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Paper Reference:	SECP_77_1402_15
Action:	For Decision

DP106 progression

1. Purpose

Draft Proposal [DP106 'CHISM update for Unknown WAN Variant'](#) is ready to be converted to a Modification Proposal. We are recommending that this modification be progressed to the Refinement Process. This paper sets out our proposed approach for progressing this modification for the Panel's approval.

The draft Modification Report setting out the detail of the modification can be found in Appendix A.

2. Summary of the issue

For a Data Communications Company (DCC) User to obtain a Smart Metering Wide Area Network (SM WAN), they must send Service Request 12.1 'Request WAN Matrix'. The Data Service Provider (DSP) will then provide an Availability Date and WAN Variant in response. WAN Variants are listed in Table 3 of SEC Appendix I 'Communications Hub Installation and Maintenance Support Materials (CHISM)' Annex E. In the exception case where the Availability Date for SM WAN Coverage is known, but the WAN Variant is not, with the implementation of [MP081 'Alignment of DUIS and CHISM to reflect current DCC Processing'](#), the DSP will return " " (Space) for the South and Central regions.

As a result of the agreed solution of MP081, the response " " (Space) has been highlighted as a potential cause of confusion for the customer.

3. Proposed progression

The Change Sub-Committee (CSC) has agreed that this Draft Proposal is ready to be converted to a Modification Proposal. We believe that this modification should be progressed to the Refinement Process to allow for the development and assessment of a solution to the agreed issue.

Work package and timetable

As the proposed solution requires amendments to the current Communications Service Provider (CSP) systems, we believe that this modification should be progressed to the Refinement Process so a full set of business requirements can be developed, and the impact assessments required can be performed by the DCC.

Due to the significant number of DCC Assessments currently being progressed, we recommend the Preliminary Assessment is delayed until April, to allow the current Assessments to be completed first.

Activity	Date
Agree business requirements with the Proposer and DCC	Late Feb 20
Publish business requirements on the SEC Website and open these for industry comment	Early Mar 20
Request Preliminary Assessment	Early Apr 20
Discuss at the May Working Group meeting	6 May 20
Update Panel on progress	15 May 20

Areas of assessment

We do not believe there are any further questions that need to be considered in addition to the standard assessment areas.

4. Recommendations

The Panel is requested to:

- **AGREE** that DP106 should be converted to a Modification Proposal;
- **AGREE** that MP106 should be progressed to the Refinement Process; and
- **AGREE** the first package of work and the timetable as set out in this paper.

Bradley Baker

SECAS Team

7 February 2020

Attachments:

- **Appendix A:** DP106 draft Modification Report

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DP106 'CHISM update for Unknown WAN Variant'

Modification Report Version 0.2

About this document

This document is a draft Modification Report. It currently sets out the background, issue, and progression timetable for this modification, along with any relevant discussions, views and conclusions. This document will be updated as this modification progresses.

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Contact

If you have any questions on this modification, please contact:

Bradley Baker

020 7770 6597

bradley.baker@gemserv.com

1. Summary

This proposal was raised by Chun Chen from the Data Communications Company (DCC).

For a DCC User to obtain a Smart Metering Wide Area Network (SM WAN) Coverage, they must send Service Request 12.1 'Request WAN Matrix'. The Data Service Provider (DSP) will then provide an Availability Date and WAN Variant in response. WAN Variants are listed in Table 3 of SEC Appendix I 'Communications Hub Installation and Maintenance Support Materials (CHISM)' Annex E. In the exception case where the Availability Date for SM WAN Coverage is known, but the WAN Variant is not, with the implementation of [MP081 'Alignment of DUIS and CHISM to reflect current DCC Processing'](#), the DSP will return " " (Space) for the South and Central regions.

As a result of the agreed solution of MP081, the response " " (Space) has been highlighted as a potential cause of confusion for the customer.

2. Issue

What are the current arrangements?

When a DCC User sends Service Request 12.1 'Request WAN Matrix' to receive SM WAN Coverage, in most cases they will receive an Availability Date and WAN Variant. However, in an exception case, the Communications Service Provider (CSP) for the South and Central regions may respond to a SM WAN Coverage request (CSPM-S1 or CSPM-S2) with an Availability Date for coverage but without being able to confirm the WAN Variant that will need to be used. On receipt of this data, the DSP returns the Availability Date and the value of the unconfirmed WAN Variant in the response to Service Request 12.1 'Request WAN Matrix'.

The WAN variant returned by the DSP is defined by Table 3 in Smart Energy Code (SEC) Appendix I 'Communications Hub Installation and Maintenance Support Materials' (CHISM) Annex E as below:

WAN Variant (DCC 1.3)	WAN Variant (DCC 2.0)	CSP Region
Standard 420	420	CSP North
Variant 450	450	CSP North
Cellular	Cellular	CSP South & Central
Cellular+Mesh	Cellular+Mesh	CSP South & Central
No Coverage Intended	No Coverage Intended	N/A
“ “ Space	“ “ Space	CSP South & Central

With the pending implementation of [MP081 'Alignment of DUIS and CHISM to reflect current DCC Processing'](#), a “ “ Space will be used by the CSP for the South and Central regions (Arqiva) to indicate the unconfirmed WAN Variant.

During a User engagement design discussion, it was highlighted by a customer that the “ “ Space response would be confusing and they would prefer a more meaningful response. It has been suggested that the wording to use is “Unknown”.

This change will require an update to the SM WAN coverage database managed by the CSP for the South and Central regions.

What is the issue?

The WAN Variant “ “(Space) has been highlighted as being confusing to Users. Comments have been received by a Large Supplier that this response lacks meaning. A more suitable term should be used to identify the scenario where an Availability Date can be provided but the WAN Variant cannot. This affects South and Central regions only.

In order to implement the functionality required, the Table 3 in CHISM Annex E must be amended. This is a CHISM documentation change as well as a change for the CSP for the South and Central regions.

What is the impact this is having?

As a result of the agreed solution of [MP081 'Alignment of DUIS and CHISM to reflect current DCC Processing'](#), when a User sends Service Request 12.1 'Request WAN Matrix' to check the SM WAN Coverage, “ ” (Space) is returned as WAN variant in the exception case that an Availability Date for coverage is confirmed but without being able to confirm the WAN Variant that will need to be used. This has been highlighted as a potential cause of confusion for the User.

3. Assessment of the proposal

Observations on the issue

The proposal has been presented to the Change Sub-Committee (CSC) for recommendation. CSC members were supportive of the proposal and felt that the issue was well defined. The CSC recommended that the proposal progresses to the Refinement Process.

DP106 has also been presented for initial comments to the other SEC Sub-Committees. Each SEC Sub-Committee was happy for the proposal to progress and provided no further comments on the issue.

Appendix 1: Progression timetable

As the proposed solution requires amendments to the current CSP systems, SECAS believe that this modification should be progressed to the Refinement Process so a full set of business requirements can be developed, and the impact assessments required can be performed by the DCC.

Due to the significant number of DCC Assessments currently being progressed, it is recommended the Preliminary Assessment is deferred until April, to allow the current Assessments to be completed first. SECAS does not anticipate this delay to impact on the eventual implementation date, which is unlikely to be earlier than November 2021.

Timetable	
Action	Date
Agree business requirements with the Proposer and DCC	Late Feb 20
Publish business requirements on the SEC Website and open these for industry comment	Early Mar 20
Request Preliminary Assessment	Early Apr 20
Discuss at the May Working Group meeting	6 May 20
Update Panel on progress	15 May 20

Appendix 2: Glossary

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

Glossary	
Acronym	Full term
CHISM	Communications Hub Installation and Maintenance Support Materials
CSP	Communication Service Provider
DCC	Data Communications Company
DSP	Data Service Provider
DUIS	DCC User Interface Specification
SEC	Smart Energy Code
SECAS	Smart Energy Code Administrator and Secretariat
SM WAN	Smart Metering Wide Area Network
WAN	Wide Area Network