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MP150 'Removing Table 28c from the GBCS'

Annex A

Legal text – version 1.0

About this document

This document contains the redlined changes to the SEC that would be required to deliver this Modification Proposal.

These changes have been redlined against Schedule 8 version 4.0.

These changes will be applied to versions 3.n (if an uplift to the version 3 series occurs in the given release) and 4.n.

Amend Annex 7 as follows:

28 Annex 7 – Data Item Values to be set prior to installation of Devices

Tables 28a and 28b lists data items and values that shall be configured in ESME prior to installation.

ESME shall also be configured prior to installation to give effect to the settings in Table~~s 28c and~~ 28d.

The values in Tables 28a and 28b, that relate to 'Randomised Offset Limit', shall be configured in SAPC prior to installation.

Where an SAPC supports the functionality associated with a row in Tables 28a, 28b~~, 28c~~ or 28d, the SAPC shall be configured according to those rows prior to installation.

Amend Table 28a as follows:

Device	Data Item	Reference	Value	Notes
ESME (all variants)	Maximum Meter Balance Threshold	SMETS 5.7.4.27	300,000,000 millipence	~~NA~~
ESME (all variants)	Randomised Offset Limit	SMETS 5.7.4.33	600 seconds	The Randomised Offset Is the product of the Randomised Offset Limit(5.7.4.33) and the Randomised Offset Number(5.7.1.5) rounded to the nearest second. This value is used to delay the Tariff Switching Table times and the Auxiliary Controller switching times.
ESME (all variants)	RMS Extreme Over Voltage Threshold	SMETS 5.7.4.35	265.0 volts	GBCS Use Cases specify a resolution to tenths of volts
ESME (all variants)	RMS Extreme Over Voltage Measurement Period	SMETS 5.7.4.34	180 seconds	~~NA~~

Device	Data Item	Reference	Value	Notes
ESME (all variants)	RMS Extreme Under Voltage Threshold	SMETS 5.7.4.37	190.0 volts	~~NA~~
ESME (all variants)	RMS Extreme Under Voltage Measurement Period	SMETS 5.7.4.36	180 seconds	~~NA~~
ESME (all variants)	RMS Voltage Sag Threshold	SMETS 5.7.4.40	190.0 volts	~~NA~~
ESME (all variants)	RMS Voltage Sag Measurement Period	SMETS 5.7.4.38	180 seconds	~~NA~~
ESME (all variants)	RMS Voltage Swell Threshold	SMETS 5.7.4.41	265.0 volts	~~NA~~
ESME (all variants)	RMS Voltage Swell Measurement Period	SMETS 5.7.4.39	180 seconds	~~NA~~
ESME (all variants)	(Phase[1]) Average RMS Voltage Measurement Period	SMETS 5.7.4.6 (5.19.1.3)	1800 seconds	~~NA~~
ESME (all variants)	(Phase[1]) Average RMS Under Voltage Threshold	SMETS 5.7.4.5 (5.19.1.2)	212.0 volts	~~NA~~
ESME (all variants)	(Phase[1]) Average RMS Over Voltage Threshold	SMETS 5.7.4.4 (5.19.1.1)	258.0 volts	~~NA~~
Polyphase ESME	Phase[2] Average RMS Voltage Measurement Period	SMETS 5.19.1.3	1800 seconds	~~NA~~
Polyphase ESME	Phase[2] Average RMS Under Voltage Threshold	SMETS 5.19.1.2	212.0 volts	~~NA~~
Polyphase ESME	Phase[2] Average RMS Over Voltage Threshold	SMETS 5.19.1.1	258.0 volts	~~NA~~
Polyphase ESME	Phase[3] Average RMS Voltage Measurement Period	SMETS 5.19.1.3	1800 seconds	~~NA~~
Polyphase ESME	Phase[3] Average RMS Under Voltage Threshold	SMETS 5.19.1.2	212.0 volts	~~NA~~

Device	Data Item	Reference	Value	Notes
Polyphase ESME	Phase[3] Average RMS Over Voltage Threshold	SMETS 5.19.1.1	258.0 volts	~~NA~~
ESME (all variants)	Maximum Demand Configurable Time Period: - start time	SMETS 5.7.4.26	16:00 in hh:mm	
ESME (all variants)	Maximum Demand Configurable Time Period:- end time	SMETS 5.7.4.26	20:00 in hh:mm	

Table 28a: Data items and values to be configured prior to installation of Devices

Delete Table 28c as follows:

~~Event / Alert Code~~	~~Event / Alert Code Meaning~~	~~Default Configuration - Send WAN Alert Y = Send Alert N = Do not send Alert~~	~~Default Configuration - Store Alert in Power Event Log Y = Store in log N = Do not store in log~~
~~0x8002~~	~~Average RMS Voltage above Average RMS Over Voltage Threshold (current value above threshold; previous value below threshold)~~	~~Y~~	~~Y~~
~~0x8003~~	~~Average RMS Voltage above Average RMS Over Voltage Threshold on Phase 1 (current value above threshold; previous value below threshold)~~	~~Y~~	~~Y~~
~~0x8004~~	~~Average RMS Voltage above Average RMS Over Voltage Threshold on Phase 2 (current value above threshold; previous value below threshold)~~	~~Y~~	~~Y~~
~~0x8005~~	~~Average RMS Voltage above Average RMS Over Voltage Threshold on Phase 3 (current value above threshold; previous value below threshold)~~	~~Y~~	~~Y~~
~~0x8006~~	~~Average RMS Voltage below Average RMS Under Voltage Threshold (current value below threshold; previous value above threshold)~~	~~Y~~	~~Y~~
~~0x8007~~	~~Average RMS Voltage below Average RMS Under Voltage Threshold on Phase 1 (current value below threshold; previous value above threshold)~~	~~Y~~	~~Y~~
~~0x8008~~	~~Average RMS Voltage below Average RMS Under Voltage Threshold on Phase 2 (current value below threshold; previous value above threshold)~~	~~Y~~	~~Y~~
~~0x8009~~	~~Average RMS Voltage below Average RMS Under Voltage Threshold on Phase 3 (current value below threshold; previous value above threshold)~~	~~Y~~	~~Y~~

Event / Alert Code	Event / Alert Code Meaning	Default Configuration – Send WAN Alert Y = Send Alert N = Do not send Alert	Default Configuration – Store Alert in Power Event Log Y = Store in log N = Do not store in log
0x8020	RMS Voltage above Extreme Over Voltage Threshold (voltage rises above for longer than the configurable period)	Y	Y
0x8021	RMS Voltage above Extreme Over Voltage Threshold on Phase 1 (voltage rises above for longer than the configurable period)	Y	Y
0x8022	RMS Voltage above Extreme Over Voltage Threshold on Phase 2 (voltage rises above for longer than the configurable period)	Y	Y
0x8023	RMS Voltage above Extreme Over Voltage Threshold on Phase 3 (voltage rises above for longer than the configurable period)	Y	Y
0x8024	RMS Voltage above Voltage Swell Threshold (voltage rises above for longer than the configurable period)	N	N
0x8025	RMS Voltage above Voltage Swell Threshold on Phase 1 (voltage rises above for longer than the configurable period)	N	N
0x8026	RMS Voltage above Voltage Swell Threshold on Phase 2 (voltage rises above for longer than the configurable period)	N	N
0x8027	RMS Voltage above Voltage Swell Threshold on Phase 3 (voltage rises above for longer than the configurable period)	N	N
0x8028	RMS Voltage below Extreme Under Voltage Threshold (voltage falls below for longer than the configurable period)	Y	Y
0x8029	RMS Voltage below Extreme Under Voltage Threshold on Phase 1 (voltage falls below for longer than the configurable period)	Y	Y
0x802A	RMS Voltage below Extreme Under Voltage Threshold on Phase 2 (voltage falls below for longer than the configurable period)	Y	Y
0x802B	RMS Voltage below Extreme Under Voltage Threshold on Phase 3 (voltage falls below for longer than the configurable period)	Y	Y
0x802C	RMS Voltage below Voltage Sag Threshold (voltage falls below for longer than the configurable period)	N	N
0x802D	RMS Voltage below Voltage Sag Threshold on Phase 1 (voltage falls below for longer than the configurable period)	N	N
0x802E	RMS Voltage below Voltage Sag Threshold on Phase 2 (voltage falls below for longer than the configurable period)	N	N

~~Event / Alert Code~~	~~Event / Alert Code Meaning~~	~~Default Configuration – Send WAN Alert Y = Send Alert N = Do not send Alert~~	~~Default Configuration – Store Alert in Power Event Log Y = Store in log N = Do not store in log~~
~~0x802F~~	~~RMS Voltage below Voltage Sag Threshold on Phase 3 (voltage falls below for longer than the configurable period)~~	~~N~~	~~N~~
~~0x8085~~	~~Average RMS Voltage below Average RMS Over Voltage Threshold (current value below threshold; previous value above threshold)~~	~~Y~~	~~Y~~
~~0x8086~~	~~Average RMS Voltage below Average RMS Over Voltage Threshold on Phase 1 (current value below threshold; previous value above threshold)~~	~~Y~~	~~Y~~
~~0x8087~~	~~Average RMS Voltage below Average RMS Over Voltage Threshold on Phase 2 (current value below threshold; previous value above threshold)~~	~~Y~~	~~Y~~
~~0x8088~~	~~Average RMS Voltage below Average RMS Over Voltage Threshold on Phase 3 (current value below threshold; previous value above threshold)~~	~~Y~~	~~Y~~
~~0x8089~~	~~Average RMS Voltage above Average RMS Under Voltage Threshold (current value above threshold; previous value below threshold)~~	~~Y~~	~~Y~~
~~0x808A~~	~~Average RMS Voltage above Average RMS Under Voltage Threshold on Phase 1 (current value above threshold; previous value below threshold)~~	~~Y~~	~~Y~~
~~0x808B~~	~~Average RMS Voltage above Average RMS Under Voltage Threshold on Phase 2 (current value above threshold; previous value below threshold)~~	~~Y~~	~~Y~~
~~0x808C~~	~~Average RMS Voltage above Average RMS Under Voltage Threshold on Phase 3 (current value above threshold; previous value below threshold)~~	~~Y~~	~~Y~~
~~0x808D~~	~~RMS Voltage above Extreme Over Voltage Threshold (voltage returns below for longer than the configurable period)~~	~~Y~~	~~Y~~
~~0x808E~~	~~RMS Voltage above Extreme Over Voltage Threshold on Phase 1 (voltage returns below for longer than the configurable period)~~	~~Y~~	~~Y~~
~~0x808F~~	~~RMS Voltage above Extreme Over Voltage Threshold on Phase 2 (voltage returns below for longer than the configurable period)~~	~~Y~~	~~Y~~
~~0x8090~~	~~RMS Voltage above Extreme Over Voltage Threshold on Phase 3 (voltage returns below for longer than the configurable period)~~	~~Y~~	~~Y~~
~~0x8091~~	~~RMS Voltage above Voltage Swell Threshold (voltage returns below for longer than the configurable period)~~	~~N~~	~~N~~

~~Event / Alert Code~~	~~Event / Alert Code Meaning~~	~~Default Configuration – Send WAN Alert Y = Send Alert N = Do not send Alert~~	~~Default Configuration – Store Alert in Power Event Log Y = Store in log N = Do not store in log~~
~~0x8092~~	~~RMS Voltage above Voltage Swell Threshold on Phase 1 (voltage returns below for longer than the configurable period)~~	~~N~~	~~N~~
~~0x8093~~	~~RMS Voltage above Voltage Swell Threshold on Phase 2 (voltage returns below for longer than the configurable period)~~	~~N~~	~~N~~
~~0x8094~~	~~RMS Voltage above Voltage Swell Threshold on Phase 3 (voltage returns below for longer than the configurable period)~~	~~N~~	~~N~~
~~0x8095~~	~~RMS Voltage below Extreme Under Voltage Threshold (voltage returns above for longer than the configurable period)~~	~~Y~~	~~Y~~
~~0x8096~~	~~RMS Voltage below Extreme Under Voltage Threshold on Phase 1 (voltage returns above for longer than the configurable period)~~	~~Y~~	~~Y~~
~~0x8097~~	~~RMS Voltage below Extreme Under Voltage Threshold on Phase 2 (voltage returns above for longer than the configurable period)~~	~~Y~~	~~Y~~
~~0x8098~~	~~RMS Voltage below Extreme Under Voltage Threshold on Phase 3 (voltage returns above for longer than the configurable period)~~	~~Y~~	~~Y~~
~~0x8099~~	~~RMS Voltage below Voltage Sag Threshold (voltage returns above for longer than the configurable period)~~	~~N~~	~~N~~
~~0x809A~~	~~RMS Voltage below Voltage Sag Threshold on Phase 1 (voltage returns above for longer than the configurable period)~~	~~N~~	~~N~~
~~0x809B~~	~~RMS Voltage below Voltage Sag Threshold on Phase 2 (voltage returns above for longer than the configurable period)~~	~~N~~	~~N~~
~~0x809C~~	~~RMS Voltage below Voltage Sag Threshold on Phase 3 (voltage returns above for longer than the configurable period)~~	~~N~~	~~N~~
~~0x8010~~	~~Over Current~~	~~N~~	~~N~~
~~0x8011~~	~~Over Current L1~~	~~N~~	~~N~~
~~0x8016~~	~~Over Current L2~~	~~N~~	~~N~~
~~0x8013~~	~~Over Current L3~~	~~N~~	~~N~~

~~Event / Alert Code~~	~~Event / Alert Code Meaning~~	~~Default Configuration – Send WAN Alert~~ ~~Y = Send Alert~~ ~~N = Do not send Alert~~	~~Default Configuration – Store Alert in Power Event Log~~ ~~Y = Store in log~~ ~~N = Do not store in log~~
~~0x8014~~	~~Power Factor Threshold Below~~	~~N~~	~~N~~
~~0x8015~~	~~Power Factor Threshold Ok~~	~~N~~	~~N~~

Table 28c: ~~WAN Alert and Power Event Log settings to be configured prior to installation of Devices~~This table is not used.