Costs of lacking conformity in railway components

Background

A railway system is commonly stretched out over hundreds, if not thousands of kilometres. It also contains a very large number of components. Due to different reasons – that different parts of the railway are constructed at different times being one major reason – there is a wide diversity on components and technical solutions. There are large costs related to the asset management of this wide spectrum of components and solutions.

Scope of the project

With focus of a part of the railway system, suggestively switches & crossings:

- Investigate which strategies that have been employed at Trafikverket (and Banverket and SJ) to supply systems and components.
- Investigate common status. How large is the diversity, and what are the consequences.
- Future strategies: How can the complexity be reduced, and roughly what are the related (life cycle) savings?

Student competencies

Railway technology. At least one student should be proficient in Swedish to aid in reading Trafikverkets documentation.

Supervisors

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