

SEC Modification Proposal, SECMP0140 DCC CR4176

Communications Hub Stock Transfer DCC Preliminary Impact Assessment



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1 Executive Summary

SECMP140 proposes a process and associated system changes to facilitate transfer of excess Communications Hub stock between Service Users.

Currently there is no process for inter-Service User transfers sanctioned by the SEC and any excess stock that will not be installed can only be returned to DCC, which incurs an Explicit Charge to the Service User.

DCC has identified two potential solution options for enacting the transfer in DCC systems. These options share a common process for administering requests for Communications Hub stock transfer between Service Users and the interaction between DCC and Service Users. The options are:

- Option A – the receiving SEC Party is recorded in DSP and CSP systems; and
- Option B – the receiving SEC Party is recorded in DSP systems only.

The DSP, CSP North, CSP Central and South are impacted by this change.

The Change Board are asked to approve one of the following options for Full Impact Assessment:

Option A

- Total cost to complete the Full Impact Assessment of £90,155, plus legal expenses on a Time & Materials basis;
- The timescales to complete the Full Impact Assessment of 45 working days; and
- ROM costs for SECMP0140, up to the end of Pre-Integration Testing (PIT) of £975,000 to £1,125,000.

Option B

- Total cost to complete the Full Impact Assessment of £41,713, plus legal expenses on a Time & Materials basis;
- The timescales to complete the Full Impact Assessment of 45 working days; and
- ROM costs for SECMP0140, up to the end of Pre-Integration Testing (PIT) of £301,000 to £625,000.

DCC recommends Option B. However it should be noted that there is a risk (R-B-001) that renegotiation of Communications Hub financing arrangements could be required. Initial discussions between the DCC Commercial team and the relevant stakeholders have commenced in order to mitigate this risk.

Benefits

The main beneficiaries of the change are Service Users, who will gain the ability to utilise excess stock from other Service Users to fulfil short term needs and to avoid the Explicit Charges associated with return and redeployment of Communications Hubs.

For both solution options, the Service Providers have indicated there will be a need to engage with the parties to the Communications Hub financing agreements in order to establish that the proposed changes are acceptable to those parties and to conduct any renegotiation of those agreements in conjunction with the Full Impact Assessment. For Option A, the working assumption is that no renegotiation will be required, whereas it is assumed that Option B will require renegotiation.

The legal expenses incurred by the finance providers are payable by the Service Providers and are passed through to DCC on a Time & Materials basis (cost plus Service Provider administrative overhead) and, as such, cannot be included as in the fixed price for the Full Impact Assessment. The DCC Commercial team is investigating and challenging these costs.

2 Introduction

2.1 Revision History

Revision Date	Revision	Summary of Changes
23/03/2021	1.0	First version for release to SECAS

2.2 Associated Documents

This document is associated with the following documents:

Ref	Title and Originator's Reference	Source	Issue Date
1	MP140 Business Requirements v0.3	SECAS	23/03/2021

References are shown in this format, [1].

2.3 Document Information

The proposer for this Modification is Richard Amey of DCC.

This Preliminary Impact Assessment was requested of DCC on 27 January 2021.

3 Context and Requirements

3.1 Problem Statement

Currently Parties must confirm their Communications Hub orders in advance and some Parties are building up excess stock, some of which would likely be returned to the DCC.

The DCC want to explore ways in which Parties could transfer Communications Hub stock directly with one another.

This would eliminate an unnecessary returns process to transport the Communications Hub units to the DCC who would then later send it out to whichever Parties are still placing Communications Hub orders.

3.2 Business Requirements

The requirements for this modification have been developed by the Working Group during the Refinement phase. The impact on DCC has been assessed against the Business Requirements.

Business Requirement 1

SEC Parties shall notify DCC when they want to offer Communications Hubs for transfer to and/or from another SEC Party.

The Proposed Solution will require the DCC to design a process where any SEC Party can list their existing Communication Hub stock to be transferred. This process should have relevant fields to account for how many Communications Hub units will be listed for transfer in this way and to specify the firmware, make and model of any such Communications Hub units. This process should ensure that any SEC Party can access these services. This process should ensure that the Communication Hub stock listed is available for all other SEC Parties to view through the preferred platform of the DCC.

Both SEC Parties involved in the transfer of Communications Hub stock will be required to notify the DCC of any arranged transfer taking place. The SEC Party transferring the Communications Hub stock to another SEC Party will need to notify the DCC when the Communication Hub stock leaves their warehouse. The SEC Party receiving the transferred Communication Hub stock will need to notify the DCC when the Communications Hubs arrive and have been accepted at their preferred destination. This will allow for a smooth transfer of liability for the respective Communications Hub units where both SEC Parties involved have acknowledged the delivery and receiving of the transferred Communications Hub stock.

Business Requirement 2

DCC shall notify all ordering SEC Parties of available Communications Hubs.

The Proposed Solution will require the DCC to design a process where any SEC Party can receive Communication Hub stock that has been listed as available to be transferred on it. This process should have relevant fields to specify the make and model of any such Communications Hub units so that the purchasing SEC Party can filter results by their

preference. This process should ensure that any SEC Party can access these services to receive a listed Communications Hub.

Business Requirement 3

SEC Parties shall notify DCC of number of Communications Hubs they want to adopt.

The Proposed Solution will require the DCC to ensure the process created to establish the transfer of Communications Hub stock will ask the receiving SEC Party how many units they wish to acquire.

Business Requirement 4

DCC will keep a record of transactions between SEC Parties, which will be publicly accessible.

The Proposed Solution will require the DCC to deliver a method of recording all Communications Hub transfers. Any means of recording the transfers between Suppliers should be available for any Supplier Party to access and where a log of transfers relating to that Supplier can be saved. Any such record of transactions should be regularly updated and have security in place so that unauthorised Users will not be able to access the log.

Business Requirement 5

The DCC process created for Communication Hub stock transfers will have a transparent selection model for which Supplier Party can purchase Communications Hub stock.

The Proposed Solution will require the DCC to have a clear selection process in place as to how the SEC Parties are able to transfer the Communication Hub stock. Any method the DCC utilises to select which Supplier Parties are able to receive the offered stock, either by auction, a first come first serve basis or other means should be stated and circulated to industry before progressing to Impact Assessment. This selection should remain consistent and not be subject to change, unless prior notice is given. Any change of process should follow approval from industry before any such change is made.

The DCC will be required to notify the SEC Party (who offered Communications Hubs for transfer) of the SEC Parties who have been selected through the process to receive the offered Communications Hub stock.

When completion of transfer between SEC Parties has taken place, the receiving SEC Party will be required to submit a list of Global Unique Identifiers (GUIDs) that have been received to the DCC. Upon receipt of list of GUIDs, the DCC shall amend ownership of Communications Hubs and amend stock level charging accordingly.

Business Requirement 6

The DCC will ensure a disputes process is included in any solution.

The Proposed Solution will require the DCC to deliver a clear disputes process into any process created to facilitate the transfer of Communications Hub stock. In the event of a SEC Party who either sends or receives Communications Hub stock and it doesn't fit the description of the quantity, make, model or firmware that is provided in the list of GUIDs a disputes process needs to be available so that a settlement/resolution can be made

between the involved SEC Parties. Any disputes process should be clearly visible in the SEC and be easily accessible for a SEC Party to view on the DCC website and/or the Self Service Interface.

4 Benefits

The Benefits associated with various Parties are noted following.

Organisation	Benefit
DCC	<p>Support Service User requests to transfer Communications Hubs (CH) whilst maintaining accurate billing to each User for stock held, leveraging existing billing system interfaces and automation.</p> <p>Clear accountability for CH stock transferred between Service Users.</p>
Service Providers	None
Service Users	<p>Access to CH stock for immediate requirements without the usual lead times.</p> <p>Avoid Explicit Charges associated with returning excess CH stock to the DCC by instead offering stock for transfer – this would amount to >£150,000 p.a. if the process is used to transfer just two pallets of CH stock each month. As an example, at the time of writing, there are known to be at least 19 pallets of CH stock available to transfer.</p> <p>Reduction in aggregate charges for CH stock by optimising inventory levels among Service Users.</p> <p>Clear accountability for CH stock transferred between Service Users.</p>

Table 1 – Benefits

The Business Case will be elaborated as part of the Final Impact Assessment.

5 Impacted Domains

The impacted domains have been identified as follows:

Domain	Impact Summary (Option A)	Impact Summary (Option B)
CSP North	<p>Business Support Systems</p> <p>Legal & Commercial</p>	<p>Incident Management</p> <p>Logistics/ Asset Management</p> <p>Legal & Commercial</p>
CSP South and Central	<p>Business Support Systems</p>	<p>Incident Management</p> <p>Logistics/ Asset Management</p>

Domain	Impact Summary (Option A)	Impact Summary (Option B)
DSP	N/A	Smart Metering Inventory
DCC	Logistics Legal & Commercial	Logistics Legal & Commercial
Service Users	Logistics/ Asset Management	Logistics/ Asset Management

Table 2

6 Impact on DCC's Systems, Processes and People

This section describes the overall solution and the impact of SECMP140 on DCC's Services and Interfaces that impact Users and/or Parties.

6.1 Description of Solution

DCC has identified two solution options, which differ only in terms of the extent to which the identity of the SEC Party that has received Communications Hubs transferred from another SEC Party is recorded in various DCC systems in place of the SEC Party to which those Communications Hubs were originally delivered by DCC. The options are:

Option A – SEC Party ID of the new recipient of the transferred Communications Hubs is updated first in CSP systems and then in DSP systems (Smart Metering Inventory) (N3 web service); and

Option B – SEC Party ID of the new recipient of the transferred Communications Hubs is updated in DSP systems (Smart Metering Inventory), only – CSP systems are not updated.

Both options have the following features in common:

- DCC will implement a process to manage requests for and offers of Communications Hubs from SEC Parties;
- Communication between DCC and SEC Parties will be via email;
- Available Communications Hub stock will be listed on the DCC customer SharePoint;
- Transaction records for transferred Communications Hub stock will be made available on the DCC customer SharePoint;
- DCC will document and publish via the DCC customer SharePoint its selection criteria for allocating Communications Hubs to requesting SEC Parties and the steps that it will take in the event of a dispute between transferring and receiving SEC Parties.

In both options, charges for the transferred Communications Hubs will be billed to the new SEC Party, as DCC finance processes rely on the data held in the Smart Metering Inventory.

6.2 Solution Option A

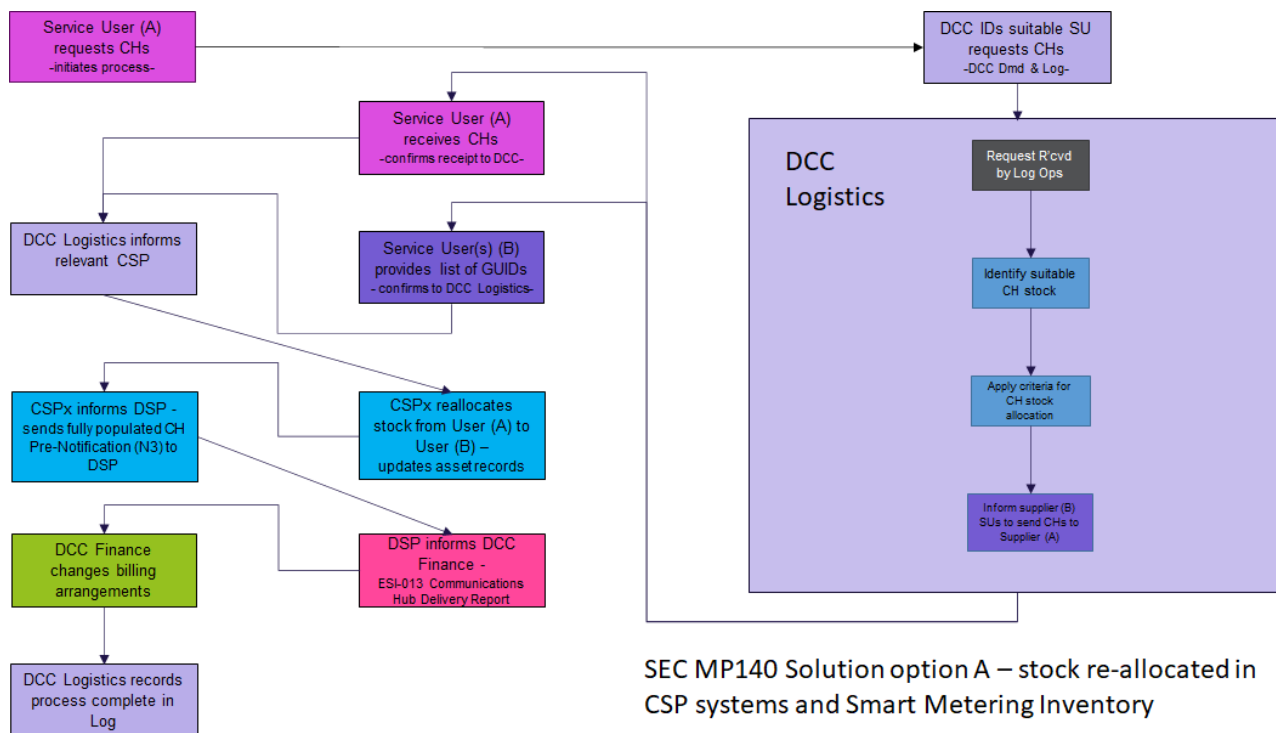


Figure 1 - Solution Option A process flow

6.2.1 Impact on CSP North

- Design, build, and system test modifications to the CSP North solution to implement Data and Structure changes to Ordering and Logistics, Billing and Financials, performance measures and service reporting within the CSP North Business Support Systems;
- Testing up to the end of PIT.

6.2.2 Impact on CSP South and Central

- Design, build and system test modifications to the Telefónica CSP solution to support the delivery of:
 - Receiving an update from DCC-L a summary file containing details of the stock transfers of CHs – this will be via a managed file transfer (MFT);
 - System updates of Telefónica records to reflect the current owner of the CHs;
 - Transfer of this data to the DSP via an interface call (making use of the existing CSP-DSP interface);
- Analysis and system process updates to support this change;
- Testing of the CSP South and Central solution up to and including the PIT test phase;

- Deployment and testing of the changes within this CR within Telefónica's PIT environment;
- Execution of security testing of the uplifted Telefónica solution;
- Execution of operational acceptance testing of the uplifted Telefónica solution.

6.2.3 DSP Solution

Under option A, after the Comms Hub transfer between two Service Users has been completed, DCC Logistics will instruct the relevant CSP to reallocate the stock to the recipient. CSPs will update their asset records and then notify DSP using the existing Comms Hub Pre-Notification (CSPM-N3) interface within the CSP Management Gateway.

On receipt of the notification from the CSP, DSP will update the SMI with the new information received on the CSPM-N3 interface, including any updates to the Service User Reference. (Note that all parameters are mandatory on the CSPM-N3 interface and, therefore, all of them must be provided). This is an existing functionality within DSP and, therefore, no additional development effort is required.

The updated Comms Hubs records will be available in the next scheduled delivery of Communications Hub Delivery Report (ESI-013). DCC will use this for charging the new Service User.

This change will need to be tested in SIT to make sure that the new CH stock transfer works as expected.

6.2.4 Impact on DCC

Design, build and test the tools and templates to support administration of the process by which:

- Service Users will make requests for and offers of Communications Hubs for transfer;
- Service Users will view available Communications Hub stock and transaction records for transferred stock;

Document the selection criteria for allocating Communications Hubs to requesting SEC Parties and the dispute resolution process.

6.2.5 Impact on Service Users

Service Users wishing to offer or request Communications Hub stock will be required to:

- Interact with DCC via email and the DCC customer SharePoint;
- Provide or receive lists of Communications Hubs for transfer in a format specified by DCC;
- Interact with other Service Users as transferring or receiving party as part of a Communications Hub stock transfer transaction;

- Comply with DCC's rules of engagement and dispute resolution process in relation to Communications Hub stock transfers.

6.2.6 Technical Specifications

No changes to DUIS or GBCS will be required.

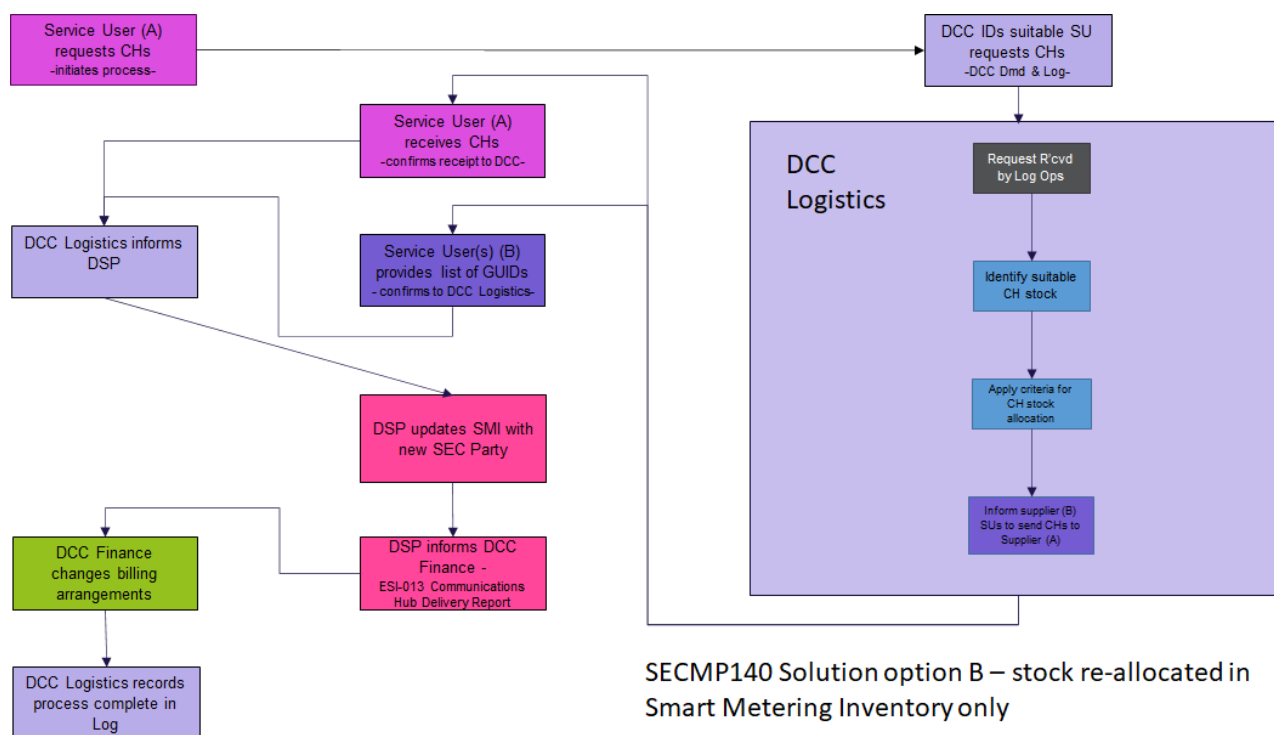
6.2.7 Impact on the SEC

This will be provided as part of the Full Impact Assessment.

6.2.8 Impact on Security

A detailed Security impact will be carried out as part of the Full Impact Assessment.

6.3 Solution Option B



SECMP140 Solution option B – stock re-allocated in Smart Metering Inventory only

Figure 2 - Solution Option B process flow

6.3.1 Impact on CSP North

Option B only impacts the financial arrangements for the financing of Communications Hubs.

For both solution options, the Service Providers have indicated there will be a need to engage with the parties to the Communications Hub financing agreements in order to establish that the proposed changes are acceptable to those parties and to conduct any renegotiation of those agreements in conjunction with the Full Impact Assessment. For Option A, the working assumption is that no renegotiation will be required, whereas it is assumed that Option B will require renegotiation.

Further detail is included in the Code Red Annex to this PA.

6.3.2 Impact on CSP South and Central

There are no CSP South and Central system modifications required.

6.3.3 DSP Solution

Under Option B, the CSPs will not be notified about the Comms Hub stock transfers. Instead, after a stock transfer has been completed, DCC Logistics will share the transfer details with DSP.

A new file upload interface will be provided within SSML for the purpose of CH stock transfer notification. This interface and the subsequent processing will be built in accordance with the existing processing patterns for file upload. The file will contain the list of Comms Hub IDs and the new Service User Reference.

DSP will update the SMI with the new Service User ID for the list of Comms Hubs. Only Comms Hubs with an SMI status of 'Pending' will be eligible for transfer and this will be enforced by way of validation checks within SSML.

In this option, the CH stock transfer data is updated only within DSP. The CSPs will not be updated since there is currently no mechanism to notify them when an update of this nature is made to the Comms Hub record.

The updated Comms Hubs records will be available in the next scheduled delivery of Communications Hub Delivery Report (ESI-013).

6.3.4 Impact on DCC

Design, build and test the tools and templates to support administration of the process by which:

- Service Users will make requests for and offers of Communications Hubs for transfer;
- Service Users will view available Communications Hub stock and transaction records for transferred stock;

Document the selection criteria for allocating Communications Hubs to requesting SEC Parties and the dispute resolution process.

6.3.5 Impact on Service Users

There is no impact on User Systems as a result of this change, save to the extent that Service Users wishing to offer or request Communications Hub stock will be required to:

- Interact with DCC via email and the DCC customer SharePoint;
- Provide or receive lists of Communications Hubs for transfer in a format specified by DCC;
- Interact with other Service Users as transferring or receiving party as part of a Communications Hub stock transfer transaction;

- Comply with DCC's rules of engagement and dispute resolution process in relation to Communications Hub stock transfers.

6.3.6 Technical Specifications

No changes to DUIS or GBCS will be required.

6.3.7 Impact on the SEC

This will be provided as part of the Full Impact Assessment.

6.3.8 Impact on Security

A detailed Security impact will be carried out as part of the Full Impact Assessment.

7 Testing Considerations

This section outlines the testing required to complete the Design, Build and Test phases for this SEC Modification.

7.1 Pre-integration Testing

During Pre-Integration Testing (PIT), each Service Provider tests its own solution to agreed standards in isolation of other Service Providers. Specifically, the development team will carry out unit testing and the build will be subject to continuous build and automated testing to identify build issues at the earliest opportunity.

PIT will operate as a single phase of activity with a single drop. It will consist of a defined subset of system tests being observed by DCC.

7.2 Systems Integration Testing

Systems Integration Testing (SIT) is the testing of the DCC Total System, which brings together the components, e.g., DSP and CSP Systems, to allow testing of the end-to-end solution by DCC. SIT is carried out for every DCC System release and incorporates the test and integration of multiple changes.

7.2.1 Option A

The technical solution involves multiple DCC Service Providers and the associated system changes will need to be demonstrated and tested with DSP and the CSPs as part of the integration test phases.

7.2.2 Option B

The technical solution involves the DSP only and therefore separate Service Provider integration testing will not be required.

7.3 User Integration Testing

As the changes described under Options A and B do not impact the DCC User Interface or any of the Technical Specifications, DCC does not expect that User Integration Testing will be required as part of the implementation of this SEC Modification.

8 Implementation Timescales and Releases

8.1 Solution Option A

The system changes for this option will need to be packaged as part of a wider release, the timing of which will be dependent on the priority of this SEC Modification relative to other changes also awaiting scheduling for release.

For the purposes of this Preliminary Assessment, a prudent planning assumption would be that DCC requires a lead time of **12 months** from the date of approval, (in accordance with Section D9 of the SEC) to implement the changes up to and including the PIT complete stage.

Implementation timescales will be confirmed as part of the Full Impact Assessment.

8.2 Solution Option B

The system changes for this option will need to be packaged as part of a wider release, the timing of which will be dependent on the priority of this SEC Modification relative to other changes also awaiting scheduling for release.

For the purposes of this Preliminary Assessment, a prudent planning assumption would be that DCC requires a lead time of **3 - 6 months** from the date of approval, (in accordance with Section D9 of the SEC) to implement the changes up to and including the PIT complete stage.

Implementation timescales will be confirmed as part of the Full Impact Assessment.

9 DCC Costs and Charges

9.1 Cost Impact

The table below details the cost of delivering the changes and Services required to implement this Modification Proposal.

Implementation costs, SECMP0140							
Phase:	Design	Build	PIT	SIT	UIT	Implementation to Live	Total
Solution Option A	£975,000 to £1,125,000			Not applicable in PIA			£975,000 to £1,125,000
Solution Option B	£301,000 to £625,000			Not applicable in PIA			£301,000 to £625,000
Implementation costs – supplementary information							
Implementation cost assumptions	<p>A. Costs are exclusive of VAT and any applicable finance charges</p> <p>B. Majority of the costs above represent labour costs.</p> <p>C. Costs provided for Design, Build and Pre-Integration Testing are quotes provided by the Service Providers and assuming there is no scope change can be considered the final costs. DCC have reviewed and challenged the costs from the Service Providers to ensure this reflects best price to date.</p> <p>D. Costs will be refined during future assessments.</p>						
Explanation of Implementation Phases	<p>DCC’s implementation costs are provided by implementation phases. The following describes the purpose of each phase:</p> <ul style="list-style-type: none">Design: The production of detailed System and Service design to deliver all new requirements.Build: The development of the designed Systems and Services to create a solution (e.g. code, systems, or products) that can be tested and implemented.Pre-integration Testing: Each Service Provider tests its own solution to agreed standards in isolation of other Service Providers. This is assured by DCC.System Integration Testing: All Service Providers’ PIT-complete solutions are brought together and tested as an integrated solution, ensuring all Service Provider solutions align and operate as an end to end solution.User Integration Testing: Users are provided with an opportunity to run a range of pre-specified tests in relation to the relevant change.						

- *Implementation to Live Costs: The solution is implemented into production environments and ready for use by Users as part of a live service. This service is subject to implementation costs.*

9.1.1 Details for Option A

The fixed price cost for a Full Impact Assessment is £90,155 together with a variable element for legal expenses, to be charged on a Time & Materials basis and would be completed in 45 working days.

The Code Red Annex to this PIA sets out the issues relating to Communications Hub financing, the analysis and resolution of which may incur legal expenses.

The legal expenses incurred by the finance providers are payable by the Service Providers and are passed through to DCC on a Time & Materials basis (cost plus Service Provider administrative overhead) and, as such, cannot be included as in the fixed price for the Full Impact Assessment.

The impact for this option is unlikely to be extensive and is it assumed that this option does not require renegotiation of those financing arrangements.

DSP and CSP Central and South have indicated that they can provide a Full Impact Assessment within 30 working days.

CSP North has indicated that they can provide a Full Impact Assessment within 45 working days.

9.1.2 Details for Option B

The fixed price cost for a Full Impact Assessment is £41,713 together with a variable element for legal expenses, to be charged on a Time & Materials basis and would be completed in 3 – 6 months.

The Code Red Annex to this PIA sets out the issues relating to Communications Hub financing, the analysis and resolution of which may incur legal expenses.

The legal expenses incurred by the finance providers are payable by the Service Providers and are passed through to DCC on a Time & Materials basis (cost plus Service Provider administrative overhead) and, as such, cannot be included as in the fixed price for the Full Impact Assessment.

It is estimated that those legal expenses may be in the region of £1,500,000 for this option if the impact is extensive. The DCC Commercial team is investigating and challenging these costs.

DSP has indicated that it can provide a Full Impact Assessment within 30 working days.

CSP North has indicated that the timescale to provide a Full Impact Assessment, if significant contract renegotiation is required, is estimated to be 3 – 6 months.

9.2 Impact on Charges

This section describes the potential impact on Charges levied by DCC in accordance with the SEC.

DCC notes that SECMP0140 does not propose any changes to the charging arrangements set out in SEC Section K. DCC has made the assumption that, in the absence of an agreed alternative arrangement by the Working Group, the costs associated with the implementation will be allocated to DCC's fixed cost based and passed through to Parties via Fixed Charges.

Subject to the commercial arrangements put in place to support the relevant Release, DCC expects the increase in Charges associated with the implementation of SECMP0140 to commence in the month following the modification's implementation.

10 RAID

10.1 Option A

Risks

Ref.	Risk Description	Risk Impact
	None identified.	

Assumptions

Ref.	Description	Impact
A-A-001	It is assumed that the change will be implemented as part of a SEC release and, in accordance with other similar functional changes, it is assumed that a separate release CR will be raised to cover release-based activities such as Transition to Operations, release regression testing and Systems Integrator co-ordination of the release. These release level activities are not included in the scope of this Preliminary Assessment.	High
A-A-002	It is assumed that Communications Hub stock transfers will only be related only to CHs that have been Accepted by the Service User that placed the original order (as identified on the Advanced Shipping Note) but not installed (i.e. with a Smart Metering Inventory status of 'Pending'). Transfers of CHs after installation are part of a separate business as usual process.	High
A-A-003	It is assumed that the transfer of Communications Hubs between Service Users will only occur in the same CSP region. There will be no transfers of CHs across CSP regions.	High

Ref.	Description	Impact
A-A-004	It is assumed that the volume of transfers of CHs between Service Users will be low and infrequent, i.e. at a level of 2 transfers of up to 10,000 units per month.	Medium
A-A-005	It is assumed that there will be no changes to the current Charges, billing and warranty conditions as a result of this CR4176, irrespective of change of Service User ownership.	High
A-A-006	It is assumed that there will be no structural changes required to the CSP Management Gateway interface between DSP and CSPs.	High
A-A-007	It is assumed that there will be no changes to the Order Management System or the Communications Hub return process.	High
A-A-008	It is assumed that there will be no changes required to the Communications Hub financing arrangements.	High

Dependencies

Ref.	Description	Impact
	None identified	

10.2 Option B

Risks

Ref.	Risk Description	Risk Impact
R-B-001	Because the impact of this option on Communications Hub financing arrangements cannot be fully assessed without commercial engagement with the lenders, there is a risk that renegotiation of those arrangements will be required in order for this option to be viable.	
R-B-002	Because this solution option may not be acceptable to all parties to the Communications Hub finance arrangements, there is a risk that it cannot be implemented.	High
R-B-003	Because the CSPs will not have accurate Service User information in their own systems and may need to clarify this with the DCC, there is a risk that Incidents or Service Requests that are assigned to a CSP or product recalls initiated by a CSP may take longer to investigate/ resolve.	Low

Assumptions

Ref.	Description	Impact
A-B-001	It is assumed that the change will be implemented as part of a SEC release and, in accordance with other similar functional changes, it is assumed that a separate release CR will be raised to cover release-based activities such as Transition to Operations, release regression testing and Systems Integrator co-ordination of the release. These release level activities are not included in the scope of this Preliminary Assessment.	High
A-B-002	It is assumed that Communications Hub stock transfers will only be related only to CHs that have been Accepted by the Service User that placed the original order (as identified on the Advanced Shipping Note) but not installed (i.e. with a Smart Metering Inventory status of 'Pending'). Transfers of CHs after installation are part of a separate business as usual process.	High

Ref.	Description	Impact
A-B-003	It is assumed that the transfer of Communications Hubs between Service Users will only occur in the same CSP region. There will be no transfers of CHs across CSP regions.	High
A-B-004	It is assumed that the volume of transfers of CHs between Service Users will be low and infrequent, i.e. at a level of 2 transfers of up to 10,000 units per month.	High
A-B-005	It is assumed that there will be no changes to the current Charges, billing and warranty conditions as a result of this CR4176, irrespective of change of Service User ownership.	High
A-B-006	It is assumed that there will be no structural changes required to the CSP Management Gateway interface between DSP and CSPs.	High
A-B-007	It is assumed that there will be no changes to the Order Management System or the Communications Hub return process.	High
A-B-008	It is assumed that there will be no changes required to the Communications Hub financing arrangements.	High

Issues

Ref.	Issue Description	Impact
I-B-001	Any contract negotiations relating to financing arrangements must be undertaken as part of Full Impact Assessment in order for the amended contracts to be capable of being executed in tandem with the implementation of the technical solution.	High
I-B-002	In this solution option, CSP data (SEC Party associated with each Communications Hub) will no longer be in sync with DSP systems, resulting in certain activities and reporting undertaken by	Medium

Ref.	Issue Description	Impact
	CSPs in support of DCC Service Management, Communications Hub forecast reconciliation and compliance activity being reduced or withdrawn.	

Dependencies

Ref.	Description	Impact
	None identified.	