SOFTWARE REQUIREMENTS SPECIFICATION

for a

Train Control System

Release 1.0

Version 1.0 approved

Contents

Revision History

1 Requirements

Req-1.0.0.1	Some requirements may be optional. Spec-2.0.0.1

1.1 XMF-Language

1.2 Kernel

1.3 X-Modeler

1.3.1 Diagrams

Multi-Level Diagram

2 Specifications

Spec-2.0.0.1	Some specifications may be optional. Req-1.0.0.1

2.1 XMF-Language

2.2 Kernel

2.3 X-Modeler

2.3.1 Diagrams

Multi-Level Diagram

2.3.2 Signals

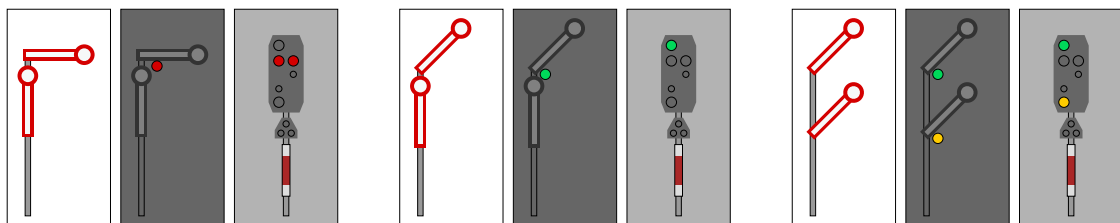| Spec-2.3.2.1	Hp0: Stop aspect. One or two red lights. See Fig. 2.1, **??**, **??**
Spec-2.3.2.2	Hp1: Proceed aspect. One green light. See Fig. 2.1, **??**
Spec-2.3.2.3	Hp2: Slow aspect. One green over one yellow light. Shown for speeds up to $60kmh^{-1}$. If no speed is specified by Zs3 the limit is $40kmh^{-1}$. This default speed limit may be changed to $50kmh^{-1}$ or $60kmh^{-1}$. See Fig. 2.1, **??**, **??**, **??**, **??**, **??**, **??**, **??**

Figure 2.1: from left to right: Hp0, Hp1, Hp2

3 Weekly Reports

3.15 2015

3.15.37 7 Sep 2015 - 11 Sep 2015

- Made browser tabs closeable

- Init Requirements and Specifications in LaTeX

- Added Panic button to GUI

- Image loading: XML file now derived from IMG file name and path instead of storing that information in the IMG file.

- Division of BigIntegers fixed, Multiplication of negative Integers fixed

3.15.38 14 Sep 2015 - 18 Sep 2015