Norwegian HAN spesification - OBIS List Information

Item	Description	Value	Remarks
A	File name	Aidon_V0001.xlsx	Filename : OBIS List identifier.xlsx . Format for publication is pdf.
B	List version - date	10.05.2016	DD.MM.YYYY
C	OBIS List version identifier	**AIDON_V0001**	Shall be identical to corresponding OBIS code value in the meter
D	Meter type	Aidon 65XX	1P 6515, 3P3W 6525, 3P4W 6534, 3P3W CT 6540, 3P4W CT 6550
E	Number of metering systems	1,2,3	(1,2,3)
F	Direct connected meter	Yes, No	
G	Current Transformer connected meter(CT-	Yes, No	
H	Voltage (V)	1x230, 3x230, 3x230/400	(1x 230, 3x230, 3x230/400)
I	Current Imax (A)	6, 100	(6, 80, 100 A) Imax on the meters nameplate
J	Baudrate M-BUS (HAN)	2400	
K	List 1 Stream out every	2.5 seconds	The value is measured between the messages
L	List 2 Stream out every	10 seconds	The values are measured between the messages
M	List 3 Stream out every	1 hour	The values are generated at XX:00:00 and streamed out from the HAN interface 10 second later (XX:00:10)
N	HAN maximum power to HEMS (mW)	700 mW	The largest power that the customer equipment (HEMS or display) can consume from the meter HAN interface
O	HAN maximum current to HEMS (mA)	30 mA	
xx	**Excel Template version**	**SF/22.04.2016**	**This line should be deleted before publishing**

Norwegian HAN spesification - OBIS Codes

OBIS List version identifier:			AIDON_V0001								
List number			OBIS Code - Group Value						Object name	Attributes		Item
1	2	3	A	B	C	D	E	F		Unit	Data type	Numb.
1			1	0	1	7	0	255	Active power+ (Q1+Q4)	kW	double-long-unsigned	1
	1	1	1	1	0	2	129	255	OBIS List version identifier		octet-String	2
	2	2	0	0	96	1	0	255	Meter -ID (GIAI GS1 -16 digit)		octet-String	3
	3	3	0	0	96	1	7	255	Meter type		octet-String	4
	4	4	1	0	1	7	0	255	Active power+ (Q1+Q4)	kW	double-long-unsigned	5
	5	5	1	0	2	7	0	255	Active power - (Q2+Q3)	kW	double-long-unsigned	6
	6	6	1	0	3	7	0	255	Reactive power + (Q1+Q2)	kVAr	double-long-unsigned	7
	7	7	1	0	4	7	0	255	Reactive power - (Q3+Q4)	kVAr	double-long-unsigned	8
	8	8	1	0	31	7	0	255	IL1 Current phase L1	A	long-signed	9
	9	9	1	0	51	7	0	255	IL2 Current phase L2	A	long-signed	10
	10	10	1	0	71	7	0	255	IL3 Current phase L3	A	long-signed	11
	11	11	1	0	32	7	0	255	UL1 Phase voltage 4W meter , Line voltage 3W meter	V	long-unsigned	12
	12	12	1	0	52	7	0	255	UL2 Phase voltage 4W meter , Line voltage 3W meter	V	long-unsigned	13
	13	13	1	0	72	7	0	255	UL3 Phase voltage 4W meter , Line voltage 3W meter	V	long-unsigned	14
		14	0	0	1	0	0	255	Clock and date in meter		octet-String	15
		15	1	0	1	8	0	255	Cumulative hourly active import energy (A+) (Q1+Q4)	kWh	double-long-unsigned	16
		16	1	0	2	8	0	255	Cumulative hourly active export energy (A-)(Q2+Q3)	kWh	double-long-unsigned	17
		17	1	0	3	8	0	255	Cumulative hourly reactive import energy (R+) (Q1+Q2)	kVArh	double-long-unsigned	18
		18	1	0	4	8	0	255	Cumulative hourly reactive export energy (R-) (Q3+Q4)	kVArh	double-long-unsigned	19

Norwegian HAN spesification - OBIS Codes

Item Number	Long description OBIS Code
1	Active power in import direction, with resolution of W, Format 4.3 (xxxx,xxx kW)
2	Version number of this OBIS list to track the changes
3	Serial number of the meter point:16 digits 9999999999999999
4	Type number of the meter: "6515 , 6525, 6534, 6540, 6550"
5	Active power in import direction, with resolution of W, Format 4.3 (xxxx,xxx kW)
6	Active power in export direction, with resolution of W, Format 4.3 (xxxx,xxx kW)
7	Reactive power in import direction with resolution of VAr, Format 4.3 (xxxx,xxx kVAr)
8	Reactive power in export direction, with resolution of VAr, Format 4.3 (xxxx,xxx kVAr)
9	0,5 second RMS current L1, with resolution of 0.1 A, Format 3.2 (xxx.x A) (3P3W Current between L1 and L2 and part from current between L1 and L
10	0,5 second RMS current L2, with resolution of 0.1 A, Format 3.2(xxx.x A) (3P3W 0 A)
11	0,5 second RMS current L3, with resolution of 0.1 A, Format 3.2 (xxx.x A) (3P3W Current between L2 and L3 and part from current between L1 and L
12	0,5 second RMS voltage L1, with resolution of 0.1 V, Format 3.1 (xxx.x V) (3P3W Line voltage L1-L2)
13	0,5 second RMS voltage L2, with resolution of 0.1 V, Format 3.1 (xxx.x V) (3P3W Line voltage L1-L3)
14	0,5 second RMS voltage L3, with resolution of 0.1 V, Format 3.1 (xxx.x V) (3P3W Line voltage L2-L3)
15	Local date and time of Norway
16	Active energy import, with resolution of 10 Wh, Format 7.2 (xxxxxxx.xx kWh)
17	Active energy export, with resolution of 10 Wh, Format 7.2 (xxxxxxx.xx kWh)
18	Reactive Energy import, with resolution of 10 Varh, Format 7.2 (xxxxxxx.xx kVArh)
19	Reactive Energy export, with resolution of 10 Varh, Format 7.2 (xxxxxxx.xx kVArh)