

Guidance Document

G1353

Production Drawings, Red Line Information and As-Built Drawings

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What this guidance is for

This document provides guidance for the following:

- **Production Drawings** - capturing data and information that represents the physical (which may also include the functional) characteristics of an asset during the design and construction phase of its lifecycle.
- **Red Line Information** - recording any deviation from the design of an asset's physical and functional characteristics to that constructed/installed, by means of either marking-up of Production Information or capturing in additional documents, as changes occur on-site.
- **As-Built Drawings** - recording information about an asset's physical and functional condition prior to project close-out and / or after all testing, commission and snagging is complete.

General principles that apply to this guidance

LU Project teams must contact [LU CAD Support Team](#) to ensure a project area is created within ProjectWise (LU_CDE data-source) and that the necessary CAD Resource Files are available within the project area for use by internal teams. It is the LU programme / project team's responsibility to ensure the CAD Resource Files are issued to their external supplier(s).

A forward schedule of deliverables must be agreed and documented in the Master Information Delivery Plan (MIDP). This must detail all model files, composite models and drawing definitions, as well as all other Production Information (as needed by the Client), to be produced and delivered at each Stage Gate.

Production drawings must:

- be produced for all railway projects and works that introduce new, or alter existing engineered assets
- be captured from CAD files (drawing definitions, model files and composite models) which comply with [LU Category 1 Standard S1037 Computer Aided Design \(CAD\) Data](#)
- be included within the agreed MIDP (including their component parts; model files and composite models)
- be checked and approved by the applicable contracted organisation; initial and surname of approver displayed within the title-block of all drawing definitions, model files and composite models
- be captured as a drawing rendition, in an immutable electronic format such as PDF, derived from (as an exact copy) the approved Drawing Definitions, at the same page size. All renditions are to be captured within LiveLink, at each Stage Gate (as a minimum).