Long Term Development Statement (LTDS)
Phased Implementation Requirements

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This document details the implementation approach for the newly required Capacity Heatmap data and for the revision of the LTDS to be expressed in Common Information Model (CIM) form.

Contents

Summary

A phased implementation of the requirements for the expression of LTDS grid model data in CIM is planned. The initial phase concludes at the end of May 2024 with the publication of the majority of the LTDS in CIM data. The second phase, to be completed by the end of November 2024 to align with the existing LTDS publication cycle, will require the parallel publication of LTDS data in the existing form and the complete set of LTDS in CIM data.

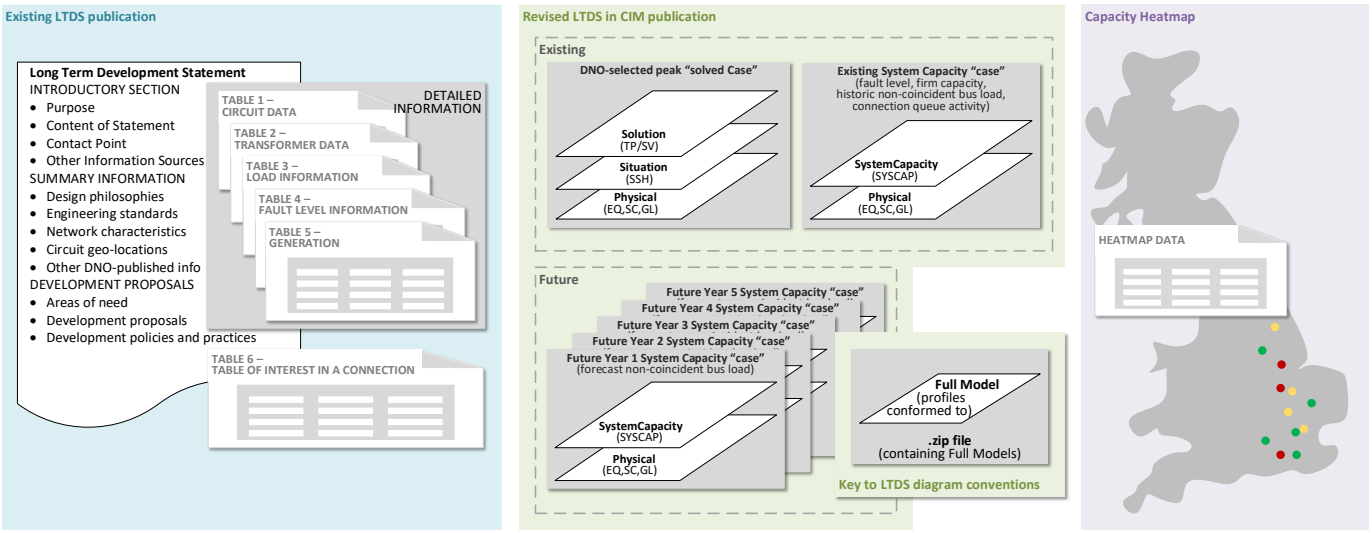
It is also proposed that the new requirements for the publication of Capacity Heatmap data are delivered as part of Phase 1.

The remaining sections of this document clarify the requirements for partial CIM data at Phase 1 and complete CIM data Phase 2.

Phase 1

In Phase 1, the following are required:

- The complete existing LTDS publication (narrative and tables)[1]
- A modified revised LTDS in CIM, and
- The complete Capacity Heatmap publication.



The modified LTDS in CIM publication calls for the following in terms of the files provided:

- A single DNO-selected peak "solved case" (instead of two "solved cases", each aligned with a specific GB grid condition) without a Diagram Layout Model.
- No Development Project Difference Models (as opposed to providing Difference Models for every development project where finance has been secured).

The modified LTDS in CIM publication also reduces the Model content as follows:

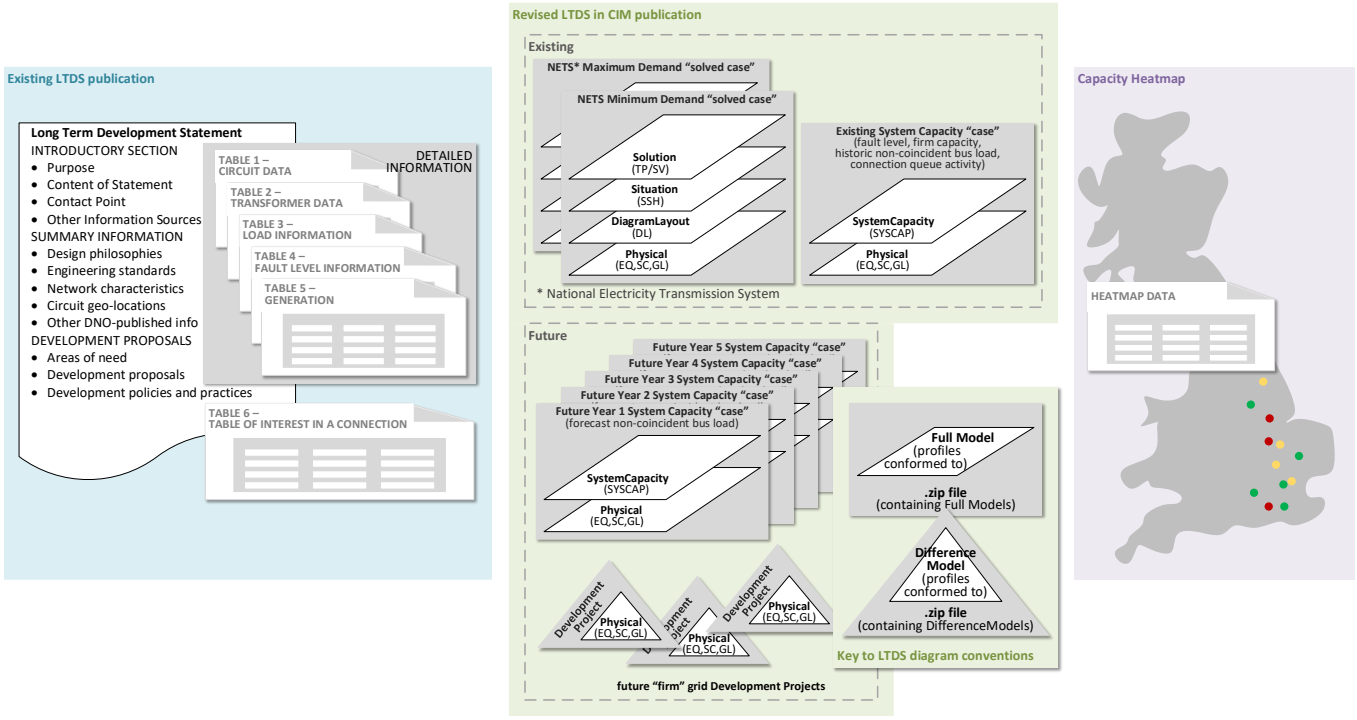
- Geospatial location is required only for cim:Substation objects (not for cim:Substation objects plus every cim:ConductingEquipment subtype object not associated with a cim:Substation, as is specified in the second bullet of the third paragraph of section 2.4.3.3. Geographical Location (GL) profile data of the LTDS Grid Modelling Guidelines).

[1] Meaning the version of the LTDS based on the existing FoS, published at the end of November 2023

Phase 2

In Phase 2, the following are required:

- The complete existing LTDS publication (narrative and tables),
- The complete revised LTDS in CIM, and
- The complete Capacity Heatmap publication.



The Phase 2 changes in requirements for the revised LTDS in CIM publication are:

- The single DNO-selected peak "solved case" is replaced with two "solved cases", one reflecting the conditions of the preceding year's National Electricity Transmission System (NTES) maximum demand and the other the conditions of the minimum NTES demand. Each case includes a Diagram Layout Model.
- Development Project Difference Models are required for every development project where finance has been secured.

Model content is expanded to include:

- Geospatial location for every cim:ConductingEquipment subtype object not associated with a cim:Substation, in addition to for all cim:Substation objects.

In Phase 2, the LTDS in CIM publication meets all requirements outlined in the LTDS Grid Modelling Guidelines and the LTDS Data Exchange Specifications.