

MP208 ‘Northbound Prioritisation of N56 Alerts’

Business requirements – version 0.1

About this document

This document contains the business requirements that support the solution for this Modification Proposal. It sets out the requirements along with any assumptions and considerations. The Data Communications Company (DCC) will use this information to provide an assessment of the requirements that help shape the complete solution.

1. Business requirements

This section contains the functional business requirements. Based on these requirements a full solution will be developed.

Business Requirements	
Ref.	Requirement
1	To ensure the N56 Alert is not delayed in the Northbound pathway from Smart Metering Equipment Technical Specification (SMETS)1 Service Provider (S1SP) to Supplier.

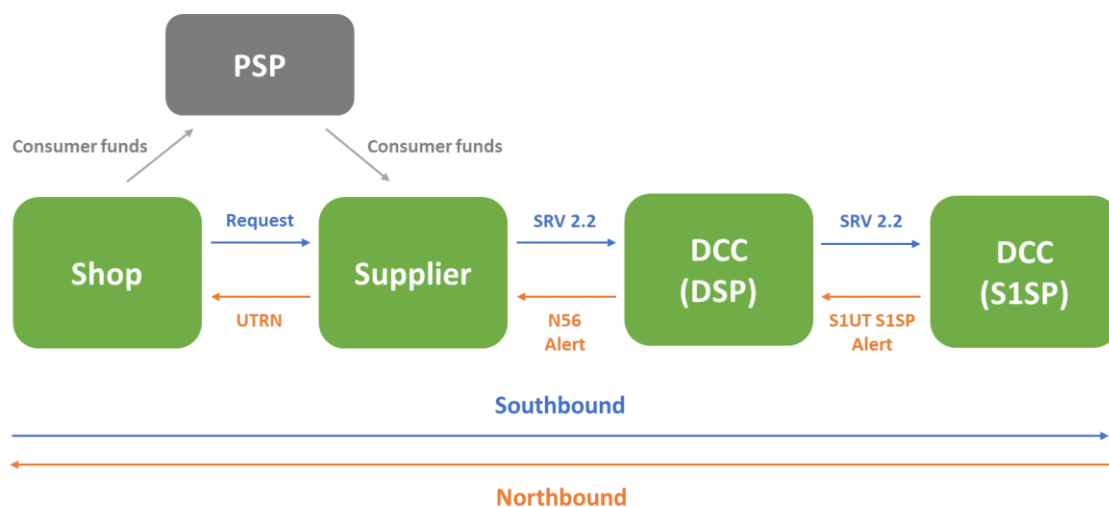
2. Considerations and assumptions

This section contains the considerations and assumptions for each business requirement.

2.1 General

This solution will be applied to SMETS1 Devices only.

When a consumer attempts to purchase a Prepayment Meter top up from a shop, the process follows the below pathway:



When SRV 2.2 'Top Up Device' is generated, the Payment Service Provider (PSP), which is not a Smart Energy Code (SEC) Party, 'holds' the consumer funds in preparation to transfer to the Supplier. The N56 Alert contains the Unique Transaction Reference Number (UTRN). Receipt of the UTRN by the shop till is the endpoint of the process and allows the PSP to transfer the consumer funds to the Supplier. If the entire process is not completed within 30 seconds, the transaction times out. The top up will not be successful and the funds used by the consumer in the attempt will be released back to the consumer by the PSP. However, this release may take several days to clear.

2.2 Requirement 1: To ensure the N56 Alert is not delayed in the Northbound pathway from S1SP to Supplier.

SEC Appendix E 'DCC User Interface Services Schedule' gives the Target Response Time (TRT) for SRV 2.2 'Top Up Device' as 16 seconds. If this TRT is met, the overall process should be completed within the 30 seconds necessary to succeed. This requirement seeks to ensure the time taken for the Northbound part of the process pathway allows the TRT to be met.

3. Glossary

This table lists all the acronyms used in this document and the full term they are an abbreviation for.

Glossary	
Acronym	Full term
DCC	Data Communications Company
PSP	Payment Service Provider
S1SP	SMETS1 Service Provider
SEC	Smart Energy Code
SMETS	Smart Metering Equipment Technical Specification
SRV	Service Reference Variant
TRT	Target Response Time
UTRN	Unique Transaction Reference Number