

DCC Guidance Note

SMETS1 (Trilliant) DCC Retry and Timeout Configuration – UIT and Production



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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 Trilliant 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	ESME	60:60:60	600	3	
1.5	GSME	120:120:120	3780	3	
1.6	ESME	60:60:60	900	3	
1.6	GSME	60:60:60	7800	3	
2.1	ESME	40:40:40	600	3	
2.1	GSME	40:40:40	3900	3	
2.2	ESME	60:60:60	900	3	
2.2	GSME	60:60:60	3780	3	
2.3	ESME	60:60:60	320	3	
2.3	GSME	60:60:60	3780	3	
2.5	ESME	60:60:60	320	3	
2.5	GSME	60:60:60	3780	3	
3.2	ESME, GPF	40:40:40	600	3	
3.3	ESME, GPF	60:60:60	320	3	
3.3	GSME	60:60:60	3780	3	

SRV	Device Type	Retry Interval	Retry Timeout	Retries	Notes
4.1.1	ESME, GPF	60:60:60	600	3	
4.1.1	GSME	60:60:60	3780	3	
4.1.2	ESME, GPF	60:60:60	320	3	
4.1.2	GSME	60:60:60	3780	3	
4.1.3	ESME	60:60:60	320	3	
4.1.4	GPF	60:60:50	320	3	
4.1.4	GSME	60:60:60	3780	3	
4.2	ESME	60:60:60	320	3	
4.3	ESME GPF	40:40:40	600	3	
4.3	GSME	40:40:40	3780	3	
4.4.2	ESME	60:60:60	320	3	
4.4.2	GPF	60:60:60	12540	3	SRV4.4.2 to GPF is sent to the GSME requiring longer timeout
4.4.2	GSME	60:60:60	12540	3	Longer timeout required in S1SP to retrieve the read log from the GSME
4.4.3	GPF	60:60:60	12540	3	SRV4.4.3 to GPF is sent to the GSME requiring longer timeout
4.4.3	ESME	60:60:60	320	3	
4.4.3	GSME	60:60:60	12540	3	Longer timeout required in S1SP to retrieve the read log from the GSME
4.4.4	ESME GPF	60:60:60	320	3	

SRV	Device Type	Retry Interval	Retry Timeout	Retries	Notes
4.4.4	GSME	60:60:60	3780	3	
4.4.5	ESME GPF	60:60:60	320	3	
4.4.5	GSME	60:60:60	3780	3	
4.6.1	ESME	40:40:40	600	3	
4.6.1	GPF	60:60:60	320	3	
4.6.1	GSME	60:60:60	3780	3	
4.8.1	GSME GPF	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	
4.11.1	GPF	60:60:60	320	3	
4.11.1	GSME	60:60:60	3780	3	
4.13	ESME GPF	60:60:60	320	3	
4.13	GSME	60:60:60	3780	3	
4.15	ESME	40:40:40	86400	3	Repeated every 2 hours

SRV	Device Type	Retry Interval	Retry Timeout	Retries	Notes
4.16	ESME	60:60:60	320	3	
4.18	ESME GPF	60:60:60	900	3	
4.18	GSME	60:60:60	3780	3	
6.2.1	ESME	60:60:60	320	3	
6.2.3	ESME GPF	60:60:60	320	3	
6.2.3	GSME	60:60:60	3780	3	
6.2.4	ESME CHF	60:60:60	320	3	
6.2.4	GSME	60:60:60	3780	3	
6.2.5	ESME	60:60:60	320	3	
6.2.8	GSME	60:60:60	3780	3	
6.2.9	ESME	60:60:60	320	3	
6.2.9	GSME	60:60:60	3780	3	
6.4.1	ESME	40:40:40	600	3	
6.4.2	ESME	40:40:40	600	3	
6.5	ESME	60:60:60	320	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	ESME	40:40:40	600	3	

SRV	Device Type	Retry Interval	Retry Timeout	Retries	Notes
6.8	GSME	40:40:40	3780	3	
6.11	ESME	60:60:60	320	3	
6.11	GSME	60:60:60	3780	3	
6.12	ESME	40:40:40	600	3	
6.13	ESME CHF GPF	60:60:60	320	3	
6.13	GSME	60:60:60	3780	3	
6.15.1	ESME GPF		1200		No S1SP retry as not sent to Devices
6.15.1	GSME		3780		No S1SP retry as not sent to Devices
6.21	ESME GPF		600		No S1SP retry as not sent to Devices
6.21	GSME		3780		No S1SP retry as not sent to Devices
6.23	ESME GPF		1200		No S1SP retry as not sent to Devices
6.23	GSME		3780		No S1SP retry as not sent to Devices
6.24.1	ESME GPF		320		No S1SP retry as not sent to Devices
6.24.1	GSME		3780		No S1SP retry as not sent to Devices
6.25	ESME	40:40:40	600	3	
7.1	ESME	60:60:60	320	3	
7.2	ESME	60:60:60	320	3	
7.2	GSME	60:60:60	3780	3	

SRV	Device Type	Retry Interval	Retry Timeout	Retries	Notes
7.3	ESME	60;60:60	320	3	
7.3	GSME	60:60:60	3780	3	
7.4	ESME GPF	60;60:60	320	3	
7.4	GSME	60:60:60	3780	3	
8.1.1	ESME	60;60:60	320	3	
8.1.1	GSME	60:60:60	3780	3	
8.7.1	ESME	300	310	1	
8.7.1	GSME	300	3780	1	
8.7.2	ESME GPF PPMID	300	310	1	
8.7.2	GSME	300	3780	1	
8.8.1	GSME	60:60:60	3780	3	
8.8.2	ESME GPF PPMID	60;60:60	320	3	
8.8.2	GSME	60:60:60	3780	3	
8.9	ESME CHF GPF	60:60:60	320	3	
8.9	GSME	60:60:60	3780	3	
8.11	CHF	N/A	N/A	N/A	8.11 Add has a defect in Release 1 so this SRV cannot be run other than as part of Migration. This will be

SRV	Device Type	Retry Interval	Retry Timeout	Retries	Notes
					updated as part of uplift 1.2 in May 2021
11.2	ESME CHF GPF	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.

1.4 DSP Future Dated and DSP Scheduled SRV's

DSP Future Dated and DSP Scheduled SRV's are subject to long retry with a 24 hour timeout and short retry configuration repeated every 2 hours. The Trilliant S1SP currently does not support long retry for DSP Scheduled or DSP Future dated SRV's. This defect will be addressed in a future release.

Appendix –Document Control

Revision History

Revision Date	Summary of Changes	Version Number
27/01/21	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	1.0