MDR Testing and Qualification

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MDR Functionality, Testing and Qualification

- A lack of clarity has been raised by industry on the Programme approach to testing MDR services and the Code Body approach to Qualification where a Smart Data Services provider intends to use:
  - o MDR services as new functionality in the new MHHS arrangements; and/or
  - o Existing Supplier functionality to collect HH data from smart meters using existing IS and ES Service Requests with DCC (DSP)

- Smart Data Services (SDS) is the MHHS role and it is SDS that will be Qualified in its entirety through Programme SIT and Code Body Qualification
  - o MDR or the existing Supplier smart meter functionality will not be qualified individually

- MDR is part of the SDS role. If third-party SDS providers wish to use MDR functionality, then the organisation concerned will have to be acceded to the Smart Energy Code as an "Other SEC Party" and will need to complete DCC UEPT testing in the new DCC User Role of "MDR" as a pre-requisite to entering Programme SIT or BSC Qualification
  - o New Test Scenarios will be defined by DCC for MDR Users undertaking the User Entry Process
  - o Suppliers will have to send consumption data to the SDS (PSS element of the SDS) and this interface is not prescribed - there is flexibility for Suppliers and their agents to agree this exchange of data

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- We recommend that SDS service providers who wish to operate MDR to contact SECAS in order to ensure that the relevant SEC arrangements are in place on secas@gemserv.com

- The Programme has been advising SDS service providers who wish to operate MDR to contact DCC at mhhs@smartdcc.co.uk to discuss SEC testing required

- The Programme provided a set of slides to inform Programme Parties as part of Work Off Item D-23 and there have been a number of suggestions from SECAS to clarify and improve those slides
  - These slides have been amended with those comments and the Programme has re-issued the updated slides to accompany this slide deck

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- A094 - Agents who are not already DCC users are expected to be required to complete SEC accession (and security) processes, obtain DCC connection and adapter services and complete DCC entry testing prior to SIT

- A197 - Common Test Scenarios will be updated for DCC UEPT to reflect MDR testing, as per SEC Mod MP162

- A198 - Existing Suppliers already using the Import Supplier (IS) and Export Supplier (ES) DCC User Roles to retrieve smart meter data who will undertake the role of MDR for their own customers **do not** have to undertake any SEC accession or DCC UEPT activities as a pre-requisite to Programme SIT, providing they continue to issue service requests using their existing IS/ES roles **only**
  - A Supplier who elects to operate as its own MDR may continue to operate using its existing Supplier User Roles.
  - Evidence will need to be provided as part of PIT evidence and in the QAD for Qualification of the existing arrangements and testing of the submission of consumption data from Supplier into the remainder of the SDS processes (i.e. into PSS) and the use of that data in generating consumption data output messages
  - Qualification testing will be undertaken on the SDS role as a whole, therefore consumption data will need to be generated from Suppliers and sent into the SDS as part of testing

- A199 - SDS will be tested in SIT (and all of the individual phases of SIT) as a role in its entirety and against the design baseline

- A200 - Non-SIT SDS participants using MDR:
  - Will be able to place reliance on DCC UEPT testing and there will be no further testing required of the MDR functionality for Qualification
  - MDR DCC UEPT evidence will need to be provided as part of PIT evidence and in the Qualification Assessment Document
  - Qualification testing will be undertaken on the SDS role as a whole, therefore consumption data will need to be generated for use in the SDS as part of testing

- A201 - Any party wishing to act as an MDR, Supplier or otherwise, will be required to go through a one-off process to be allocated an "MDR DIP ID"
  - For the majority of MDRs also be registering with the DIP for other Roles (Supplier or Data Service), the process of "MDR DIP ID" can be done as part of the DIP on-boarding process for those other roles
  - As this point, it is assumed that any 'standalone' MDRs (i.e. an organisation whose only participation will be as an MDR) would either need to perform a 'one time action' of logging into the DIP in order to request and receive their "MDR DIP ID" or the process could be undertaken (manually) on that MDR's behalf by the "DIP Manager"
  - DIP ID of MDR is converted into a four digit identifier and sent to CSS/ DSP so that MDR Role access control can be maintained

- A202 - DCC is not in the scope of Component Integration Testing (CIT), therefore DCC UEPT for MDR is only an entry requirement for SIT Functional Testing and not CIT

- A203 - Elexon has a means to check that MDR Users have successfully completed UEPT, expected to be evidenced by providing the DCC UEPT completion certificate in the QAD for SDS providers

- A204 - Elexon has a means to check that SDSs using Supplier Service Requests are existing Suppliers already using Import Supplier (IS) and Export Supplier (ES) roles to retrieve smart meter data, expected to be via the list of valid users in SEC website: Elexon to seek login from secas@gemserv.com

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- R548 - There is a risk that SDS Participants are not clear on the potential SEC accession and DCC testing requirements required in advance of Programme SIT and/or Qualification.

- R549 - There is a risk that SIT SDS participants intending to use MDR do not complete SECAS accession and DCC UEPT in time to start SIT

- R550 - There is a risk that SIT SDS participants intending to use Supplier IS & ES Service Requests to collect smart meter data do not complete their DBT and PIT in time to start SIT

- Mitigation:
  - Additional communications to Programme Participants of these slides and supporting material
  - Capturing risks and assumptions in Programme RAID to manage
  - Updating Programme deliverables where appropriate

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A Smart Data Service (SDS) seeking Qualification can collect consumption and generation data using either,

a) existing Supplier User Roles   **b) the new MDR User Role**
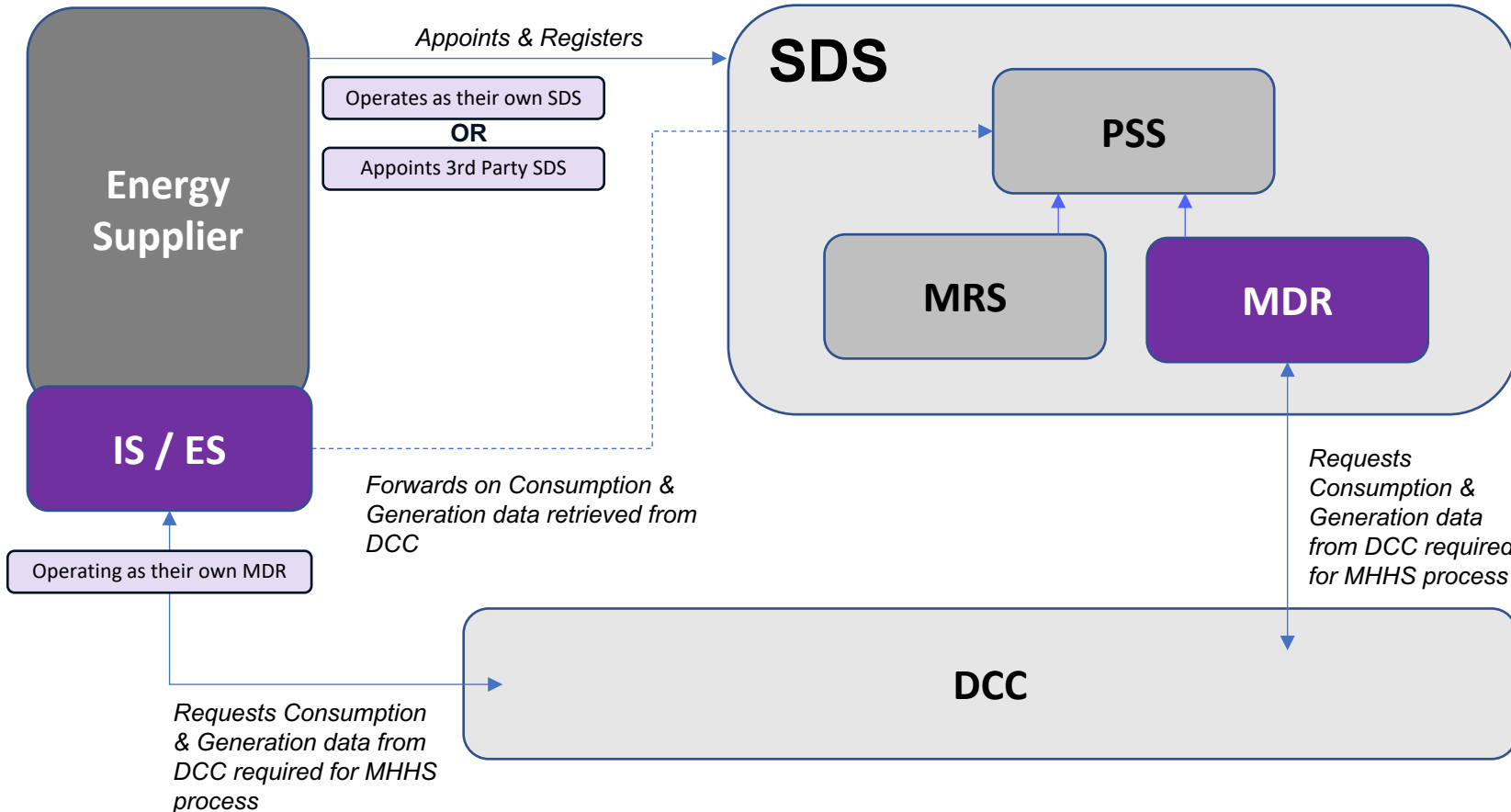
SEC User Roles
- New 'MDR' User Role created to support Non-Energy Supplier organisations collection of Consumption and Generation data sets from Smart Meters to support the MHHS SDS function (choice to use or not)

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- SDS function as a whole is the level for Qualification
- MDR can't qualify in own right
  - Must be as part of SDS Qualification

Diagram labels:

Energy Supplier — Appoints & Registers → **SDS**

Operates as their own SDS
OR
Appoints 3rd Party SDS

IS / ES

Operating as their own MDR

Forwards on Consumption & Generation data retrieved from DCC

SDS containing **PSS**, **MRS**, **MDR**

Requests Consumption & Generation data from DCC required for MHHS process

DCC

Requests Consumption & Generation data from DCC required for MHHS process

The Programme communicates the current position with this slide deck and the revised D023 slides published together

o   Article in The Clock and reference in PPC bilaterals

Programme shares this with any relevant Programme governance groups to consider any updates to Programme deliverables:

o   Fast Track Implementation Group to update latest position

o   Testing and Migration Advisory Group to update latest position

o   SIT Working Group to consider for updates to PIT Guidance, E2E Testing & Integration Strategy and any Approach & Plan updates

o   Qualification Working Group to consider for Qualification Approach & Plan update and Qualification Assessment Document development

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