	7-4 Ed2.1 (Draft)
2836	Man	Manual	7-420 Ed2 (Draft)
2837	Man	Manual	7-4 Ed2.1 (Draft)
2838	MAP	Manufacturing Automation Protocols (80s/90s), GM et all	
2839	Mat	Material	7-420 Ed2 (Draft)
2840	Mat	Material	7-4 Ed2.1 (Draft)
2841	Max	Maximum	7-420 Ed2 (Draft)
2842	max	maximum	7-3 Ed2.1 (Draft)
2843	Max	Maximum	7-4 Ed2.1 (Draft)
2844	Mbr	Membrane	7-420 Ed2 (Draft)
2845	Mbr	Membrane	7-4 Ed2.1 (Draft)
2846	MC	multicast	IEC 61850-7-2 Ed2
2847	MC	Multicast	90-4 Ed1 (Draft)
2848	MC	IEC 61588	90-4 Ed1 (Draft)
2849	MCAA	multicast application association	IEC 61850-7-2 Ed2
2850	Mdul	Module	7-420 Ed2 (Draft)
2851	Mdul	Module	7-4 Ed2.1 (Draft)
2852	Mech	Mechanical	7-420 Ed2 (Draft)
2853	Mech	Mechanical	7-4 Ed2.1 (Draft)
2854	Media	Media	7-4 Ed2.1 (Draft)
2855	MediaSupervisionLN		
2856	MediaSupervisionLN.Activ	Activ=Activate	7-410 Ed2 (Draft)
2857	MediaSupervisionLN.ActivSpt	Activ=Activate, Spt=Setpoint	7-410 Ed2 (Draft)
2858	MediaSupervisionLN.Alm	Alm=Alarm	7-410 Ed2 (Draft)
2859	MediaSupervisionLN.AlmDlTms	Alm=Alarm, Dl=Delay, Tms=Time in s	7-410 Ed2 (Draft)
2860	MediaSupervisionLN.AlmSpt	Alm=Alarm, Spt=Setpoint	7-410 Ed2 (Draft)
2861	MediaSupervisionLN.DeActiv	De=remove, Activ=Activate	7-410 Ed2 (Draft)
2862	MediaSupervisionLN.DeActSpt	De=remove, Act=Action, activity, active, activate, Spt=Setpoint	7-410 Ed2 (Draft)
2863	MediaSupervisionLN.HiActiv	Hi=High, highest, Activ=Activate	7-410 Ed2 (Draft)
2864	MediaSupervisionLN.HiActivSpt	Hi=High, highest, Activ=Activate, Spt=Setpoint	7-410 Ed2 (Draft)
2865	MediaSupervisionLN.HiAlm	Hi=High, highest, Alm=Alarm	7-410 Ed2 (Draft)

2866	MediaSupervisionLN.HiAlmDlTms	Hi=High, highest, Alm=Alarm, Dl=Delay, Tms=Time in s	7-410 Ed2 (Draft)
2867	MediaSupervisionLN.HiAlmSpt	Hi=High, highest, Alm=Alarm, Spt=Setpoint	7-410 Ed2 (Draft)
2868	MediaSupervisionLN.HiDeActiv	Hi=High, highest, De=remove, Activ=Activate	7-410 Ed2 (Draft)
2869	MediaSupervisionLN.HiDeActSpt	Hi=High, highest, De=remove, Act=Action, activity, active, activate, Spt=Setpoint	7-410 Ed2 (Draft)
2870	MediaSupervisionLN.HiInd	Hi=High, highest, Ind=Indication	7-410 Ed2 (Draft)
2871	MediaSupervisionLN.HiIndDlTms	Hi=High, highest, Ind=Indication, Dl=Delay, Tms=Time in s	7-410 Ed2 (Draft)
2872	MediaSupervisionLN.HiIndSpt	Hi=High, highest, Ind=Indication, Spt=Setpoint	7-410 Ed2 (Draft)
2873	MediaSupervisionLN.HiTrip	Hi=High, highest, Trip=Trip	7-410 Ed2 (Draft)
2874	MediaSupervisionLN.HiTripDlTm	Hi=High, highest, Trip=Trip, Dl=Delay, Tm=Time	7-410 Ed2 (Draft)
2875	MediaSupervisionLN.HiTripSpt	Hi=High, highest, Trip=Trip, Spt=Setpoint	7-410 Ed2 (Draft)
2876	MediaSupervisionLN.Ind	Ind=Indication	7-410 Ed2 (Draft)
2877	MediaSupervisionLN.IndDlTms	Ind=Indication, Dl=Delay, Tms=Time in s	7-410 Ed2 (Draft)
2878	MediaSupervisionLN.IndSpt	Ind=Indication, Spt=Setpoint	7-410 Ed2 (Draft)
2879	MediaSupervisionLN.LoActiv	Lo=Low (state or value), Activ=Activate	7-410 Ed2 (Draft)
2880	MediaSupervisionLN.LoActivSpt	Lo=Low (state or value), Activ=Activate, Spt=Setpoint	7-410 Ed2 (Draft)
2881	MediaSupervisionLN.LoAlm	Lo=Low (state or value), Alm=Alarm	7-410 Ed2 (Draft)
2882	MediaSupervisionLN.LoAlmDlTms	Lo=Low (state or value), Alm=Alarm, Dl=Delay, Tms=Time in s	7-410 Ed2 (Draft)
2883	MediaSupervisionLN.LoAlmSpt	Lo=Low (state or value), Alm=Alarm, Spt=Setpoint	7-410 Ed2 (Draft)
2884	MediaSupervisionLN.LoDeActiv	Lo=Low (state or value), De=remove, Activ=Activate	7-410 Ed2 (Draft)
2885	MediaSupervisionLN.LoDeActSpt	Lo=Low (state or value), De=remove, Act=Action, activity, active, activate, Spt=Setpoint	7-410 Ed2 (Draft)
2886	MediaSupervisionLN.LoiIndSpt	Lo=Low (state or value), i=?, Ind=Indication, Spt=Setpoint	7-410 Ed2 (Draft)
2887	MediaSupervisionLN.LoInd	Lo=Low (state or value), Ind=Indication	7-410 Ed2 (Draft)
2888	MediaSupervisionLN.LoIndDlTms	Lo=Low (state or value), Ind=Indication, Dl=Delay, Tms=Time in s	7-410 Ed2 (Draft)
2889	MediaSupervisionLN.LoTrip	Lo=Low (state or value), Trip=Trip	7-410 Ed2 (Draft)
2890	MediaSupervisionLN.LoTripDlTm	Lo=Low (state or value), Trip=Trip, Dl=Delay, Tm=Time	7-410 Ed2 (Draft)
2891	MediaSupervisionLN.LoTripSpt	Lo=Low (state or value), Trip=Trip, Spt=Setpoint	7-410 Ed2 (Draft)
2892	MediaSupervisionLN.Media	M=Minutes, edia=?	7-410 Ed2 (Draft)
2893	MediaSupervisionLN.Trip	Trip=Trip	7-410 Ed2 (Draft)
2894	MediaSupervisionLN.TripDlTm	Trip=Trip, Dl=Delay, Tm=Time	7-410 Ed2 (Draft)
2895	MediaSupervisionLN.TripSpt	Trip=Trip, Spt=Setpoint	7-410 Ed2 (Draft)
2896	Mem	Memory	7-420 Ed2 (Draft)
2897	Mem	Memory	7-4 Ed2.1 (Draft)
2898	MENV	Environmental information	7-4 Ed2

2899	MENV	Environmental information	7-410 Ed1
2900	MENV	Emissions measurements	7-420 Ed2
2901	MENV.CO2Em	CO2=Carbon dioxide, Em=Emission	7-4 Ed2.1 (Draft)
2902	MENV.COEm	CO=Carbon monoxide, Em=Emission	7-4 Ed2.1 (Draft)
2903	MENV.Dust	Dust=Dust	7-4 Ed2.1 (Draft)
2904	MENV.FloodAlm	Flood=Flood, Alm=Alarm	7-4 Ed2.1 (Draft)
2905	MENV.FloodLev	Flood=Flood, Lev=Level	7-4 Ed2.1 (Draft)
2906	MENV.NOxEm	NOx=Nitrogen oxide, Em=Emission	7-4 Ed2.1 (Draft)
2907	MENV.O2CmbuGas	O2=Oxygen, Cmbu=Combustible, combustion, Gas=Gas	7-4 Ed2.1 (Draft)
2908	MENV.O3Air	O3=Ozon, trioxygen, Air=Air	7-4 Ed2.1 (Draft)
2909	MENV.SmokAlm	Smok=Smoke, Alm=Alarm	7-4 Ed2.1 (Draft)
2910	MENV.SmokLev	Smok=Smoke, Lev=Level	7-4 Ed2.1 (Draft)
2911	MENV.Snd	Snd=Sound pressure	7-4 Ed2.1 (Draft)
2912	MENV.SOxEm	SOx=Sulphur oxide, Em=Emission	7-4 Ed2.1 (Draft)
2913	MFLK	Flicker Measurement Name	7-4 Ed2
2914	MFLK.PhPcbLl	Ph=Phase to reference, Pcb=Power quality qualifier bin, Ll=Last long (interval)	7-4 Ed2.1 (Draft)
2915	MFLK.PhPcbLs	Ph=Phase to reference, Pcb=Power quality qualifier bin, Ls=Last short (interval)	7-4 Ed2.1 (Draft)
2916	MFLK.PhPdmSpec	Ph=Phase to reference, Pdm=Power quality demodulation, Spec=Spectra	7-4 Ed2.1 (Draft)
2917	MFLK.PhPdmWav	Ph=Phase to reference, Pdm=Power quality demodulation, Wav=Wave, waveform	7-4 Ed2.1 (Draft)
2918	MFLK.PhPiLoFil	Ph=Phase to reference, Pi=Instantaneous real power, Lo=Low (state or value), Fil=Filter, filtration system	7-4 Ed2.1 (Draft)
2919	MFLK.PhPiMax	Ph=Phase to reference, Pi=Instantaneous real power, Max=Maximum	7-4 Ed2.1 (Draft)
2920	MFLK.PhPiRoot	Ph=Phase to reference, Pi=Instantaneous real power, Root=Root	7-4 Ed2.1 (Draft)
2921	MFLK.PhPlt	Ph=Phase to reference, Plt=Plate, long-term flicker severity	7-4 Ed2.1 (Draft)
2922	MFLK.PhPst	Ph=Phase to reference, Pst=Post, short-term flicker severity	7-4 Ed2.1 (Draft)
2923	MFLK.PPPcbLl	PP=Phase to phase, Pcb=Power quality qualifier bin, Ll=Last long (interval)	7-4 Ed2.1 (Draft)
2924	MFLK.PPPcbLs	PP=Phase to phase, Pcb=Power quality qualifier bin, Ls=Last short (interval)	7-4 Ed2.1 (Draft)
2925	MFLK.PPPdmSpec	PP=Phase to phase, Pdm=Power quality demodulation, Spec=Spectra	7-4 Ed2.1 (Draft)

2926	MFLK.PPPdmWav	PP=Phase to phase, Pdm=Power quality demodulation, Wav=Wave, waveform	7-4 Ed2.1 (Draft)
2927	MFLK.PPPiLoFil	PP=Phase to phase, Pi=Instantaneous real power, Lo=Low (state or value), Fil=Filter, filtration system	7-4 Ed2.1 (Draft)
2928	MFLK.PPPiMax	PP=Phase to phase, Pi=Instantaneous real power, Max=Maximum	7-4 Ed2.1 (Draft)
2929	MFLK.PPPiRoot	PP=Phase to phase, Pi=Instantaneous real power, Root=Root	7-4 Ed2.1 (Draft)
2930	MFLK.PPPlt	PP=Phase to phase, Plt=Plate, long-term flicker severity	7-4 Ed2.1 (Draft)
2931	MFLK.PPPst	PP=Phase to phase, Pst=Post, short-term flicker severity	7-4 Ed2.1 (Draft)
2932	MFLW	Flow measurements	7-420 Ed2
2933	MFLW.FanSpd	Fan=Fan, Spd=Speed	7-420 Ed2 (Draft)
2934	MFLW.FanSpdSet	Fan=Fan, Spd=Speed, Set=Setting	7-420 Ed2 (Draft)
2935	MFLW.FlwHorDir	Flw=Flow, flowing, Hor=Horizontal, Dir=Direction	7-420 Ed2 (Draft)
2936	MFLW.FlwRte	Flw=Flow, flowing, Rte=Rate	7-420 Ed2 (Draft)
2937	MFLW.FlwVerDir	Flw=Flow, flowing, Ver=Vertical, Dir=Direction	7-420 Ed2 (Draft)
2938	MFLW.FlwVlvPct	Flw=Flow, flowing, Vlv=Valve, Pct=Percent, percentage	7-420 Ed2 (Draft)
2939	MFLW.FlwVlvTgt	Flw=Flow, flowing, Vlv=Valve, Tgt=Target	7-420 Ed2 (Draft)
2940	MFLW.MatCndct	Mat=Material, Cndct=Conductivity	7-420 Ed2 (Draft)
2941	MFLW.MatDen	Mat=Material, Den=Density	7-420 Ed2 (Draft)
2942	MFLW.MatLev	Mat=Material, Lev=Level	7-420 Ed2 (Draft)
2943	MFLW.MatStat	Mat=Material, Stat=Statistics/Status, position in sequence	7-420 Ed2 (Draft)
2944	MFLW.MatTyp	Mat=Material, Typ=Type	7-420 Ed2 (Draft)
2945	MFLW.MaxFlwRte	Max=Maximum, Flw=Flow, flowing, Rte=Rate	7-420 Ed2 (Draft)
2946	MFLW.MinFlwRte	Min=Minimum, Flw=Flow, flowing, Rte=Rate	7-420 Ed2 (Draft)
2947	MFLW.MinXsecArea	area of cross-section of restricted point	7-420 Ed2 (Draft)
2948	MFLW.Vlm	Vlm=Volume	7-420 Ed2 (Draft)
2949	MFUL	Fuel characteristics	7-420 Ed2
2950	MFUL.AccmFuel	Accm=Accumulated, Fuel=Fuel	7-420 Ed2 (Draft)
2951	MFUL.AccmFuelRs	Accm=Accumulated, Fuel=Fuel, Rs=Reset, resettable	7-420 Ed2 (Draft)
2952	MFUL.AccmOpTmRs	Accm=Accumulated, Op=Operate, operating/Trip order to circuit-breaker, Tm=Time, Rs=Reset, resettable	7-420 Ed2 (Draft)
2953	MFUL.AccmOpTms	Accm=Accumulated, Op=Operate, operating/Trip order to circuit-breaker, Tms=Time in s	7-420 Ed2 (Draft)
2954	MFUL.AccmTotFuel	Accm=Accumulated, Tot=Total, Fuel=Fuel	7-420 Ed2 (Draft)
2955	MFUL.Ccy	Ccy=Currency	7-420 Ed2 (Draft)
2956	MFUL.FuelCalAv	Fuel=Fuel, Cal=Calorie, caloric, Av=Average	7-420 Ed2 (Draft)

2957	MFUL.FuelCost	Fuel=Fuel, Cost=Cost	7-420 Ed2 (Draft)
2958	MFUL.FuelCostAv	Fuel=Fuel, Cost=Cost, Av=Average	7-420 Ed2 (Draft)
2959	MFUL.FuelEfcPct	Fuel=Fuel, Efc=Efficiency, Pct=Percent, percentage	7-420 Ed2 (Draft)
2960	MFUL.FuelEfcRtg	Fuel=Fuel, Efc=Efficiency, Rtg=Rating	7-420 Ed2 (Draft)
2961	MFUL.FuelRte	Fuel=Fuel, Rte=Rate	7-420 Ed2 (Draft)
2962	MFUL.FuelTyp	Fuel=Fuel, Typ=Type	7-420 Ed2 (Draft)
2963	MFUL.GrossCalVal	Gross=Gross, Cal=Calorie, caloric, Val=Value	7-420 Ed2 (Draft)
2964	MHAI	Harmonics or interharmonics	7-4 Ed2
2965	MHAI.HA	H=Harmonics (phase-related), A=Current	7-4 Ed2.1 (Draft)
2966	MHAI.HATm	H=Harmonics (phase-related), A=Current, Tm=Time	7-4 Ed2.1 (Draft)
2967	MHAI.HCfA	H=Harmonics (phase-related), Cf=Crest factor, A=Current	7-4 Ed2.1 (Draft)
2968	MHAI.HCfPhV	H=Harmonics (phase-related), Cf=Crest factor, Ph=Phase to reference, V=Voltage	7-4 Ed2.1 (Draft)
2969	MHAI.HCfPPV	H=Harmonics (phase-related), Cf=Crest factor, PPV=Phase to phase voltage	7-4 Ed2.1 (Draft)
2970	MHAI.HKFact	H=Harmonics (phase-related), K=Constant, Fact=Factor	7-4 Ed2.1 (Draft)
2971	MHAI.HPhV	HPh=Harmonics phase, V=Voltage	7-4 Ed2.1 (Draft)
2972	MHAI.HPPV	H=Harmonics (phase-related), PPV=Phase to phase voltage	7-4 Ed2.1 (Draft)
2973	MHAI.HRmsA	H=Harmonics (phase-related), Rms=Root mean square, A=Current	7-4 Ed2.1 (Draft)
2974	MHAI.HRmsPhV	H=Harmonics (phase-related), Rms=Root mean square, Ph=Phase to reference, V=Voltage	7-4 Ed2.1 (Draft)
2975	MHAI.HRmsPPV	H=Harmonics (phase-related), Rms=Root mean square, PPV=Phase to phase voltage	7-4 Ed2.1 (Draft)
2976	MHAI.HTdf	H=Harmonics (phase-related), Tdf=Transformer derating factor	7-4 Ed2.1 (Draft)
2977	MHAI.HTif	H=Harmonics (phase-related), Tif=Telephone influence factor	7-4 Ed2.1 (Draft)
2978	MHAI.HTsW	H=Harmonics (phase-related), Ts=Total signed, W=Active power	7-4 Ed2.1 (Draft)
2979	MHAI.HTuW	H=Harmonics (phase-related), Tu=Total unsigned, W=Active power	7-4 Ed2.1 (Draft)
2980	MHAI.HVA	H=Harmonics (phase-related), VA=Apparent power (volt amperes)	7-4 Ed2.1 (Draft)
2981	MHAI.HVAr	H=Harmonics (phase-related), VAr=Reactive power (volt amperes reactive)	7-4 Ed2.1 (Draft)
2982	MHAI.HW	H=Harmonics (phase-related), W=Active power	7-4 Ed2.1 (Draft)
2983	MHAI.TddA	Tdd=Total demand distortion, A=Current	7-4 Ed2.1 (Draft)
2984	MHAI.TddEvnA	Tdd=Total demand distortion, Evn=Even, A=Current	7-4 Ed2.1 (Draft)
2985	MHAI.TddOddA	Tdd=Total demand distortion, Odd=Odd, A=Current	7-4 Ed2.1 (Draft)
2986	MHAI.ThdA	Thd=Total harmonic distortion, A=Current	7-4 Ed2.1 (Draft)

2987	MHAI.ThdEvnA	Thd=Total harmonic distortion, Evn=Even, A=Current	7-4 Ed2.1 (Draft)
2988	MHAI.ThdEvnPhV	Thd=Total harmonic distortion, Evn=Even, Ph=Phase to reference, V=Voltage	7-4 Ed2.1 (Draft)
2989	MHAI.ThdEvnPPV	Thd=Total harmonic distortion, Evn=Even, PPV=Phase to phase voltage	7-4 Ed2.1 (Draft)
2990	MHAI.ThdOddA	Thd=Total harmonic distortion, Odd=Odd, A=Current	7-4 Ed2.1 (Draft)
2991	MHAI.ThdOddPhV	Thd=Total harmonic distortion, Odd=Odd, Ph=Phase to reference, V=Voltage	7-4 Ed2.1 (Draft)
2992	MHAI.ThdOddPPV	Thd=Total harmonic distortion, Odd=Odd, PPV=Phase to phase voltage	7-4 Ed2.1 (Draft)
2993	MHAI.ThdPhV	Thd=Total harmonic distortion, Ph=Phase to reference, V=Voltage	7-4 Ed2.1 (Draft)
2994	MHAI.ThdPPV	Thd=Total harmonic distortion, PPV=Phase to phase voltage	7-4 Ed2.1 (Draft)
2995	MHAN	Non phase related harmonics or interharmonics	7-4 Ed2
2996	MHAN.HaAmp	Ha=Harmonics (non-phase-related AC), Amp=Ampere, current non-phase-related AC	7-4 Ed2.1 (Draft)
2997	MHAN.HaAmpTm	Ha=Harmonics (non-phase-related AC), Amp=Ampere, current non-phase-related AC, Tm=Time	7-4 Ed2.1 (Draft)
2998	MHAN.HaCfAmp	Ha=Harmonics (non-phase-related AC), Cf=Crest factor, Amp=Ampere, current non-phase-related AC	7-4 Ed2.1 (Draft)
2999	MHAN.HaCfVol	Ha=Harmonics (non-phase-related AC), Cf=Crest factor, Vol=Voltage non-phase-related AC	7-4 Ed2.1 (Draft)
3000	MHAN.HaKFact	Ha=Harmonics (non-phase-related AC), K=Constant, Fact=Factor	7-4 Ed2.1 (Draft)
3001	MHAN.HaRmsAmp	Ha=Harmonics (non-phase-related AC), Rms=Root mean square, Amp=Ampere, current non-phase-related AC	7-4 Ed2.1 (Draft)
3002	MHAN.HaRmsVol	Ha=Harmonics (non-phase-related AC), Rms=Root mean square, Vol=Voltage non-phase-related AC	7-4 Ed2.1 (Draft)
3003	MHAN.HaTdFact	Ha=Harmonics (non-phase-related AC), Td=Total distortion, Fact=Factor	7-4 Ed2.1 (Draft)
3004	MHAN.HaTif	Ha=Harmonics (non-phase-related AC), Tif=Telephone influence factor	7-4 Ed2.1 (Draft)
3005	MHAN.HaTsWatt	Ha=Harmonics (non-phase-related AC), Ts=Total signed, Watt=Active power non-phase-related AC	7-4 Ed2.1 (Draft)
3006	MHAN.HaTuWatt	Ha=Harmonics (non-phase-related AC), Tu=Total unsigned, Watt=Active power non-phase-related AC	7-4 Ed2.1 (Draft)

3007	MHAN.HaVol	Ha=Harmonics (non-phase-related AC), Vol=Voltage non-phase-related AC	7-4 Ed2.1 (Draft)
3008	MHAN.HaVolAmp	Ha=Harmonics (non-phase-related AC), Vol=Voltage non-phase-related AC, Amp=Ampere, current non-phase-related AC	7-4 Ed2.1 (Draft)
3009	MHAN.HaVolAmpr	Ha=Harmonics (non-phase-related AC), VolAmpr=Non-phase-related AC reactive power	7-4 Ed2.1 (Draft)
3010	MHAN.HaWatt	Ha=Harmonics (non-phase-related AC), Watt=Active power non-phase-related AC	7-4 Ed2.1 (Draft)
3011	MHAN.TddAmp	Tdd=Total demand distortion, Amp=Ampere, current non-phase-related AC	7-4 Ed2.1 (Draft)
3012	MHAN.TddEvnAmp	Tdd=Total demand distortion, Evn=Even, Amp=Ampere, current non-phase-related AC	7-4 Ed2.1 (Draft)
3013	MHAN.TddOddAmp	Tdd=Total demand distortion, Odd=Odd, Amp=Ampere, current non-phase-related AC	7-4 Ed2.1 (Draft)
3014	MHAN.ThdAmp	Thd=Total harmonic distortion, Amp=Ampere, current non-phase-related AC	7-4 Ed2.1 (Draft)
3015	MHAN.ThdEvnAmp	Thd=Total harmonic distortion, Evn=Even, Amp=Ampere, current non-phase-related AC	7-4 Ed2.1 (Draft)
3016	MHAN.ThdEvnVol	Thd=Total harmonic distortion, Evn=Even, Vol=Voltage non-phase-related AC	7-4 Ed2.1 (Draft)
3017	MHAN.ThdOddAmp	Thd=Total harmonic distortion, Odd=Odd, Amp=Ampere, current non-phase-related AC	7-4 Ed2.1 (Draft)
3018	MHAN.ThdOddVol	Thd=Total harmonic distortion, Odd=Odd, Vol=Voltage non-phase-related AC	7-4 Ed2.1 (Draft)
3019	MHAN.ThdVol	Thd=Total harmonic distortion, Vol=Voltage non-phase-related AC	7-4 Ed2.1 (Draft)
3020	MHET	Heat measured values	7-420 Ed2
3021	MHET.AccmHeatCtl	Accm=Accumulated, Heat=Heater, heating, heat (see also Ht), Ctl=Control	7-420 Ed2 (Draft)
3022	MHET.AccmHeatOut	Accm=Accumulated, Heat=Heater, heating, heat (see also Ht), Out=Output	7-420 Ed2 (Draft)
3023	MHET.HeatOut	Heat=Heater, heating, heat (see also Ht), Out=Output	7-420 Ed2 (Draft)
3024	MHET.HeatSpec	Heat=Heater, heating, heat (see also Ht), Spec=Spectra	7-420 Ed2 (Draft)
3025	MHET.MatCal	Mat=Material, Cal=Calorie, caloric	7-420 Ed2 (Draft)
3026	MHET.MatPct	Mat=Material, Pct=Percent, percentage	7-420 Ed2 (Draft)
3027	MHET.MatTyp	Mat=Material, Typ=Type	7-420 Ed2 (Draft)

3028	MHET.MatVlm	Mat=Material, Vlm=Volume	7-420 Ed2 (Draft)
3029	MHET.MaxHeatOut	Max=Maximum, Heat=Heater, heating, heat (see also Ht), Out=Output	7-420 Ed2 (Draft)
3030	MHET.MaxMatCal	Max=Maximum, Mat=Material, Cal=Calorie, caloric	7-420 Ed2 (Draft)
3031	MHYD	Hydrological information	7-4 Ed2
3032	MHYD	Hydrological information	7-410 Ed1
3033	MHYD.Cndct	Cndct=Conductivity	7-4 Ed2.1 (Draft)
3034	MHYD.FishCnt	Fish=Fish, Cnt=Counter	7-4 Ed2.1 (Draft)
3035	MHYD.Flw	Flw=Flow, flowing	7-4 Ed2.1 (Draft)
3036	MHYD.HydPH	Hyd=Hydrological, hydro, water, PH=Acidity, value of pH	7-4 Ed2.1 (Draft)
3037	MHYD.Lev	Lev=Level	7-4 Ed2.1 (Draft)
3038	MHYD.Slnt	Slnt=Salinity, saline content	7-4 Ed2.1 (Draft)
3039	MHYD.SpdSrfc	Spd=Speed, Srfc=Surface	7-4 Ed2.1 (Draft)
3040	MHYD.Tmp	Tmp=Temperature (°C)	7-4 Ed2.1 (Draft)
3041	MIB	Management Information Base (used by SNMP)	90-4 Ed1 (Draft)
3042	Min	Minimum	7-420 Ed2 (Draft)
3043	min	minimum	7-3 Ed2.1 (Draft)
3044	Min	Minimum	7-4 Ed2.1 (Draft)
3045	MJD	Modified Julian Day	8-1 Ed2
3046	Mlt	Multiplier, multiple	7-420 Ed2 (Draft)
3047	Mlt	Multiplier, multiple	7-4 Ed2.1 (Draft)
3048	MMDC	DC measurement	7-4 Ed2
3049	MMDC	DC measurement	7-410 Ed1
3050	MMDC.Amp	Amp=Ampere, current non-phase-related AC	7-4 Ed2.1 (Draft)
3051	MMDC.Ris	Ris=Resistance	7-4 Ed2.1 (Draft)
3052	MMDC.RisNgGnd	Ris=Resistance, Ng=Negative, Gnd=Ground	7-4 Ed2.1 (Draft)
3053	MMDC.RisPsGnd	Ris=Resistance, Ps=Positive, Gnd=Ground	7-4 Ed2.1 (Draft)
3054	MMDC.Vol	Vol=Voltage non-phase-related AC	7-4 Ed2.1 (Draft)
3055	MMDC.VolNgGnd	Vol=Voltage non-phase-related AC, Ng=Negative, Gnd=Ground	7-4 Ed2.1 (Draft)
3056	MMDC.VolPsGnd	Vol=Voltage non-phase-related AC, Ps=Positive, Gnd=Ground	7-4 Ed2.1 (Draft)
3057	MMDC.Watt	Watt=Active power non-phase-related AC	7-4 Ed2.1 (Draft)
3058	MMET	Meteorological information	7-4 Ed2
3059	MMET	Meteorological information	7-410 Ed1
3060	MMET.CloudCvr	Cloud=Cloud, Cvr=Cover, cover level	7-4 Ed2.1 (Draft)
3061	MMET.DctInsol	Dct=Direct, Insol=Insolation	7-4 Ed2.1 (Draft)
3062	MMET.DewPt	Dew=Dew, Pt=Point	7-4 Ed2.1 (Draft)

3063	MMET.DffInsol	Dff=Diffuse, Insol=Insolation	7-4 Ed2.1 (Draft)
3064	MMET.DlDur	Dl=Delay, Dur=Duration	7-4 Ed2.1 (Draft)
3065	MMET.EnvHum	Env=Environment, Hum=Humidity	7-4 Ed2.1 (Draft)
3066	MMET.EnvPres	Env=Environment, Pres=Pressure	7-4 Ed2.1 (Draft)
3067	MMET.EnvTmp	Env=Environment, Tmp=Temperature (°C)	7-4 Ed2.1 (Draft)
3068	MMET.HorInsol	Hor=Horizontal, Insol=Insolation	7-4 Ed2.1 (Draft)
3069	MMET.HorWdDir	Hor=Horizontal, Wd=Wind, Dir=Direction	7-4 Ed2.1 (Draft)
3070	MMET.HorWdSpd	Hor=Horizontal, Wd=Wind, Spd=Speed	7-4 Ed2.1 (Draft)
3071	MMET.RnFll	Rn=Rain, Fll=Fall	7-4 Ed2.1 (Draft)
3072	MMET.SnwCvr	Snw=Snow, Cvr=Cover, cover level	7-4 Ed2.1 (Draft)
3073	MMET.SnwDen	Snw=Snow, Den=Density	7-4 Ed2.1 (Draft)
3074	MMET.SnwEq	Snw=Snow, Eq=Equalization, equal	7-4 Ed2.1 (Draft)
3075	MMET.SnwFll	Snw=Snow, Fll=Fall	7-4 Ed2.1 (Draft)
3076	MMET.SnwTmp	Snw=Snow, Tmp=Temperature (°C)	7-4 Ed2.1 (Draft)
3077	MMET.VerWdDir	Ver=Vertical, Wd=Wind, Dir=Direction	7-4 Ed2.1 (Draft)
3078	MMET.VerWdSpd	Ver=Vertical, Wd=Wind, Spd=Speed	7-4 Ed2.1 (Draft)
3079	MMET.WdGustSpd	Wd=Wind, Gust=Gust, Spd=Speed	7-4 Ed2.1 (Draft)
3080	MMET.WetBlbTmp	Wet=Wet, Blb=Bulb, Tmp=Temperature (°C)	7-4 Ed2.1 (Draft)
3081	MMPM	Manufacturing Message Protocol Machine	8-1 Ed2
3082	MMRP	IEEE 802.1Q-2011	90-4 Ed1 (Draft)
3083	MMS	Manufacturing Message Specification – ISO 9506 (Nachrichtenformate für Fertigungszwecke)	IEC 61850-8-1
3084	MMS	Manufacturing message specification	IEC 61850-7-1 Ed2
3085	MMS	manufacturing message specification (ISO 9506)	IEC 61850-7-2 Ed2
3086	MMS	Manufacturing Message Specification	5 Ed2 (Draft)
3087	MMS	Manufacturing Message Specification (ISO 9506)	8-1 Ed2
3088	MMTN	Metering	7-4 Ed2
3089	MMTR	LN: Metering Unit (Zählwert-Einheit)	7-4 Ed2
3090	MMXN	Non phase related Measurement	7-4 Ed2
3091	MMXN.Amp	Amp=Ampere, current non-phase-related AC	7-4 Ed2.1 (Draft)
3092	MMXN.Hz	Hz=Frequency	7-4 Ed2.1 (Draft)
3093	MMXN.Imp	Imp=Impedance non-phase-related AC	7-4 Ed2.1 (Draft)
3094	MMXN.PwrFact	Pwr=Power, Fact=Factor	7-4 Ed2.1 (Draft)
3095	MMXN.Vol	Vol=Voltage non-phase-related AC	7-4 Ed2.1 (Draft)

3096	MMXN.VolAmp	Vol=Voltage non-phase-related AC, Amp=Ampere, current non-phase-related AC	7-4 Ed2.1 (Draft)
3097	MMXN.VolAmpr	VolAmpr=Non-phase-related AC reactive power	7-4 Ed2.1 (Draft)
3098	MMXN.Watt	Watt=Active power non-phase-related AC	7-4 Ed2.1 (Draft)
3099	MMXU	Logical Node: Measurement Unit of a 3 phase electrical A.C. system (Messwert-Einheit)	IEC 61850-7-4
3100	MMXU	Measurement	7-4 Ed2
3101	MMXU.A	A=Current	7-4 Ed2.1 (Draft)
3102	MMXU.AvAPhs	average(Ia,Ib,Ic...	7-4 Ed2.1 (Draft)
3103	MMXU.AvPFPhs	average(PFa...	7-4 Ed2.1 (Draft)
3104	MMXU.AvPhVPhs	Av=Average, Ph=Phase to reference, V=Voltage, Phs=Phase	7-4 Ed2.1 (Draft)
3105	MMXU.AvPPVPhs	a...	7-4 Ed2.1 (Draft)
3106	MMXU.AvVAPhs	average(V...	7-4 Ed2.1 (Draft)
3107	MMXU.AvVArPhs	average(V...	7-4 Ed2.1 (Draft)
3108	MMXU.AvWPhs	average(Wa,...	7-4 Ed2.1 (Draft)
3109	MMXU.AvZPhs	average(Za, Zb...	7-4 Ed2.1 (Draft)
3110	MMXU.ClcTotVA	Clc=Calculate, calculated, Tot=Total, VA=Apparent power (volt amperes)	7-4 Ed2.1 (Draft)
3111	MMXU.Hz	Hz=Frequency	7-4 Ed2.1 (Draft)
3112	MMXU.MaxAPhs	max(Ia,Ib,Ic).	7-4 Ed2.1 (Draft)
3113	MMXU.MaxPFPhs	max(PFa, PFb, PFc).	7-4 Ed2.1 (Draft)
3114	MMXU.MaxPhVPhs	max(PhVa, PhVb,...	7-4 Ed2.1 (Draft)
3115	MMXU.MaxPPVPhs	max(PPVa, PPVb, PPV...	7-4 Ed2.1 (Draft)
3116	MMXU.MaxVAPhs	max(VAa, VAb, VAc).	7-4 Ed2.1 (Draft)
3117	MMXU.MaxVArPhs	max(VAra, VArb, VArc).	7-4 Ed2.1 (Draft)
3118	MMXU.MaxWPhs	max(Wa, Wb, Wc).	7-4 Ed2.1 (Draft)
3119	MMXU.MaxZPhs	max(Za, Zb, Zc).	7-4 Ed2.1 (Draft)
3120	MMXU.MinAPhs	min(Ia,Ib,Ic).	7-4 Ed2.1 (Draft)
3121	MMXU.MinPFPhs	min(PFa, PFb, PFc).	7-4 Ed2.1 (Draft)
3122	MMXU.MinPhVPhs	min(PhVa, PhVb,...	7-4 Ed2.1 (Draft)
3123	MMXU.MinPPVPhs	min(PPVa, PPVb, PPV...	7-4 Ed2.1 (Draft)
3124	MMXU.MinVAPhs	min(VAa, VAb, VAc).	7-4 Ed2.1 (Draft)
3125	MMXU.MinVArPhs	min(VAra, VArb, VArc).	7-4 Ed2.1 (Draft)
3126	MMXU.MinWPhs	min(Wa, Wb, Wc).	7-4 Ed2.1 (Draft)
3127	MMXU.MinZPhs	min(Za, Zb, Zc).	7-4 Ed2.1 (Draft)

3128	MMXU.PFSign	PF=Power factor, Sign=Sign	7-4 Ed2.1 (Draft)
3129	MMXU.PhV	Ph=Phase to reference, V=Voltage	7-4 Ed2.1 (Draft)
3130	MMXU.PNV	PNV=Phase-to-neutral voltage	7-4 Ed2.1 (Draft)
3131	MMXU.PPV	PPV=Phase to phase voltage	7-4 Ed2.1 (Draft)
3132	MMXU.TotPF	Tot=Total, PF=Power factor	7-4 Ed2.1 (Draft)
3133	MMXU.TotVA	Tot=Total, VA=Apparent power (volt amperes)	7-4 Ed2.1 (Draft)
3134	MMXU.TotVAr	Tot=Total, VAr=Reactive power (volt amperes reactive)	7-4 Ed2.1 (Draft)
3135	MMXU.TotW	Tot=Total, W=Active power	7-4 Ed2.1 (Draft)
3136	MMXU.VA	VA=Apparent power (volt amperes)	7-4 Ed2.1 (Draft)
3137	MMXU.VAr	VAr=Reactive power (volt amperes reactive)	7-4 Ed2.1 (Draft)
3138	MMXU.W	W=Active power	7-4 Ed2.1 (Draft)
3139	MMXU.Z	Z=Impedance	7-4 Ed2.1 (Draft)
3140	mn	minute	7-3 Ed2.1 (Draft)
3141	M-O-C	mandatory – optional - conditional	7-4 Ed2.1 (Draft)
3142	Mod	Mode	7-420 Ed2 (Draft)
3143	Mod	Mode	7-4 Ed2.1 (Draft)
3144	model	model	7-3 Ed2.1 (Draft)
3145	month	month	7-3 Ed2.1 (Draft)
3146	Mot	Motor	7-420 Ed2 (Draft)
3147	Mot	Motor	7-4 Ed2.1 (Draft)
3148	MotorStartupProtectionLN		
3149	MotorStartupProtectionLN.Op	Op=Operate, operating/Trip order to circuit-breaker	7-4 Ed2.1 (Draft)
3150	MotorStartupProtectionLN.SetA	Set=Setting, A=Current	7-4 Ed2.1 (Draft)
3151	MotorStartupProtectionLN.SetTms	Set=Setting, Tms=Time in s	7-4 Ed2.1 (Draft)
3152	MPRS	Pressure measurements	7-420 Ed2
3153	MPRS.MaxPres	Max=Maximum, Pres=Pressure	7-420 Ed2 (Draft)
3154	MPRS.MaxPresRte	Max=Maximum, Pres=Pressure, Rte=Rate	7-420 Ed2 (Draft)
3155	MPRS.MinPres	Min=Minimum, Pres=Pressure	7-420 Ed2 (Draft)
3156	MPRS.Pres	Pres=Pressure	7-420 Ed2 (Draft)
3157	MPRS.PresRte	Pres=Pressure, Rte=Rate	7-420 Ed2 (Draft)
3158	MPRS.PresRteSt	Pres=Pressure, Rte=Rate, St=Status, state	7-420 Ed2 (Draft)
3159	MPRS.PresSt	Pres=Pressure, St=Status, state	7-420 Ed2 (Draft)
3160	mr	master	7-3 Ed2.1 (Draft)
3161	Mrk	Market	7-420 Ed2 (Draft)
3162	Mrk	Market	7-4 Ed2.1 (Draft)

3163	MSQI	Sequence and imbalance	7-4 Ed2
3164	MSQI.DQ0Seq	DQ0=Direct, quadrature, and zero axis quantities, Seq=Sequence	7-4 Ed2.1 (Draft)
3165	MSQI.ImbA	Imb=Imbalance, A=Current	7-4 Ed2.1 (Draft)
3166	MSQI.ImbNgA	Imb=Imbalance, Ng=Negative, A=Current	7-4 Ed2.1 (Draft)
3167	MSQI.ImbNgV	Imb=Imbalance, Ng=Negative, V=Voltage	7-4 Ed2.1 (Draft)
3168	MSQI.ImbPPV	Imb=Imbalance, PPV=Phase to phase voltage	7-4 Ed2.1 (Draft)
3169	MSQI.ImbV	Imb=Imbalance, V=Voltage	7-4 Ed2.1 (Draft)
3170	MSQI.ImbZroA	Imb=Imbalance, Zro=Zero sequence method, A=Current	7-4 Ed2.1 (Draft)
3171	MSQI.ImbZroV	Imb=Imbalance, Zro=Zero sequence method, V=Voltage	7-4 Ed2.1 (Draft)
3172	MSQI.MaxImbA	max('ImbA.phsA', 'ImbA.phsB', 'ImbA....	7-4 Ed2.1 (Draft)
3173	MSQI.MaxImbPPV	max('ImbPPV.phsAB', '...	7-4 Ed2.1 (Draft)
3174	MSQI.MaxImbV	max('ImbV.phsA', 'I...	7-4 Ed2.1 (Draft)
3175	MSQI.SeqA	Seq=Sequence, A=Current	7-4 Ed2.1 (Draft)
3176	MSQI.SeqV	Seq=Sequence, V=Voltage	7-4 Ed2.1 (Draft)
3177	Mst	Moisture	7-420 Ed2 (Draft)
3178	Mst	Moisture	7-4 Ed2.1 (Draft)
3179	MSTA	Metering Statistics	7-4 Ed2
3180	MSTP	IEEE 802.1Q-2011	90-4 Ed1 (Draft)
3181	MSV	Multicast Sampled Value	IEC 61850-6 Ed2
3182	MSV	Multicast Sampled Value	6 Ed2
3183	MSV	Multicast Sampled Value	90-5 Ed1
3184	MSVCB	multicast sampled value control block	IEC 61850-7-2 Ed2
3185	Msvcb	Multicast sampled values control block	7-420 Ed2 (Draft)
3186	Msvcb	Multicast sampled values control block	7-4 Ed2.1 (Draft)
3187	MSVCB	Multicast Sampled Values Control Block	90-5 Ed1
3188	MsvID	ID for MSV (Multicast Sampled Value)	IEC 61850-6 Ed2
3189	MsvID	ID for MSV (Multicast Sampled Value)	6 Ed2
3190	MTBR	Mean Time Between Repairs	90-4 Ed1 (Draft)
3191	Mth	Method	7-420 Ed2 (Draft)
3192	Mth	Method	7-4 Ed2.1 (Draft)
3193	MTTF	Mean Time To Fail	90-4 Ed1 (Draft)
3194	MTTR	Mean Time To Repair or Mean Time To Recovery	90-4 Ed1 (Draft)
3195	MU	Merging Unit (Sammeleinheit)	
3196	MU	Merging Unit (Logical Device), merging unit (physical device)	90-4 Ed1 (Draft)
3197	Mult	Multiplier	7-420 Ed2 (Draft)

3198	Mult	Multiplier	7-4 Ed2.1 (Draft)
3199	MulticastSubscriptionLN		
3200	MulticastSubscriptionLN.ConfRevNum	Conf=Configuration, Rev=Revision, Num=Number	7-4 Ed2.1 (Draft)
3201	MulticastSubscriptionLN.NdsCom	NdsCom=Needs commissioning	7-4 Ed2.1 (Draft)
3202	MulticastSubscriptionLN.RxConfRevNur	Rx=Receive, received, Conf=Configuration, Rev=Revision, Num=Number	7-4 Ed2.1 (Draft)
3203	MulticastSubscriptionLN.SimSt	Sim=Simulation, simulated, St=Status, state	7-4 Ed2.1 (Draft)
3204	MulticastSubscriptionLN.St	St=Status, state	7-4 Ed2.1 (Draft)
3205	multiplier	multiplier	7-3 Ed2.1 (Draft)
3206	MV	Measured Value Common Data Class	IEC 61850-7-3 Ed2
3207	Mvm	Movement, moving	7-420 Ed2 (Draft)
3208	Mvm	Movement, moving	7-4 Ed2.1 (Draft)
3209	MVRP	IEEE 802.1Q-2011	90-4 Ed1 (Draft)
3210	MX	Measured analogue value (Functional Constraint für Messwert)	
3211	mx	measured	7-3 Ed2.1 (Draft)
3212	MX	measurands (analogue values)	7-3 Ed2.1 (Draft)
3213	Mx	Maximum	7-4 Ed2.1 (Draft)
3214	N2	Nitrogen	7-420 Ed2 (Draft)
3215	N2	Nitrogen	7-4 Ed2.1 (Draft)
3216	Nam	Name	7-420 Ed2 (Draft)
3217	Nam	Name	7-4 Ed2.1 (Draft)
3218	Name	Name (reserved for use in data objects EEName and LNName only)	7-420 Ed2 (Draft)
3219	name	name	7-3 Ed2.1 (Draft)
3220	Name	Name (reserved for use in data objects EEName and LNName only)	7-4 Ed2.1 (Draft)
3221	NCC	Network Control Centre	5 Ed2 (Draft)
3222	Ndl	Needle (used in Pelton turbines)	7-4 Ed2.1 (Draft)
3223	nds	not derived statistics	7-4 Ed2.1 (Draft)
3224	NdsCom	Needs commissioning	7-420 Ed2 (Draft)
3225	NdsCom	Needs commissioning	7-4 Ed2.1 (Draft)
3226	net	net	7-3 Ed2.1 (Draft)
3227	Neut	Neutral	7-420 Ed2 (Draft)
3228	neut	neutral	7-3 Ed2.1 (Draft)
3229	Neut	Neutral	7-4 Ed2.1 (Draft)
3230	Ng	Negative	7-420 Ed2 (Draft)
3231	Ng	Negative	7-4 Ed2.1 (Draft)

3232	Nhd	Net head	7-4 Ed2.1 (Draft)
3233	Night	Night	7-420 Ed2 (Draft)
3234	Night	Night	7-4 Ed2.1 (Draft)
3235	NIST SGIP	U.S. National Institute of Standards and Technilogy – Smart Grid Interoperability Panel	
3236	No	No, not	7-420 Ed2 (Draft)
3237	No	No, not	7-4 Ed2.1 (Draft)
3238	Nom	Nominal, normalising	7-420 Ed2 (Draft)
3239	Nom	Nominal, normalising	7-4 Ed2.1 (Draft)
3240	NonProcessControllingEquipmentInterfaceLN		
3241	NonProcessControllingEquipmentInterf	Loc=Local	7-4 Ed2.1 (Draft)
3242	NonProcessControllingEquipmentInterf	Loc=Local, Key=Key, physical control device	7-4 Ed2.1 (Draft)
3243	NonProcessControllingEquipmentInterf	Loc=Local, Sta=Station, function at plant level	7-4 Ed2.1 (Draft)
3244	NonProcessInterfaceLN.EEHealth	EE=External equipment, Health=Health	7-4 Ed2.1 (Draft)
3245	NonProcessInterfaceLN.EEName	EE=External equipment, Name=Name (reserved for use in data objects EEName and LNName only)	7-4 Ed2.1 (Draft)
3246	NonProcessInterfaceLN.OpTmh	Op=Operate, operating/Trip order to circuit-breaker, Tmh=Time in h	7-4 Ed2.1 (Draft)
3247	NOx	Nitrogen oxide	7-420 Ed2 (Draft)
3248	NOx	Nitrogen oxide	7-4 Ed2.1 (Draft)
3249	NP	New work-item Proposal (Normvorschlag)	
3250	NQS	Average partial discharge current	7-420 Ed2 (Draft)
3251	NQS	Average partial discharge current	7-4 Ed2.1 (Draft)
3252	ns	name space	7-3 Ed2.1 (Draft)
3253	NTP	RFC 5905	90-4 Ed1 (Draft)
3254	Num	Number	7-420 Ed2 (Draft)
3255	num	number	7-3 Ed2.1 (Draft)
3256	Num	Number	7-4 Ed2.1 (Draft)
3257	Nxt	Next	7-420 Ed2 (Draft)
3258	Nxt	Next	7-4 Ed2.1 (Draft)
3259	O	Attribute is optional. Attribute may or may not exist on any CDC type instance.	IEC 61850-7-3 Ed2
3260	o	Optional: Indicates that the service, parameter, or attribute may be supported within an implementation	8-1 Ed2
3261	o	Optional – may be implemented	90-5 Ed1
3262	O2	Oxygen	7-420 Ed2 (Draft)

3263	O2	Oxygen	7-4 Ed2.1 (Draft)
3264	O3	Ozon, trioxygen	7-420 Ed2 (Draft)
3265	O3	Ozon, trioxygen	7-4 Ed2.1 (Draft)
3266	OAM	Operation, Administration, Maintenance	90-4 Ed1 (Draft)
3267	Obl	Obligation	7-420 Ed2 (Draft)
3268	Obl	Obligation	7-4 Ed2.1 (Draft)
3269	Oc	Open circuit	7-4 Ed2.1 (Draft)
3270	OC	IEC 61588	90-4 Ed1 (Draft)
3271	occ	occurence	7-3 Ed2.1 (Draft)
3272	Odd	Odd	7-420 Ed2 (Draft)
3273	Odd	Odd	7-4 Ed2.1 (Draft)
3274	Of	Offline	7-420 Ed2 (Draft)
3275	Of	Offline	7-4 Ed2.1 (Draft)
3276	Off	Off, device disengaged, not running	7-420 Ed2 (Draft)
3277	off	off	7-3 Ed2.1 (Draft)
3278	Off	Off, device disengaged, not running	7-4 Ed2.1 (Draft)
3279	offset	offset	7-3 Ed2.1 (Draft)
3280	Ofs	Offset	7-420 Ed2 (Draft)
3281	Ofs	Offset	7-4 Ed2.1 (Draft)
3282	Oil	Oil	7-420 Ed2 (Draft)
3283	Oil	Oil	7-4 Ed2.1 (Draft)
3284	ok	ok	7-3 Ed2.1 (Draft)
3285	On	On, device applied, running	7-420 Ed2 (Draft)
3286	on	on	7-3 Ed2.1 (Draft)
3287	On	On, device applied, running	7-4 Ed2.1 (Draft)
3288	Oo	Out of	7-420 Ed2 (Draft)
3289	Oo	Out of	7-4 Ed2.1 (Draft)
3290	OOS	Out-of-step	90-5 Ed1
3291	Op	Operate, operating	7-420 Ed2 (Draft)
3292	op	operate	7-3 Ed2.1 (Draft)
3293	Op	Operate, operating	7-4 Ed2.1 (Draft)
3294	oper	operate	7-3 Ed2.1 (Draft)
3295	Operate	Operate order to any device	7-4 Ed2.1 (Draft)
3296	Opn	Open, opened	7-420 Ed2 (Draft)
3297	Opn	Open, opened	7-4 Ed2.1 (Draft)

3298	or	origin	7-3 Ed2.1 (Draft)
3299	OR	oper received	7-3 Ed2.1 (Draft)
3300	ORG	Object reference setting	IEC 61850-7-3 Ed2
3301	ORG	Originator	90-5 Ed1
3302	OSI	Open Systems Interconnection	
3303	OSI	Open System Interconnection	5 Ed2 (Draft)
3304	OSI	Open Systems Interconnection	8-1 Ed2
3305	OSI	Open System Interconnect	90-5 Ed1
3306	OSI	ISO 7498-1	90-4 Ed1 (Draft)
3307	Out	Output	7-420 Ed2 (Draft)
3308	Out	Output	7-4 Ed2.1 (Draft)
3309	Ov	Over, override, overflow	7-420 Ed2 (Draft)
3310	Ov	Over, override, overflow	7-4 Ed2.1 (Draft)
3311	Ovl	Overload	7-420 Ed2 (Draft)
3312	Ovl	Overload	7-4 Ed2.1 (Draft)
3313	owner	owner	7-3 Ed2.1 (Draft)
3314	Ox	Oxidant	7-420 Ed2 (Draft)
3315	Ox	Oxidant	7-4 Ed2.1 (Draft)
3316	P	Proportional	7-420 Ed2 (Draft)
3317	P	Proportional	7-4 Ed2.1 (Draft)
3318	Pa	Partial	7-420 Ed2 (Draft)
3319	Pa	Partial	7-4 Ed2.1 (Draft)
3320	Pair	Pair, paired	7-420 Ed2 (Draft)
3321	Pair	Pair, paired	7-4 Ed2.1 (Draft)
3322	Pap	Paper	7-420 Ed2 (Draft)
3323	Pap	Paper	7-4 Ed2.1 (Draft)
3324	Par	Parallel	7-420 Ed2 (Draft)
3325	par	parameter	7-3 Ed2.1 (Draft)
3326	Par	Parallel	7-4 Ed2.1 (Draft)
3327	param	parameter	7-3 Ed2.1 (Draft)
3328	Pas	Passive	7-4 Ed2.1 (Draft)
3329	PC	Physical Connection	5 Ed2 (Draft)
3330	Pcb	Power quality qualifier bin	7-420 Ed2 (Draft)
3331	Pcb	Power quality qualifier bin	7-4 Ed2.1 (Draft)
3332	PCP	IEEE 802.1Q	90-4 Ed1 (Draft)

3333	Pct	Percent, percentage	7-420 Ed2 (Draft)
3334	Pct	Percent, percentage	7-4 Ed2.1 (Draft)
3335	pd	period	7-3 Ed2.1 (Draft)
3336	PD	Physical Device	5 Ed2 (Draft)
3337	PDC	Phasor Data Concentrator	90-5 Ed1
3338	PDIF	Differential	7-4 Ed2
3339	PDIF.DifAClc	Dif=Differential, difference, A=Current, Clc=Calculate, calculated	7-4 Ed2.1 (Draft)
3340	PDIF.HiSet	Hi=High, highest, Set=Setting	7-4 Ed2.1 (Draft)
3341	PDIF.LinCapac	Lin=Line, Capac=Capacitance	7-4 Ed2.1 (Draft)
3342	PDIF.LoSet	Lo=Low (state or value), Set=Setting	7-4 Ed2.1 (Draft)
3343	PDIF.MaxOpTmms	Max=Maximum, Op=Operate, operating/Trip order to circuit-breaker, Tmms=Time in ms	7-4 Ed2.1 (Draft)
3344	PDIF.MinOpTmms	Min=Minimum, Op=Operate, operating/Trip order to circuit-breaker, Tmms=Time in ms	7-4 Ed2.1 (Draft)
3345	PDIF.Op	Op=Operate, operating/Trip order to circuit-breaker	7-4 Ed2.1 (Draft)
3346	PDIF.RsDlTmms	Rs=Reset, resettable, Dl=Delay, Tmms=Time in ms	7-4 Ed2.1 (Draft)
3347	PDIF.RstA	Rst=Restraint, restriction, A=Current	7-4 Ed2.1 (Draft)
3348	PDIF.RstMod	Rst=Restraint, restriction, Mod=Mode	7-4 Ed2.1 (Draft)
3349	PDIF.Str	Str=Start	7-4 Ed2.1 (Draft)
3350	PDIF.TmAChr	Tm=Time, A=Current, Chr=Characteristic	7-4 Ed2.1 (Draft)
3351	PDIF.TmACrv	y = f(x), where x = A...	7-4 Ed2.1 (Draft)
3352	PDIF.TmASt	Tm=Time, A=Current, St=Status, state	7-4 Ed2.1 (Draft)
3353	PDIR	Direction comparison	7-4 Ed2
3354	PDIR.Op	Op=Operate, operating/Trip order to circuit-breaker	7-4 Ed2.1 (Draft)
3355	PDIR.RsDlTmms	Rs=Reset, resettable, Dl=Delay, Tmms=Time in ms	7-4 Ed2.1 (Draft)
3356	PDIR.Str	Str=Start	7-4 Ed2.1 (Draft)
3357	PDIS	LN: Distance protection (Distanzschutz)	7-4 Ed2
3358	PDIS.AngLod	Ang=Angle, Lod=Load, loading	7-4 Ed2.1 (Draft)
3359	PDIS.DirMod	Dir=Direction, Mod=Mode	7-4 Ed2.1 (Draft)
3360	PDIS.GndDlMod	Gnd=Ground, Dl=Delay, Mod=Mode	7-4 Ed2.1 (Draft)
3361	PDIS.GndDlTmms	Gnd=Ground, Dl=Delay, Tmms=Time in ms	7-4 Ed2.1 (Draft)
3362	PDIS.GndStr	Gnd=Ground, Str=Start	7-4 Ed2.1 (Draft)
3363	PDIS.K0FactAng	K0Fact=Zero-sequence (residual) compensation factor, Ang=Angle	7-4 Ed2.1 (Draft)
3364	PDIS.LinAng	Lin=Line, Ang=Angle	7-4 Ed2.1 (Draft)
3365	PDIS.Ofs	Ofs=Offset	7-4 Ed2.1 (Draft)

3366	PDIS.Op	Op=Operate, operating/Trip order to circuit-breaker	7-4 Ed2.1 (Draft)
3367	PDIS.OpDlTmms	Op=Operate, operating/Trip order to circuit-breaker, Dl=Delay, Tmms=Time in ms	7-4 Ed2.1 (Draft)
3368	PDIS.PctOfs	Pct=Percent, percentage, Ofs=Offset	7-4 Ed2.1 (Draft)
3369	PDIS.PctRch	Pct=Percent, percentage, Rch=Reach	7-4 Ed2.1 (Draft)
3370	PDIS.PhDlMod	Ph=Phase to reference, Dl=Delay, Mod=Mode	7-4 Ed2.1 (Draft)
3371	PDIS.PhDlTmms	Ph=Phase to reference, Dl=Delay, Tmms=Time in ms	7-4 Ed2.1 (Draft)
3372	PDIS.PhStr	Ph=Phase to reference, Str=Start	7-4 Ed2.1 (Draft)
3373	PDIS.RisGndRch	Ris=Resistance, Gnd=Ground, Rch=Reach	7-4 Ed2.1 (Draft)
3374	PDIS.RisLod	Ris=Resistance, Lod=Load, loading	7-4 Ed2.1 (Draft)
3375	PDIS.RisPhRch	Ris=Resistance, Ph=Phase to reference, Rch=Reach	7-4 Ed2.1 (Draft)
3376	PDIS.RsDlTmms	Rs=Reset, resettable, Dl=Delay, Tmms=Time in ms	7-4 Ed2.1 (Draft)
3377	PDIS.Str	Str=Start	7-4 Ed2.1 (Draft)
3378	PDIS.TmDlMod	Tm=Time, Dl=Delay, Mod=Mode	7-4 Ed2.1 (Draft)
3379	PDIS.X1	X1=Positive sequence reactance	7-4 Ed2.1 (Draft)
3380	Pdm	Power quality demodulation	7-420 Ed2 (Draft)
3381	Pdm	Power quality demodulation	7-4 Ed2.1 (Draft)
3382	PDOP	Directional overpower	7-4 Ed2
3383	PDU	Protocol Data Unit (Nachricht)	IEC 61850-7-2 Ed2
3384	PDU	Protocol Data Unit	8-1 Ed2
3385	PDUP	Directional underpower	7-4 Ed2
3386	Pe	Electric Power	7-4 Ed2.1 (Draft)
3387	Per	Periodic, period	7-420 Ed2 (Draft)
3388	per	period	7-3 Ed2.1 (Draft)
3389	Per	Periodic, period	7-4 Ed2.1 (Draft)
3390	persistent	persistent	7-3 Ed2.1 (Draft)
3391	PF	Power factor	7-420 Ed2 (Draft)
3392	PF	Power factor	7-4 Ed2.1 (Draft)
3393	PFD	Probability to Fail on Demand	90-4 Ed1 (Draft)
3394	PFRC	Rate of change of frequency	7-4 Ed2
3395	PH	Acidity, value of pH	7-420 Ed2 (Draft)
3396	Ph	Phase to reference	7-420 Ed2 (Draft)
3397	PH	Acidity, value of pH	7-4 Ed2.1 (Draft)
3398	Ph	Phase to reference	7-4 Ed2.1 (Draft)
3399	PHAR	Harmonic restraint	7-4 Ed2

3400	PHAR.HaRst	Ha=Harmonics (non-phase-related AC), Rst=Restraint, restriction	7-4 Ed2.1 (Draft)
3401	PHAR.OpDlTmms	Op=Operate, operating/Trip order to circuit-breaker, Dl=Delay, Tmms=Time in ms	7-4 Ed2.1 (Draft)
3402	PHAR.PhStop	Ph=Phase to reference, Stop=Stop	7-4 Ed2.1 (Draft)
3403	PHAR.PhStr	Ph=Phase to reference, Str=Start	7-4 Ed2.1 (Draft)
3404	PHAR.RsDlTmms	Rs=Reset, resettable, Dl=Delay, Tmms=Time in ms	7-4 Ed2.1 (Draft)
3405	PHAR.Str	Str=Start	7-4 Ed2.1 (Draft)
3406	PHD	Physical Device	IEC 61850-7-1 Ed2
3407	PHIZ	Ground detector	7-4 Ed2
3408	PHIZ.AStr	A=Current, Str=Start	7-4 Ed2.1 (Draft)
3409	PHIZ.HVStr	H=Harmonics (phase-related), V=Voltage, Str=Start	7-4 Ed2.1 (Draft)
3410	PHIZ.Op	Op=Operate, operating/Trip order to circuit-breaker	7-4 Ed2.1 (Draft)
3411	PHIZ.OpDlTmms	Op=Operate, operating/Trip order to circuit-breaker, Dl=Delay, Tmms=Time in ms	7-4 Ed2.1 (Draft)
3412	PHIZ.RsDlTmms	Rs=Reset, resettable, Dl=Delay, Tmms=Time in ms	7-4 Ed2.1 (Draft)
3413	PHIZ.Str	Str=Start	7-4 Ed2.1 (Draft)
3414	PHIZ.VStr	V=Voltage, Str=Start	7-4 Ed2.1 (Draft)
3415	Phs	Phase	7-420 Ed2 (Draft)
3416	phs	phase	7-3 Ed2.1 (Draft)
3417	Phs	Phase	7-4 Ed2.1 (Draft)
3418	PhsA	Phase L1	7-420 Ed2 (Draft)
3419	phsA	phase A	7-3 Ed2.1 (Draft)
3420	PhsA	Phase L1	7-4 Ed2.1 (Draft)
3421	PhsB	Phase L2	7-420 Ed2 (Draft)
3422	phsB	phase B	7-3 Ed2.1 (Draft)
3423	PhsB	Phase L2	7-4 Ed2.1 (Draft)
3424	PhsC	Phase L3	7-420 Ed2 (Draft)
3425	phsC	phase C	7-3 Ed2.1 (Draft)
3426	PhsC	Phase L3	7-4 Ed2.1 (Draft)
3427	Phy	Physical	7-420 Ed2 (Draft)
3428	Phy	Physical	7-4 Ed2.1 (Draft)
3429	Pi	Instantaneous real power	7-420 Ed2 (Draft)
3430	Pi	Instantaneous real power	7-4 Ed2.1 (Draft)
3431	PI	Parameter Identifier. This identifier is used to identify a specific session protocol parameter.	90-5 Ed1

3432	PI	Process Interface (Primary technology to/from Process Bus)	90-4 Ed1 (Draft)
3433	PIA	Process Interface Analog	90-4 Ed1 (Draft)
3434	PIB	Process Interface Binary	90-4 Ed1 (Draft)
3435	PICOM	Piece of Information for Communication	IEC 61850-7-1 Ed2
3436	PICOM	Piece of Information for COMmunication	5 Ed2 (Draft)
3437	PICS	protocol implementation conformance statement	IEC 61850-7-2 Ed2
3438	PICS	Protocol Implementation Conformance Statement	8-1 Ed2
3439	PICS	Protocol Conformance Implementation Statement	90-5 Ed1
3440	PICS_SUBST	Attribute is mandatory, if substitution is supported (for substitution, see IEC 61850-7-2), otherwise forbidden.	IEC 61850-7-3 Ed2
3441	Pin	Pin	7-4 Ed2.1 (Draft)
3442	PIO	Process Interface Output (to the Primary Technology)	90-4 Ed1 (Draft)
3443	PIOC	Instantaneous overcurrent	7-4 Ed2
3444	PIOC.Op	Op=Operate, operating/Trip order to circuit-breaker	7-4 Ed2.1 (Draft)
3445	PIOC.Str	Str=Start	7-4 Ed2.1 (Draft)
3446	PIOC.StrVal	Str=Start, Val=Value	7-4 Ed2.1 (Draft)
3447	Pipe	Pipe	7-4 Ed2.1 (Draft)
3448	PIXIT	protocol Implementation extra information	IEC 61850-7-2 Ed2
3449	PIXIT	Protocol Implementation Extra Information	8-1 Ed2
3450	Pk	Peak	7-420 Ed2 (Draft)
3451	Pk	Peak	7-4 Ed2.1 (Draft)
3452	Pl	Plant	7-420 Ed2 (Draft)
3453	Pl	Plant	7-4 Ed2.1 (Draft)
3454	Plg	Plug	7-420 Ed2 (Draft)
3455	Plg	Plug	7-4 Ed2.1 (Draft)
3456	Pls	Pulse	7-420 Ed2 (Draft)
3457	pls	pulse	7-3 Ed2.1 (Draft)
3458	Pls	Pulse	7-4 Ed2.1 (Draft)
3459	Plt	Plate, long-term flicker severity	7-420 Ed2 (Draft)
3460	Plt	Plate, long-term flicker severity	7-4 Ed2.1 (Draft)
3461	PMC	Protection, Measurement and Control combined IED	90-4 Ed1 (Draft)
3462	Pmp	Pump	7-420 Ed2 (Draft)
3463	Pmp	Pump	7-4 Ed2.1 (Draft)
3464	PMRI	Motor restart inhibition	7-4 Ed2
3465	PMRI.EqTmm	Eq=Equalization, equal, Tmm=Time in min	7-4 Ed2.1 (Draft)

3466	PMRI.InhTmm	Inh=Inhibit, Tmm=Time in min	7-4 Ed2.1 (Draft)
3467	PMRI.MaxNumStr	Max=Maximum, Num=Number, Str=Start	7-4 Ed2.1 (Draft)
3468	PMRI.MaxStrTmm	Max=Maximum, Str=Start, Tmm=Time in min	7-4 Ed2.1 (Draft)
3469	PMRI.MaxWrmStr	Max=Maximum, Wrm=Warm, Str=Start	7-4 Ed2.1 (Draft)
3470	PMRI.StrInh	Str=Start, Inh=Inhibit	7-4 Ed2.1 (Draft)
3471	PMRI.StrInhTmm	Str=Start, Inh=Inhibit, Tmm=Time in min	7-4 Ed2.1 (Draft)
3472	PMSS	Motor starting time supervision	7-4 Ed2
3473	PMSS.LokRotTms	Lok=Locked, Rot=Rotation, rotor, Tms=Time in s	7-4 Ed2.1 (Draft)
3474	PMSS.MotStr	Mot=Motor, Str=Start	7-4 Ed2.1 (Draft)
3475	PMSS.Str	Str=Start	7-4 Ed2.1 (Draft)
3476	PMU	Phasor Measurement Unit	90-5 Ed1
3477	PNV	Phase-to-neutral voltage	7-420 Ed2 (Draft)
3478	PNV	Phase-to-neutral voltage	7-4 Ed2.1 (Draft)
3479	Po	Polar	7-420 Ed2 (Draft)
3480	Po	Polar	7-4 Ed2.1 (Draft)
3481	point	point	7-3 Ed2.1 (Draft)
3482	Pol	Polarizing	7-420 Ed2 (Draft)
3483	Pol	Polarizing	7-4 Ed2.1 (Draft)
3484	Polytr	Polytropic	7-4 Ed2.1 (Draft)
3485	POP	Proof of Posession	90-5 Ed1
3486	POPF	Over power factor	7-4 Ed2
3487	PortBindingLN.PortRef	Port=Port, Ref=Reference	7-4 Ed2.1 (Draft)
3488	Pos	Position	7-420 Ed2 (Draft)
3489	pos	position	7-3 Ed2.1 (Draft)
3490	Pos	Position	7-4 Ed2.1 (Draft)
3491	PosA	Position phase L1	7-420 Ed2 (Draft)
3492	PosA	Position phase L1	7-4 Ed2.1 (Draft)
3493	PosB	Position phase L2	7-420 Ed2 (Draft)
3494	PosB	Position phase L2	7-4 Ed2.1 (Draft)
3495	PosC	Position phase L3	7-420 Ed2 (Draft)
3496	PosC	Position phase L3	7-4 Ed2.1 (Draft)
3497	PosChg	Position change	7-420 Ed2 (Draft)
3498	PosChg	Position change	7-4 Ed2.1 (Draft)
3499	Pot	Potentiometer	7-420 Ed2 (Draft)
3500	Pot	Potentiometer	7-4 Ed2.1 (Draft)

3501	POW	Point on wave switching	7-420 Ed2 (Draft)
3502	POW	Point on wave switching	7-4 Ed2.1 (Draft)
3503	PowerFactorProtectionLN		
3504	PowerFactorProtectionLN.BlkA	Blk=Block, blocked, A=Current	7-4 Ed2.1 (Draft)
3505	PowerFactorProtectionLN.BlkV	Blk=Block, blocked, V=Voltage	7-4 Ed2.1 (Draft)
3506	PowerFactorProtectionLN.BlkValA	Blk=Block, blocked, Val=Value, A=Current	7-4 Ed2.1 (Draft)
3507	PowerFactorProtectionLN.BlkValV	Blk=Block, blocked, Val=Value, V=Voltage	7-4 Ed2.1 (Draft)
3508	PowerFactorProtectionLN.Op	Op=Operate, operating/Trip order to circuit-breaker	7-4 Ed2.1 (Draft)
3509	PowerFactorProtectionLN.OpDlTmms	Op=Operate, operating/Trip order to circuit-breaker, Dl=Delay, Tmms=Time in ms	7-4 Ed2.1 (Draft)
3510	PowerFactorProtectionLN.RsDlTmms	Rs=Reset, resettable, Dl=Delay, Tmms=Time in ms	7-4 Ed2.1 (Draft)
3511	PowerFactorProtectionLN.Str	Str=Start	7-4 Ed2.1 (Draft)
3512	PowerFactorProtectionLN.StrVal	Str=Start, Val=Value	7-4 Ed2.1 (Draft)
3513	PowerProtectionLN.DirMod	Dir=Direction, Mod=Mode	7-4 Ed2.1 (Draft)
3514	PowerProtectionLN.Op	Op=Operate, operating/Trip order to circuit-breaker	7-4 Ed2.1 (Draft)
3515	PowerProtectionLN.OpDlTmms	Op=Operate, operating/Trip order to circuit-breaker, Dl=Delay, Tmms=Time in ms	7-4 Ed2.1 (Draft)
3516	PowerProtectionLN.RsDlTmms	Rs=Reset, resettable, Dl=Delay, Tmms=Time in ms	7-4 Ed2.1 (Draft)
3517	PowerProtectionLN.Str	Str=Start	7-4 Ed2.1 (Draft)
3518	PowerProtectionLN.StrVal	Str=Start, Val=Value	7-4 Ed2.1 (Draft)
3519	PowerQualityLN		
3520	PowerQualityLN.EvtCnt	Evt=Event, Cnt=Counter	7-4 Ed2.1 (Draft)
3521	PowerQualityLN.OpCntRs	Op=Operate, operating/Trip order to circuit-breaker, Cnt=Counter, Rs=Reset, resettable	7-4 Ed2.1 (Draft)
3522	PowerQualityLN.VaEnd	Va=Variation, End=End	7-4 Ed2.1 (Draft)
3523	PowerQualityLN.VaStr	Va=Variation, Str=Start	7-4 Ed2.1 (Draft)
3524	PP	Phase to phase	7-420 Ed2 (Draft)
3525	PP	Phase to phase	7-4 Ed2.1 (Draft)
3526	PPAM	Phase angle measuring	7-4 Ed2
3527	PPCP	Port Priority Code Point, default port priority	90-4 Ed1 (Draft)
3528	ppm	Parts per million	7-420 Ed2 (Draft)
3529	ppm	Parts per million	7-4 Ed2.1 (Draft)
3530	PPS	Pulse Per Second (1 PPS time synchronization)	90-4 Ed1 (Draft)
3531	PPV	Phase to phase voltage	7-420 Ed2 (Draft)
3532	PPV	Phase to phase voltage	7-4 Ed2.1 (Draft)

3533	Prc	Price, pricing	7-420 Ed2 (Draft)
3534	Prc	Price, pricing	7-4 Ed2.1 (Draft)
3535	Pre	Pre-	7-420 Ed2 (Draft)
3536	Pre	Pre-	7-4 Ed2.1 (Draft)
3537	Prec	Precondition, initial status	7-4 Ed2.1 (Draft)
3538	Pres	Pressure	7-420 Ed2 (Draft)
3539	Pres	Pressure	7-4 Ed2.1 (Draft)
3540	Prg	Progress, in progress	7-420 Ed2 (Draft)
3541	Prg	Progress, in progress	7-4 Ed2.1 (Draft)
3542	prime	primary	7-3 Ed2.1 (Draft)
3543	Prm	Permissive	7-420 Ed2 (Draft)
3544	Prm	Permissive	7-4 Ed2.1 (Draft)
3545	Pro	Protection	7-420 Ed2 (Draft)
3546	Pro	Protection	7-4 Ed2.1 (Draft)
3547	Proc	Process	7-420 Ed2 (Draft)
3548	Proc	Process	7-4 Ed2.1 (Draft)
3549	Prod	Production	7-420 Ed2 (Draft)
3550	Prod	Production	7-4 Ed2.1 (Draft)
3551	ProtectionLN		
3552	ProtectionLN.OpCntRs	Op=Operate, operating/Trip order to circuit-breaker, Cnt=Counter, Rs=Reset, resettable	7-4 Ed2.1 (Draft)
3553	Proxy	Proxy	7-420 Ed2 (Draft)
3554	Proxy	Proxy	7-4 Ed2.1 (Draft)
3555	PRP	IEC 62439-3:2012, Clause 4	90-4 Ed1 (Draft)
3556	PRP1	Parallel Redundancy Protocol Version 1	8-1 Ed2
3557	Prt	Parts, part	7-420 Ed2 (Draft)
3558	Prt	Parts, part	7-4 Ed2.1 (Draft)
3559	PRTR	Rotor protection	7-4 Ed2
3560	PRTR	Rotor protection	7-410 Ed1
3561	PRTR.CwbAmpDirNg	negative	7-410 Ed2 (Draft)
3562	PRTR.CwbAmpDirPs	Cwb=Crowbar, Amp=Ampere, current non-phase-related AC, Dir=Direction, Ps=Positive	7-410 Ed2 (Draft)
3563	PRTR.CwbFlt	Cwb=Crowbar, Flt=Fault	7-410 Ed2 (Draft)
3564	PRTR.OpDlTmms	Op=Operate, operating/Trip order to circuit-breaker, Dl=Delay, Tmms=Time in ms	7-410 Ed2 (Draft)

3565	PRTR.OvVFlt	Ov=Over, override, overflow, V=Voltage, Flt=Fault	7-410 Ed2 (Draft)
3566	PRTR.RsDlTmms	Rs=Reset, resettable, Dl=Delay, Tmms=Time in ms	7-410 Ed2 (Draft)
3567	PRTR.TrgMaxCnt	Trg=Trigger, Max=Maximum, Cnt=Counter	7-410 Ed2 (Draft)
3568	Ps	Positive	7-420 Ed2 (Draft)
3569	Ps	Positive	7-4 Ed2.1 (Draft)
3570	PSCH	Protection scheme	7-4 Ed2
3571	PSCH.CrdTmms	Crd=Coordination, Tmms=Time in ms	7-4 Ed2.1 (Draft)
3572	PSCH.DurTmms	Dur=Duration, Tmms=Time in ms	7-4 Ed2.1 (Draft)
3573	PSCH.EchoWei	Echo=Echo, Wei=Weak end infeed	7-4 Ed2.1 (Draft)
3574	PSCH.EchoWeiOp	Echo=Echo, Wei=Weak end infeed, Op=Operate, operating/Trip order to circuit-breaker	7-4 Ed2.1 (Draft)
3575	PSCH.Op	Op=Operate, operating/Trip order to circuit-breaker	7-4 Ed2.1 (Draft)
3576	PSCH.OpDlTmms	Op=Operate, operating/Trip order to circuit-breaker, Dl=Delay, Tmms=Time in ms	7-4 Ed2.1 (Draft)
3577	PSCH.RxBlk	Rx=Receive, received, Blk=Block, blocked	7-4 Ed2.1 (Draft)
3578	PSCH.RxPrm	Rx=Receive, received, Prm=Permissive	7-4 Ed2.1 (Draft)
3579	PSCH.RxSrc	Rx=Receive, received, Src=Source	7-4 Ed2.1 (Draft)
3580	PSCH.RxSrcTr	Rx=Receive, received, Src=Source, Tr=Trip	7-4 Ed2.1 (Draft)
3581	PSCH.RxTr	Rx=Receive, received, Tr=Trip	7-4 Ed2.1 (Draft)
3582	PSCH.TxBlk	Tx=Transmit, transmitted, Blk=Block, blocked	7-4 Ed2.1 (Draft)
3583	PSCH.TxPrm	Tx=Transmit, transmitted, Prm=Permissive	7-4 Ed2.1 (Draft)
3584	PSCH.TxTr	Tx=Transmit, transmitted, Tr=Trip	7-4 Ed2.1 (Draft)
3585	PSCH.UnBlkMod	Un=Under, Blk=Block, blocked, Mod=Mode	7-4 Ed2.1 (Draft)
3586	PSCH.UnBlkTmms	Un=Under, Blk=Block, blocked, Tmms=Time in ms	7-4 Ed2.1 (Draft)
3587	PSCH.WeiMod	Wei=Weak end infeed, Mod=Mode	7-4 Ed2.1 (Draft)
3588	PSCH.WeiTmms	Wei=Weak end infeed, Tmms=Time in ms	7-4 Ed2.1 (Draft)
3589	PSDE	Sensitive directional earthfault	7-4 Ed2
3590	PSDE.Ang	Ang=Angle	7-4 Ed2.1 (Draft)
3591	PSDE.GndOp	Gnd=Ground, Op=Operate, operating/Trip order to circuit-breaker	7-4 Ed2.1 (Draft)
3592	PSDE.Op	Op=Operate, operating/Trip order to circuit-breaker	7-4 Ed2.1 (Draft)
3593	PSDE.OpDlTmms	Op=Operate, operating/Trip order to circuit-breaker, Dl=Delay, Tmms=Time in ms	7-4 Ed2.1 (Draft)
3594	PSDE.Str	Str=Start	7-4 Ed2.1 (Draft)
3595	PSDE.StrDlTmms	Str=Start, Dl=Delay, Tmms=Time in ms	7-4 Ed2.1 (Draft)
3596	Psk	Penstock	7-4 Ed2.1 (Draft)

3597	PSP	Physical Security Perimeter	90-5 Ed1
3598	Pss	PSS, power system stabiliser function	7-4 Ed2.1 (Draft)
3599	Pst	Post, short-term flicker severity	7-420 Ed2 (Draft)
3600	Pst	Post, short-term flicker severity	7-4 Ed2.1 (Draft)
3601	Pt	Point	7-420 Ed2 (Draft)
3602	Pt	Point	7-4 Ed2.1 (Draft)
3603	PT1	Low-pass exponential time rate filter	7-420 Ed2 (Draft)
3604	PT1	Low-pass exponential time rate filter	7-4 Ed2.1 (Draft)
3605	PT100	Temperature Sensor (Platinum resistor)	
3606	Ptch	Pitch	7-420 Ed2 (Draft)
3607	Ptch	Pitch	7-4 Ed2.1 (Draft)
3608	PTEF	Transient earth fault	7-4 Ed2
3609	PTEF.Op	Op=Operate, operating/Trip order to circuit-breaker	7-4 Ed2.1 (Draft)
3610	PTEF.Str	Str=Start	7-4 Ed2.1 (Draft)
3611	PTHF	Tyristor protection	7-4 Ed2
3612	PTHF	Thyristor protection	7-410 Ed1
3613	PTOC	LN: Time overcurrent protection (Maximalstromzeitschutz)	7-4 Ed2
3614	PTOC.DirMod	Dir=Direction, Mod=Mode	7-4 Ed2.1 (Draft)
3615	PTOC.StrVal	Str=Start, Val=Value	7-4 Ed2.1 (Draft)
3616	PTOF	LN: Overfrequency protection (Überfrequenzschutz)	7-4 Ed2
3617	PTOV	LN: Overvoltage protection (Überspannungsschutz)	7-4 Ed2
3618	PTOV.Op	Op=Operate, operating/Trip order to circuit-breaker	7-4 Ed2.1 (Draft)
3619	PTOV.TmVChr	Tm=Time, V=Voltage, Chr=Characteristic	7-4 Ed2.1 (Draft)
3620	PTOV.TmVCrv	y = f(x), where x = V...	7-4 Ed2.1 (Draft)
3621	PTOV.TmVSt	Tm=Time, V=Voltage, St=Status, state	7-4 Ed2.1 (Draft)
3622	PTP	IEC 61588:2008	90-4 Ed1 (Draft)
3623	PTRC	Protection trip conditioning	7-4 Ed2
3624	PTRC.Op	Op=Operate, operating/Trip order to circuit-breaker	7-4 Ed2.1 (Draft)
3625	PTRC.Str	Str=Start	7-4 Ed2.1 (Draft)
3626	PTRC.Tr	Tr=Trip	7-4 Ed2.1 (Draft)
3627	PTRC.TrMod	Tr=Trip, Mod=Mode	7-4 Ed2.1 (Draft)
3628	PTRC.TrPlsTmms	Tr=Trip, Pls=Pulse, Tmms=Time in ms	7-4 Ed2.1 (Draft)
3629	pts	points	7-3 Ed2.1 (Draft)
3630	PTTR	Thermal overload	7-4 Ed2
3631	PTTR.AlmThm	Alm=Alarm, Thm=Thermal	7-4 Ed2.1 (Draft)

3632	PTTR.AlmVal	Alm=Alarm, Val=Value	7-4 Ed2.1 (Draft)
3633	PTTR.Amp	Amp=Ampere, current non-phase-related AC	7-4 Ed2.1 (Draft)
3634	PTTR.BlkThm	Blk=Block, blocked, Thm=Thermal	7-4 Ed2.1 (Draft)
3635	PTTR.ConsTms	Cons=Constant, Tms=Time in s	7-4 Ed2.1 (Draft)
3636	PTTR.DropoutVal	Dropout=Dropout, Val=Value	7-4 Ed2.1 (Draft)
3637	PTTR.LodRsvAlm	Lod=Load, loading, Rsv=Reserve, Alm=Alarm	7-4 Ed2.1 (Draft)
3638	PTTR.LodRsvTr	Lod=Load, loading, Rsv=Reserve, Tr=Trip	7-4 Ed2.1 (Draft)
3639	PTTR.MaxOpTmms	Max=Maximum, Op=Operate, operating/Trip order to circuit-breaker, Tmms=Time in ms	7-4 Ed2.1 (Draft)
3640	PTTR.MinOpTmms	Min=Minimum, Op=Operate, operating/Trip order to circuit-breaker, Tmms=Time in ms	7-4 Ed2.1 (Draft)
3641	PTTR.Op	Op=Operate, operating/Trip order to circuit-breaker	7-4 Ed2.1 (Draft)
3642	PTTR.OpDlTmms	Op=Operate, operating/Trip order to circuit-breaker, Dl=Delay, Tmms=Time in ms	7-4 Ed2.1 (Draft)
3643	PTTR.RsDlTmms	Rs=Reset, resettable, Dl=Delay, Tmms=Time in ms	7-4 Ed2.1 (Draft)
3644	PTTR.Str	Str=Start	7-4 Ed2.1 (Draft)
3645	PTTR.StrVal	Str=Start, Val=Value	7-4 Ed2.1 (Draft)
3646	PTTR.TmAChr	Tm=Time, A=Current, Chr=Characteristic	7-4 Ed2.1 (Draft)
3647	PTTR.TmACrv	y = f(x), where x = A...	7-4 Ed2.1 (Draft)
3648	PTTR.TmASt	Tm=Time, A=Current, St=Status, state	7-4 Ed2.1 (Draft)
3649	PTTR.Tmp	Tmp=Temperature (°C)	7-4 Ed2.1 (Draft)
3650	PTTR.TmpMax	Tmp=Temperature (°C), Max=Maximum	7-4 Ed2.1 (Draft)
3651	PTTR.TmpRl	Tmp=Temperature (°C), Rl=Relation, relative	7-4 Ed2.1 (Draft)
3652	PTTR.TmTmpChr	Tm=Time, Tmp=Temperature (°C), Chr=Characteristic	7-4 Ed2.1 (Draft)
3653	PTTR.TmTmpCrv	y = f(x), where x = T...	7-4 Ed2.1 (Draft)
3654	PTTR.TmTmpSt	Tm=Time, Tmp=Temperature (°C), St=Status, state	7-4 Ed2.1 (Draft)
3655	PTUC	Undercurrent	7-4 Ed2
3656	PTUC.DirMod	Dir=Direction, Mod=Mode	7-4 Ed2.1 (Draft)
3657	PTUC.StrVal	Str=Start, Val=Value	7-4 Ed2.1 (Draft)
3658	PTUF	Underfrequency	7-4 Ed2
3659	PTUV	Undervoltage	7-4 Ed2
3660	PTUV.Op	Op=Operate, operating/Trip order to circuit-breaker	7-4 Ed2.1 (Draft)
3661	PTUV.TmVChr	Tm=Time, V=Voltage, Chr=Characteristic	7-4 Ed2.1 (Draft)
3662	PTUV.TmVCrv	y = f(x), where x = V...	7-4 Ed2.1 (Draft)
3663	PTUV.TmVSt	Tm=Time, V=Voltage, St=Status, state	7-4 Ed2.1 (Draft)

3664	puls	puls	7-3 Ed2.1 (Draft)
3665	pulse	pulse	7-3 Ed2.1 (Draft)
3666	PUPF	Underpower factor	7-4 Ed2
3667	purpose	purpose	7-3 Ed2.1 (Draft)
3668	PVID	IEEE 802.1Q	90-4 Ed1 (Draft)
3669	PVMS	IEEE 802.1Q	90-4 Ed1 (Draft)
3670	PVOC	Voltage controlled time overcurrent	7-4 Ed2
3671	PVOC.AVChr	A=Current, V=Voltage, Chr=Characteristic	7-4 Ed2.1 (Draft)
3672	PVOC.AVCrv	y = f(x), where x = V...	7-4 Ed2.1 (Draft)
3673	PVOC.AVSt	A=Current, V=Voltage, St=Status, state	7-4 Ed2.1 (Draft)
3674	PVPH	Volts per Hz	7-4 Ed2
3675	PVPH.Op	Op=Operate, operating/Trip order to circuit-breaker	7-4 Ed2.1 (Draft)
3676	PVPH.TypRsCrv	Typ=Type, Rs=Reset, resettable, Crv=Curve	7-4 Ed2.1 (Draft)
3677	PVPH.VHzChr	V=Voltage, Hz=Frequency, Chr=Characteristic	7-4 Ed2.1 (Draft)
3678	PVPH.VHzCrv	y = f(x), where x = H...	7-4 Ed2.1 (Draft)
3679	PVPH.VHzSt	V=Voltage, Hz=Frequency, St=Status, state	7-4 Ed2.1 (Draft)
3680	Pwr	Power	7-420 Ed2 (Draft)
3681	Pwr	Power	7-4 Ed2.1 (Draft)
3682	PZSU	Zero speed or underspeed	7-4 Ed2
3683	PZSU.Op	Op=Operate, operating/Trip order to circuit-breaker	7-4 Ed2.1 (Draft)
3684	PZSU.OpDlTmms	Op=Operate, operating/Trip order to circuit-breaker, Dl=Delay, Tmms=Time in ms	7-4 Ed2.1 (Draft)
3685	PZSU.RsDlTmms	Rs=Reset, resettable, Dl=Delay, Tmms=Time in ms	7-4 Ed2.1 (Draft)
3686	PZSU.Str	Str=Start	7-4 Ed2.1 (Draft)
3687	PZSU.StrVal	Str=Start, Val=Value	7-4 Ed2.1 (Draft)
3688	q	quality	7-3 Ed2.1 (Draft)
3689	QB	IEC 62439-3:2012	90-4 Ed1 (Draft)
3690	qchg	quality change trigger option	IEC 61850-7-2 Ed2
3691	qchg	trigger option for quality-change	IEC 61850-7-3 Ed2
3692	qchg	trigger option for quality-change	7-3 Ed2.1 (Draft)
3693	QFVR	Frequency Variation	7-4 Ed2
3694	QFVR.HzVaMag	Hz=Frequency, Va=Variation, Mag=Magnetic, magnitude	7-4 Ed2.1 (Draft)
3695	QFVR.HzVaTm	Hz=Frequency, Va=Variation, Tm=Time	7-4 Ed2.1 (Draft)
3696	QFVR.OvHzStr	Ov=Over, override, overflow, Hz=Frequency, Str=Start	7-4 Ed2.1 (Draft)
3697	QFVR.OvHzStrVal	Ov=Over, override, overflow, Hz=Frequency, Str=Start, Val=Value	7-4 Ed2.1 (Draft)

3698	QFVR.UnHzStr	Un=Under, Hz=Frequency, Str=Start	7-4 Ed2.1 (Draft)
3699	QFVR.UnHzStrVal	Un=Under, Hz=Frequency, Str=Start, Val=Value	7-4 Ed2.1 (Draft)
3700	QITR	Current Transient	7-4 Ed2
3701	QITR.ATrsTm	A=Current, Trs=Transient, Tm=Time	7-4 Ed2.1 (Draft)
3702	QITR.MaxATrs	Max=Maximum, A=Current, Trs=Transient	7-4 Ed2.1 (Draft)
3703	QITR.StrVal	Str=Start, Val=Value	7-4 Ed2.1 (Draft)
3704	QIUB	Current Unbalance Variation	7-4 Ed2
3705	QIUB.AVaTm	A=Current, Va=Variation, Tm=Time	7-4 Ed2.1 (Draft)
3706	QIUB.MaxAVa	Max=Maximum, A=Current, Va=Variation	7-4 Ed2.1 (Draft)
3707	Qty	Quantity	7-420 Ed2 (Draft)
3708	qty	quantity	7-3 Ed2.1 (Draft)
3709	Qty	Quantity	7-4 Ed2.1 (Draft)
3710	Qu	Queue	7-4 Ed2.1 (Draft)
3711	qual	qualifyer	7-3 Ed2.1 (Draft)
3712	Qud	Quad	7-420 Ed2 (Draft)
3713	Qud	Quad	7-4 Ed2.1 (Draft)
3714	QVTR	Voltage Transien	7-4 Ed2
3715	QVTR.MaxVTrs	Max=Maximum, V=Voltage, Trs=Transient	7-4 Ed2.1 (Draft)
3716	QVTR.StrVal	Str=Start, Val=Value	7-4 Ed2.1 (Draft)
3717	QVTR.VTrsTm	V=Voltage, Trs=Transient, Tm=Time	7-4 Ed2.1 (Draft)
3718	QVUB	Voltage Unbalance Variation	7-4 Ed2
3719	QVUB.MaxVVa	Max=Maximum, V=Voltage, Va=Variation	7-4 Ed2.1 (Draft)
3720	QVUB.VVaTm	V=Voltage, Va=Variation, Tm=Time	7-4 Ed2.1 (Draft)
3721	QVVR	Voltage Variation	7-4 Ed2
3722	QVVR.DipStr	Dip=Dip, Str=Start	7-4 Ed2.1 (Draft)
3723	QVVR.DipStrVal	Dip=Dip, Str=Start, Val=Value	7-4 Ed2.1 (Draft)
3724	QVVR.IntrDetMth	Intr=Interrupt, interruption, Det=Detected, Mth=Method	7-4 Ed2.1 (Draft)
3725	QVVR.IntrStr	Intr=Interrupt, interruption, Str=Start	7-4 Ed2.1 (Draft)
3726	QVVR.IntrStrVal	Intr=Interrupt, interruption, Str=Start, Val=Value	7-4 Ed2.1 (Draft)
3727	QVVR.SwlStr	Swl=Power quality event swell, Str=Start	7-4 Ed2.1 (Draft)
3728	QVVR.SwlStrVal	Swl=Power quality event swell, Str=Start, Val=Value	7-4 Ed2.1 (Draft)
3729	QVVR.VVa	V=Voltage, Va=Variation	7-4 Ed2.1 (Draft)
3730	QVVR.VVaTm	V=Voltage, Va=Variation, Tm=Time	7-4 Ed2.1 (Draft)
3731	R	Raise, increase	7-420 Ed2 (Draft)
3732	R	Raise, increase	7-4 Ed2.1 (Draft)

3733	r	Mandates that the item is readable. The ability to write the item is a local issue.	8-1 Ed2
3734	r	Readable	90-5 Ed1
3735	R- GoCB	Routable GOOSE Control Block	90-5 Ed1
3736	R0	zero sequence resistance	7-4 Ed2.1 (Draft)
3737	Rad	Radiation	7-420 Ed2 (Draft)
3738	Rad	Radiation	7-4 Ed2.1 (Draft)
3739	RADR	Disturbance recorder channel analogue	7-4 Ed2
3740	RADR.HiTrgLev	Hi=High, highest, Trg=Trigger, Lev=Level	7-4 Ed2.1 (Draft)
3741	RADR.LoTrgLev	Lo=Low (state or value), Trg=Trigger, Lev=Level	7-4 Ed2.1 (Draft)
3742	Ral	Rail	7-420 Ed2 (Draft)
3743	Ral	Rail	7-4 Ed2.1 (Draft)
3744	Ramp	Ramp	7-420 Ed2 (Draft)
3745	Ramp	Ramp	7-4 Ed2.1 (Draft)
3746	range	range	7-3 Ed2.1 (Draft)
3747	RAS	Remedial Action Scheme	90-5 Ed1
3748	Rat	Ratio	7-420 Ed2 (Draft)
3749	Rat	Ratio	7-4 Ed2.1 (Draft)
3750	rate	rate	7-3 Ed2.1 (Draft)
3751	Rb	Runner blade	7-4 Ed2.1 (Draft)
3752	RB	IEC 62439-3:2012	90-4 Ed1 (Draft)
3753	RBAC	Role Base Access	8-1 Ed2
3754	RBDR	Disturbance recorder channel binary	7-4 Ed2
3755	RBRF	Breaker failure	7-4 Ed2
3756	RBRF.DetValA	Det=Detected, Val=Value, A=Current	7-4 Ed2.1 (Draft)
3757	RBRF.FailMod	Fail=Failure, Mod=Mode	7-4 Ed2.1 (Draft)
3758	RBRF.FailTmms	Fail=Failure, Tmms=Time in ms	7-4 Ed2.1 (Draft)
3759	RBRF.OpCntRs	Op=Operate, operating/Trip order to circuit-breaker, Cnt=Counter, Rs=Reset, resettable	7-4 Ed2.1 (Draft)
3760	RBRF.OpEx	Op=Operate, operating/Trip order to circuit-breaker, Ex=External	7-4 Ed2.1 (Draft)
3761	RBRF.OpIn	Op=Operate, operating/Trip order to circuit-breaker, In=Input	7-4 Ed2.1 (Draft)
3762	RBRF.ReTrMod	Re=Retry, Tr=Trip, Mod=Mode	7-4 Ed2.1 (Draft)
3763	RBRF.SPITrTmms	SPI=Single pole, Tr=Trip, Tmms=Time in ms	7-4 Ed2.1 (Draft)
3764	RBRF.Str	Str=Start	7-4 Ed2.1 (Draft)
3765	RBRF.TPTrTmms	TP=Three pole, Tr=Trip, Tmms=Time in ms	7-4 Ed2.1 (Draft)

3766	RCB	Report Control Block	IEC 61850-6 Ed2
3767	RCB	Report Control Block	6 Ed2
3768	RCB	Report Control Block	IEC 61850-7-2
3769	Rcd	Record, recording	7-420 Ed2 (Draft)
3770	Rcd	Record, recording	7-4 Ed2.1 (Draft)
3771	Rch	Reach	7-420 Ed2 (Draft)
3772	Rch	Reach	7-4 Ed2.1 (Draft)
3773	Rcl	Reclaim	7-420 Ed2 (Draft)
3774	Rcl	Reclaim	7-4 Ed2.1 (Draft)
3775	Rct	Reaction	7-420 Ed2 (Draft)
3776	Rct	Reaction	7-4 Ed2.1 (Draft)
3777	rcvd	received	7-3 Ed2.1 (Draft)
3778	RDGS		
3779	RDGS.ArGraMod	selects between that behaviour where gr...	7-420 Ed2 (Draft)
3780	RDGS.ArGraSag	Ar=Amperes reactive (reactive current), Gra=Gradient, Sag=Sag	7-420 Ed2 (Draft)
3781	RDGS.ArGraSwl	Ar=Amperes reactive (reactive current), Gra=Gradient, Swl=Power quality event swell	7-420 Ed2 (Draft)
3782	RDGS.BlkZnTmms	Blk=Block, blocked, Zn=Zone, Tmms=Time in ms	7-420 Ed2 (Draft)
3783	RDGS.BlkZnV	Blk=Block, blocked, Zn=Zone, V=Voltage	7-420 Ed2 (Draft)
3784	RDGS.DbVMax	Db=Deadband, V=Voltage, Max=Maximum	7-420 Ed2 (Draft)
3785	RDGS.DbVMin	Db=Deadband, V=Voltage, Min=Minimum	7-420 Ed2 (Draft)
3786	RDGS.DelV	Del=Delta, V=Voltage	7-420 Ed2 (Draft)
3787	RDGS.FilTms	Fil=Filter, filtration system, Tms=Time in s	7-420 Ed2 (Draft)
3788	RDGS.HoldTmms	Hold=Hold, Tmms=Time in ms	7-420 Ed2 (Draft)
3789	RDGS.HysBlkZnV	Hys=Hysteresis, Blk=Block, blocked, Zn=Zone, V=Voltage	7-420 Ed2 (Draft)
3790	RDGS.LoVRidthSt	Lo=Low (state or value), V=Voltage, Ridth=Ride-through, St=Status, state	7-420 Ed2 (Draft)
3791	RDGS.VAv	V=Voltage, Av=Average	7-420 Ed2 (Draft)
3792	RDIR	Directional element	7-4 Ed2
3793	RDIR.BlkValA	Blk=Block, blocked, Val=Value, A=Current	7-4 Ed2.1 (Draft)
3794	RDIR.BlkValV	Blk=Block, blocked, Val=Value, V=Voltage	7-4 Ed2.1 (Draft)
3795	RDIR.ChrAng	Chr=Characteristic, Ang=Angle	7-4 Ed2.1 (Draft)
3796	RDIR.Dir	Dir=Direction	7-4 Ed2.1 (Draft)
3797	RDIR.MaxFwdAng	Max=Maximum, Fwd=Forward, Ang=Angle	7-4 Ed2.1 (Draft)
3798	RDIR.MaxRvAng	Max=Maximum, Rv=Reverse, Ang=Angle	7-4 Ed2.1 (Draft)

3799	RDIR.MinFwdAng	Min=Minimum, Fwd=Forward, Ang=Angle	7-4 Ed2.1 (Draft)
3800	RDIR.MinPPV	Min=Minimum, PPV=Phase to phase voltage	7-4 Ed2.1 (Draft)
3801	RDIR.MinRvAng	Min=Minimum, Rv=Reverse, Ang=Angle	7-4 Ed2.1 (Draft)
3802	RDIR.PolQty	Pol=Polarizing, Qty=Quantity	7-4 Ed2.1 (Draft)
3803	RDRE	Disturbance recorder function	7-4 Ed2
3804	RDRE.ExclTmms	Excl=Exclusion, Tmms=Time in ms	7-4 Ed2.1 (Draft)
3805	RDRE.FltNum	Flt=Fault, Num=Number	7-4 Ed2.1 (Draft)
3806	RDRE.GriFltNum	Gri=Grid, Flt=Fault, Num=Number	7-4 Ed2.1 (Draft)
3807	RDRE.MaxNumRcd	Max=Maximum, Num=Number, Rcd=Record, recording	7-4 Ed2.1 (Draft)
3808	RDRE.MemClr	Mem=Memory, Clr=Clear	7-4 Ed2.1 (Draft)
3809	RDRE.MemFull	Mem=Memory, Full=Full	7-4 Ed2.1 (Draft)
3810	RDRE.MemRs	Mem=Memory, Rs=Reset, resettable	7-4 Ed2.1 (Draft)
3811	RDRE.MemUsed	Mem=Memory, Used=Used	7-4 Ed2.1 (Draft)
3812	RDRE.PerTrgTms	Per=Periodic, period, Trg=Trigger, Tms=Time in s	7-4 Ed2.1 (Draft)
3813	RDRE.RcdMade	Rcd=Record, recording, Made=Made	7-4 Ed2.1 (Draft)
3814	RDRE.RcdMod	Rcd=Record, recording, Mod=Mode	7-4 Ed2.1 (Draft)
3815	RDRE.RcdStr	Rcd=Record, recording, Str=Start	7-4 Ed2.1 (Draft)
3816	RDRE.RcdTrg	Rcd=Record, recording, Trg=Trigger	7-4 Ed2.1 (Draft)
3817	RDRE.ReTrgMod	Re=Retry, Trg=Trigger, Mod=Mode	7-4 Ed2.1 (Draft)
3818	RDRE.StoRte	Sto=Storage, e.g. activity of storing data, Rte=Rate	7-4 Ed2.1 (Draft)
3819	RDRS	Disturbance record handling	7-4 Ed2
3820	RDRS.AutoUpLod	Auto=Automatic, Up=Up, upstream, Lod=Load, loading	7-4 Ed2.1 (Draft)
3821	RDRS.DltRcd	Dlt=Delete, Rcd=Record, recording	7-4 Ed2.1 (Draft)
3822	Rdy	Ready	7-420 Ed2 (Draft)
3823	Rdy	Ready	7-4 Ed2.1 (Draft)
3824	Re	Retry	7-420 Ed2 (Draft)
3825	Re	Retry	7-4 Ed2.1 (Draft)
3826	React	Reactance, reactive	7-420 Ed2 (Draft)
3827	React	Reactance, reactive	7-4 Ed2.1 (Draft)
3828	Rec	Reclose	7-420 Ed2 (Draft)
3829	Rec	Reclose	7-4 Ed2.1 (Draft)
3830	Rec1	Reclose after single phase fault	7-420 Ed2 (Draft)
3831	Rec1	Reclose after single phase fault	7-4 Ed2.1 (Draft)
3832	Rec13	Reclose after evolving fault	7-420 Ed2 (Draft)
3833	Rec13	Reclose after evolving fault	7-4 Ed2.1 (Draft)

3834	Rec3	Reclose after three phase fault	7-420 Ed2 (Draft)
3835	Rec3	Reclose after three phase fault	7-4 Ed2.1 (Draft)
3836	Recha	Recharge, recharging	7-4 Ed2.1 (Draft)
3837	RecorderLN		
3838	RecorderLN.LevMod	Lev=Level, Mod=Mode	7-4 Ed2.1 (Draft)
3839	RecorderLN.OpCntRs	Op=Operate, operating/Trip order to circuit-breaker, Cnt=Counter, Rs=Reset, resettable	7-4 Ed2.1 (Draft)
3840	RecorderLN.PreTmms	Pre=Pre-, Tmms=Time in ms	7-4 Ed2.1 (Draft)
3841	RecorderLN.PstTmms	Pst=Post, short-term flicker severity, Tmms=Time in ms	7-4 Ed2.1 (Draft)
3842	RecorderLN.TrgMod	Trg=Trigger, Mod=Mode	7-4 Ed2.1 (Draft)
3843	Rect	Rectifier	7-420 Ed2 (Draft)
3844	Rect	Rectifier	7-4 Ed2.1 (Draft)
3845	Red	Reduction, redundant	7-420 Ed2 (Draft)
3846	Red	Reduction, redundant	7-4 Ed2.1 (Draft)
3847	Ref	Reference	7-420 Ed2 (Draft)
3848	ref	reference	7-3 Ed2.1 (Draft)
3849	Ref	Reference	7-4 Ed2.1 (Draft)
3850	Reg	Regulation	7-420 Ed2 (Draft)
3851	Reg	Regulation	7-4 Ed2.1 (Draft)
3852	Rel	Release	7-420 Ed2 (Draft)
3853	Rel	Release	7-4 Ed2.1 (Draft)
3854	Req	Requested	7-4 Ed2.1 (Draft)
3855	Res	Residual	7-420 Ed2 (Draft)
3856	res	residual	7-3 Ed2.1 (Draft)
3857	Res	Residual	7-4 Ed2.1 (Draft)
3858	Reso	Resonance	7-420 Ed2 (Draft)
3859	Reso	Resonance	7-4 Ed2.1 (Draft)
3860	Rev	Revision	7-420 Ed2 (Draft)
3861	rev	revision	7-3 Ed2.1 (Draft)
3862	Rev	Revision	7-4 Ed2.1 (Draft)
3863	Rf	Refreshment	7-420 Ed2 (Draft)
3864	Rf	Refreshment	7-4 Ed2.1 (Draft)
3865	RFBC		
3866	RFBC.FbcTyp	Fbc=Field breaker configuration, Typ=Type	7-410 Ed2 (Draft)
3867	RFC	Request for Comments	8-1 Ed2

3868	RFC	Request for Comments	
3869	RFLO	Fault locator	7-4 Ed2
3870	RFLO.FltDiskm	Flt=Fault, Dis=Distance, km=Kilometre	7-4 Ed2.1 (Draft)
3871	RFLO.FltLoop	Flt=Fault, Loop=Loop	7-4 Ed2.1 (Draft)
3872	RFLO.FltZ	Flt=Fault, Z=Impedance	7-4 Ed2.1 (Draft)
3873	RFLO.OpCntRs	Op=Operate, operating/Trip order to circuit-breaker, Cnt=Counter, Rs=Reset, resettable	7-4 Ed2.1 (Draft)
3874	R-GOOSE	Routable GOOSE via UDP	90-5 Ed1
3875	Ridth	Ride-through	7-420 Ed2 (Draft)
3876	Ridth	Ride-through	7-4 Ed2.1 (Draft)
3877	Ris	Resistance	7-420 Ed2 (Draft)
3878	Ris	Resistance	7-4 Ed2.1 (Draft)
3879	Rl	Relation, relative	7-420 Ed2 (Draft)
3880	Rl	Relation, relative	7-4 Ed2.1 (Draft)
3881	Rm	Mutual resistance	7-420 Ed2 (Draft)
3882	Rm	Mutual resistance	7-4 Ed2.1 (Draft)
3883	Rmp	Ramping, ramp	7-420 Ed2 (Draft)
3884	Rmp	Ramping, ramp	7-4 Ed2.1 (Draft)
3885	Rms	Root mean square	7-420 Ed2 (Draft)
3886	rms	rms	7-3 Ed2.1 (Draft)
3887	RMS	root mean square	7-4 Ed2.1 (Draft)
3888	Rms	Root mean square	7-4 Ed2.1 (Draft)
3889	R-MSVCB	Routable Multicast Sampled Value Control Block	90-5 Ed1
3890	RMXU	Differential measurements	7-4 Ed2
3891	RMXU.ALoc	A=Current, Loc=Local	7-4 Ed2.1 (Draft)
3892	RMXU.AmpLocPhsA	Amp=Ampere, current non-phase-related AC, Loc=Local, PhsA=Phase L1	7-4 Ed2.1 (Draft)
3893	RMXU.AmpLocPhsB	Amp=Ampere, current non-phase-related AC, Loc=Local, PhsB=Phase L2	7-4 Ed2.1 (Draft)
3894	RMXU.AmpLocPhsC	Amp=Ampere, current non-phase-related AC, Loc=Local, PhsC=Phase L3	7-4 Ed2.1 (Draft)
3895	RMXU.AmpLocRes	Amp=Ampere, current non-phase-related AC, Loc=Local, Res=Residual	7-4 Ed2.1 (Draft)
3896	Rn	Rain	7-420 Ed2 (Draft)
3897	Rn	Rain	7-4 Ed2.1 (Draft)
3898	Rnbk	Runback	7-420 Ed2 (Draft)

3899	Rnbk	Runback	7-4 Ed2.1 (Draft)
3900	Rng	Range	7-420 Ed2 (Draft)
3901	Rng	Range	7-4 Ed2.1 (Draft)
3902	Rod	Rod	7-4 Ed2.1 (Draft)
3903	Root	Root	7-420 Ed2 (Draft)
3904	Root	Root	7-4 Ed2.1 (Draft)
3905	Rot	Rotation, rotor	7-420 Ed2 (Draft)
3906	Rot	Rotation, rotor	7-4 Ed2.1 (Draft)
3907	Rp	Report	7-420 Ed2 (Draft)
3908	Rp	Report	7-4 Ed2.1 (Draft)
3909	RPSB	LN: Power swing detection/blocking (Pendelsperre)	IEC 61850-7-4
3910	RPSB	Power swing detection/blocking	7-4 Ed2
3911	RPSB.BlkZn	Blk=Block, blocked, Zn=Zone	7-4 Ed2.1 (Draft)
3912	RPSB.EvTmms	Ev=Evaluation, Tmms=Time in ms	7-4 Ed2.1 (Draft)
3913	RPSB.MaxEna	Max=Maximum, Ena=Enabled, enable, allow operation	7-4 Ed2.1 (Draft)
3914	RPSB.MaxNumSlp	Max=Maximum, Num=Number, Slp=Sleep	7-4 Ed2.1 (Draft)
3915	RPSB.NgEna	Ng=Negative, Ena=Enabled, enable, allow operation	7-4 Ed2.1 (Draft)
3916	RPSB.Op	Op=Operate, operating/Trip order to circuit-breaker	7-4 Ed2.1 (Draft)
3917	RPSB.OpCntRs	Op=Operate, operating/Trip order to circuit-breaker, Cnt=Counter, Rs=Reset, resettable	7-4 Ed2.1 (Draft)
3918	RPSB.Str	Str=Start	7-4 Ed2.1 (Draft)
3919	RPSB.SwgReact	Swg=Swing, React=Reactance, reactive	7-4 Ed2.1 (Draft)
3920	RPSB.SwgRis	Swg=Swing, Ris=Resistance	7-4 Ed2.1 (Draft)
3921	RPSB.SwgTmms	Swg=Swing, Tmms=Time in ms	7-4 Ed2.1 (Draft)
3922	RPSB.SwgVal	Swg=Swing, Val=Value	7-4 Ed2.1 (Draft)
3923	RPSB.UnBlkTmms	Un=Under, Blk=Block, blocked, Tmms=Time in ms	7-4 Ed2.1 (Draft)
3924	RPSB.ZeroEna	Zero=(use 'Zer' instead) Zero, Ena=Enabled, enable, allow operation	7-4 Ed2.1 (Draft)
3925	Rpt	Repeat, repetition	7-4 Ed2.1 (Draft)
3926	RptEna	Report Enable of Report Control Block	IEC 61850-7-3
3927	RREC	LN: Autoreclosing (Wiedereinschaltautomatik (AWE))	7-4 Ed2
3928	RREC.AutoRecSt	Auto=Automatic, Rec=Reclose, St=Status, state	7-4 Ed2.1 (Draft)
3929	RREC.CycTrMod	Cyc=Cycle, Tr=Trip, Mod=Mode	7-4 Ed2.1 (Draft)
3930	RREC.MaxCyc	Max=Maximum, Cyc=Cycle	7-4 Ed2.1 (Draft)
3931	RREC.MaxTmms	Max=Maximum, Tmms=Time in ms	7-4 Ed2.1 (Draft)

3932	RREC.OpCls	Op=Operate, operating/Trip order to circuit-breaker, Cls=Close, closed	7-4 Ed2.1 (Draft)
3933	RREC.RclTmms	Rcl=Reclaim, Tmms=Time in ms	7-4 Ed2.1 (Draft)
3934	RREC.RdyTmms	Rdy=Ready, Tmms=Time in ms	7-4 Ed2.1 (Draft)
3935	RREC.Rec13Tmms	Rec13=Reclose after evolving fault, Tmms=Time in ms	7-4 Ed2.1 (Draft)
3936	RREC.Rec1Tmms	Rec1=Reclose after single phase fault, Tmms=Time in ms	7-4 Ed2.1 (Draft)
3937	RREC.Rec3Tmms	Rec3=Reclose after three phase fault, Tmms=Time in ms	7-4 Ed2.1 (Draft)
3938	RREC.RecCyc	Rec=Reclose, Cyc=Cycle	7-4 Ed2.1 (Draft)
3939	RREC.TrBeh	Tr=Trip, Beh=Behaviour	7-4 Ed2.1 (Draft)
3940	RREC.UseCyc	Use=Use, Cyc=Cycle	7-4 Ed2.1 (Draft)
3941	Rs	Reset, resettable	7-420 Ed2 (Draft)
3942	rs	reset	7-3 Ed2.1 (Draft)
3943	Rs	Reset, resettable	7-4 Ed2.1 (Draft)
3944	Rsl	Result	7-420 Ed2 (Draft)
3945	Rsl	Result	7-4 Ed2.1 (Draft)
3946	Rst	Restraint, restriction	7-420 Ed2 (Draft)
3947	Rst	Restraint, restriction	7-4 Ed2.1 (Draft)
3948	RSTP	IEEE 802.1D	90-4 Ed1 (Draft)
3949	Rsv	Reserve	7-420 Ed2 (Draft)
3950	Rsv	Reserve	7-4 Ed2.1 (Draft)
3951	R-SV	Routable Sampled Value service via UDP	90-5 Ed1
3952	RSYN	Synchronism-check	7-4 Ed2
3953	RSYN	synchronising or synchro-check device	7-410 Ed1
3954	RSYN.AngInd	Ang=Angle, Ind=Indication	7-4 Ed2.1 (Draft)
3955	RSYN.DeaBusVal	Dea=Dead, Bus=Bus, Val=Value	7-4 Ed2.1 (Draft)
3956	RSYN.DeaLinVal	Dea=Dead, Lin=Line, Val=Value	7-4 Ed2.1 (Draft)
3957	RSYN.DifAng	Dif=Differential, difference, Ang=Angle	7-4 Ed2.1 (Draft)
3958	RSYN.DifAngClc	Dif=Differential, difference, Ang=Angle, Clc=Calculate, calculated	7-4 Ed2.1 (Draft)
3959	RSYN.DifHz	Dif=Differential, difference, Hz=Frequency	7-4 Ed2.1 (Draft)
3960	RSYN.DifHzClc	Dif=Differential, difference, Hz=Frequency, Clc=Calculate, calculated	7-4 Ed2.1 (Draft)
3961	RSYN.DifV	Dif=Differential, difference, V=Voltage	7-4 Ed2.1 (Draft)
3962	RSYN.DifVClc	Dif=Differential, difference, V=Voltage, Clc=Calculate, calculated	7-4 Ed2.1 (Draft)
3963	RSYN.HzInd	Hz=Frequency, Ind=Indication	7-4 Ed2.1 (Draft)
3964	RSYN.LivBusVal	Liv=Live, Bus=Bus, Val=Value	7-4 Ed2.1 (Draft)
3965	RSYN.LivDeaMod	Liv=Live, Dea=Dead, Mod=Mode	7-4 Ed2.1 (Draft)

3966	RSYN.LivLinVal	Liv=Live, Lin=Line, Val=Value	7-4 Ed2.1 (Draft)
3967	RSYN.Rel	Rel=Release	7-4 Ed2.1 (Draft)
3968	RSYN.SynPrg	Syn=Synchronisation, synchronous, synchronism, Prg=Progress, in progress	7-4 Ed2.1 (Draft)
3969	RSYN.TotTmms	Tot=Total, Tmms=Time in ms	7-4 Ed2.1 (Draft)
3970	RSYN.VInd	V=Voltage, Ind=Indication	7-4 Ed2.1 (Draft)
3971	Rte	Rate	7-420 Ed2 (Draft)
3972	Rte	Rate	7-4 Ed2.1 (Draft)
3973	Rtg	Rating	7-420 Ed2 (Draft)
3974	Rtg	Rating	7-4 Ed2.1 (Draft)
3975	RTU	Remote Terminal Unit (Fernwirkgerät)	
3976	Rv	Reverse	7-420 Ed2 (Draft)
3977	Rv	Reverse	7-4 Ed2.1 (Draft)
3978	Rvrt	Revert	7-420 Ed2 (Draft)
3979	Rvrt	Revert	7-4 Ed2.1 (Draft)
3980	rw	Mandates that the item is both readable and writeable.	8-1 Ed2
3981	Rwy	Runaway, e.g. in runaway speed	7-4 Ed2.1 (Draft)
3982	Rx	Receive, received	7-420 Ed2 (Draft)
3983	Rx	Receive, received	7-4 Ed2.1 (Draft)
3984	S	Server specified parameter	8-1 Ed2
3985	S10	Coefficient S1.0	7-420 Ed2 (Draft)
3986	S10	Coefficient S1.0	7-4 Ed2.1 (Draft)
3987	S12	Coefficient S1.2	7-420 Ed2 (Draft)
3988	S12	Coefficient S1.2	7-4 Ed2.1 (Draft)
3989	SA	Substation Automation	90-5 Ed1
3990	Saf	Safety	7-4 Ed2.1 (Draft)
3991	Sag	Sag	7-420 Ed2 (Draft)
3992	Sag	Sag	7-4 Ed2.1 (Draft)
3993	SAMU	IEC 61869-9	90-4 Ed1 (Draft)
3994	SAN	IEC 62439-1:2012	90-4 Ed1 (Draft)
3995	SAP	Service Access Point. The Service Access Point represents a logical construct through which a peer selects a communication protocol or access to an applications. The selection of the entire seven layers of SAPs represents a communication profile	8-1 Ed2

3996	SAP	Service Access Point. The Service Access Point represents a logical construct through which a peer selects a communication protocol or access to an applications. The selection of the entire seven layers of SAPs represents a communication profile	
3997	Sar	Surge arrestor	7-420 Ed2 (Draft)
3998	Sar	Surge arrestor	7-4 Ed2.1 (Draft)
3999	SARC	Monitoring and diagnostics for arcs	7-4 Ed2
4000	SARC.ArcCntRs	Arc=Arc, Cnt=Counter, Rs=Reset, resettable	7-4 Ed2.1 (Draft)
4001	SARC.FACntRs	FA=Fault arc, Cnt=Counter, Rs=Reset, resettable	7-4 Ed2.1 (Draft)
4002	SARC.FADet	FA=Fault arc, Det=Detected	7-4 Ed2.1 (Draft)
4003	SARC.SwArcDet	Sw=Switch, switched, Arc=Arc, Det=Detected	7-4 Ed2.1 (Draft)
4004	SAS	Substation automation system	IEC 61850-7-1 Ed2
4005	SAS	Substation Automation System	5 Ed2 (Draft)
4006	Sat	Saturation	7-420 Ed2 (Draft)
4007	Sat	Saturation	7-4 Ed2.1 (Draft)
4008	SAV	Sampled value	IEC 61850-7-3 Ed2
4009	SBO	Select Before Operate (Anwahl vor Ausführung)	
4010	SBO	select before operate	IEC 61850-7-2 Ed2
4011	sbo	select before operate	7-3 Ed2.1 (Draft)
4012	SBO	Select Before Operate	8-1 Ed2
4013	Sc	Short circuit	7-4 Ed2.1 (Draft)
4014	SCADA	Supervisory Control And Data Acquisition (Bedienen und Beobachten)	
4015	SCADA	Supervisory Control And Data Acquisition	90-4 Ed1 (Draft)
4016	scale	scale	7-3 Ed2.1 (Draft)
4017	Scale	Scale	7-4 Ed2.1 (Draft)
4018	SCBR	Circuit breaker supervision	7-4 Ed2
4019	SCBR.AbrAlm	Abr=Abrasion, Alm=Alarm	7-4 Ed2.1 (Draft)
4020	SCBR.AbrAlmLev	Abr=Abrasion, Alm=Alarm, Lev=Level	7-4 Ed2.1 (Draft)
4021	SCBR.AbrWrn	Abr=Abrasion, Wrn=Warning	7-4 Ed2.1 (Draft)
4022	SCBR.AbrWrnLev	Abr=Abrasion, Wrn=Warning, Lev=Level	7-4 Ed2.1 (Draft)
4023	SCBR.ActAbr	Act=Action, activity, active, activate, Abr=Abrasion	7-4 Ed2.1 (Draft)
4024	SCBR.ColAlm	Col=Coil, Alm=Alarm	7-4 Ed2.1 (Draft)
4025	SCBR.ColOpn	Col=Coil, Opn=Open, opened	7-4 Ed2.1 (Draft)
4026	SCBR.SwA	Sw=Switch, switched, A=Current	7-4 Ed2.1 (Draft)

4027	SCD	System Configuration Description in the sense of 61850-6. Output of a system tool of a project to configure the IEDs belonging to the project (imported by IED tools).	90-5 Ed1
4028	SCD	IEC 61850-6	90-4 Ed1 (Draft)
4029	Schd	Schedule	7-420 Ed2 (Draft)
4030	Schd	Schedule	7-4 Ed2.1 (Draft)
4031	SCL	System Configuration description Language (Sprache für die Konfiguration von Geräten und System)	IEC 61850-6
4032	SCL	System Configuration description Language	IEC 61850-6 Ed2
4033	SCL	substation configuration language (IEC 61850-6)	IEC 61850-7-2 Ed2
4034	SCL	System Configuration description Language	6 Ed2
4035	SCL	substation automation System Configuration Language (IEC 61850-6)	8-1 Ed2
4036	SCL	Substation Configuration description Language according to IEC 61850	90-5 Ed1
4037	SCL	IEC 61850-6	90-4 Ed1 (Draft)
4038	Sco	Supply change over	7-420 Ed2 (Draft)
4039	Sco	Supply change over	7-4 Ed2.1 (Draft)
4040	SCSM	Specific Communication Service Mapping (spezifische Abbildung von Kommunikationsdiensten)	IEC 61850-8-1
4041	SCSM	Specific communication service mapping	IEC 61850-7-1 Ed2
4042	SCSM	specific communication service mapping (defined in IEC 61850-8-x and IEC 61850-9-x)	IEC 61850-7-2 Ed2
4043	SCSM	specific communication service mapping	7-4 Ed2.1 (Draft)
4044	SCSM	Specific Communication Service Mapping	8-1 Ed2
4045	SDH	Synchronous Digital Hierarchy	90-5 Ed1
4046	SDI	Instantiated Sub-DATA; middle name part of a structured DATA name	IEC 61850-6 Ed2
4047	SDI	Instantiated Sub-DATA; middle name part of a structured DATA name	6 Ed2
4048	SDO	Sub-DATA within a DOType, referencing another DOType	IEC 61850-6 Ed2
4049	SDO	Sub-DATA within a DOType, referencing another DOType	6 Ed2
4050	SE	setting group editable	7-3 Ed2.1 (Draft)
4051	SEC	Security violation counting	IEC 61850-7-3 Ed2
4052	Sec	Security	7-420 Ed2 (Draft)
4053	Sec	Security	7-4 Ed2.1 (Draft)
4054	second	second	7-3 Ed2.1 (Draft)
4055	SED	System Exchange Description	IEC 61850-6 Ed2
4056	SED	System Exchange Description	6 Ed2

4057	SED	System Exchange Description: an SCL file containing a part of a system for exchange of interfacing and responsibility data between projects	90-5 Ed1
4058	Sel	Select	7-420 Ed2 (Draft)
4059	Sel	Select	7-4 Ed2.1 (Draft)
4060	seld	selected	7-3 Ed2.1 (Draft)
4061	Self	Self	7-420 Ed2 (Draft)
4062	Self	Self	7-4 Ed2.1 (Draft)
4063	SensorLN		
4064	SensorLN.SmpRte	Smp=Sampling, Rte=Rate	7-4 Ed2.1 (Draft)
4065	SEQ	Sequence	IEC 61850-7-3 Ed2
4066	Seq	Sequence	7-420 Ed2 (Draft)
4067	seq	sequence	7-3 Ed2.1 (Draft)
4068	Seq	Sequence	7-4 Ed2.1 (Draft)
4069	SEQ	Sequence	90-5 Ed1
4070	Ser	Series, serial	7-420 Ed2 (Draft)
4071	ser	serial	7-3 Ed2.1 (Draft)
4072	Ser	Series, serial	7-4 Ed2.1 (Draft)
4073	Server	Gerät, das einen Dienst-Auftrag empfängt und ausführt; Gerät, in dem die Logischen Geräte, Logischen Knoten, Datenobjekte und so weiter realisiert sind.	
4074	Server-CR	Specific Communication Service Mapping Server Conformance Requirement	8-1 Ed2
4075	Set	Setting	7-420 Ed2 (Draft)
4076	set	set	7-3 Ed2.1 (Draft)
4077	Set	Setting	7-4 Ed2.1 (Draft)
4078	sev	severity	7-3 Ed2.1 (Draft)
4079	SFLW		
4080	SFLW.Flw	Flw=Flow, flowing	7-410 Ed2 (Draft)
4081	SG	setting group	
4082	SG	setting group	7-3 Ed2.1 (Draft)
4083	SG	Setting Group	8-1 Ed2
4084	SGCB	setting group control block	IEC 61850-7-2 Ed2
4085	Sgcb	Setting group control block	7-420 Ed2 (Draft)
4086	Sgcb	Setting group control block	7-4 Ed2.1 (Draft)
4087	SGIP	NIST Smart Grid Interoperability Panel	

4088	Sh	Shunt	7-420 Ed2 (Draft)
4089	Sh	Shunt	7-4 Ed2.1 (Draft)
4090	Shar	Shared	7-420 Ed2 (Draft)
4091	Shar	Shared	7-4 Ed2.1 (Draft)
4092	Shft	Shaft	7-420 Ed2 (Draft)
4093	Shft	Shaft	7-4 Ed2.1 (Draft)
4094	SI	System international	7-3 Ed2.1 (Draft)
4095	SI	Session Identifier. This identifier is used to identify the session protocol that is in use.	90-5 Ed1
4096	Sig	Signal	7-420 Ed2 (Draft)
4097	Sig	Signal	7-4 Ed2.1 (Draft)
4098	Sign	Sign	7-420 Ed2 (Draft)
4099	Sign	Sign	7-4 Ed2.1 (Draft)
4100	Sim	Simulation, simulated	7-420 Ed2 (Draft)
4101	Sim	Simulation, simulated	7-4 Ed2.1 (Draft)
4102	SIMG	Insulation medium supervision (gas)	7-4 Ed2
4103	SIMG.Den	Den=Density	7-4 Ed2.1 (Draft)
4104	SIMG.DenAlm	Den=Density, Alm=Alarm	7-4 Ed2.1 (Draft)
4105	SIMG.InsBlkTmh	Ins=Insulation, Blk=Block, blocked, Tmh=Time in h	7-4 Ed2.1 (Draft)
4106	SIMG.PresAlm	Pres=Pressure, Alm=Alarm	7-4 Ed2.1 (Draft)
4107	SIMG.TmpAlm	Tmp=Temperature (°C), Alm=Alarm	7-4 Ed2.1 (Draft)
4108	SIML	Insulation medium supervision (liquid)	7-4 Ed2
4109	SIML.C2H2ppm	C2H2=Acetylene, ppm=Parts per million	7-4 Ed2.1 (Draft)
4110	SIML.C2H4ppm	C2H4=Ethylene, ppm=Parts per million	7-4 Ed2.1 (Draft)
4111	SIML.C2H6ppm	C2H6=Ethane, ppm=Parts per million	7-4 Ed2.1 (Draft)
4112	SIML.CH4ppm	CH4=Methane, ppm=Parts per million	7-4 Ed2.1 (Draft)
4113	SIML.CmbuGas	Cmbu=Combustible, combustion, Gas=Gas	7-4 Ed2.1 (Draft)
4114	SIML.CO2ppm	CO2=Carbon dioxide, ppm=Parts per million	7-4 Ed2.1 (Draft)
4115	SIML.COppm	CO=Carbon monoxide, ppm=Parts per million	7-4 Ed2.1 (Draft)
4116	SIML.FltGas	Flt=Fault, Gas=Gas	7-4 Ed2.1 (Draft)
4117	SIML.GasFlwTr	Gas=Gas, Flw=Flow, flowing, Tr=Trip	7-4 Ed2.1 (Draft)
4118	SIML.GasInsAlm	Gas=Gas, Ins=Insulation, Alm=Alarm	7-4 Ed2.1 (Draft)
4119	SIML.GasInsTr	Gas=Gas, Ins=Insulation, Tr=Trip	7-4 Ed2.1 (Draft)
4120	SIML.H2Alm	H2=Hydrogen, Alm=Alarm	7-4 Ed2.1 (Draft)
4121	SIML.H2O	H2O=Water	7-4 Ed2.1 (Draft)

4122	SIML.H2OAir	H2O=Water, Air=Air	7-4 Ed2.1 (Draft)
4123	SIML.H2OPap	H2O=Water, Pap=Paper	7-4 Ed2.1 (Draft)
4124	SIML.H2OTmp	H2O=Water, Tmp=Temperature (°C)	7-4 Ed2.1 (Draft)
4125	SIML.H2ppm	H2=Hydrogen, ppm=Parts per million	7-4 Ed2.1 (Draft)
4126	SIML.H2Wrn	H2=Hydrogen, Wrn=Warning	7-4 Ed2.1 (Draft)
4127	SIML.Lev	Lev=Level	7-4 Ed2.1 (Draft)
4128	SIML.MstAlm	Mst=Moisture, Alm=Alarm	7-4 Ed2.1 (Draft)
4129	SIML.MstWrn	Mst=Moisture, Wrn=Warning	7-4 Ed2.1 (Draft)
4130	SIML.N2ppm	N2=Nitrogen, ppm=Parts per million	7-4 Ed2.1 (Draft)
4131	SIML.O2ppm	O2=Oxygen, ppm=Parts per million	7-4 Ed2.1 (Draft)
4132	SIML.TmpAlm	Tmp=Temperature (°C), Alm=Alarm	7-4 Ed2.1 (Draft)
4133	Sink	Sink	7-420 Ed2 (Draft)
4134	Sink	Sink	7-4 Ed2.1 (Draft)
4135	SIPS	System Integrity Protection Scheme	90-5 Ed1
4136	size	size	7-3 Ed2.1 (Draft)
4137	Sld	Solidity	7-4 Ed2.1 (Draft)
4138	SLD	Single Line Diagram	90-4 Ed1 (Draft)
4139	Slnt	Salinity, saline content	7-420 Ed2 (Draft)
4140	Slnt	Salinity, saline content	7-4 Ed2.1 (Draft)
4141	Slp	Sleep	7-420 Ed2 (Draft)
4142	Slp	Sleep	7-4 Ed2.1 (Draft)
4143	SLTC	Tap changer Supervision	7-4 Ed2
4144	SLTC.AbrPrt	Abr=Abrasion, Prt=Parts, part	7-4 Ed2.1 (Draft)
4145	SLTC.MotDrvA	Mot=Motor, Drv=Drive, A=Current	7-4 Ed2.1 (Draft)
4146	SLTC.MotDrvBlk	Mot=Motor, Drv=Drive, Blk=Block, blocked	7-4 Ed2.1 (Draft)
4147	SLTC.OilFil	Oil=Oil, Fil=Filter, filtration system	7-4 Ed2.1 (Draft)
4148	SLTC.OilFilTr	Oil=Oil, Fil=Filter, filtration system, Tr=Trip	7-4 Ed2.1 (Draft)
4149	SLTC.Torq	Torq=Torque	7-4 Ed2.1 (Draft)
4150	SLTC.VacCelAlm	Vac=Vacuum, Cel=Cell, Alm=Alarm	7-4 Ed2.1 (Draft)
4151	SLVL		
4152	SLVL.LevPct	Lev=Level, Pct=Percent, percentage	7-410 Ed2 (Draft)
4153	SM	Servo, servo-motor	7-4 Ed2.1 (Draft)
4154	Smok	Smoke	7-420 Ed2 (Draft)
4155	Smok	Smoke	7-4 Ed2.1 (Draft)
4156	Smp	Sampling	7-420 Ed2 (Draft)

4157	smp	sample	7-3 Ed2.1 (Draft)
4158	Smp	Sampling	7-4 Ed2.1 (Draft)
4159	SMV	Sample values	IEC 61850-7-1 Ed2
4160	SMV, SV	Sampled (Measured) Values	IEC 61850-7-2 IEC 61850-9
4161	Snd	Sound pressure	7-420 Ed2 (Draft)
4162	Snd	Sound pressure	7-4 Ed2.1 (Draft)
4163	SNL	Speed-no-load, connected but not generating	7-4 Ed2.1 (Draft)
4164	SNMP	RFC 3411, RFC 3416	90-4 Ed1 (Draft)
4165	Snpt	Snapshot	7-420 Ed2 (Draft)
4166	Snpt	Snapshot	7-4 Ed2.1 (Draft)
4167	Snr	Signal to noise ratio	7-420 Ed2 (Draft)
4168	Snr	Signal to noise ratio	7-4 Ed2.1 (Draft)
4169	SNTP	Simple Network Time Protocol	8-1 Ed2
4170	SNTP	Simple Network Time Protocol	8-1 Ed2
4171	SNTP	RFC 1361, RFC 2030, RFC 4330	90-4 Ed1 (Draft)
4172	SNTP	Simple Network Time Protocol	
4173	Snw	Snow	7-420 Ed2 (Draft)
4174	Snw	Snow	7-4 Ed2.1 (Draft)
4175	Soc	State of charge	7-420 Ed2 (Draft)
4176	Soc	State of charge	7-4 Ed2.1 (Draft)
4177	SoE	Sequence of Events (Sequenz von Ereignissen)	IEC 61850-7-1 Ed2
4178	SoE	Sequence of events	IEC 61850-7-2 Ed2
4179	SomethingTurbineLN		
4180	SomethingTurbineLN.DevAlmSpt	Dev=Device/Deviation, Alm=Alarm, Spt=Setpoint	7-410 Ed2 (Draft)
4181	SomethingTurbineLN.DevWrnSpt	Dev=Device/Deviation, Wrn=Warning, Spt=Setpoint	7-410 Ed2 (Draft)
4182	SomethingTurbineLN.DvAlm	Dv=Deviation, Alm=Alarm	7-410 Ed2 (Draft)
4183	SomethingTurbineLN.DvWrn	Dv=Deviation, Wrn=Warning	7-410 Ed2 (Draft)
4184	SomethingTurbineLN.OpCntRs	Op=Operate, operating/Trip order to circuit-breaker, Cnt=Counter, Rs=Reset, resettable	7-410 Ed2 (Draft)
4185	SomethingTurbineLN.PosCls	PosC=Position phase L3, ls=?	7-410 Ed2 (Draft)
4186	SomethingTurbineLN.PosDeg	Pos=Position, Deg=Degrees	7-410 Ed2 (Draft)
4187	SomethingTurbineLN.PosOpn	Pos=Position, Opn=Open, opened	7-410 Ed2 (Draft)
4188	SomethingTurbineLN.PosPct	Pos=Position, Pct=Percent, percentage	7-410 Ed2 (Draft)
4189	SomethingTurbineLN.PosSNL	Pos=Position, SNL=Speed-no-load, connected but not generating	7-410 Ed2 (Draft)

4190	SomethingTurbineLN.PosSNLSpt	Pos=Position, SNL=Speed-no-load, connected but not generating, Spt=Setpoint	7-410 Ed2 (Draft)
4191	SONET	Synchronous Optical NETwork	90-5 Ed1
4192	SOPM	Supervision of Operating Mechanism	7-4 Ed2
4193	SOPM.ChaIntvTms	Cha=Charger, Intv=Interval, Tms=Time in s	7-4 Ed2.1 (Draft)
4194	SOPM.En	En=Energy	7-4 Ed2.1 (Draft)
4195	SOPM.EnAlm	En=Energy, Alm=Alarm	7-4 Ed2.1 (Draft)
4196	SOPM.EnBlk	En=Energy, Blk=Block, blocked	7-4 Ed2.1 (Draft)
4197	SOPM.HeatAlm	Heat=Heater, heating, heat (see also Ht), Alm=Alarm	7-4 Ed2.1 (Draft)
4198	SOPM.HyAlm	Hy=Hydraulic, hydraulic system, Alm=Alarm	7-4 Ed2.1 (Draft)
4199	SOPM.HyBlk	Hy=Hydraulic, hydraulic system, Blk=Block, blocked	7-4 Ed2.1 (Draft)
4200	SOPM.HyPres	Hy=Hydraulic, hydraulic system, Pres=Pressure	7-4 Ed2.1 (Draft)
4201	SOPM.HyTmp	Hy=Hydraulic, hydraulic system, Tmp=Temperature (°C)	7-4 Ed2.1 (Draft)
4202	SOPM.MotA	Mot=Motor, A=Current	7-4 Ed2.1 (Draft)
4203	SOPM.MotAlm	Mot=Motor, Alm=Alarm	7-4 Ed2.1 (Draft)
4204	SOPM.MotAlmNum	Mot=Motor, Alm=Alarm, Num=Number	7-4 Ed2.1 (Draft)
4205	SOPM.MotAlmTms	Mot=Motor, Alm=Alarm, Tms=Time in s	7-4 Ed2.1 (Draft)
4206	SOPM.MotOp	Mot=Motor, Op=Operate, operating/Trip order to circuit-breaker	7-4 Ed2.1 (Draft)
4207	SOPM.MotStrAlm	Mot=Motor, Str=Start, Alm=Alarm	7-4 Ed2.1 (Draft)
4208	SOPM.MotStrNum	Mot=Motor, Str=Start, Num=Number	7-4 Ed2.1 (Draft)
4209	SOPM.MotStrTms	Mot=Motor, Str=Start, Tms=Time in s	7-4 Ed2.1 (Draft)
4210	SOPM.MotTm	Mot=Motor, Tm=Time	7-4 Ed2.1 (Draft)
4211	SOPM.Tmp	Tmp=Temperature (°C)	7-4 Ed2.1 (Draft)
4212	SOx	Sulphur oxide	7-420 Ed2 (Draft)
4213	SOx	Sulphur oxide	7-4 Ed2.1 (Draft)
4214	SP	setting	7-3 Ed2.1 (Draft)
4215	SP	Synchrophasor	90-5 Ed1
4216	SPC	Controllable single point	IEC 61850-7-3 Ed2
4217	Spc	Single point control	7-420 Ed2 (Draft)
4218	Spc	Single point control	7-4 Ed2.1 (Draft)
4219	Spcf	Specific	7-4 Ed2.1 (Draft)
4220	SPCSO	Single point controllable status output	7-420 Ed2 (Draft)
4221	SPCSO	Single point controllable status output	7-4 Ed2.1 (Draft)
4222	Spd	Speed	7-420 Ed2 (Draft)
4223	Spd	Speed	7-4 Ed2.1 (Draft)

4224	SPDC	Monitoring and diagnostics for partial discharges	7-4 Ed2
4225	SPDC.AcuPaDsch	Acu=Acoustic, Pa=Partial, Dsch=Discharge	7-4 Ed2.1 (Draft)
4226	SPDC.AppPaDsch	App=Apparent, Pa=Partial, Dsch=Discharge	7-4 Ed2.1 (Draft)
4227	SPDC.BndWid	Bnd=Band, bandwidth, Wid=Width	7-4 Ed2.1 (Draft)
4228	SPDC.CtrHz	Ctr=Center, Hz=Frequency	7-4 Ed2.1 (Draft)
4229	SPDC.NQS	NQS=Average partial discharge current	7-4 Ed2.1 (Draft)
4230	SPDC.OpCnt	Op=Operate, operating/Trip order to circuit-breaker, Cnt=Counter	7-4 Ed2.1 (Draft)
4231	SPDC.PaDschAlm	Pa=Partial, Dsch=Discharge, Alm=Alarm	7-4 Ed2.1 (Draft)
4232	SPDC.UhfPaDsch	Uhf=Ultra-high-frequency, Pa=Partial, Dsch=Discharge	7-4 Ed2.1 (Draft)
4233	SPDU	Session Protocol Data Unit	90-5 Ed1
4234	Spec	Spectra	7-420 Ed2 (Draft)
4235	Spec	Spectra	7-4 Ed2.1 (Draft)
4236	SPG	Single point setting	IEC 61850-7-3 Ed2
4237	SPI	Single pole	7-420 Ed2 (Draft)
4238	SPI	Single pole	7-4 Ed2.1 (Draft)
4239	Spir	Spiral	7-4 Ed2.1 (Draft)
4240	SPOS		
4241	SPOS.GrdDirNg	Grd=Guard/Gradient, Dir=Direction, Ng=Negative	7-410 Ed2 (Draft)
4242	SPOS.GrdDirPs	Grd=Guard/Gradient, Dir=Direction, Ps=Positive	7-410 Ed2 (Draft)
4243	SPOS.PosPc	Pos=Position, Pc=Percent	7-410 Ed2 (Draft)
4244	SPRS.Pres	Pres=Pressure	7-410 Ed2 (Draft)
4245	SPS	Single Point Status Common Data Class	IEC 61850-7-3
4246	SPS	Single point status	IEC 61850-7-3 Ed2
4247	SPS	Special Protection Scheme	90-5 Ed1
4248	Spt	Setpoint	7-420 Ed2 (Draft)
4249	Spt	Setpoint	7-4 Ed2.1 (Draft)
4250	SPTR	Power Transformer Supervision	7-4 Ed2
4251	SPTR.AgeRte	Age=Ageing, Rte=Rate	7-4 Ed2.1 (Draft)
4252	SPTR.BotTmp	Bot=Bottom, Tmp=Temperature (°C)	7-4 Ed2.1 (Draft)
4253	SPTR.CGAlm	CG=Core ground, Alm=Alarm	7-4 Ed2.1 (Draft)
4254	SPTR.CoreTmp	Core=Core, Tmp=Temperature (°C)	7-4 Ed2.1 (Draft)
4255	SPTR.HeatAlm	Heat=Heater, heating, heat (see also Ht), Alm=Alarm	7-4 Ed2.1 (Draft)
4256	SPTR.HPTmpAlm	HP=Hot point, Tmp=Temperature (°C), Alm=Alarm	7-4 Ed2.1 (Draft)
4257	SPTR.HPTmpClc	HP=Hot point, Tmp=Temperature (°C), Clc=Calculate, calculated	7-4 Ed2.1 (Draft)

4258	SPTR.HPTmpOp	HP=Hot point, Tmp=Temperature (°C), Op=Operate, operating/Trip order to circuit-breaker	7-4 Ed2.1 (Draft)
4259	SPTR.HPTmpTr	HP=Hot point, Tmp=Temperature (°C), Tr=Trip	7-4 Ed2.1 (Draft)
4260	SPTR.MbrAlm	Mbr=Membrane, Alm=Alarm	7-4 Ed2.1 (Draft)
4261	SR	service response	7-3 Ed2.1 (Draft)
4262	Src	Source	7-420 Ed2 (Draft)
4263	src	source	7-3 Ed2.1 (Draft)
4264	Src	Source	7-4 Ed2.1 (Draft)
4265	Srfc	Surface	7-420 Ed2 (Draft)
4266	Srfc	Surface	7-4 Ed2.1 (Draft)
4267	Srt	Short	7-420 Ed2 (Draft)
4268	SS	Substation System	90-5 Ed1
4269	SSDU	Session Service Data Unit	90-5 Ed1
4270	SSH	Secure SHell	90-4 Ed1 (Draft)
4271	ssPDC	Substation Phasor Data Concentrator	90-5 Ed1
4272	SSWI	Circuit Switch Supervision	7-4 Ed2
4273	St	Status, state	7-420 Ed2 (Draft)
4274	st	state	7-3 Ed2.1 (Draft)
4275	ST	status information	7-3 Ed2.1 (Draft)
4276	St	Status, state	7-4 Ed2.1 (Draft)
4277	Sta	Station, function at plant level	7-420 Ed2 (Draft)
4278	Sta	Station, function at plant level	7-4 Ed2.1 (Draft)
4279	Stab	Stabilizer	7-420 Ed2 (Draft)
4280	Stab	Stabilizer	7-4 Ed2.1 (Draft)
4281	start	start	7-3 Ed2.1 (Draft)
4282	Stat	Statistics	7-420 Ed2 (Draft)
4283	Stat	Statistics	7-4 Ed2.1 (Draft)
4284	StatisticsLN		
4285	StatisticsLN.ClcExp	Clc=Calculate, calculated, Exp=Expired	7-4 Ed2.1 (Draft)
4286	StatisticsLN.ClcIntvPer	Clc=Calculate, calculated, Intv=Interval, Per=Periodic, period	7-4 Ed2.1 (Draft)
4287	StatisticsLN.ClcIntvTyp	Clc=Calculate, calculated, Intv=Interval, Typ=Type	7-4 Ed2.1 (Draft)
4288	StatisticsLN.ClcMod	Clc=Calculate, calculated, Mod=Mode	7-4 Ed2.1 (Draft)
4289	StatisticsLN.ClcMth	Clc=Calculate, calculated, Mth=Method	7-4 Ed2.1 (Draft)
4290	StatisticsLN.ClcNxtTmms	Clc=Calculate, calculated, Nxt=Next, Tmms=Time in ms	7-4 Ed2.1 (Draft)
4291	StatisticsLN.ClcRfPer	Clc=Calculate, calculated, Rf=Refreshment, Per=Periodic, period	7-4 Ed2.1 (Draft)

4292	StatisticsLN.ClcRfTyp	Clc=Calculate, calculated, Rf=Refreshment, Typ=Type	7-4 Ed2.1 (Draft)
4293	StatisticsLN.ClcSrc	Clc=Calculate, calculated, Src=Source	7-4 Ed2.1 (Draft)
4294	StatisticsLN.ClcStr	Clc=Calculate, calculated, Str=Start	7-4 Ed2.1 (Draft)
4295	StatisticsLN.InSyn	In=Input, Syn=Synchronisation, synchronous, synchronism	7-4 Ed2.1 (Draft)
4296	StatisticsLN.NumSubIntv	Num=Number, Sub=Sub, Intv=Interval	7-4 Ed2.1 (Draft)
4297	Stc	Stack	7-4 Ed2.1 (Draft)
4298	Std	Standard	7-420 Ed2 (Draft)
4299	Std	Standard	7-4 Ed2.1 (Draft)
4300	Stdby	Standby	7-420 Ed2 (Draft)
4301	Stdby	Standby	7-4 Ed2.1 (Draft)
4302	Step	Step	7-420 Ed2 (Draft)
4303	step	step	7-3 Ed2.1 (Draft)
4304	Step	Step	7-4 Ed2.1 (Draft)
4305	Stk	Stroke	7-420 Ed2 (Draft)
4306	Stk	Stroke	7-4 Ed2.1 (Draft)
4307	Stl	Still, not moving	7-4 Ed2.1 (Draft)
4308	STMP	Temperature Supervisory Logical Node	IEC 61850-7-4
4309	STMP	Temperature supervision	7-4 Ed2
4310	STMP	temperature supervision	7-410 Ed1
4311	STMP	Temperature measurements	7-420 Ed2
4312	STMP.Alm	Alm=Alarm	7-4 Ed2.1 (Draft)
4313	STMP.Tmp	Tmp=Temperature (°C)	7-4 Ed2.1 (Draft)
4314	STMP.TmpAlmSpt	Tmp=Temperature (°C), Alm=Alarm, Spt=Setpoint	7-4 Ed2.1 (Draft)
4315	STMP.TmpTripSpt	Tmp=Temperature (°C), Trip=Trip, Spt=Setpoint	7-4 Ed2.1 (Draft)
4316	STMP.Trip	Trip=Trip	7-4 Ed2.1 (Draft)
4317	Stnd	Stand, standing	7-4 Ed2.1 (Draft)
4318	Sto	Storage, e.g. activity of storing data	7-420 Ed2 (Draft)
4319	Sto	Storage, e.g. activity of storing data	7-4 Ed2.1 (Draft)
4320	Stop	Stop	7-420 Ed2 (Draft)
4321	Stop	Stop	7-4 Ed2.1 (Draft)
4322	Storm	Storm	7-420 Ed2 (Draft)
4323	Storm	Storm	7-4 Ed2.1 (Draft)
4324	Stow	Stow	7-420 Ed2 (Draft)
4325	Stow	Stow	7-4 Ed2.1 (Draft)
4326	STP	IEEE 802.1D	90-4 Ed1 (Draft)

4327	Str	Start	7-420 Ed2 (Draft)
4328	str	start	7-3 Ed2.1 (Draft)
4329	Str	Start	7-4 Ed2.1 (Draft)
4330	Strg	String	7-420 Ed2 (Draft)
4331	Strg	String	7-4 Ed2.1 (Draft)
4332	Stt	Stator	7-420 Ed2 (Draft)
4333	Stt	Stator	7-4 Ed2.1 (Draft)
4334	Stuck	Stuck, cannot move	7-420 Ed2 (Draft)
4335	Stuck	Stuck, cannot move	7-4 Ed2.1 (Draft)
4336	Sub	Sub	7-420 Ed2 (Draft)
4337	sub	substituted	7-3 Ed2.1 (Draft)
4338	Sub	Sub	7-4 Ed2.1 (Draft)
4339	Sum	Sum	7-420 Ed2 (Draft)
4340	Sum	Sum	7-4 Ed2.1 (Draft)
4341	Sup	Supply	7-420 Ed2 (Draft)
4342	Sup	Supply	7-4 Ed2.1 (Draft)
4343	SupervisionLN		
4344	SupervisionLN.OpCntRs	Op=Operate, operating/Trip order to circuit-breaker, Cnt=Counter, Rs=Reset, resettable	7-4 Ed2.1 (Draft)
4345	SUT	System Under Test (zu testendes Gerät)	
4346	SV	sampled value	IEC 61850-7-2 Ed2
4347	Sv	Sampled value	7-420 Ed2 (Draft)
4348	SV	substitution	7-3 Ed2.1 (Draft)
4349	Sv	Sampled value	7-4 Ed2.1 (Draft)
4350	SV	Sampled Values	8-1 Ed2
4351	SV	Sampled Values	90-5 Ed1
4352	SV	IEC 61850-9-2	90-4 Ed1 (Draft)
4353	SVBR	Vibration supervision	7-4 Ed2
4354	SVBR	vibration supervision	7-410 Ed1
4355	SVBR	Vibration conditions	7-420 Ed2
4356	SVBR.Alm	Alm=Alarm	7-4 Ed2.1 (Draft)
4357	SVBR.AxDAlmSpt	Ax=Axial, D=Derivate, Alm=Alarm, Spt=Setpoint	7-4 Ed2.1 (Draft)
4358	SVBR.AxDsp	Ax=Axial, Dsp=Displacement	7-4 Ed2.1 (Draft)
4359	SVBR.AxDTripSpt	Ax=Axial, D=Derivate, Trip=Trip, Spt=Setpoint	7-4 Ed2.1 (Draft)
4360	SVBR.Trip	Trip=Trip	7-4 Ed2.1 (Draft)

4361	SVBR.Vbr	Vbr=Vibration	7-4 Ed2.1 (Draft)
4362	SVBR.VbrAlmSpt	Vbr=Vibration, Alm=Alarm, Spt=Setpoint	7-4 Ed2.1 (Draft)
4363	SVBR.VbrTripSpt	Vbr=Vibration, Trip=Trip, Spt=Setpoint	7-4 Ed2.1 (Draft)
4364	SVC	sampled value control	IEC 61850-7-2 Ed2
4365	Svc	Service	7-420 Ed2 (Draft)
4366	sVC	scale value config	7-3 Ed2.1 (Draft)
4367	Svc	Service	7-4 Ed2.1 (Draft)
4368	SVCB	Sampled Value control block; here used to send synchrophasor data periodically	90-5 Ed1
4369	SvCBRef	SV control block reference	7-420 Ed2 (Draft)
4370	SvCBRef	SV control block reference	7-4 Ed2.1 (Draft)
4371	Sw	Switch, switched	7-420 Ed2 (Draft)
4372	sw	software	7-3 Ed2.1 (Draft)
4373	Sw	Switch, switched	7-4 Ed2.1 (Draft)
4374	SW	Software	90-5 Ed1
4375	Swg	Swing	7-420 Ed2 (Draft)
4376	Swg	Swing	7-4 Ed2.1 (Draft)
4377	SwitchgearSupervisionLN		
4378	SwitchgearSupervisionLN.AccAbr	Acc=Accuracy, Abr=Abrasion	7-4 Ed2.1 (Draft)
4379	SwitchgearSupervisionLN.AuxSwTmCls	Aux=Auxiliary, Sw=Switch, switched, Tm=Time, Cls=Close, closed	7-4 Ed2.1 (Draft)
4380	SwitchgearSupervisionLN.AuxSwTmOpn	Aux=Auxiliary, Sw=Switch, switched, Tm=Time, Opn=Open, opened	7-4 Ed2.1 (Draft)
4381	SwitchgearSupervisionLN.ColA	Col=Coil, A=Current	7-4 Ed2.1 (Draft)
4382	SwitchgearSupervisionLN.MechHealth	Mech=Mechanical, Health=Health	7-4 Ed2.1 (Draft)
4383	SwitchgearSupervisionLN.OpAlmNum	Op=Operate, operating/Trip order to circuit-breaker, Alm=Alarm, Num=Number	7-4 Ed2.1 (Draft)
4384	SwitchgearSupervisionLN.OpAlmTmh	Op=Operate, operating/Trip order to circuit-breaker, Alm=Alarm, Tmh=Time in h	7-4 Ed2.1 (Draft)
4385	SwitchgearSupervisionLN.OpCntAlm	Op=Operate, operating/Trip order to circuit-breaker, Cnt=Counter, Alm=Alarm	7-4 Ed2.1 (Draft)
4386	SwitchgearSupervisionLN.OpCntWrn	Op=Operate, operating/Trip order to circuit-breaker, Cnt=Counter, Wrn=Warning	7-4 Ed2.1 (Draft)
4387	SwitchgearSupervisionLN.OpSpdCls	Op=Operate, operating/Trip order to circuit-breaker, Spd=Speed, Cls=Close, closed	7-4 Ed2.1 (Draft)
4388	SwitchgearSupervisionLN.OpSpdOpn	Op=Operate, operating/Trip order to circuit-breaker, Spd=Speed, Opn=Open, opened	7-4 Ed2.1 (Draft)

4389	SwitchgearSupervisionLN.OpTmAlm	Op=Operate, operating/Trip order to circuit-breaker, Tm=Time, Alm=Alarm	7-4 Ed2.1 (Draft)
4390	SwitchgearSupervisionLN.OpTmCls	Op=Operate, operating/Trip order to circuit-breaker, Tm=Time, Cls=Close, closed	7-4 Ed2.1 (Draft)
4391	SwitchgearSupervisionLN.OpTmOpn	Op=Operate, operating/Trip order to circuit-breaker, Tm=Time, Opn=Open, opened	7-4 Ed2.1 (Draft)
4392	SwitchgearSupervisionLN.OpTmWrn	Op=Operate, operating/Trip order to circuit-breaker, Tm=Time, Wrn=Warning	7-4 Ed2.1 (Draft)
4393	SwitchgearSupervisionLN.OpWrnNum	Op=Operate, operating/Trip order to circuit-breaker, Wrn=Warning, Num=Number	7-4 Ed2.1 (Draft)
4394	SwitchgearSupervisionLN.OpWrnTmh	Op=Operate, operating/Trip order to circuit-breaker, Wrn=Warning, Tmh=Time in h	7-4 Ed2.1 (Draft)
4395	SwitchgearSupervisionLN.OvStkCls	Ov=Over, override, overflow, Stk=Stroke, Cls=Close, closed	7-4 Ed2.1 (Draft)
4396	SwitchgearSupervisionLN.OvStkOpn	Ov=Over, override, overflow, Stk=Stroke, Opn=Open, opened	7-4 Ed2.1 (Draft)
4397	SwitchgearSupervisionLN.RctTmCls	Rct=Reaction, Tm=Time, Cls=Close, closed	7-4 Ed2.1 (Draft)
4398	SwitchgearSupervisionLN.RctTmOpn	Rct=Reaction, Tm=Time, Opn=Open, opened	7-4 Ed2.1 (Draft)
4399	SwitchgearSupervisionLN.Stk	Stk=Stroke	7-4 Ed2.1 (Draft)
4400	SwitchgearSupervisionLN.Tmp	Tmp=Temperature (°C)	7-4 Ed2.1 (Draft)
4401	SwitchingEquipmentLN		
4402	SwitchingEquipmentLN.BlkCls	Blk=Block, blocked, Cls=Close, closed	7-4 Ed2.1 (Draft)
4403	SwitchingEquipmentLN.BlkOpn	Blk=Block, blocked, Opn=Open, opened	7-4 Ed2.1 (Draft)
4404	SwitchingEquipmentLN.ChaMotEna	Cha=Charger, Mot=Motor, Ena=Enabled, enable, allow operation	7-4 Ed2.1 (Draft)
4405	SwitchingEquipmentLN.Dsc	Dsc=Discrepancy	7-4 Ed2.1 (Draft)
4406	SwitchingEquipmentLN.Loc	Loc=Local	7-4 Ed2.1 (Draft)
4407	SwitchingEquipmentLN.LocKey	Loc=Local, Key=Key, physical control device	7-4 Ed2.1 (Draft)
4408	SwitchingEquipmentLN.LocSta	Loc=Local, Sta=Station, function at plant level	7-4 Ed2.1 (Draft)
4409	SwitchingEquipmentLN.OpCnt	Op=Operate, operating/Trip order to circuit-breaker, Cnt=Counter	7-4 Ed2.1 (Draft)
4410	SwitchingEquipmentLN.Pos	Pos=Position	7-4 Ed2.1 (Draft)
4411	Swl	Power quality event swell	7-420 Ed2 (Draft)
4412	Swl	Power quality event swell	7-4 Ed2.1 (Draft)
4413	Syn	Synchronisation, synchronous, synchronism	7-420 Ed2 (Draft)
4414	Syn	Synchronisation, synchronous, synchronism	7-4 Ed2.1 (Draft)
4415	Sync	Synchronization	8-1 Ed2
4416	Sys	System	7-420 Ed2 (Draft)
4417	Sys	System	7-4 Ed2.1 (Draft)

4418	t	time	7-3 Ed2.1 (Draft)
4419	T	type	7-3 Ed2.1 (Draft)
4420	T	Transport or Timestamp	8-1 Ed2
4421	Ta	Armature time constant	7-420 Ed2 (Draft)
4422	Ta	Armature time constant	7-4 Ed2.1 (Draft)
4423	Tag	Tag	7-420 Ed2 (Draft)
4424	Tag	Tag (maintenance work in progress)	7-4 Ed2.1 (Draft)
4425	TAI	Temps Atomique International	8-1 Ed2
4426	TAI	International Atomic Time (TAI, from the French name Temps Atomique International).	90-5 Ed1
4427	TANG	Angle	7-4 Ed2
4428	TANG	Angle sensor	7-410 Ed1
4429	TANG.AngSv	Ang=Angle, Sv=Sampled value	7-4 Ed2.1 (Draft)
4430	Tap	Tap	7-420 Ed2 (Draft)
4431	Tap	Tap	7-4 Ed2.1 (Draft)
4432	TASE.2	Telecontrol Application Service Element 2; IEC 60870-6-TASE.2 (synonym ICCP – Kommunikationsnorm zur Kommunikation zwischen Netzleitstellen)	
4433	Task	Task	7-4 Ed2.1 (Draft)
4434	TAXD	Axial displacement	7-4 Ed2
4435	TAXD	Axial displacement sensor	7-410 Ed1
4436	TAXD.AxDspSv	Ax=Axial, Dsp=Displacement, Sv=Sampled value	7-4 Ed2.1 (Draft)
4437	TC	IEC 61588	90-4 Ed1 (Draft)
4438	TCI	Telecontrol Interface (for example, to NCC)	5 Ed2 (Draft)
4439	TCI	Tag Control Information	90-5 Ed1
4440	TCP	Transmission Control Protocol (Transportprotokoll des Internets)	
4441	TCP	Transmission Control Protocol	8-1 Ed2
4442	TCP	Transmission Control Protocol	90-5 Ed1
4443	TCP	RFC 675	90-4 Ed1 (Draft)
4444	TCP/IP	Transmission Control Protocol / Internet Protocol (Transport- und Netzwerkprotokoll des Internets)	
4445	TCTR	LN: Current transformer (Stromwandler)	7-4 Ed2
4446	TCTR.AmpSv	Amp=Ampere, current non-phase-related AC, Sv=Sampled value	7-4 Ed2.1 (Draft)
4447	TCTR.ARtg	A=Current, Rtg=Rating	7-4 Ed2.1 (Draft)
4448	Td	Transformer derating	7-420 Ed2 (Draft)

4449	Td	Transformer derating	7-4 Ed2.1 (Draft)
4450	Td0p	Td0'	7-420 Ed2 (Draft)
4451	Td0p	Td0'	7-4 Ed2.1 (Draft)
4452	Td0s	Td0''	7-420 Ed2 (Draft)
4453	Td0s	Td0''	7-4 Ed2.1 (Draft)
4454	Tdd	Total demand distortion	7-420 Ed2 (Draft)
4455	Tdd	Total demand distortion	7-4 Ed2.1 (Draft)
4456	Tdf	Transformer derating factor	7-420 Ed2 (Draft)
4457	Tdf	Transformer derating factor	7-4 Ed2.1 (Draft)
4458	Tdp	Td'	7-420 Ed2 (Draft)
4459	Tdp	Td'	7-4 Ed2.1 (Draft)
4460	Tds	Td''	7-420 Ed2 (Draft)
4461	Tds	Td''	7-4 Ed2.1 (Draft)
4462	TDST	Distance	7-4 Ed2
4463	TDST	Distance sensor	7-410 Ed1
4464	TDST.DisSv	Dis=Distance, Sv=Sampled value	7-4 Ed2.1 (Draft)
4465	Tech	Technology	7-420 Ed2 (Draft)
4466	Tech	Technology	7-4 Ed2.1 (Draft)
4467	Term	Termination	7-420 Ed2 (Draft)
4468	Term	Description	7-4 Ed2.1 (Draft)
4469	Term	Termination	7-4 Ed2.1 (Draft)
4470	Test	Test	7-420 Ed2 (Draft)
4471	Test	Test	7-4 Ed2.1 (Draft)
4472	TFLW	Liquid flow	7-4 Ed2
4473	TFLW	Flow sensor	7-410 Ed1
4474	TFLW.FlwSv	Flw=Flow, flowing, Sv=Sampled value	7-4 Ed2.1 (Draft)
4475	TFRQ	Frequency	7-4 Ed2
4476	TFRQ	Frequency sensor	7-410 Ed1
4477	TFRQ.HzSv	Hz=Frequency, Sv=Sampled value	7-4 Ed2.1 (Draft)
4478	TGSN	Generic sensor	7-4 Ed2
4479	TGSN.GenSv	Gen=General, Sv=Sampled value	7-4 Ed2.1 (Draft)
4480	Tgt	Target	7-420 Ed2 (Draft)
4481	Tgt	Target	7-4 Ed2.1 (Draft)
4482	Thd	Total harmonic distortion	7-420 Ed2 (Draft)
4483	Thd	Total harmonic distortion	7-4 Ed2.1 (Draft)

4484	Thm	Thermal	7-420 Ed2 (Draft)
4485	Thm	Thermal	7-4 Ed2.1 (Draft)
4486	ThresholdLN		
4487	ThresholdLN.Op	Op=Operate, operating/Trip order to circuit-breaker	7-4 Ed2.1 (Draft)
4488	ThresholdLN.OpDlTmms	Op=Operate, operating/Trip order to circuit-breaker, Dl=Delay, Tmms=Time in ms	7-4 Ed2.1 (Draft)
4489	ThresholdLN.RsDlTmms	Rs=Reset, resettable, Dl=Delay, Tmms=Time in ms	7-4 Ed2.1 (Draft)
4490	ThresholdLN.StrCrv	Str=Start, Crv=Curve	7-4 Ed2.1 (Draft)
4491	ThresholdLN.StrVal	Str=Start, Val=Value	7-4 Ed2.1 (Draft)
4492	THUM	Humidity sensor	7-410 Ed1
4493	THUM	Humidity	7-4 Ed2
4494	THUM.HumSv	Hum=Humidity, Sv=Sampled value	7-4 Ed2.1 (Draft)
4495	Tif	Telephone influence factor	7-420 Ed2 (Draft)
4496	Tif	Telephone influence factor	7-4 Ed2.1 (Draft)
4497	Tilt	Tilt	7-420 Ed2 (Draft)
4498	Tilt	Tilt	7-4 Ed2.1 (Draft)
4499	timeout	timeout	7-3 Ed2.1 (Draft)
4500	TLEV	Level sensor	7-410 Ed1
4501	TLV	Type-Length-Value, a parameter in an IEC 61588 message	90-4 Ed1 (Draft)
4502	TLVL	LMedia level	7-4 Ed2
4503	TLVL.LevPctSv	Lev=Level, Pct=Percent, percentage, Sv=Sampled value	7-4 Ed2.1 (Draft)
4504	Tm	Time	7-420 Ed2 (Draft)
4505	tm	time	7-3 Ed2.1 (Draft)
4506	Tm	Time	7-4 Ed2.1 (Draft)
4507	Tm1	Time constant 1	7-420 Ed2 (Draft)
4508	Tm1	Time constant 1	7-4 Ed2.1 (Draft)
4509	Tm2	Time constant 2	7-420 Ed2 (Draft)
4510	Tm2	Time constant 2	7-4 Ed2.1 (Draft)
4511	Tm3	Time constant 3	7-420 Ed2 (Draft)
4512	Tm3	Time constant 3	7-4 Ed2.1 (Draft)
4513	TMGF	Magnetic field	7-4 Ed2
4514	TMGF	Magnetic field sensor	7-410 Ed1
4515	TMGF.MagFldSv	Mag=Magnetic, magnitude, Fld=Field, Sv=Sampled value	7-4 Ed2.1 (Draft)
4516	Tmh	Time in h	7-420 Ed2 (Draft)
4517	Tmh	Time in h	7-4 Ed2.1 (Draft)

4518	TMI	Telemonitoring Interface (for example, to engineers workplace)	5 Ed2 (Draft)
4519	Tmm	Time in min	7-420 Ed2 (Draft)
4520	Tmm	Time in min	7-4 Ed2.1 (Draft)
4521	Tmms	Time in ms	7-420 Ed2 (Draft)
4522	Tmms	Time in ms	7-4 Ed2.1 (Draft)
4523	Tmp	Temperature (°C)	7-420 Ed2 (Draft)
4524	Tmp	Temperature (°C)	7-4 Ed2.1 (Draft)
4525	Tms	Time in s	7-420 Ed2 (Draft)
4526	Tms	Time in s	7-4 Ed2.1 (Draft)
4527	TMVM	Movement senso	7-4 Ed2
4528	TMVM	Movement sensor	7-410 Ed1
4529	TMVM.MvmRteSv	Mvm=Movement, moving, Rte=Rate, Sv=Sampled value	7-4 Ed2.1 (Draft)
4530	Tnk	Tank	7-420 Ed2 (Draft)
4531	Tnk	Tank	7-4 Ed2.1 (Draft)
4532	Tns	Tension (stress)	7-420 Ed2 (Draft)
4533	Tns	Tension (stress)	7-4 Ed2.1 (Draft)
4534	to	to	7-3 Ed2.1 (Draft)
4535	Torq	Torque	7-420 Ed2 (Draft)
4536	Torq	Torque	7-4 Ed2.1 (Draft)
4537	TOS	Type of Service	90-5 Ed1
4538	Tot	Total	7-420 Ed2 (Draft)
4539	Tot	Total	7-4 Ed2.1 (Draft)
4540	TP	two party	IEC 61850-7-2 Ed2
4541	TP	Three pole	7-420 Ed2 (Draft)
4542	TP	Three pole	7-4 Ed2.1 (Draft)
4543	Tp	Test Point	7-4 Ed2.1 (Draft)
4544	TPAA	two party application association	IEC 61850-7-2 Ed2
4545	Tpc	Teleprotection	7-420 Ed2 (Draft)
4546	Tpc	Teleprotection	7-4 Ed2.1 (Draft)
4547	TPDU	Transport Protocol Data Unit	90-5 Ed1
4548	TPID	Priority Tagging Identification (for IEEE 802.1Q networks) = 0x8100	8-1 Ed2
4549	TPID	Tag Protocol Identifier (for IEEE 802.1Q networks)	90-5 Ed1
4550	TPOS	Position indicator	7-4 Ed2
4551	TPOS	Position indicator	7-410 Ed1
4552	TPOS.PosPctSv	Pos=Position, Pct=Percent, percentage, Sv=Sampled value	7-4 Ed2.1 (Draft)

4553	T-Profile	Transport Profile	90-5 Ed1
4554	TPRS	Pressure sensor	7-4 Ed2
4555	TPRS	Pressure sensor	7-410 Ed1
4556	TPRS.PresSv	Pres=Pressure, Sv=Sampled value	7-4 Ed2.1 (Draft)
4557	Tq0p	Tq0'	7-420 Ed2 (Draft)
4558	Tq0s	Tq0''	7-420 Ed2 (Draft)
4559	Tqp	Tq'	7-420 Ed2 (Draft)
4560	Tqs	Tq''	7-420 Ed2 (Draft)
4561	Tr	Trip	7-420 Ed2 (Draft)
4562	tr	transient	7-3 Ed2.1 (Draft)
4563	Tr	Trip (electrical protection function)	7-4 Ed2.1 (Draft)
4564	trans	transient	7-3 Ed2.1 (Draft)
4565	Trb	Turbine	7-4 Ed2.1 (Draft)
4566	Trf	Transformer	7-420 Ed2 (Draft)
4567	Trf	Transformer	7-4 Ed2.1 (Draft)
4568	Trg	Trigger	7-420 Ed2 (Draft)
4569	Trg	Trigger	7-4 Ed2.1 (Draft)
4570	TrgOp	Trigger Option (one out of a list)	IEC 61850-7-2
4571	TrgOp	trigger option	IEC 61850-7-2 Ed2
4572	TrgOp	trigger option	IEC 61850-7-3 Ed2
4573	TrgOp	trigger option	7-3 Ed2.1 (Draft)
4574	TrgOps	List of Trigger Options (dchg, qchg, dupd, gi, intgpd …)	IEC 61850-7-2
4575	Trip	Trip	7-420 Ed2 (Draft)
4576	Trip	Trip (non-electrical function)	7-4 Ed2.1 (Draft)
4577	Trk	Track, tracking	7-420 Ed2 (Draft)
4578	Trk	Track, tracking	7-4 Ed2.1 (Draft)
4579	Trq	Torque	7-420 Ed2 (Draft)
4580	Trq	Torque	7-4 Ed2.1 (Draft)
4581	Trs	Transient	7-420 Ed2 (Draft)
4582	Trs	Transient	7-4 Ed2.1 (Draft)
4583	TRTN	Rotation transmitter	7-4 Ed2
4584	TRTN	Rotation transmitter	7-410 Ed1
4585	TRTN.RotSpdSv	Rot=Rotation, rotor, Spd=Speed, Sv=Sampled value	7-4 Ed2.1 (Draft)
4586	Ts	Total signed	7-420 Ed2 (Draft)
4587	Ts	Total signed	7-4 Ed2.1 (Draft)

4588	TSAP	Transport Service Access Point.	90-5 Ed1
4589	TSDU	Transport Service Data Unit	90-5 Ed1
4590	TSEL	Transport Selector	90-5 Ed1
4591	TSG	Time setting group	IEC 61850-7-3 Ed2
4592	TSND	Sound pressure sensor	7-4 Ed2
4593	TSND	Sound pressure sensor	7-410 Ed1
4594	TSND.SndSv	Snd=Sound pressure, Sv=Sampled value	7-4 Ed2.1 (Draft)
4595	tst	test	7-3 Ed2.1 (Draft)
4596	TTMP	Temperature sensor	7-4 Ed2
4597	TTMP	Temperature sensor	7-410 Ed1
4598	TTMP.TmpSv	Tmp=Temperature (°C), Sv=Sampled value	7-4 Ed2.1 (Draft)
4599	TTNS	Mechanical tension / stress	7-4 Ed2
4600	TTNS	Mechanical tension /stress sensor	7-410 Ed1
4601	TTNS.TnsSv	Tns=Tension (stress), Sv=Sampled value	7-4 Ed2.1 (Draft)
4602	Tu	Total unsigned	7-420 Ed2 (Draft)
4603	Tu	Total unsigned	7-4 Ed2.1 (Draft)
4604	Tun	Tuning	7-420 Ed2 (Draft)
4605	Tun	Tuning	7-4 Ed2.1 (Draft)
4606	Tur	Turbine	7-420 Ed2 (Draft)
4607	Tur	Turbine	7-4 Ed2.1 (Draft)
4608	TVBR	Vibration sensor	7-4 Ed2
4609	TVBR	Vibration sensor	7-410 Ed1
4610	TVBR.VbrSv	Vbr=Vibration, Sv=Sampled value	7-4 Ed2.1 (Draft)
4611	TVTR	LN: Voltage transformer (Spannungswandler)	
4612	TVTR	Voltage transformer	7-4 Ed2
4613	TVTR.FuFail	Fu=Fuse, Fail=Failure	7-4 Ed2.1 (Draft)
4614	TVTR.VolSv	Vol=Voltage non-phase-related AC, Sv=Sampled value	7-4 Ed2.1 (Draft)
4615	TVTR.VRtg	V=Voltage, Rtg=Rating	7-4 Ed2.1 (Draft)
4616	TWPH	Water acidity	7-4 Ed2
4617	TWPH	Water pH sensor	7-410 Ed1
4618	TWPH.H2OPHSv	H2O=Water, PH=Acidity, value of pH, Sv=Sampled value	7-4 Ed2.1 (Draft)
4619	Tx	Transmit, transmitted	7-420 Ed2 (Draft)
4620	Tx	Transmit, transmitted	7-4 Ed2.1 (Draft)
4621	Typ	Type	7-420 Ed2 (Draft)
4622	Typ	Type	7-4 Ed2.1 (Draft)

4623	type	type	7-3 Ed2.1 (Draft)
4624	u	unicode	7-3 Ed2.1 (Draft)
4625	u or U	User-specific: Indicates that the service, parameter, or attribute can be defined by an implementation	8-1 Ed2
4626	u= or U=	User-specific information that shall be equal the original information supplied in the request	8-1 Ed2
4627	UCA	Utility Communication Architecture	8-1 Ed2
4628	UCA ®	Utility Communications Architecture (common term) – (Trademark of EPRI)	
4629	UCA 2.0	Utility Communications Architecture version 2 – IEEE TR 1550 (NOT a standard!)	
4630	UCAIug	UCA international users group	IEC 61850-7-1 Ed2
4631	UDP	User Datagram Protocol	90-5 Ed1
4632	UDP	RFC 768	90-4 Ed1 (Draft)
4633	Uhf	Ultra-high-frequency	7-420 Ed2 (Draft)
4634	Uhf	Ultra-high-frequency	7-4 Ed2.1 (Draft)
4635	UML	Unified Modelling Language (Objektorientierte Modellierungssprache)	IEC 61850-6 Ed2
4636	UML	Unified Modelling Language according to http://www.omg.org/uml	6 Ed2
4637	Un	Under	7-420 Ed2 (Draft)
4638	Un	Under	7-4 Ed2.1 (Draft)
4639	Unav	Unavailable	7-420 Ed2 (Draft)
4640	Unav	Unavailable	7-4 Ed2.1 (Draft)
4641	Unb	Unbalanced	7-420 Ed2 (Draft)
4642	Unb	Unbalanced	7-4 Ed2.1 (Draft)
4643	UnbalanceDetectionLN		
4644	UnbalanceDetectionLN.StrVal	Str=Start, Val=Value	7-4 Ed2.1 (Draft)
4645	UnbalanceDetectionLN.UnbDetMth	Unb=Unbalanced, Det=Detected, Mth=Method	7-4 Ed2.1 (Draft)
4646	unit	unit	7-3 Ed2.1 (Draft)
4647	units	units	7-3 Ed2.1 (Draft)
4648	Unld	Unload	7-420 Ed2 (Draft)
4649	Unld	Unload	7-4 Ed2.1 (Draft)
4650	Unt	Unit, production unit	7-4 Ed2.1 (Draft)
4651	Up	Up, upstream	7-420 Ed2 (Draft)
4652	Up	Up, upstream	7-4 Ed2.1 (Draft)

4653	UPS	Uninterruptible power supply	7-420 Ed2 (Draft)
4654	UPS	Uninterruptible power supply	7-4 Ed2.1 (Draft)
4655	URCB	unbuffered report control block	IEC 61850-7-2 Ed2
4656	Urcb	Unbuffered report control block	7-420 Ed2 (Draft)
4657	Urcb	Unbuffered report control block	7-4 Ed2.1 (Draft)
4658	URCB	Unbuffered Report Control Block	8-1 Ed2
4659	Urg	Urgent	7-420 Ed2 (Draft)
4660	Urg	Urgent	7-4 Ed2.1 (Draft)
4661	URI	Universal Resource Identifier	IEC 61850-6 Ed2
4662	URI	Universal Resource Identifier	6 Ed2
4663	Use	Use	7-420 Ed2 (Draft)
4664	Use	Use	7-4 Ed2.1 (Draft)
4665	Used	Used	7-420 Ed2 (Draft)
4666	Used	Used	7-4 Ed2.1 (Draft)
4667	USVCB	unicast sampled value control block	IEC 61850-7-2 Ed2
4668	Usvcb	Unicast sampled values control block	7-420 Ed2 (Draft)
4669	Usvcb	Unicast sampled values control block	7-4 Ed2.1 (Draft)
4670	UsvID	ID for USV (Unicast Sampled Value)	IEC 61850-6 Ed2
4671	UsvID	ID for USV (Unicast Sampled Value)	6 Ed2
4672	UTC	Co-ordinated Universal Time (koordinierte Weltzeit)	IEC 61850-7-1 Ed2
4673	UTC	Universal time coordinated	IEC 61850-7-2 Ed2
4674	UTC	Coordinated universal time	8-1 Ed2
4675	Util	Utility	7-420 Ed2 (Draft)
4676	Util	Utility	7-4 Ed2.1 (Draft)
4677	V	Voltage	7-420 Ed2 (Draft)
4678	V	Voltage	7-4 Ed2.1 (Draft)
4679	V1	Voltage at side 1	7-420 Ed2 (Draft)
4680	V1	Voltage at side 1	7-4 Ed2.1 (Draft)
4681	V2	Voltage at side 2	7-420 Ed2 (Draft)
4682	V2	Voltage at side 2	7-4 Ed2.1 (Draft)
4683	VA	Apparent power (volt amperes)	7-420 Ed2 (Draft)
4684	Va	Variation	7-420 Ed2 (Draft)
4685	VA	Apparent power (volt amperes)	7-4 Ed2.1 (Draft)
4686	Va	Variation	7-4 Ed2.1 (Draft)
4687	Vac	Vacuum	7-420 Ed2 (Draft)

4688	Vac	Vacuum	7-4 Ed2.1 (Draft)
4689	VAh	Apparent energy	7-420 Ed2 (Draft)
4690	VAh	Apparent energy	7-4 Ed2.1 (Draft)
4691	Val	Value	7-420 Ed2 (Draft)
4692	val	value	7-3 Ed2.1 (Draft)
4693	Val	Value	7-4 Ed2.1 (Draft)
4694	ValveLN		
4695	ValveLN.ClsLim	Cls=Close, closed, Lim=Limit	7-410 Ed2 (Draft)
4696	ValveLN.Flw	Flw=Flow, flowing	7-410 Ed2 (Draft)
4697	ValveLN.Incr	Incr=Increment, increase	7-410 Ed2 (Draft)
4698	ValveLN.OpnLim	Opn=Open, opened, Lim=Limit	7-410 Ed2 (Draft)
4699	ValveLN.PosChgIncr	PosChg=Position change, Incr=Increment, increase	7-410 Ed2 (Draft)
4700	ValveLN.PosCls	PosC=Position phase L3, ls=?	7-410 Ed2 (Draft)
4701	ValveLN.PosDeg	Pos=Position, Deg=Degrees	7-410 Ed2 (Draft)
4702	ValveLN.PosOpn	Pos=Position, Opn=Open, opened	7-410 Ed2 (Draft)
4703	ValveLN.PosPct	Pos=Position, Pct=Percent, percentage	7-410 Ed2 (Draft)
4704	ValveLN.PosSpt	Pos=Position, Spt=Setpoint	7-410 Ed2 (Draft)
4705	ValveLN.Stuck	Stuck=Stuck, cannot move	7-410 Ed2 (Draft)
4706	VAr	Reactive power (volt amperes reactive)	7-420 Ed2 (Draft)
4707	VAr	Reactive power (volt amperes reactive)	7-4 Ed2.1 (Draft)
4708	VArh	Reactive energy	7-420 Ed2 (Draft)
4709	VArh	Reactive energy	7-4 Ed2.1 (Draft)
4710	VARSPEC	Variable Specification	8-1 Ed2
4711	Vbr	Vibration	7-420 Ed2 (Draft)
4712	Vbr	Vibration	7-4 Ed2.1 (Draft)
4713	vendor	vendor	7-3 Ed2.1 (Draft)
4714	Ver	Vertical	7-420 Ed2 (Draft)
4715	Ver	Vertical	7-4 Ed2.1 (Draft)
4716	V-GET	Virtual Get Function. Defined in ISO 9506-1	8-1 Ed2
4717	VID	VLAN Identificator	8-1 Ed2
4718	VID	IEEE 802.1Q	90-4 Ed1 (Draft)
4719	VID	VLAN Identificator	
4720	Viol	Violation	7-420 Ed2 (Draft)
4721	Viol	Violation	7-4 Ed2.1 (Draft)
4722	Vis	Visibility	7-420 Ed2 (Draft)

4723	Vis	Visibility	7-4 Ed2.1 (Draft)
4724	Visc	Viscosity	7-420 Ed2 (Draft)
4725	Visc	Viscosity	7-4 Ed2.1 (Draft)
4726	VLAN	Virtual Local Area Network	
4727	VLAN	Virtual LAN	8-1 Ed2
4728	VLAN	IEEE 802.1Q	90-4 Ed1 (Draft)
4729	Vlm	Volume	7-420 Ed2 (Draft)
4730	Vlm	Volume	7-4 Ed2.1 (Draft)
4731	Vlv	Valve	7-420 Ed2 (Draft)
4732	Vlv	Valve	7-4 Ed2.1 (Draft)
4733	VMD	Virtual manufacturing device	IEC 61850-7-1 Ed2
4734	VMD	Virtual Manufacturing Device	8-1 Ed2
4735	Vol	Voltage non-phase-related AC	7-420 Ed2 (Draft)
4736	Vol	Voltage non-phase-related AC	7-4 Ed2.1 (Draft)
4737	VolAmpr	Non-phase-related AC reactive power	7-420 Ed2 (Draft)
4738	VolAmpr	Non-phase-related AC reactive power	7-4 Ed2.1 (Draft)
4739	VoltageProtectionLN		
4740	VoltageProtectionLN.MaxOpTmms	Max=Maximum, Op=Operate, operating/Trip order to circuit-breaker, Tmms=Time in ms	7-4 Ed2.1 (Draft)
4741	VoltageProtectionLN.MinOpTmms	Min=Minimum, Op=Operate, operating/Trip order to circuit-breaker, Tmms=Time in ms	7-4 Ed2.1 (Draft)
4742	VoltageProtectionLN.OpDlTmms	Op=Operate, operating/Trip order to circuit-breaker, Dl=Delay, Tmms=Time in ms	7-4 Ed2.1 (Draft)
4743	VoltageProtectionLN.RsDlTmms	Rs=Reset, resettable, Dl=Delay, Tmms=Time in ms	7-4 Ed2.1 (Draft)
4744	VoltageProtectionLN.Str	Str=Start	7-4 Ed2.1 (Draft)
4745	VoltageProtectionLN.StrVal	Str=Start, Val=Value	7-4 Ed2.1 (Draft)
4746	VoltageProtectionLN.TmMult	Tm=Time, Mult=Multiplier	7-4 Ed2.1 (Draft)
4747	VPP	Virtual Power Plant	
4748	V-PUT	Virtual Put Function. Defined in ISO 9506-1.	8-1 Ed2
4749	VSG	Visible string setting	IEC 61850-7-3 Ed2
4750	VT	Voltage Transformer (Spannungswandler)	IEC 61850-9-2
4751	VT	Voltage transformer	IEC 61850-7-1 Ed2
4752	VT	voltage transformer	IEC 61850-7-2 Ed2
4753	VT	voltage transducer / transformer	7-4 Ed2.1 (Draft)
4754	VT	Voltage Transformer. Also known as a Potential Transformer (PT).	90-5 Ed1

4755	VT	Voltage Transformer (for measurement)	90-4 Ed1 (Draft)
4756	W	Active power	7-420 Ed2 (Draft)
4757	w	with	7-3 Ed2.1 (Draft)
4758	W	Active power	7-4 Ed2.1 (Draft)
4759	w	Mandates that the item is writeable. The ability to read the item is a local issue.	8-1 Ed2
4760	w	Writeable	90-5 Ed1
4761	W200	Watts peak at 200 W/m2	7-4 Ed2.1 (Draft)
4762	Wac	Watchdog	7-420 Ed2 (Draft)
4763	Wac	Watchdog	7-4 Ed2.1 (Draft)
4764	WALG	Wind turbine analogue log information	61400-25-2 Ed1
4765	WALM	Wind power plant alarm information	61400-25-2 Ed1
4766	WALM.AlmSt	Alm=Alarm, St=Status, state	61400-25-2
4767	WALM.EvtTm	Evt=Event, Tm=Time	61400-25-2
4768	WAMPAC	Wide Area Monitoring, Protection, and Control	90-5 Ed1
4769	WAN	Wide Area Network	5 Ed2 (Draft)
4770	WAN	Wide area network	90-5 Ed1
4771	WAN	Wide Area Network	90-4 Ed1 (Draft)
4772	WAPC	Wind power plant active power control information	61400-25-2 Ed1
4773	WAPC.NumOpTur	Num=Number, Op=Operate, operating/Trip order to circuit-breaker, Tur=Turbine	61400-25-2
4774	WAPC.PlDelAct	Pl=Plant, Del=Delta, Act=Action, activity, active, activate	61400-25-2
4775	WAPC.PlDelEna	Pl=Plant, Del=Delta, Ena=Enabled, enable, allow operation	61400-25-2
4776	WAPC.PlGraAct	Pl=Plant, Gra=Gradient, Act=Action, activity, active, activate	61400-25-2
4777	WAPC.PlGraEna	Pl=Plant, Gra=Gradient, Ena=Enabled, enable, allow operation	61400-25-2
4778	WAPC.PlVA	Pl=Plant, VA=Apparent power (volt amperes)	61400-25-2
4779	WAPC.PlVAAct	Pl=Plant, VA=Apparent power (volt amperes), Act=Action, activity, active, activate	61400-25-2
4780	WAPC.PlVAEna	Pl=Plant, VA=Apparent power (volt amperes), Ena=Enabled, enable, allow operation	61400-25-2
4781	WAPC.PlW	Pl=Plant, W=Active power	61400-25-2
4782	WAPC.PlWAct	Pl=Plant, W=Active power, Act=Action, activity, active, activate	61400-25-2
4783	WAPC.PlWCap	Pl=Plant, W=Active power, Cap=Capability, capacity	61400-25-2
4784	WAPC.PlWDel	Pl=Plant, W=Active power, Del=Delta	61400-25-2

4785	WAPC.PlWLimEna	Pl=Plant, W=Active power, Lim=Limit, Ena=Enabled, enable, allow operation	61400-25-2
4786	WAPC.SetPlDel	Set=Setting, Pl=Plant, Del=Delta	61400-25-2
4787	WAPC.SetPlVA	Set=Setting, Pl=Plant, VA=Apparent power (volt amperes)	61400-25-2
4788	WAPC.SetPlW	Set=Setting, Pl=Plant, W=Active power	61400-25-2
4789	WAPC.SetPlWDnGra	Set=Setting, Pl=Plant, W=Active power, Dn=Down, downstream, Gra=Gradient	61400-25-2
4790	WAPC.SetPlWUpGra	Set=Setting, Pl=Plant, W=Active power, Up=Up, upstream, Gra=Gradient	61400-25-2
4791	Wash	Washout	7-420 Ed2 (Draft)
4792	Wash	Washout	7-4 Ed2.1 (Draft)
4793	Watt	Active power non-phase-related AC	7-420 Ed2 (Draft)
4794	Watt	Active power non-phase-related AC	7-4 Ed2.1 (Draft)
4795	Wav	Wave, waveform	7-420 Ed2 (Draft)
4796	Wav	Wave, waveform	7-4 Ed2.1 (Draft)
4797	WCNV	Wind turbine converter information	61400-25-2 Ed1
4798	WCNV.ClSt	Cl=Cooling, coolant, cooling system (see also CE), St=Status, state	61400-25-2
4799	WCNV.CnvOpMod	Cnv=Converter, Op=Operate, operating/Trip order to circuit-breaker, Mod=Mode	61400-25-2
4800	WCNV.CnvTmpDcl	Cnv=Converter, Tmp=Temperature (°C), Dcl=DC-link	61400-25-2
4801	WCNV.CnvTmpGn	Cnv=Converter, Tmp=Temperature (°C), Gn=Generator	61400-25-2
4802	WCNV.CnvTmpGri	Cnv=Converter, Tmp=Temperature (°C), Gri=Grid	61400-25-2
4803	WCNV.DclAmp	Dcl=DC-link, Amp=Ampere, current non-phase-related AC	61400-25-2
4804	WCNV.DclVol	Dcl=DC-link, Vol=Voltage non-phase-related AC	61400-25-2
4805	WCNV.GnA	Gn=Generator, A=Current	61400-25-2
4806	WCNV.GnPF	Gn=Generator, PF=Power factor	61400-25-2
4807	WCNV.GnPNV	Gn=Generator, PNV=Phase-to-neutral voltage	61400-25-2
4808	WCNV.GnPPV	Gn=Generator, PPV=Phase to phase voltage	61400-25-2
4809	WCNV.GriA	Gri=Grid, A=Current	61400-25-2
4810	WCNV.GriPF	Gri=Grid, PF=Power factor	61400-25-2
4811	WCNV.GriPNV	Gri=Grid, PNV=Phase-to-neutral voltage	61400-25-2
4812	WCNV.GriPPV	Gri=Grid, PPV=Phase to phase voltage	61400-25-2
4813	WCNV.Hz	Hz=Frequency	61400-25-2
4814	WCNV.OpTmRs	Op=Operate, operating/Trip order to circuit-breaker, Tm=Time, Rs=Reset, resettable	61400-25-2

4815	WCNV.Torq	Torq=Torque	61400-25-2
4816	Wd	Wind	7-420 Ed2 (Draft)
4817	Wd	Wind	7-4 Ed2.1 (Draft)
4818	Week	Week	7-420 Ed2 (Draft)
4819	week	week	7-3 Ed2.1 (Draft)
4820	Week	Week	7-4 Ed2.1 (Draft)
4821	Wei	Weak end infeed	7-420 Ed2 (Draft)
4822	Wei	Weak end infeed	7-4 Ed2.1 (Draft)
4823	Wet	Wet	7-420 Ed2 (Draft)
4824	Wet	Wet	7-4 Ed2.1 (Draft)
4825	WGEN	Wind turbine generator information	61400-25-2 Ed1
4826	WGEN.ClSt	Cl=Cooling, coolant, cooling system (see also CE), St=Status, state	61400-25-2
4827	WGEN.GnOpMod	Gn=Generator, Op=Operate, operating/Trip order to circuit-breaker, Mod=Mode	61400-25-2
4828	WGEN.GnTmpInlet	Gn=Generator, Tmp=Temperature (°C), Inlet=Inlet	61400-25-2
4829	WGEN.GnTmpRot	Gn=Generator, Tmp=Temperature (°C), Rot=Rotation, rotor	61400-25-2
4830	WGEN.GnTmpStt	Gn=Generator, Tmp=Temperature (°C), Stt=Stator	61400-25-2
4831	WGEN.OpTmRs	Op=Operate, operating/Trip order to circuit-breaker, Tm=Time, Rs=Reset, resettable	61400-25-2
4832	WGEN.RotA	Rot=Rotation, rotor, A=Current	61400-25-2
4833	WGEN.RotExtAC	Rot=Rotation, rotor, Ext=Excitation/External, AC=AC, alternating current	61400-25-2
4834	WGEN.RotExtDC	Rot=Rotation, rotor, Ext=Excitation/External, DC=DC, direct current	61400-25-2
4835	WGEN.RotPNV	Rot=Rotation, rotor, PNV=Phase-to-neutral voltage	61400-25-2
4836	WGEN.RotPPV	Rot=Rotation, rotor, PPV=Phase to phase voltage	61400-25-2
4837	WGEN.Spd	Spd=Speed	61400-25-2
4838	WGEN.SttA	Stt=Stator, A=Current	61400-25-2
4839	WGEN.SttPNV	Stt=Stator, PNV=Phase-to-neutral voltage	61400-25-2
4840	WGEN.SttPPV	Stt=Stator, PPV=Phase to phase voltage	61400-25-2
4841	WGEN.VAr	VAr=Reactive power (volt amperes reactive)	61400-25-2
4842	WGEN.W	W=Active power	61400-25-2
4843	Wh	Watt hours	7-420 Ed2 (Draft)
4844	Wh	Watt hours	7-4 Ed2.1 (Draft)
4845	Wid	Width	7-420 Ed2 (Draft)
4846	Wid	Width	7-4 Ed2.1 (Draft)

4847	Win	Window	7-420 Ed2 (Draft)
4848	Win	Window	7-4 Ed2.1 (Draft)
4849	Wkup	Wake up	7-420 Ed2 (Draft)
4850	Wkup	Wake up	7-4 Ed2.1 (Draft)
4851	WMET	Wind power plant meteorological information	61400-25-2 Ed1
4852	WMET.Alt1Alt	Alt=Altitude, 1=?, A=Current, lt=?	61400-25-2
4853	WMET.Alt1HorWdDir	Alt=Altitude, 1=?, Hor=Horizontal, Wd=Wind, Dir=Direction	61400-25-2
4854	WMET.Alt1HorWdSpd	Alt=Altitude, 1=?, Hor=Horizontal, Wd=Wind, Spd=Speed	61400-25-2
4855	WMET.Alt1Hum	Alt=Altitude, 1=?, Hum=Humidity	61400-25-2
4856	WMET.Alt1Pres	Alt=Altitude, 1=?, Pres=Pressure	61400-25-2
4857	WMET.Alt1Tmp	Alt=Altitude, 1=?, Tmp=Temperature (°C)	61400-25-2
4858	WMET.Alt1VerWdDir	Alt=Altitude, 1=?, Ver=Vertical, Wd=Wind, Dir=Direction	61400-25-2
4859	WMET.Alt1VerWdSpd	Alt=Altitude, 1=?, Ver=Vertical, Wd=Wind, Spd=Speed	61400-25-2
4860	WNAC	Wind turbine nacelle information	61400-25-2 Ed1
4861	WNAC.AneSt	Ane=Anemometer, St=Status, state	61400-25-2
4862	WNAC.BecBlbSt	Bec=Beacon, Blb=Bulb, St=Status, state	61400-25-2
4863	WNAC.BecLumLev	Bec=Beacon, Lum=Luminosity, Lev=Level	61400-25-2
4864	WNAC.BecTmRs	Bec=Beacon, Tm=Time, Rs=Reset, resettable	61400-25-2
4865	WNAC.Dir	Dir=Direction	61400-25-2
4866	WNAC.DspXdir	Dsp=Displacement, Xdir=X-direction	61400-25-2
4867	WNAC.DspYdir	Dsp=Displacement, Ydir=Y-direction	61400-25-2
4868	WNAC.ExTmp	Ex=External, Tmp=Temperature (°C)	61400-25-2
4869	WNAC.Ice	Ice=Ice	61400-25-2
4870	WNAC.IceSt	Ice=Ice, St=Status, state	61400-25-2
4871	WNAC.IntlHum	Intl=Internal, Hum=Humidity	61400-25-2
4872	WNAC.IntlTmp	Intl=Internal, Tmp=Temperature (°C)	61400-25-2
4873	WNAC.SetBecLev	Set=Setting, Bec=Beacon, Lev=Level	61400-25-2
4874	WNAC.SetBecMod	Set=Setting, Bec=Beacon, Mod=Mode	61400-25-2
4875	WNAC.SetFlsh	Set=Setting, Flsh=Flash, flashing	61400-25-2
4876	WNAC.Vis	Vis=Visibility	61400-25-2
4877	WNAC.WdDir	Wd=Wind, Dir=Direction	61400-25-2
4878	WNAC.WdHtSt	Wd=Wind, Ht=Heating, heating system (see also Heat), St=Status, state	61400-25-2
4879	WNAC.WdSpd	Wd=Wind, Spd=Speed	61400-25-2
4880	WREP	Wind turbine report information	61400-25-2 Ed1

4881	Wrm	Warm	7-420 Ed2 (Draft)
4882	Wrm	Warm	7-4 Ed2.1 (Draft)
4883	Wrn	Warning	7-420 Ed2 (Draft)
4884	Wrn	Warning	7-4 Ed2.1 (Draft)
4885	WROT	Wind turbine rotor information	61400-25-2 Ed1
4886	WROT.BlkRot	Blk=Block, blocked, Rot=Rotation, rotor	61400-25-2
4887	WROT.BlStBl1	Bl=Blade, St=Status, state, B=Bushing, l1=?	61400-25-2
4888	WROT.BlStBl2	Bl=Blade, St=Status, state, B=Bushing, l2=?	61400-25-2
4889	WROT.BlStBl3	Bl=Blade, St=Status, state, B=Bushing, l3=?	61400-25-2
4890	WROT.HubTmp	Hub=Hub, Tmp=Temperature (°C)	61400-25-2
4891	WROT.PtchAngSptBl1	Ptch=Pitch, Ang=Angle, Spt=Setpoint, Bl=Blade, 1=?	61400-25-2
4892	WROT.PtchAngSptBl2	Ptch=Pitch, Ang=Angle, Spt=Setpoint, Bl=Blade, 2=?	61400-25-2
4893	WROT.PtchAngSptBl3	Ptch=Pitch, Ang=Angle, Spt=Setpoint, Bl=Blade, 3=?	61400-25-2
4894	WROT.PtchAngValBl1	Ptch=Pitch, Ang=Angle, Val=Value, Bl=Blade, 1=?	61400-25-2
4895	WROT.PtchAngValBl2	Ptch=Pitch, Ang=Angle, Val=Value, Bl=Blade, 2=?	61400-25-2
4896	WROT.PtchAngValBl3	Ptch=Pitch, Ang=Angle, Val=Value, Bl=Blade, 3=?	61400-25-2
4897	WROT.PtchCtlSt	Ptch=Pitch, Ctl=Control, St=Status, state	61400-25-2
4898	WROT.PtchEmgChk	Ptch=Pitch, Emg=Emergency, Chk=Check	61400-25-2
4899	WROT.PtchHyPresBl1	Ptch=Pitch, Hy=Hydraulic, hydraulic system, Pres=Pressure, Bl=Blade, 1=?	61400-25-2
4900	WROT.PtchHyPresBl2	Ptch=Pitch, Hy=Hydraulic, hydraulic system, Pres=Pressure, Bl=Blade, 2=?	61400-25-2
4901	WROT.PtchHyPresBl3	Ptch=Pitch, Hy=Hydraulic, hydraulic system, Pres=Pressure, Bl=Blade, 3=?	61400-25-2
4902	WROT.RotPos	Rot=Rotation, rotor, Pos=Position	61400-25-2
4903	WROT.RotSpd	Rot=Rotation, rotor, Spd=Speed	61400-25-2
4904	WROT.RotSt	Rot=Rotation, rotor, St=Status, state	61400-25-2
4905	WRPC	Wind power plant reactive power control information	61400-25-2 Ed1
4906	WRPC.NumOpTur	Num=Number, Op=Operate, operating/Trip order to circuit-breaker, Tur=Turbine	61400-25-2
4907	WRPC.PlPF	Pl=Plant, PF=Power factor	61400-25-2
4908	WRPC.PlV	Pl=Plant, V=Voltage	61400-25-2
4909	WRPC.PlVAr	Pl=Plant, VAr=Reactive power (volt amperes reactive)	61400-25-2
4910	WRPC.PlVArAct	Pl=Plant, VAr=Reactive power (volt amperes reactive), Act=Action, activity, active, activate	61400-25-2

4911	WRPC.PlVArCapExpt	Pl=Plant, VAr=Reactive power (volt amperes reactive), Cap=Capability, capacity, Expt=Export	61400-25-2
4912	WRPC.PlVArCapImpt	Pl=Plant, VAr=Reactive power (volt amperes reactive), Cap=Capability, capacity, Impt=Import	61400-25-2
4913	WRPC.PlVArMod	Pl=Plant, VAr=Reactive power (volt amperes reactive), Mod=Mode	61400-25-2
4914	WRPC.SetPlDrp	Set=Setting, Pl=Plant, Drp=Droop	61400-25-2
4915	WRPC.SetPlPF	consuming reac...	61400-25-2
4916	WRPC.SetPlV	Set=Setting, Pl=Plant, V=Voltage	61400-25-2
4917	WRPC.SetPlVAr	Set=Setting, Pl=Plant, VAr=Reactive power (volt amperes reactive)	61400-25-2
4918	WRPC.SetPlVArDnGra	Set=Setting, Pl=Plant, VAr=Reactive power (volt amperes reactive), Dn=Down, downstream, Gra=Gradient	61400-25-2
4919	WRPC.SetPlVArUpGra	Set=Setting, Pl=Plant, VAr=Reactive power (volt amperes reactive), Up=Up, upstream, Gra=Gradient	61400-25-2
4920	WRPC.SetPlVDnGra	Set=Setting, Pl=Plant, V=Voltage, Dn=Down, downstream, Gra=Gradient	61400-25-2
4921	WRPC.SetPlVUpGra	Set=Setting, Pl=Plant, V=Voltage, Up=Up, upstream, Gra=Gradient	61400-25-2
4922	WSLG	Wind turbine state log information	61400-25-2 Ed1
4923	WTOW	Wind turbine tower information	61400-25-2 Ed1
4924	WTOW.DehumSt	Dehum=De-humidifier, St=Status, state	61400-25-2
4925	WTOW.HtexSt	Htex=Heat-exchanger, St=Status, state	61400-25-2
4926	WTOW.IntlHum	Intl=Internal, Hum=Humidity	61400-25-2
4927	WTOW.LftPos	Lft=Lifting, lift, Pos=Position	61400-25-2
4928	WTOW.LftSt	Lft=Lifting, lift, St=Status, state	61400-25-2
4929	Wtr	Water	7-420 Ed2 (Draft)
4930	Wtr	Water	7-4 Ed2.1 (Draft)
4931	WTRF	Wind turbine transformer information	61400-25-2 Ed1
4932	WTRF.ActGriSw	Act=Action, activity, active, activate, Gri=Grid, Sw=Switch, switched	61400-25-2
4933	WTRF.OilLevSt	Oil=Oil, Lev=Level, St=Status, state	61400-25-2
4934	WTRF.TmpTrfGri	Tmp=Temperature (°C), Trf=Transformer, Gri=Grid	61400-25-2
4935	WTRF.TmpTrfTur	Tmp=Temperature (°C), Trf=Transformer, Tur=Turbine	61400-25-2
4936	WTRF.TnkPresSt	Tnk=Tank, Pres=Pressure, St=Status, state	61400-25-2
4937	WTRF.TrfClSt	Trf=Transformer, Cl=Cooling, coolant, cooling system (see also CE), St=Status, state	61400-25-2
4938	WTRF.TrfGriA	Trf=Transformer, Gri=Grid, A=Current	61400-25-2
4939	WTRF.TrfGriPNV	Trf=Transformer, Gri=Grid, PNV=Phase-to-neutral voltage	61400-25-2

4940	WTRF.TrfGriPPV	Trf=Transformer, Gri=Grid, PPV=Phase to phase voltage	61400-25-2
4941	WTRF.TrfOpTmRs	Trf=Transformer, Op=Operate, operating/Trip order to circuit-breaker, Tm=Time, Rs=Reset, resettable	61400-25-2
4942	WTRF.TrfTurA	Trf=Transformer, Tur=Turbine, A=Current	61400-25-2
4943	WTRF.TrfTurPNV	Trf=Transformer, Tur=Turbine, PNV=Phase-to-neutral voltage	61400-25-2
4944	WTRF.TrfTurPPV	Trf=Transformer, Tur=Turbine, PPV=Phase to phase voltage	61400-25-2
4945	WTRM	Wind turbine transmission information	61400-25-2 Ed1
4946	WTRM.BrkHyPres	Brk=Brake, Hy=Hydraulic, hydraulic system, Pres=Pressure	61400-25-2
4947	WTRM.BrkOpMod	Brk=Brake, Op=Operate, operating/Trip order to circuit-breaker, Mod=Mode	61400-25-2
4948	WTRM.ClSt	Cl=Cooling, coolant, cooling system (see also CE), St=Status, state	61400-25-2
4949	WTRM.FilSt	Fil=Filter, filtration system, St=Status, state	61400-25-2
4950	WTRM.GbxOilLev	Gbx=Gearbox, Oil=Oil, Lev=Level	61400-25-2
4951	WTRM.GbxOilPres	Gbx=Gearbox, Oil=Oil, Pres=Pressure	61400-25-2
4952	WTRM.GsLev	Gs=Grease, Lev=Level	61400-25-2
4953	WTRM.HtSt	Ht=Heating, heating system (see also Heat), St=Status, state	61400-25-2
4954	WTRM.InlFil	Inl=Inline, Fil=Filter, filtration system	61400-25-2
4955	WTRM.InlFilSt	Inl=Inline, Fil=Filter, filtration system, St=Status, state	61400-25-2
4956	WTRM.LuSt	Lu=Lubrication, St=Status, state	61400-25-2
4957	WTRM.OfFil	Of=Offline, Fil=Filter, filtration system	61400-25-2
4958	WTRM.OfFilSt	Of=Offline, Fil=Filter, filtration system, St=Status, state	61400-25-2
4959	WTRM.OilLevSt	Oil=Oil, Lev=Level, St=Status, state	61400-25-2
4960	WTRM.TmpGbxOil	Tmp=Temperature (°C), Gbx=Gearbox, Oil=Oil	61400-25-2
4961	WTRM.TmpShftBrg	Tmp=Temperature (°C), Shft=Shaft, Brg=Bearing	61400-25-2
4962	WTRM.TmpShftBrg2	Tmp=Temperature (°C), Shft=Shaft, Brg=Bearing, 2=?	61400-25-2
4963	WTRM.TmpShftBrk	Tmp=Temperature (°C), Shft=Shaft, Brk=Brake	61400-25-2
4964	WTRM.VbrGbx1	Vbr=Vibration, Gbx=Gearbox, 1=?	61400-25-2
4965	WTRM.VbrGbx2	Vbr=Vibration, Gbx=Gearbox, 2=?	61400-25-2
4966	WTUR	Wind turbine general information	61400-25-2 Ed1
4967	WTUR.AvlTmRs	Avl=Availability, Tm=Time, Rs=Reset, resettable	61400-25-2
4968	WTUR.DmdPF	Dmd=Demand, PF=Power factor	61400-25-2
4969	WTUR.DmdVAr	Dmd=Demand, VAr=Reactive power (volt amperes reactive)	61400-25-2
4970	WTUR.DmdVArh	energy flow from a substation ...	61400-25-2
4971	WTUR.DmdW	Dmd=Demand, W=Active power	61400-25-2
4972	WTUR.DmdWh	energy flow from a substa...	61400-25-2

4973	WTUR.OpTmRs	Op=Operate, operating/Trip order to circuit-breaker, Tm=Time, Rs=Reset, resettable	61400-25-2
4974	WTUR.SetTurOp	Set=Setting, Tur=Turbine, Op=Operate, operating/Trip order to circuit-breaker	61400-25-2
4975	WTUR.StopCnt	Stop=Stop, Cnt=Counter	61400-25-2
4976	WTUR.StrCnt	Str=Start, Cnt=Counter	61400-25-2
4977	WTUR.SupVArh	energy flow from the wind turb...	61400-25-2
4978	WTUR.SupWh	energy flow from the wind...	61400-25-2
4979	WTUR.TotVArh	Tot=Total, VArh=Reactive energy	61400-25-2
4980	WTUR.TotWh	Tot=Total, Wh=Watt hours	61400-25-2
4981	WTUR.TurSt	Tur=Turbine, St=Status, state	61400-25-2
4982	WTUR.VAr	VAr=Reactive power (volt amperes reactive)	61400-25-2
4983	WTUR.VArOvW	VAr=Reactive power (volt amperes reactive), Ov=Over, override, overflow, W=Active power	61400-25-2
4984	WTUR.VArRefPrio	VAr=Reactive power (volt amperes reactive), Ref=Reference, Prio=Priority	61400-25-2
4985	WTUR.W	W=Active power	61400-25-2
4986	Wup	Windup	7-420 Ed2 (Draft)
4987	Wup	Windup	7-4 Ed2.1 (Draft)
4988	WYAW	Wind turbine yawing information	61400-25-2 Ed1
4989	WYAW.ActYw	Act=Action, activity, active, activate, Yw=Yaw	61400-25-2
4990	WYAW.Ang	Ang=Angle	61400-25-2
4991	WYAW.BrkPres	Brk=Brake, Pres=Pressure	61400-25-2
4992	WYAW.BrkSt	Brk=Brake, St=Status, state	61400-25-2
4993	WYAW.CabWup	Cab=Cable, Wup=Windup	61400-25-2
4994	WYAW.CcwTm	Ccw=Counter clockwise, Tm=Time	61400-25-2
4995	WYAW.CwTm	Cw=Clockwise, Tm=Time	61400-25-2
4996	WYAW.Spd	Spd=Speed	61400-25-2
4997	WYAW.St	St=Status, state	61400-25-2
4998	WYAW.SysGsLev	Sys=System, Gs=Grease, Lev=Level	61400-25-2
4999	WYAW.Tmp	Tmp=Temperature (°C)	61400-25-2
5000	WYE	Common Data Class (Messwerte zwischen Außenleiter und Bezugserde eines Drei-Leiter-Systems)	
5001	WYE	Phase to ground/neutral related measured values of a three-phase system	IEC 61850-7-3 Ed2

5002	x	x coordinate	7-3 Ed2.1 (Draft)
5003	X	Reactance (imaginary part of impedance)	7-4 Ed2.1 (Draft)
5004	X0	Zero sequence reactance	7-420 Ed2 (Draft)
5005	X0	Zero sequence reactance	7-4 Ed2.1 (Draft)
5006	X1	Positive sequence reactance	7-420 Ed2 (Draft)
5007	X1	Positive sequence reactance	7-4 Ed2.1 (Draft)
5008	X2	Negative sequence reactance X2	7-420 Ed2 (Draft)
5009	X2	Negative sequence reactance X2	7-4 Ed2.1 (Draft)
5010	XCBR	Logical Node: Circuit breaker (Leistungsschalter)	IEC 61850-7-4
5011	XCBR	Circuit breaker	7-4 Ed2
5012	XCBR.CBOpCap	CB=Circuit breaker, Op=Operate, operating/Trip order to circuit-breaker, Cap=Capability, capacity	7-4 Ed2.1 (Draft)
5013	XCBR.CBTmms	CB=Circuit breaker, Tmms=Time in ms	7-4 Ed2.1 (Draft)
5014	XCBR.MaxOpCap	Max=Maximum, Op=Operate, operating/Trip order to circuit-breaker, Cap=Capability, capacity	7-4 Ed2.1 (Draft)
5015	XCBR.POWCap	POW=Point on wave switching, Cap=Capability, capacity	7-4 Ed2.1 (Draft)
5016	XCBR.SumSwARs	Sum=Sum, Sw=Switch, switched, A=Current, Rs=Reset, resettable	7-4 Ed2.1 (Draft)
5017	Xd	Synchronous reactance Xd	7-420 Ed2 (Draft)
5018	Xd	Synchronous reactance Xd	7-4 Ed2.1 (Draft)
5019	Xdir	X-direction	7-420 Ed2 (Draft)
5020	Xdir	X-direction	7-4 Ed2.1 (Draft)
5021	Xdp	Transient synchronous reactance Xd'	7-420 Ed2 (Draft)
5022	Xdp	Transient synchronous reactance Xd'	7-4 Ed2.1 (Draft)
5023	Xds	Subtransient reactance Xd''	7-420 Ed2 (Draft)
5024	Xds	Subtransient reactance Xd''	7-4 Ed2.1 (Draft)
5025	XFFL		
5026	XFFL.DCAlm	DC=DC, direct current, Alm=Alarm	7-410 Ed2 (Draft)
5027	XFFL.FaTms	Fa="Fire all" sequence (to thyristors), Tms=Time in s	7-410 Ed2 (Draft)
5028	XFFL.FlshFail	Flsh=Flash, flashing, Fail=Failure	7-410 Ed2 (Draft)
5029	XFFL.FlshMaxTms	Flsh=Flash, flashing, Max=Maximum, Tms=Time in s	7-410 Ed2 (Draft)
5030	XFFL.Loc	Loc=Local	7-410 Ed2 (Draft)
5031	XFFL.Op	Op=Operate, operating/Trip order to circuit-breaker	7-410 Ed2 (Draft)
5032	XFFL.OpCls	Op=Operate, operating/Trip order to circuit-breaker, Cls=Close, closed	7-410 Ed2 (Draft)

5033	XFFL.OpCntRs	Op=Operate, operating/Trip order to circuit-breaker, Cnt=Counter, Rs=Reset, resettable	7-410 Ed2 (Draft)
5034	XFFL.Operate	Operate=Operate order to any device	7-410 Ed2 (Draft)
5035	XFFL.RptDlTms	Rpt=Repeat, repetition, Dl=Delay, Tms=Time in s	7-410 Ed2 (Draft)
5036	XFFL.RsDlTmms	Rs=Reset, resettable, Dl=Delay, Tmms=Time in ms	7-410 Ed2 (Draft)
5037	XFFL.StrVal	Str=Start, Val=Value	7-410 Ed2 (Draft)
5038	XFFL.VSynOf	V=Voltage, Syn=Synchronisation, synchronous, synchronism, Of=Offline	7-410 Ed2 (Draft)
5039	XFUS	Fuse	7-420 Ed2
5040	XFUS.AlmSt	True = alarm state	7-420 Ed2 (Draft)
5041	XFUS.FuA	Fu=Fuse, A=Current	7-420 Ed2 (Draft)
5042	XFUS.FuTyp	Fu=Fuse, Typ=Type	7-420 Ed2 (Draft)
5043	XFUS.FuV	Fu=Fuse, V=Voltage	7-420 Ed2 (Draft)
5044	XFUS.PkLetA	Pk=Peak, Let=Let-thru, A=Current	7-420 Ed2 (Draft)
5045	XFUS.TmACrvSet	Tm=Time, A=Current, Crv=Curve, Set=Setting	7-420 Ed2 (Draft)
5046	XFUS.TypV	True = DC; False = AC	7-420 Ed2 (Draft)
5047	Xm	Mutual reactance	7-420 Ed2 (Draft)
5048	Xm	Mutual reactance	7-4 Ed2.1 (Draft)
5049	XML	extensible Mark-up Language (Erweiterte Auszeichnungssprache)	IEC 61850-6 Ed2
5050	XML	Extensible Markup Language	6 Ed2
5051	XML	eXtensible Markup Language	90-5 Ed1
5052	Xq	Synchronous reactance Xq	7-420 Ed2 (Draft)
5053	Xq	Synchronous reactance Xq	7-4 Ed2.1 (Draft)
5054	Xqp	Transient synchronous reactance Xq'	7-420 Ed2 (Draft)
5055	Xqp	Transient synchronous reactance Xq'	7-4 Ed2.1 (Draft)
5056	Xqs	Subtransient reactance Xq''	7-420 Ed2 (Draft)
5057	Xqs	Subtransient reactance Xq''	7-4 Ed2.1 (Draft)
5058	XSD	eXtensible Markup Language (XML) Schema Definition	90-5 Ed1
5059	Xsec	Cross-section	7-420 Ed2 (Draft)
5060	Xsec	Cross-section	7-4 Ed2.1 (Draft)
5061	XSWI	LN: Circuit Switch (Trennschalter (auch Erdungs-, Last-Schalter))	IEC 61850-7-4
5062	XSWI	Circuit switch	7-4 Ed2
5063	XSWI.SwOpCap	Sw=Switch, switched, Op=Operate, operating/Trip order to circuit-breaker, Cap=Capability, capacity	7-4 Ed2.1 (Draft)
5064	XSWI.SwTyp	Sw=Switch, switched, Typ=Type	7-4 Ed2.1 (Draft)

5065	y	y coordinate	7-3 Ed2.1 (Draft)
5066	Ydir	Y-direction	7-420 Ed2 (Draft)
5067	Ydir	Y-direction	7-4 Ed2.1 (Draft)
5068	YEFN	Earth fault neutralizer (Petersen coil)	7-4 Ed2
5069	YEFN.ColAEFN	Col=Coil, A=Current, EFN=Earth-fault neutriliser (Petersen coil)	7-4 Ed2.1 (Draft)
5070	YEFN.ColChg	Col=Coil, Chg=Change	7-4 Ed2.1 (Draft)
5071	YEFN.ColPos	Col=Coil, Pos=Position	7-4 Ed2.1 (Draft)
5072	YEFN.ColPosA	Col=Coil, PosA=Position phase L1	7-4 Ed2.1 (Draft)
5073	YEFN.ColTapPos	Col=Coil, Tap=Tap, Pos=Position	7-4 Ed2.1 (Draft)
5074	YEFN.EndPosL	End=End, Pos=Position, L=Lower (action)	7-4 Ed2.1 (Draft)
5075	YEFN.EndPosR	End=End, Pos=Position, R=Raise, increase	7-4 Ed2.1 (Draft)
5076	YEFN.MotAlm	Mot=Motor, Alm=Alarm	7-4 Ed2.1 (Draft)
5077	YEFN.NeutVol	Neut=Neutral, Vol=Voltage non-phase-related AC	7-4 Ed2.1 (Draft)
5078	YEFN.PotAlm	Pot=Potentiometer, Alm=Alarm	7-4 Ed2.1 (Draft)
5079	YEFN.TapChg	Tap=Tap, Chg=Change	7-4 Ed2.1 (Draft)
5080	YLTC	LN: Tap changer (Stufenschalter)	7-4 Ed2
5081	YLTC.BlkLoVisc	Blk=Block, blocked, Lo=Low (state or value), Visc=Viscosity	7-4 Ed2.1 (Draft)
5082	YLTC.EndPosL	End=End, Pos=Position, L=Lower (action)	7-4 Ed2.1 (Draft)
5083	YLTC.EndPosR	End=End, Pos=Position, R=Raise, increase	7-4 Ed2.1 (Draft)
5084	YLTC.LTCCycAlm	LTC=Load tap changer, Cyc=Cycle, Alm=Alarm	7-4 Ed2.1 (Draft)
5085	YLTC.OoStep	Oo=Out of, Step=Step	7-4 Ed2.1 (Draft)
5086	YLTC.OpCnt	Op=Operate, operating/Trip order to circuit-breaker, Cnt=Counter	7-4 Ed2.1 (Draft)
5087	YLTC.TapChg	Tap=Tap, Chg=Change	7-4 Ed2.1 (Draft)
5088	YLTC.TapPos	Tap=Tap, Pos=Position	7-4 Ed2.1 (Draft)
5089	YPSH	Power shunt	7-4 Ed2
5090	YPSH.BlkCls	Blk=Block, blocked, Cls=Close, closed	7-4 Ed2.1 (Draft)
5091	YPSH.BlkOpn	Blk=Block, blocked, Opn=Open, opened	7-4 Ed2.1 (Draft)
5092	YPSH.ChaMotEna	Cha=Charger, Mot=Motor, Ena=Enabled, enable, allow operation	7-4 Ed2.1 (Draft)
5093	YPSH.Pos	Pos=Position	7-4 Ed2.1 (Draft)
5094	YPSH.ShOpCap	Sh=Shunt, Op=Operate, operating/Trip order to circuit-breaker, Cap=Capability, capacity	7-4 Ed2.1 (Draft)
5095	YPTR	LN: Power transformer (Leistungstransformator)	7-4 Ed2
5096	YPTR.HiVRtg	Hi=High, highest, V=Voltage, Rtg=Rating	7-4 Ed2.1 (Draft)
5097	YPTR.LodFact	Lod=Load, loading, Fact=Factor	7-4 Ed2.1 (Draft)
5098	YPTR.LoVRtg	Lo=Low (state or value), V=Voltage, Rtg=Rating	7-4 Ed2.1 (Draft)

5099	YPTR.MaxVA	Max=Maximum, VA=Apparent power (volt amperes)	7-4 Ed2.1 (Draft)
5100	YPTR.MaxVASpt	Max=Maximum, VA=Apparent power (volt amperes), Spt=Setpoint	7-4 Ed2.1 (Draft)
5101	YPTR.OpNoLod	Op=Operate, operating/Trip order to circuit-breaker, No=No, not, Lod=Load, loading	7-4 Ed2.1 (Draft)
5102	YPTR.OpOvA	Op=Operate, operating/Trip order to circuit-breaker, Ov=Over, override, overflow, A=Current	7-4 Ed2.1 (Draft)
5103	YPTR.OpOvV	Op=Operate, operating/Trip order to circuit-breaker, Ov=Over, override, overflow, V=Voltage	7-4 Ed2.1 (Draft)
5104	YPTR.OpUnV	Op=Operate, operating/Trip order to circuit-breaker, Un=Under, V=Voltage	7-4 Ed2.1 (Draft)
5105	YPTR.OvlTm	Ovl=Overload, Tm=Time	7-4 Ed2.1 (Draft)
5106	YPTR.OvlTmEmg	Ovl=Overload, Tm=Time, Emg=Emergency	7-4 Ed2.1 (Draft)
5107	YPTR.OvlTmEmgSpt	Ovl=Overload, Tm=Time, Emg=Emergency, Spt=Setpoint	7-4 Ed2.1 (Draft)
5108	YPTR.OvlTmSpt	Ovl=Overload, Tm=Time, Spt=Setpoint	7-4 Ed2.1 (Draft)
5109	YPTR.VARtg	VA=Apparent power (volt amperes), Rtg=Rating	7-4 Ed2.1 (Draft)
5110	Yw	Yaw	7-420 Ed2 (Draft)
5111	Yw	Yaw	7-4 Ed2.1 (Draft)
5112	Z	Impedance	7-420 Ed2 (Draft)
5113	z	z coordinate	7-3 Ed2.1 (Draft)
5114	Z	Impedance	7-4 Ed2.1 (Draft)
5115	Z0	zero sequence impedance	7-4 Ed2.1 (Draft)
5116	Z1	positive sequence impedance	7-4 Ed2.1 (Draft)
5117	ZAXN	Auxiliary network	7-4 Ed2
5118	ZAXN.Amp	Amp=Ampere, current non-phase-related AC	7-4 Ed2.1 (Draft)
5119	ZAXN.Vol	Vol=Voltage non-phase-related AC	7-4 Ed2.1 (Draft)
5120	ZBAT	Battery	7-4 Ed2
5121	ZBAT	Battery systems	7-420 Ed2
5122	ZBAT.Amp	Amp=Ampere, current non-phase-related AC	7-4 Ed2.1 (Draft)
5123	ZBAT.BatHi	Bat=Battery, Hi=High, highest	7-4 Ed2.1 (Draft)
5124	ZBAT.BatLo	Bat=Battery, Lo=Low (state or value)	7-4 Ed2.1 (Draft)
5125	ZBAT.BatTest	Bat=Battery, Test=Test	7-4 Ed2.1 (Draft)
5126	ZBAT.HiBatVal	Hi=High, highest, Bat=Battery, Val=Value	7-4 Ed2.1 (Draft)
5127	ZBAT.LoBatVal	Lo=Low (state or value), Bat=Battery, Val=Value	7-4 Ed2.1 (Draft)
5128	ZBAT.TestRsl	Test=Test, Rsl=Result	7-4 Ed2.1 (Draft)
5129	ZBAT.Vol	Vol=Voltage non-phase-related AC	7-4 Ed2.1 (Draft)

5130	ZBAT.VolChgRte	Vol=Voltage non-phase-related AC, Chg=Change, Rte=Rate	7-4 Ed2.1 (Draft)
5131	ZBSH	Bushing	7-4 Ed2
5132	ZBSH.AbsReact	Abs=Absolute, React=Reactance, reactive	7-4 Ed2.1 (Draft)
5133	ZBSH.DspA	Dsp=Displacement, A=Current	7-4 Ed2.1 (Draft)
5134	ZBSH.LeakA	Leak=Leakage, A=Current	7-4 Ed2.1 (Draft)
5135	ZBSH.LosFact	Los=Loss, Fact=Factor	7-4 Ed2.1 (Draft)
5136	ZBSH.React	React=Reactance, reactive	7-4 Ed2.1 (Draft)
5137	ZBSH.RefPF	Ref=Reference, PF=Power factor	7-4 Ed2.1 (Draft)
5138	ZBSH.RefReact	Ref=Reference, React=Reactance, reactive	7-4 Ed2.1 (Draft)
5139	ZBSH.RefV	Ref=Reference, V=Voltage	7-4 Ed2.1 (Draft)
5140	ZBSH.Vol	Vol=Voltage non-phase-related AC	7-4 Ed2.1 (Draft)
5141	ZBTC	Battery charger	7-420 Ed2
5142	ZCAB	Power cable	7-4 Ed2
5143	ZCAP	Capacitor bank	7-4 Ed2
5144	ZCAP.CapDS	Cap=Capability, capacity, DS=Device state	7-4 Ed2.1 (Draft)
5145	ZCAP.DschBlk	Dsch=Discharge, Blk=Block, blocked	7-4 Ed2.1 (Draft)
5146	ZCON	Converter	7-4 Ed2
5147	ZCON.VArRtg	VAr=Reactive power (volt amperes reactive), Rtg=Rating	7-4 Ed2.1 (Draft)
5148	ZCON.VRtg	V=Voltage, Rtg=Rating	7-4 Ed2.1 (Draft)
5149	Zer	Zero	7-420 Ed2 (Draft)
5150	Zer	Zero	7-4 Ed2.1 (Draft)
5151	Zero	(use 'Zer' instead) Zero	7-420 Ed2 (Draft)
5152	zero	zero	7-3 Ed2.1 (Draft)
5153	Zero	(use 'Zer' instead) Zero	7-4 Ed2.1 (Draft)
5154	ZGEN	Generator	7-4 Ed2
5155	ZGEN.AuxSco	Aux=Auxiliary, Sco=Supply change over	7-4 Ed2.1 (Draft)
5156	ZGEN.DExt	DExt=De-excitation	7-4 Ed2.1 (Draft)
5157	ZGEN.DmdW	Dmd=Demand, W=Active power	7-4 Ed2.1 (Draft)
5158	ZGEN.GnCtl	Gn=Generator, Ctl=Control	7-4 Ed2.1 (Draft)
5159	ZGEN.GnSpd	Gn=Generator, Spd=Speed	7-4 Ed2.1 (Draft)
5160	ZGEN.GnSt	Gn=Generator, St=Status, state	7-4 Ed2.1 (Draft)
5161	ZGEN.LosOil	Los=Loss, Oil=Oil	7-4 Ed2.1 (Draft)
5162	ZGEN.LosVac	Los=Loss, Vac=Vacuum	7-4 Ed2.1 (Draft)
5163	ZGEN.OpNoLod	Op=Operate, operating/Trip order to circuit-breaker, No=No, not, Lod=Load, loading	7-4 Ed2.1 (Draft)

5164	ZGEN.OpOvExt	Op=Operate, operating/Trip order to circuit-breaker, Ov=Over, override, overflow, Ext=Excitation/External	7-4 Ed2.1 (Draft)
5165	ZGEN.OpUnExt	Op=Operate, operating/Trip order to circuit-breaker, Un=Under, Ext=Excitation/External	7-4 Ed2.1 (Draft)
5166	ZGEN.PresAlm	Pres=Pressure, Alm=Alarm	7-4 Ed2.1 (Draft)
5167	ZGEN.RotDir	Rot=Rotation, rotor, Dir=Direction	7-4 Ed2.1 (Draft)
5168	ZGEN.VArL	VAr=Reactive power (volt amperes reactive), L=Lower (action)	7-4 Ed2.1 (Draft)
5169	ZGEN.VArR	VAr=Reactive power (volt amperes reactive), R=Raise, increase	7-4 Ed2.1 (Draft)
5170	ZGEN.VARtg	VA=Apparent power (volt amperes), Rtg=Rating	7-4 Ed2.1 (Draft)
5171	ZGEN.VRtg	V=Voltage, Rtg=Rating	7-4 Ed2.1 (Draft)
5172	ZGEN.WRtg	W=Active power, Rtg=Rating	7-4 Ed2.1 (Draft)
5173	ZGIL	Gas insulated line	7-4 Ed2
5174	ZINV	Inverter	7-420 Ed2
5175	ZINV.ACTyp	AC=AC, alternating current, Typ=Type	7-420 Ed2 (Draft)
5176	ZINV.AmbAirTmp	Amb=Ambient, Air=Air, Tmp=Temperature (°C)	7-420 Ed2 (Draft)
5177	ZINV.ClMthTyp	Cl=Cooling, coolant, cooling system (see also CE), Mth=Method, Typ=Type	7-420 Ed2 (Draft)
5178	ZINV.CmutSelf	False = Line commutated, True = Self commutated	7-420 Ed2 (Draft)
5179	ZINV.CurLev	sufficient current	7-420 Ed2 (Draft)
5180	ZINV.EnclTmp	Encl=Enclosure, Tmp=Temperature (°C)	7-420 Ed2 (Draft)
5181	ZINV.FanSpdVal	Tach or vane	7-420 Ed2 (Draft)
5182	ZINV.GriMod	Gri=Grid, Mod=Mode	7-420 Ed2 (Draft)
5183	ZINV.GriModSt	Gri=Grid, Mod=Mode, St=Status, state	7-420 Ed2 (Draft)
5184	ZINV.HeatSinkTmp	Alarm if over max	7-420 Ed2 (Draft)
5185	ZINV.InALim	In=Input, A=Current, Lim=Limit	7-420 Ed2 (Draft)
5186	ZINV.InVLim	In=Input, V=Voltage, Lim=Limit	7-420 Ed2 (Draft)
5187	ZINV.InvSwTyp	Inv=Inverter, inverted, inverse, Sw=Switch, switched, Typ=Type	7-420 Ed2 (Draft)
5188	ZINV.IsoTyp	Iso=Isolation, Typ=Type	7-420 Ed2 (Draft)
5189	ZINV.MaxVArRtg	Max=Maximum, VAr=Reactive power (volt amperes reactive), Rtg=Rating	7-420 Ed2 (Draft)
5190	ZINV.OutHzSet	Out=Output, Hz=Frequency, Set=Setting	7-420 Ed2 (Draft)
5191	ZINV.OutPFSet	Out=Output, PF=Power factor, Set=Setting	7-420 Ed2 (Draft)
5192	ZINV.OutVArSet	Out=Output, VAr=Reactive power (volt amperes reactive), Set=Setting	7-420 Ed2 (Draft)
5193	ZINV.OutWSet	Out=Output, W=Active power, Set=Setting	7-420 Ed2 (Draft)

5194	ZINV.PhACfg	Ph=Phase to reference, A=Current, Cfg=Configuration	7-420 Ed2 (Draft)
5195	ZINV.PhBCfg	see PhACfg for enumerated values	7-420 Ed2 (Draft)
5196	ZINV.PhCCfg	see PhACfg for enumerated values	7-420 Ed2 (Draft)
5197	ZINV.Stdby	stand-by active	7-420 Ed2 (Draft)
5198	ZINV.SwHz	Sw=Switch, switched, Hz=Frequency	7-420 Ed2 (Draft)
5199	ZINV.WRtg	W=Active power, Rtg=Rating	7-420 Ed2 (Draft)
5200	ZINV.WVArVLim	W=Active power, VAr=Reactive power (volt amperes reactive), V=Voltage, Lim=Limit	7-420 Ed2 (Draft)
5201	ZINV.WVArVLimSet	W=Active power, VAr=Reactive power (volt amperes reactive), V=Voltage, Lim=Limit, Set=Setting	7-420 Ed2 (Draft)
5202	ZLIN	Power overhead line	7-4 Ed2
5203	Zm	Mutual impedance	7-420 Ed2 (Draft)
5204	Zm	Mutual impedance	7-4 Ed2.1 (Draft)
5205	ZMOT	Motor	7-4 Ed2
5206	ZMOT.DExt	DExt=De-excitation	7-4 Ed2.1 (Draft)
5207	ZMOT.LosOil	Los=Loss, Oil=Oil	7-4 Ed2.1 (Draft)
5208	ZMOT.LosVac	Los=Loss, Vac=Vacuum	7-4 Ed2.1 (Draft)
5209	ZMOT.MotSt	Mot=Motor, St=Status, state	7-4 Ed2.1 (Draft)
5210	ZMOT.PresAlm	Pres=Pressure, Alm=Alarm	7-4 Ed2.1 (Draft)
5211	ZMOT.RotThmSt	Rot=Rotation, rotor, Thm=Thermal, St=Status, state	7-4 Ed2.1 (Draft)
5212	Zn	Zone	7-420 Ed2 (Draft)
5213	Zn	Zone	7-4 Ed2.1 (Draft)
5214	ZRCT	Rectifier	7-420 Ed2
5215	ZRCT.ACTyp	AC=AC, alternating current, Typ=Type	7-420 Ed2 (Draft)
5216	ZRCT.ClMthTyp	Cl=Cooling, coolant, cooling system (see also CE), Mth=Method, Typ=Type	7-420 Ed2 (Draft)
5217	ZRCT.CmutSelf	False = Line commutated, True = Self commutated	7-420 Ed2 (Draft)
5218	ZRCT.CnvTyp	Cnv=Converter, Typ=Type	7-420 Ed2 (Draft)
5219	ZRCT.InALim	In=Input, A=Current, Lim=Limit	7-420 Ed2 (Draft)
5220	ZRCT.InVLim	In=Input, V=Voltage, Lim=Limit	7-420 Ed2 (Draft)
5221	ZRCT.InWavTyp	In=Input, Wav=Wave, waveform, Typ=Type	7-420 Ed2 (Draft)
5222	ZRCT.IsoTyp	Iso=Isolation, Typ=Type	7-420 Ed2 (Draft)
5223	ZRCT.OutALim	Out=Output, A=Current, Lim=Limit	7-420 Ed2 (Draft)
5224	ZRCT.OutFilTyp	Out=Output, Fil=Filter, filtration system, Typ=Type	7-420 Ed2 (Draft)
5225	ZRCT.OutVSet	Out=Output, V=Voltage, Set=Setting	7-420 Ed2 (Draft)

5226	ZRCT.OutWSet	Out=Output, W=Active power, Set=Setting	7-420 Ed2 (Draft)
5227	ZRCT.VRegTyp	V=Voltage, Reg=Regulation, Typ=Type	7-420 Ed2 (Draft)
5228	ZREA	Reactor	7-4 Ed2
5229	ZREA.ARtg	A=Current, Rtg=Rating	7-4 Ed2.1 (Draft)
5230	ZREA.PwrRtg	Pwr=Power, Rtg=Rating	7-4 Ed2.1 (Draft)
5231	ZREA.VArRtg	VAr=Reactive power (volt amperes reactive), Rtg=Rating	7-4 Ed2.1 (Draft)
5232	ZREA.VRtg	V=Voltage, Rtg=Rating	7-4 Ed2.1 (Draft)
5233	ZRES	Resistor	7-4 Ed2
5234	ZRES	Neutral resistor	7-410 Ed1
5235	Zro	Zero sequence method	7-420 Ed2 (Draft)
5236	Zro	Zero sequence method	7-4 Ed2.1 (Draft)
5237	ZRRC	Rotating reactive component	7-4 Ed2
5238	ZRRC.GnCtl	Gn=Generator, Ctl=Control	7-4 Ed2.1 (Draft)
5239	ZRRC.GnSpd	Gn=Generator, Spd=Speed	7-4 Ed2.1 (Draft)
5240	ZRRC.GnSt	Gn=Generator, St=Status, state	7-4 Ed2.1 (Draft)
5241	ZSAR	Surge arrestor	7-4 Ed2
5242	ZSAR.OpCnt	Op=Operate, operating/Trip order to circuit-breaker, Cnt=Counter	7-4 Ed2.1 (Draft)
5243	ZSAR.OpSar	Op=Operate, operating/Trip order to circuit-breaker, Sar=Surge arrestor	7-4 Ed2.1 (Draft)
5244	ZSCR	Semi-conductor controlled rectifier	7-4 Ed2
5245	ZSCR	Semiconductor rectifier controller	7-410 Ed1
5246	ZSCR.Alm	Alm=Alarm	7-4 Ed2.1 (Draft)
5247	ZSCR.AmpSpt	Amp=Ampere, current non-phase-related AC, Spt=Setpoint	7-4 Ed2.1 (Draft)
5248	ZSCR.OpModRect	Op=Operate, operating/Trip order to circuit-breaker, Mod=Mode, Rect=Rectifier	7-4 Ed2.1 (Draft)
5249	ZSCR.SetA	Set=Setting, A=Current	7-4 Ed2.1 (Draft)
5250	ZSCR.SetV	Set=Setting, V=Voltage	7-4 Ed2.1 (Draft)
5251	ZSCR.VolSpt	Vol=Voltage non-phase-related AC, Spt=Setpoint	7-4 Ed2.1 (Draft)
5252	ZSMC	Synchronous machine	7-4 Ed2
5253	ZSMC	Synchronous machine	7-410 Ed1
5254	ZSMC.ARtg	A=Current, Rtg=Rating	7-4 Ed2.1 (Draft)
5255	ZSMC.BaseImp	Base=Base, Imp=Impedance non-phase-related AC	7-4 Ed2.1 (Draft)
5256	ZSMC.FldAmpRtg	Fld=Field, Amp=Ampere, current non-phase-related AC, Rtg=Rating	7-4 Ed2.1 (Draft)
5257	ZSMC.FldAmpRtgZer	Fld=Field, Amp=Ampere, current non-phase-related AC, Rtg=Rating, Zer=Zero	7-4 Ed2.1 (Draft)

5258	ZSMC.FldRis	Fld=Field, Ris=Resistance	7-4 Ed2.1 (Draft)
5259	ZSMC.FldRisTmp	Fld=Field, Ris=Resistance, Tmp=Temperature (°C)	7-4 Ed2.1 (Draft)
5260	ZSMC.Iner	Iner=Inertia	7-4 Ed2.1 (Draft)
5261	ZSMC.PFRtg	PF=Power factor, Rtg=Rating	7-4 Ed2.1 (Draft)
5262	ZSMC.RotDir	Rot=Rotation, rotor, Dir=Direction	7-4 Ed2.1 (Draft)
5263	ZSMC.SatCffS10	Sat=Saturation, Cff=Coefficient, S10=Coefficient S1.0	7-4 Ed2.1 (Draft)
5264	ZSMC.SatCffS12	Sat=Saturation, Cff=Coefficient, S12=Coefficient S1.2	7-4 Ed2.1 (Draft)
5265	ZSMC.SpdCrit	Spd=Speed, Crit=Critical	7-4 Ed2.1 (Draft)
5266	ZSMC.SpdRtg	Spd=Speed, Rtg=Rating	7-4 Ed2.1 (Draft)
5267	ZSMC.SttLeakX	Stt=Stator, Leak=Leakage, X=?	7-4 Ed2.1 (Draft)
5268	ZSMC.SttRis	Stt=Stator, Ris=Resistance	7-4 Ed2.1 (Draft)
5269	ZSMC.SttRisTmp	Stt=Stator, Ris=Resistance, Tmp=Temperature (°C)	7-4 Ed2.1 (Draft)
5270	ZSMC.TmTa	Tm=Time, Ta=Armature time constant	7-4 Ed2.1 (Draft)
5271	ZSMC.TmTd0p	Tm=Time, Td0p=Td0'	7-4 Ed2.1 (Draft)
5272	ZSMC.TmTd0s	Tm=Time, Td0s=Td0''	7-4 Ed2.1 (Draft)
5273	ZSMC.TmTdp	Tm=Time, Tdp=Td'	7-4 Ed2.1 (Draft)
5274	ZSMC.TmTds	Tm=Time, Tds=Td''	7-4 Ed2.1 (Draft)
5275	ZSMC.TmTq0p	Tm=Time, Tq0p=Tq0'	7-4 Ed2.1 (Draft)
5276	ZSMC.TmTq0s	Tm=Time, Tq0s=Tq0''	7-4 Ed2.1 (Draft)
5277	ZSMC.TmTqp	Tm=Time, Tqp=Tq'	7-4 Ed2.1 (Draft)
5278	ZSMC.TmTqs	Tm=Time, Tqs=Tq''	7-4 Ed2.1 (Draft)
5279	ZSMC.VARtg	VA=Apparent power (volt amperes), Rtg=Rating	7-4 Ed2.1 (Draft)
5280	ZSMC.VRtg	V=Voltage, Rtg=Rating	7-4 Ed2.1 (Draft)
5281	ZSMC.WRtg	W=Active power, Rtg=Rating	7-4 Ed2.1 (Draft)
5282	ZSMC.X0	X0=Zero sequence reactance	7-4 Ed2.1 (Draft)
5283	ZSMC.X2	X2=Negative sequence reactance X2	7-4 Ed2.1 (Draft)
5284	ZSMC.Xd	Xd=Synchronous reactance Xd	7-4 Ed2.1 (Draft)
5285	ZSMC.Xdp	Xdp=Transient synchronous reactance Xd'	7-4 Ed2.1 (Draft)
5286	ZSMC.Xds	Xds=Subtransient reactance Xd''	7-4 Ed2.1 (Draft)
5287	ZSMC.Xq	Xq=Synchronous reactance Xq	7-4 Ed2.1 (Draft)
5288	ZSMC.Xqp	Xqp=Transient synchronous reactance Xq'	7-4 Ed2.1 (Draft)
5289	ZSMC.Xqs	Xqs=Subtransient reactance Xq''	7-4 Ed2.1 (Draft)
5290	ZTCF	Thyristor controlled frequency converter	7-4 Ed2
5291	ZTCF.PwrHz	Pwr=Power, Hz=Frequency	7-4 Ed2.1 (Draft)
5292	ZTCR	Thyristor controlled reactive component	7-4 Ed2