

Developing the safety index for I.R.I Railway Network

In this project, RAHYAB BEHINEH studied the safety issues in the railway maintenance and operation related to each operational region considering the different conditions.

In this investigation we have studied the fundamental of safety parameters reviewing the current safety condition, performing data collection, data analyzes, and developing new statistical indicators to measure the existing safety level. Also, RAHYAB BEHINEH suggested appropriate tools and equipment to record and calculate newly developed indices to enhance railway safety in each operational region.

- The main tasks involved are as the following:
- Reviewing the current situation
- Studying the effective parameters for safety evaluations
- Statistical studies on available data and setting the right statistical indicators
- Providing the right equipment for collecting, measuring and analyzing the data
- Evaluating Iran's Railway areas and presenting safety records
- Presenting reports and support services
- Reviewing the current system of repair and maintenance for cargo and passenger Railway vehicles
- Analyzing the points of Strengths, weaknesses, opportunities, and threats (SWOT)
- Setting Qualification conditions for manufacturers of spare parts, general contractors and supervisors
- Qualifying the registered companies
- Presenting the new system of interactions to the qualified companies
- Hold Training courses for stakeholders to learn about new system
- Managing the Implementation of the systems, following the ISO 2008-9001 for all stakeholders



Date: 2015/ongoing

Location: Tehran

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