

- Documentation and drawings shall be in accordance with EN 15016 standard and its annexes.
- For documents, drawings, catalogs and manuals, the original document language shall be English and each document and manual submitted shall be in English and Turkish.
- All manuals and documents to be delivered in printed form shall be in color and easily readable from a distance of 30 cm. 100 gr/m² thick paper will be used for printing.
- All printed documents will be delivered in A4 size folders (drawings/schematics may be in different sizes to ensure readability). All folders will be in one color, with a cover page and a pocket outside the folder to put the spine, 4-wire " Type "D" will be the document holding mechanism.
- If the content of any handbook (documents and drawings in the handbook) exceeds the capacity and size of a folder; other documents and drawings of the relevant handbook can be placed in a 2nd, 3rd or more folders. In this sense, for example, the mechanic's manual may be 3 folders.
- The identifying spine and cover form for each manual will be placed in color in the relevant folders.
- The first page of each manual will have a cover form and revision tracking list page.
- In the handbooks, there will be a named bracket between the headings of each topic.
- A bracket with the same colour in all documents will be used to separate the Turkish and English parts of each subject. Technical drawings will only be in the Turkish section.
- Drawings shall include title, drawing number, date, revision number, project number, reference to the next higher assembly group, material, weight, made/buy information and approval signature of the engineer concerned.
- All drawings and block diagrams shall be delivered in hard copy and electronic copy. All drawings and diagrams shall be on tear resistant, transparent polyester for easy copying.
- The drawings of the vehicle may be in different formats according to the scale and complexity of the vehicle; drawing dimensions will provide the standard as follows.
 - 841 x 1189 mm (DIN A0)
 - 594 x 841 mm (DIN A1)
 - 420 x 594 mm (DIN A2)
 - 297 x 420 mm (DIN A3)
 - 210 x 297 mm (DIN A4)

- Information on how to read the drawings of the vehicle and which code and abbreviation describes what will be clearly stated.
- The drawings shall be presented in a logical sequence so that TÜRASAŞ can easily understand the transitions and interactions between all main equipment, structural elements and sub-assembly groups and their cables, wiring and hardware.
- The drawings of the vehicle will be grouped according to the subject and systems; for example, the classification will be at least in the form of the following subject headings.
 - Vehicle Body Drawings (such as chassis group, side wall group, DRIVER CAB group, roof group, engine room group - seperatly)
 - Bogie Drawings,
 - Brake System Drawings,
 - Drawings of Heating Ventilation System with Cabin Air Conditioner,
 - Sandblasting System Drawings,
 - Lighting System Drawings,
 - Auxiliary Power System Drawings,
 - Drawings of Traction System,
 - Traction Motor and Gear Box Drawings,
 - Automatic and Semi-Automatic Harness drawings

For each group and sub-group, welding drawings and final dimensioned drawings will be created separately. Assembly drawings will also be created.

Design Handbook

The design manual will be used to make sense of the documents provided during the Locomotive design verification and design development process on the Vehicle Development Work-Time Plan and to follow the development process.

The design manual shall include at least the following basic vehicle development phases.

- 1- Concept Design
- 2- Preliminary Design
- 3- Detail Design
- 4- Final Design
- 5- Validation