ECoS Drop In / Briefing Session

28 June 2022

We believe in making Britain more connected, so we can all lead smarter, greener lives.

Agenda

No	Topic	Update From
1	**ECoS Team Introductions**	**ECoS Team**
2	**Objective of todays session**	**Ian Robertson**
3	What is ECoS?	Roger Williams
4	Market Participant Identifier (MPID) – Guidance and Process flow	Roger Williams
5	Customer Engagement	Agnes Berthoz
6	Next Steps	Ian Robertson
7	AOB	All

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Objective of todays session

To share information related to key areas of the ECoS programme and progress

To bring all interested parties with us on the ECoS journey

To ensure a continued positive engagement with all stakeholders

To provide the opportunity to ask questions and gain a better understanding of ECoS

To all be a part of the ECoS team

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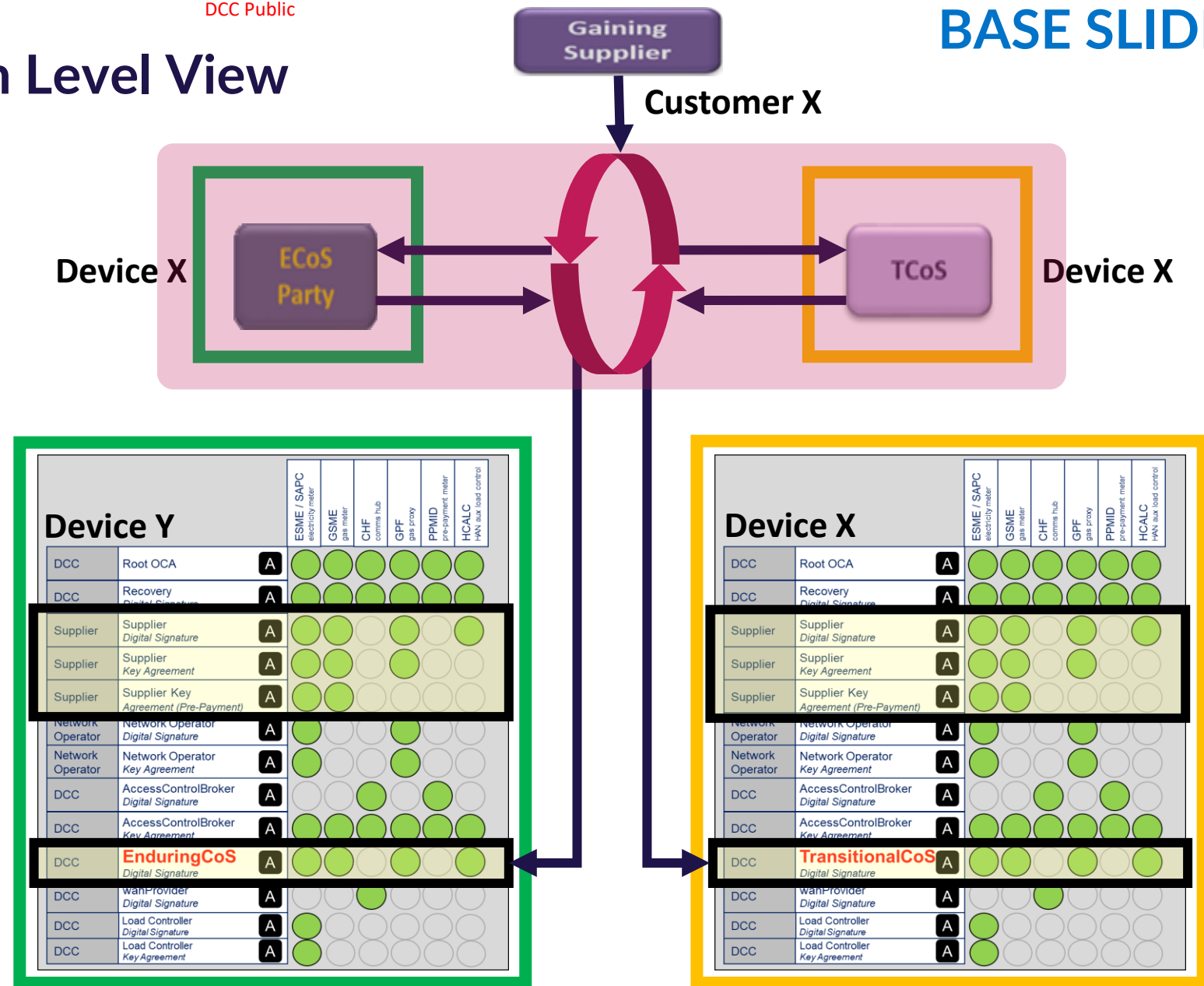| No	Topic	Update From
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Recap – What is ECoS – High Level View

TODAY

1. Gaining Energy Supplier requests a change of "Supplier"

2. After all existing processing takes place….. the TCoS Component sends a CoS SRV 6.23 to the device

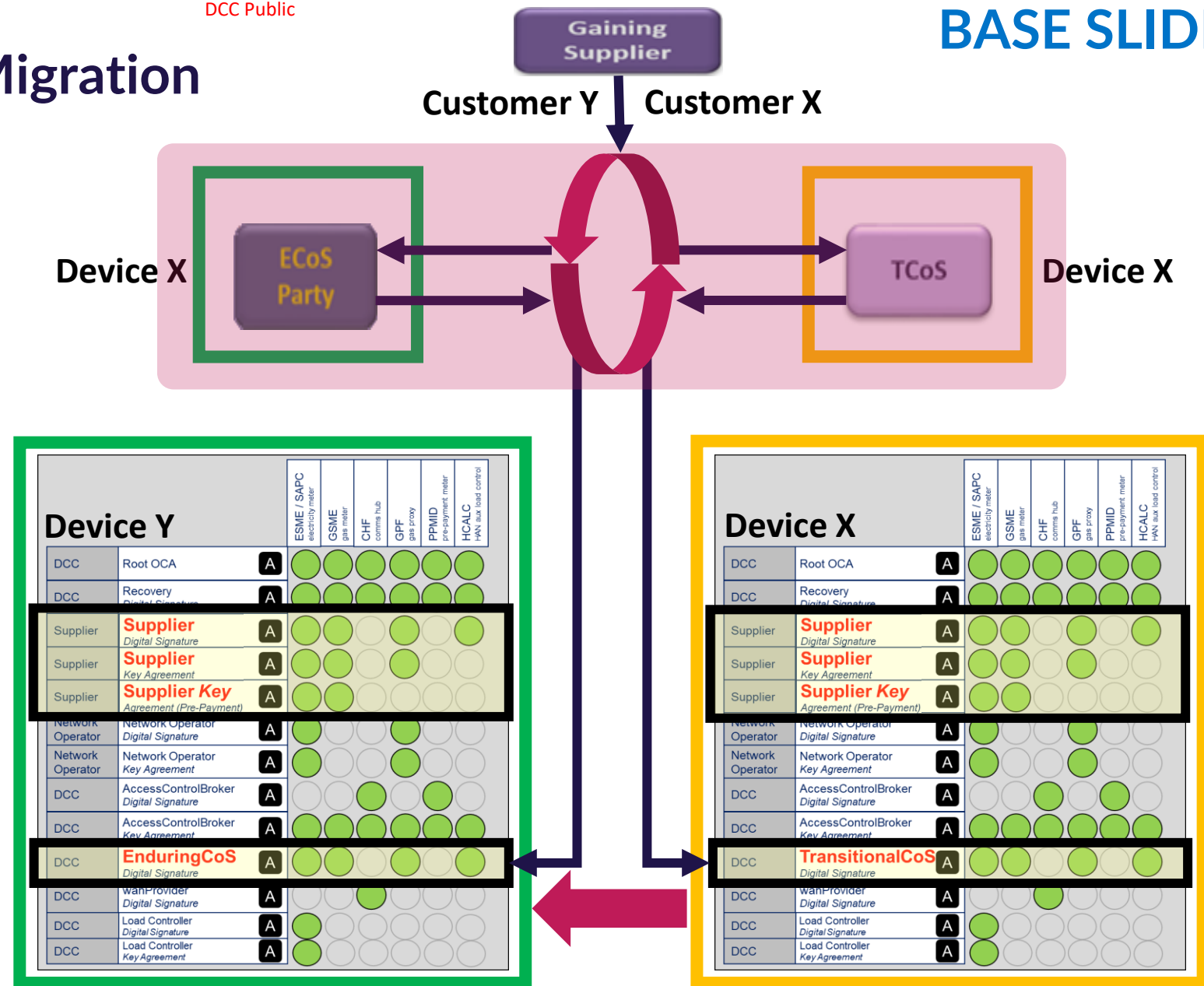3. On the device, the "Supplier" details are updated

After ECoS

1. Gaining Energy Supplier requests a change of "Supplier"

2. After all existing processing takes place….. the ECoS Party component sends a CoS SRV 6.23 to the device

3. On the device, the "Supplier" details are updated

NO CHANGE * This assumes all work required to support current SEC changes are in place… in particular XML Signing and MPIDS

Recap – The TCoS to ECoS Migration

The ECoS Migration is about

- The management of the change of credentials on the devices from TCoS to ECoS

- Ensuring the ECoS credentials are created and deployed onto devices at the right time, i.e. to support testing and migration

- Managing the device supply chain and inventory to ensure
  - ECoS credentialed devices are added to the network as soon as possible after Go Live
  - TCoS credentialed devices **stop being added** to the network as soon as possible after Go Live

- Resolving issues associated with devices do not initially accept the new ECoS device credential

Foot Note: The physical Slot10 remains unchanged and continues to be called Transitional CoS. Only the credentials contained within are changing from TCoS to ECoS

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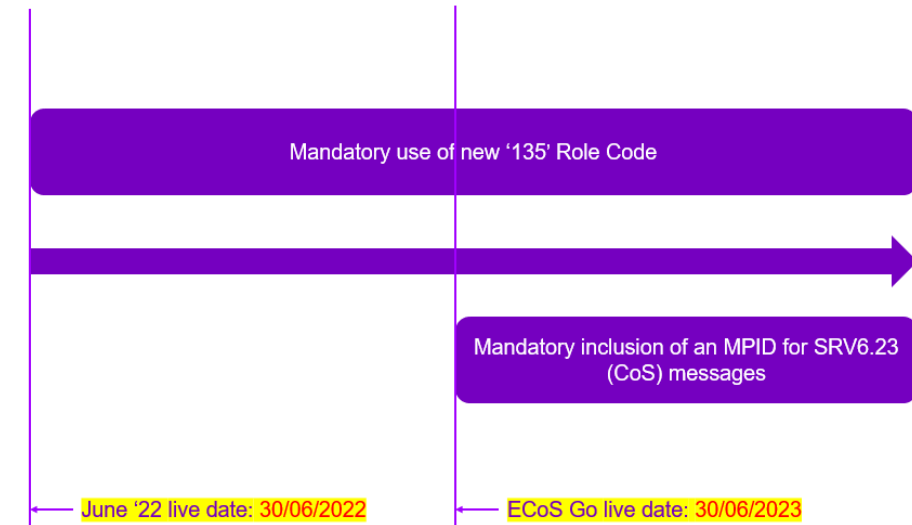
ECoS MPID Usage – Guidance

In general terms there are two requirements in scope of this guidance, as follows:

1. SECMP0104 - The introduction & usage of a new type of Organisation Certificate with a new Role Code, hereafter known as the "XML signing" Certificate or 'XML Sign' and;
2. ECoS June 2023 changes - The inclusion of Registration Data identifiers in the XML Signing Certificate that is used to sign all SRV6.23 (CoS) messages.

The above can be achieved by submission of a single Certificate Signing Request to the DCC Registration Authority (existing process) for an 'XML Signing' credential, where that request includes the Suppliers Registration Identifier.

From a systems point of view, the ECoS Solution will use this new MPID information in a CoS message to verify:
• The MPID in the 6.23 request is the supplier of the MPxN from the switch date
• The MPxN in the 6.23 request is the MPxN in the registration data

Mandatory use of new '135' Role Code

Mandatory inclusion of an MPID for SRV6.23 (CoS) messages

June '22 live date: 30/06/2022

ECoS Go live date: 30/06/2023

Note that eligible SMKI subscribers are already able to submit Certificate Signing Requests for an XML Signing credential that includes their MPID.

ECoS Go Live – Use of MPIDs in SMKI Certificates

In preparation for ECoS go live, Service Users will need to ensure they have obtained a new credential, via the SMKI Portal page, that is for XML Signing and also contains the correct MPID.

Post ECoS go live, the Service User will be required under the SEC to submit all SR6.23 (CoS) Requests signed with a private key that is associated with a SMKI Certificate with role code of 135 (xmlSign) that contains the MPID associated with the device's MPxN according to the DSP's and ECoS Party's copy of Registration data.

Note that a SMKI certificate may contain up to two MPIDS – one for electricity, one for gas, see below.

**Example Supplier Organisation Certificate field contents**

	Existing Supplier certificate for digital signature.	Supplier certificate for XML digital signature only
SMKI Organisation Certificate field		
keyUsage within extensions	0 meaning digitalSignature	0 meaning digitalSignature
Subject X520 Organizational Unit Name	'02' meaning for supplier use on a GBCS compliant Device (so a SMETS2+ Device	'87' meaning that it is for xmlSigning
Subject X520 Common Name	e.g. 'ACME enegy' being the name used, on change of supplier) by a SMETS2+ Smart Meter in the name part of Contact Details	e.g. 'ACEE ACG' being this company's market participant IDs for electricity and gas supply

Note: This equates to a Role Code of '135' Decimal (Certificates use Hex values)

Note that all fields in a Supplier Certificate for XML signing, are also present and populated in existing Supplier Certificates, for use on SMETS2+ Devices. The differences are only in terms of the values used in the last two fields above.

ECoS MPID Usage – CoS Message Flow

The following diagram s**hows the flow of a CoS message in the DCC system and where the values are used in processing.**
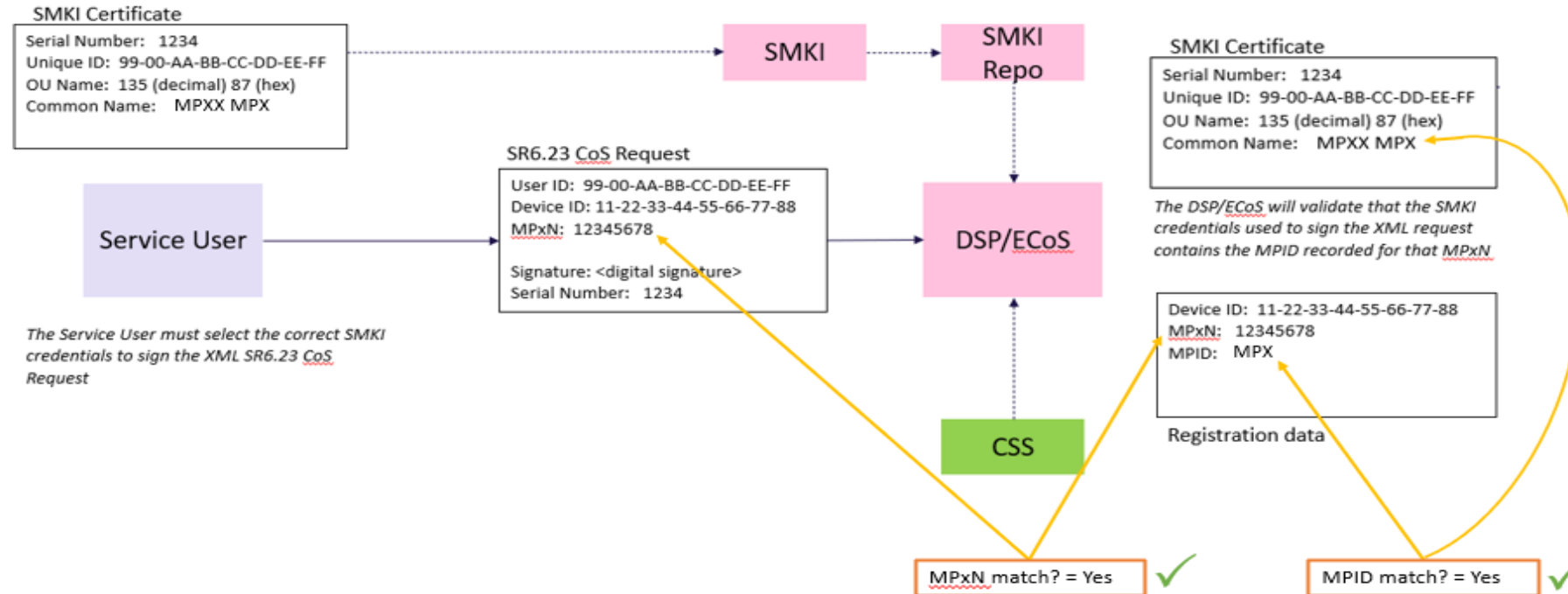
- The MPID in the 6.23 request is the supplier of the MPxN from the switch date
- The MPxN in the 6.23 request is the MPxN in the registration data

ECoS MPID Usage – Impact

It is important that DCC Service Users are aware that from June 2023, by design, for a 6.23 (CoS) message, if the correct MPID is not included in the certificate used to sign the XML Wrapper, or the MPID included is wrong (does not match the Registration Data for the CoS), the message will fail.

DCC Service Users are strongly advised to plan for appropriate IT Change processes well in advance of June 2023 to allow them to meet this requirement & to ensure they can continue sending in SRV6.23 (CoS) messages without interruption.

DCC will be contacting Service Users to understand plans for implementing the required changes so DCC can appropriately plan bilateral engagements. DCC has also begun analysing MPID Report usage data to inform the production of generic scenarios which explain why Service Users may not be successful in their use of MPIDs.

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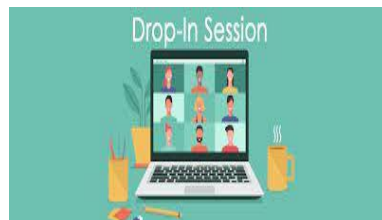| No	Topic	Update From
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ECoS website to provide latest updates, documents.

On key questions from industry

ECoS Engagement

Summit 26th April 2022

Industry Forums

IMF

Newsletters issued to c 800 customers each month..

TBDG

OPSG

TAG

TABASC

SSC

Drop-in sessions implemented since August 2021 has seen 133 attendees so far..

ECoS programme have been actively engaging with industry & our wider customers via various routes to provide the appropriate transparency and latest updates of the programme.

These channels have aided in reaching out to a wider audience

We will continue our communications, drawing on insights to improve customer experience throughout the lifecycle of the programme

ECoS Planned engagement activity August 2022-January 2023

Panel Sub Committee

Direct engagement

BEIS

SSC/ SMKI PMA
Monthly updates at 2nd SSC of the month done by the CIO auditor/DCC security lead

SSC/ SMKI PMA – Provide monthly Programme update

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OPSG - TCoS to TCoS production evidence gathering

OPSG – TCoS to TCoS production evidence gathering & Migration Plan, engagement plan,

OPSG – TCoS to TCoS production evidence gathering & Approach to Non Functional Testing

OPSG – TCoS to TCoS production evidence gathering

OPSG – TCoS to TCoS production evidence gathering

OPSG – TCoS to TCoS production evidence gathering & DBT progress update

PIT phase start 01/08/2022

PIT complete 30/09/2022

SIT phase start 04/11/2022

August 2022	September 2022	October 2022	November 2022	December 2022	January 2023
IMF – Provide monthly Programme/ highlights, update on JIP milestones, Engagement plan	**IMF** – Provide monthly Programme/ highlights, update on JIP milestones, Engagement plan	**IMF** – Provide monthly Programme/ highlights, update on JIP milestones, Engagement plan	**IMF** – Provide monthly Programme/ highlights, update on JIP milestones, Engagement plan	**IMF** – Provide monthly Programme/ highlights, update on JIP milestones, Engagement plan	**IMF** – Provide monthly Programme/ highlights, update on JIP milestones, Engagement plan
TBDG update on MPID report usage/ ECoS risks to go live and completion of migration	TBDG– Provide monthly Programme highlights and updates to actions	**TBDG**–Provide monthly Programme highlights and updates to actions	**TBDG**–Provide monthly Programme highlights and updates to actions	**TBDG**–Provide monthly Programme highlights and updates to actions	**TBDG**–Provide monthly Programme highlights and updates to actions
TAG93 - 31.08.22 Provide general update on Testing aspects	**TAG94 - 28.09.22** Provide general update on Testing aspects	**TAG95 - 26.10.22** Provide general update on Testing aspects	**TAG96 - 30.11.22** Provide general update on Testing aspects	**TAG97 - 14.12.22** Provide general update on Testing aspects	**TAG** – Provide general update on Testing aspects

Monthly Drop- in sessions on 2nd and 4th Tuesdays from 4-5pm & Newsletters to inform wider industry key updates, progress, requirements of the programme.

Weekly BEIS meeting to discuss progress on the Delivery of the Programme

Customer Engagement

■ Formal Monthly newsletter branded for ECoS. June Newsletter to be issued 1st July 2022.

■ The **Enduring Change of Supplier (ECoS) | Smart DCC** website includes detailed information about the programme, updates, monthly newsletters and a comprehensive Q&A

■ Twice monthly drop-in sessions on 'Migration & Devices' and 'Design, Build and Test' have been set up with NCL 'Lead Contacts' and 'Back Up Contacts' being invited.

■ customerengagement@smartdcc.co.uk.

■ If you have feedback on what would be good to cover in these sessions please use email address **SMB-ECoS@smartdcc.co.uk** to make contact.

Send an email to SMB-ECoS@smartdcc.co.uk to register for these sessions / material

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Next Steps

Key activities over the next 2 months include:

- ECoS Transition and Migration Approach Document (ETMAD) consultation concluded on 12/05/22. We intend to issue a consultation response document in August to address comments received from industry and outline next steps;

- ECoS Service Providers tracking green towards ECoS Build Complete JIP milestone at the end of July 2022.

- Test Assurance Document (TAD) approved at TAG90 on 25 May.

- Migration activities to continue
    - Migration planning including how to de-risk the migration
    - Device Candidate Selection Engine (DCSE) build has started.
    - Refine the proposed Migration Retry Strategy

- Ongoing customer engagement activities with Suppliers and BEIS through different forums including TBDG, IMF, TAG, etc. Includes Newsletters, drop in sessions, etc.

- Next drop in sessions will be on 12 and 26 July from 4-5pm

What do you want to see in the July 2022 drop in sessions….?

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Thank you