

DCC Guidance Note

SMETS1 (Instant Energy) DCC Retry and Timeout Configuration – UIT and Production



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Author:	DCC
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1.1 DCC Retry and Timeout Configuration

This Guidance Note provides the current settings for DCC Retry and Timeout configuration in the UIT and Production environments for the Instant Energy SMETS1 Service Provider.

This information should be read in conjunction with the DCC Guidance Note for Use of DUIS Retry and Timeout Guidance, which contains details of how this configuration is used.

1.2 Default Configuration

There is a default set of values (which themselves are configurable) which are applied to all Service Reference Variants where no specific configuration is applied. The default set of values are as follows (All time values are in seconds):

SRV	Device Type	Retry Interval	Retry Timeout	Retries	Notes
All	All (Excl. GSME)	60:60:60	320	3	Default
All	GSME	60:60:60	3780	3	Default

1.3 SRV Specific Configuration

The SRV specific configuration for DCC Retry and Timeout configuration in the UIT and Production environments is shown in the table below. All time values are in seconds.

Note that some SRVs are subject to a 24 hour Target Response Time in all modes of operation (including On Demand). These SRVs are shown below with a Retry Timeout of 86400 seconds.

Please also note that timeout values shown here are required to support the worst case or largest possible message scenarios. Normal or “average” message scenarios may complete *successfully* well within these timeouts. However all *failure* conditions will always run to completion of the full timeout values, regardless of message size.

SRV	Device Type	Retry Interval	Retry Timeout	Retries	Notes
1.1.1	ESME	40:40:40	900	3	Timings must support the largest possible Tariff

SRV	Device Type	Retry Interval	Retry Timeout	Retries	Notes
1.1.1	GSME	60:60:60	3780	3	
1.2.1	ESME	120:120:120	86400	3	Repeated every 2 hours
1.2.1	GSME	120:120:120	86400	3	Repeated every 2 hours
1.5	All (Excl. GSME)	0	600	0	Currently 1 attempt permitted. No Retry
1.5	GSME	0	3780	0	Currently 1 attempt permitted. No Retry
1.6	All (Excl. GSME)	60:60:60	900	3	
1.6	GSME	60:60:60	7800	3	
2.1	All (Excl. GSME)	40:40:40	600	3	
2.1	GSME	40:40:40	3900	3	
2.2	ALL(Excl. GSME)	60:60:60	900	3	
2.2	GSME	60:60:60	3780	3	
2.3	GSME	60:60:60	3780	3	
2.5	GSME	60:60:60	3780	3	
3.2	All (Excl. GSME)	40:40:40	600	3	
3.2	GSME	40:40:40	3780	3	
3.3	GSME	60:60:60	3780	3	
4.1.1	ESME	60:60:60	600	3	
4.1.1	GSME	60:60:60	3780	3	

SRV	Device Type	Retry Interval	Retry Timeout	Retries	Notes
4.1.2	GSME	60:60:60	3780	3	
4.1.4	GSME	60:60:60	3780	3	
4.3	All (Excl. GSME)	40:40:40	600	3	
4.3	GSME	40:40:40	3780	3	
4.4.2	ALL	60:60:60	320	3	
4.4.2	GSME	60:60:60	3780	3	
4.4.3	ALL	60:60:60	320	3	
4.4.3	GSME	60:60:60	3780	3	
4.4.4	GSME	60:60:60	3780	3	
4.4.5	GSME	60:60:60	3780	3	
4.6.1	ESME	40:40:40	600	3	
4.6.1	GSME	40:40:40	3780	3	
4.8.1	GSME	40:40:40	5600	3	
4.8.1	ESME	40:40:40	5600	3	
4.8.2	ESME	40:40:40	1040	3	
4.8.3	ESME	40:40:40	1400	3	
4.10	ESME	40:40:40	2600	3	
4.10	GSME	60 :60 :60	3780	3	
4.11.1	ESME	60:60:60	600	3	

SRV	Device Type	Retry Interval	Retry Timeout	Retries	Notes
4.11.1	GSME	60:60:60	3780	3	
4.13	GSME	60:60:60	3780	3	
4.15	All	40:40:40	86400	3	Repeated every 2 hours
4.18	ALL (Excl. GSME)	60:60:60	900	3	
4.18	GSME	60:60:60	3780	3	
6.2.3	GSME	60:60:60	3780	3	
6.2.4	GSME	60:60:60	3780	3	
6.2.8	GSME	60:60:60	3780	3	
6.2.9	GSME	60:60:60	3780	3	
6.4.1	All	40:40:40	600	3	
6.4.2	All	40:40:40	600	3	
6.6	GSME	60:60:60	86400	3	Repeated every 2 hours
6.7	GSME	60:60:60	86400	3	Repeated every 2 hours
6.8	All (Excl. GSME)	40:40:40	600	3	
6.8	GSME	40:40:40	3780	3	
6.11	GSME	60:60:60	3780	3	
6.12	All	40:40:40	600	3	
6.13	GSME	60:60:60	3780	3	

SRV	Device Type	Retry Interval	Retry Timeout	Retries	Notes
6.15.1	ALL		1200		No S1SP retry as not sent to Devices
6.15.1	GSME		3780		No S1SP retry as not sent to Devices
6.21	ALL		600		No S1SP retry as not sent to Devices
6.21	GSME		3780		No S1SP retry as not sent to Devices
6.23	ALL		1200		No S1SP retry as not sent to Devices
6.23	GSME		3780		No S1SP retry as not sent to Devices
6.24.1	GSME		3780		No S1SP retry as not sent to Devices
6.25	All	40:40:40	600	3	
7.2	GSME	60:60:60	3780	3	
7.3	GSME	60:60:60	3780	3	
7.4	GSME	60:60:60	3780	3	
8.1.1	GSME	60:60:60	3780	3	
8.7.1	ALL	300	310	1	
8.7.1	GSME	300	3780	1	
8.7.2	ESME	300	310	1	
8.7.2	GSME	300	3780	1	
8.8.1	GSME	60:60:60	3780	3	
8.8.2	GSME	60:60:60	3780	3	

SRV	Device Type	Retry Interval	Retry Timeout	Retries	Notes
8.9	GSME	60:60:60	3780	3	
8.11	All	120:120:120	360	3	Note that this is the Retry Interval and Timeout for delivery of the 8.11 Request to the CHF. It is not the timeout for the target device to join to the CHF.
11.2	ALL	60:60:60	600	3	
11.2	GSME	60:60:60	3780	3	
11.3	All	60:60:60	864010	3	Sufficient time must be allowed for distribution and the activation of the new firmware. There is only one timeout value which is used for all devices and therefore this timeout must cover the worst-case scenario.

Appendix –Document Control

Revision History

Revision Date	Summary of Changes	Version Number
10/04/20	First version for combined SMETS2 and SMETS1 documentation release. Aligned to previously published document – General guidance on SMETS1 DCC Retry and Timeouts for Service Request Processing-v1.5	1.1