



RESEARCH DESIGNS & STANDARDS ORGANIZATION
Manaknagar, Lucknow – 226011

EL-WI-8.1-3

Work Instructions for Addition/deletion of make/vendors for existing items in Bill of Materials.

1.0 Amendment History:

| S. No. | Amendment Date | Version | Reasons for Amendment |
|--------|----------------|---------|---|
| 1. | First Issue | 1.0 | First Issued under new documentation system for ISO9001:2015. |

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2.0 Purpose

The documents contain directives for procedure for:
Addition/deletion of a particular make/vendor for existing items in bill of material (BOM) of items controlled by Directorate.

3.0 Scope of Application

This covers the procedure for vendor development for Electric Locos items, including items referred to by Railway Board from time to time.

Responsibility:

Directorate Head is responsible for establishing and changing of this procedure. All Unit Officers of the directorate are responsible for implementing and maintaining this procedure.

4.0 Procedure

- a) BOM items for which RDSO's/CLW/BLW/PLW/ICF/RCF specification exists and vendors are approved by these agencies - Latest vendor list published by these agencies, i.e. RDSO's/CLW/BLW/PLW/ICF/RCF, to be followed.
- b) BOM items for which RDSO's/CLW/BLW/PLW/ICF/RCF specification exists but the approved sources are not maintained in vendor directory of these agencies:-
Sources that comply with the tests specified in the specification shall be considered as approved sources.
- c) BOM items for which no railway specification exist:-
BOM shall include type and make of sub-component initially approved during prototype test or assembly manufactured by OEM. Further addition/deletion of make/vendor shall be governed by following guidelines:-
 - i) New vendor shall submit technical details of new product comparing it with existing make through main equipment manufacturer along with the recommendation for suitability of item. The offered new component should not only have performance parameter superior or comparable to existing make but it should also be one to one replaceable in terms of footprint, mounting dimension & procedure and electrical connection.
 - ii) The firm shall also submit the documentary proof of its product being used in rolling stock application along with the details where it is working or, any international certification of rolling stock application. In the case of non-availability of details of working or certificate for rolling stock application, Indian Railway may decide to conduct field trials for 6 month to study the suitability of the material for rolling stock application on Indian Railways.
 - iii) Firm shall also submit the compliance of its product to National/International standard if any along with test report.
 - iv) If required, bench test simulating the worst operating conditions shall be conducted for which the facility shall be provided by the manufacturer.
- d) Similarly, deletion of any make/vendor for subassemblies from existing Bill of Material (BoM) will be undertaken as proposed by OEM on account of poor performance of existing sub-assemblies, non availability/becoming obsolete or its replacement with new make/design of sub-assemblies leading to deletion of subassembly item from the existing Bill of Material (BoM).
- e) Any addition/deletion of make/vendor shall be done in the bill of material with the approval of Directorate Head.

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5.0 Referenced Documents:

The list of related documents for multi-sourcing of items / equipment are given below.

| Ref. SNo. | Document Number | Document Name |
|-----------|-----------------|---|
| 1. | PE-WI-8.1-12 | Addition/deletion of make/vendors for existing items in Bill of Materials |
| 2. | QO-D-8.1-6 | Vendor application processing |

6.0 Referenced Documents of External Origin:

Nil.

7.0 Associated Records:

Nil.

8.0 Responsibility and Authority

Responsibility and Authority of creation, maintenance and use of directives is as per table given under:

| Activity | Responsible | Approver | Supporting | Consulted | Informed |
|--|-----------------------|--------------|------------------|--------------|---|
| Creation, maintenance of this document | Director/ISO | PED/Traction | Concern Staff | | All Units of directorate through intranet |
| Compliance of directives contained in this document. | All Groups In-charges | PED/Traction | SSE/JE concerned | - | - |
| Requirement of deviation from directive. | Director In-charge | PED/Traction | SSE/JE concerned | Director/ISO | All groups through intranet |

9.0 Abbreviations

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| DG | : | Director General |
| PED/Traction | : | Principal Executive Director Traction |
| ED/RS | : | Executive Director Rolling Stock |
| DSE | : | Director Standards Electrical |
| DDSE | : | Deputy Director Standards Electrical |
| ADE | : | Assistant Design Engineer |
| STR | : | Schedule of Technical Requirement |
| QAP | : | Quality Assurance Plan |
| DM | : | Directorate Manual |
| P.O. | : | Purchase Order |
| BoM | : | Bill of Material |

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