

Ref:	NR/L3/ELP/27406/MOD A
Issue:	2
Date:	3 December 2011
Compliance date:	3 March 2012

Engineering Deliverable Requirements for Electrical Power Asset Design

Module A: Generic Requirements

1 Information to be provided

The information to be provided for any given submission will vary according to the nature of the scheme. The generic requirements to support the Form A, B and E submissions are given in clauses 2 to 4. These requirements along with the appropriate items listed in the relevant sub-discipline modules (B to L) should be selected and specified in the PRS. Additional requirements may be specified in the PRS for complex or unusual schemes.

2 Form A – Approval In Principle of Single Option Selection

The required items may be incorporated into the associated GRIP 3 option selection report instead of providing standalone deliverables. The level of detail for each item should only be sufficient to satisfy the approval in principle of single option selection.

The following information is required to support the Form A submission:

- a) Form A Certificate.
- b) Name of sponsor within Network Rail.
- c) Proposed date of implementation (specify stages if applicable).
- d) Design Commentary which is aimed at providing an executive summary of the main content of the submission. This should include, but not be limited to, the following:
 - A brief description of what the scope of the submission includes.
 - Confirmation that the submission meets all Group Standards, Network Rail Standards, UK legislation and the PRS.
 - Any non compliance to Standards should be identified with reference to the part of the submission that provides the full details of the non compliances. The design commentary should identify the mitigation measures that have been taken to address any non compliances and if necessary identify any existing non compliances that will not be removed and the justification for this.
 - Confirmation that the submission only utilises Network Rail product approved assets.
 - If product approval is required for any of the assets, this should be identified with reference to the part of the submission that provides the full details of the product acceptance requirements. The status of any product approval applications should be clearly identified within the design commentary.
 - Confirmation that an IDC of the single option selection has been completed.

NOTE The design commentary should typically be no more than two pages.

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- e) Justification of single option selection.
- f) Description of proposed works including where applicable:
 - Ownership of assets.
 - Impact on the operations and maintenance strategy, including any ongoing maintenance costs (OPEX) and/or specialist support contracts.
 - Whether there is any impact on existing boundary limits.
 - How interfaces with existing assets, systems or services are to be managed.
 - How interfaces with other schemes are identified and managed.
 - How cross functional interfaces have been defined and how they will be proved appropriate.
- g) Submission details including:
 - Supporting information for any deviations from Standards or PRS requirements.
 - Details of product acceptance requirements for the use of novel equipment/systems.
 - Details of existing non compliances to standards and/or PRS.
 - Details of access arrangements.
 - Designers risk assessment.
 - Design risk log.
 - Details of any HAZOP studies completed.
 - List of drawings/documents constituting the Form A submission with unique reference numbers and revisions.
 - Evidence that IDCs and IDRs have been satisfactorily completed.
 - Sub Discipline specific deliverables as specified in the relevant module of NR/L3/ELP/27406.
- h) Constructability Report (where required).
- i) Condition Reports (where required).
 - The Condition report should identify the condition of any assets that are to be retained either in their present state or as part of a refurbishment.
- j) Site Survey Report (where required).
 - The site survey report should include site locations, site descriptions and details of redundant assets.
- k) Redundant Assets (where required).