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**How**

* To introduce an enhanced and expanded level of data exchange, between Distribution Network Operators and the Electricity System Operator, utilising a Common Information Model (CIM) standard.
* The new data exchange requirement will commence for all DNOs and the ESO at the same time and only when all parties have developed the required level of CIM capability; but not later than 31 December 2024.
* A governance body, with representation from each of the DNOs, the TOs and the ESO, to be established to define the CIM standard to be adopted for GB, coordinate CIM development and represent the GB electricity supply industry at the international IEC CIM working group.
* To clarify the ESO data requirements, and to align, as far as possible, the demand and generation data and the Network data requirements of the current Week 24/50 data submissions with those of a Statement of Works through submission of consistent CIM network models.
* To require, as part of the Week 24/50 data submission, the provision of a CIM compliant model representing the sub-transmission voltage level network; including detailed node, line and generator data at that voltage level.
* To require, as part of the Week 24/50 data submission, the provision of a CIM compliant model with equivalent discrete demand and generation models representing the aggregate demand and aggregate generation (by energy source/conversion technology)for demand and generation not discretely provided in the CIM compliant model.
* To require, as part of the Week 24/50 data submission, the provision of a CIM compliant models that represent power flow and fault level contributions at an increased number of cardinal demand points in time.
* To require, as part of the Week 42 data submission, the provision of CIM compliant models representing a single boundary, switch level model of the transmission system.
* To require, as part of the Week 42 data submission, the provision of CIM compliant models representing an increased number of transmission system dispatch scenarios.
* These requirements to be detailed in a new section of the Grid Code’ Planning Code legal text, to replace the present data exchange requirements following the implementation of CIM data exchange
* A method of notifying data receiving parties what generation has been despatched in their network for any scenario supplied

Draft by, Ian Povey – 26 February 2021.

Updated Paul Thomson – 01 March 2021

Updated Alan Creighton – 01 March 2021

Updated Graeme Vincent – 08 March 2021