

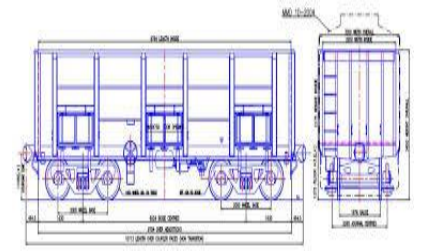
## Provision of Regulating services for the instructions and checklists for wagon maintenance and manufactured parts

Rahyab Behineh Consulting Eng. was assigned by Iran National Railway's(IIRR)Department of Freight wagons to provide unified, standard and comprehensive checklists and instructions for supervision of wagon's maintenance done by private contractors. The aim of providing such documents was to ensure the quality of maintenance done by contractors in addition to provide all stakeholders with unified and standard procedures for the maintenance of mentioned rolling stock.

These documents help the owners of wagons to know what to expect from contractors, help the contractors to follow standard maintenance procedures; and help the supervisors to check the quality of the maintenance as well as the spare parts used in them .

The documents including instructions and checklists were provided in 5 distinct categories:

- Car body and chassis (Covered Wagons, Flat Cars, Open top cars, Gandola cars etc.,) in addition to their Overhaul checklists
- coupling devices (SA-3 couplers, ringfeder Unicouplers, Miner Unicouplers, French willison Couplers, Indian Willison Couplers, Screw Couplers, LAF Screw Couplers)
- Bogies( Frame and leverage of Bogies H-665, 18-100, 3-axle parsi, Romanian new and old H, Y25LSD1, Y25R2A ,Y25CS)
- Braking Systems (under chassis braking leverage, different distribution valves, different types of break adjuster)
- Wheels sets & Bearing Boxes (including flange replacement, wheel welding, wheel profile lathing, NDT tests, Overhaul of bearing box and journal box, replacement of wheelset)



**Date: 2016/2017**

**Location: Tehran, Iran**

**Client: I.R.I. Railway Co.**