CSIRT VISION

S2R-OC-IP2-01-2019: Demonstrator development for the use of Formal Methods in railway environment - Support to implementation of CSIRT to the railway sector

Hit Rail BV, railway owned technical service provider

Based in The Netherlands & operating in 22 European countries

Expertise in railway IT connectivity and interoperability

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CSIRT VISION:OBJECTIVES and SCOPE

Computer Security Incident Response Team implies:

- A **distributed team** from the European Rail Sector,
- A **plan for response** to specific **incidents**,
- Operational **model for human response,**
- Platform for **secure collaborative working,**
- **Secure European Network** for interconnection.

To **deliver a CSIRT MODEL dedicated to railway:**

- Identify and agree ***Railway Needs***
- Clarify ***preferred Collaboration Approach***
- Ensure ***wide agreement among Railway Actors***

To **deliver a TRL4 collaborative environment prototype:**

- Identify reliable base ***Collaborative Working Platform***
- ***Adapt to Rail CSIRT Model***

or

- ***Create Rail CSIRT collaborative environment prototype***

PROJECT ROLES / TASKS

- Rail Collaboration Modelling (People side of CSIRT)
- Technical Requirements / Architecture Design
- Secure Collaborative Working Design
- Prototype Development
- Field Testing (realistic on secure network and platform)
- Rail community organizing / events / engagement
- Secure hosting and EU secure network provision

HIT RAIL BACKGROUND & ROLE

- Working with EU Rail stakeholders
  - http://www.st4rt.eu
- Organised Rail Cybersecurity Conference
  - https://www.hitrail.com/events/cyber-security-for-railways-conference-2017
- Studied CERT, CSIRT and ISAC models for Rail
- Conducted discussions with EC Cyber Team and several DGs
- Mediated Rail-Commission and ENISA meetings for ISAC planning
- Operate Secure VPN for Rail-to-Rail secure collaboration
- Operate secure data handling, storage and interoperability services

NEXT STEPS

- Form the project team
- Begin detailed working a.s.a.p.
- Work closely with key Rail actors (IMs and RUs + EU level)
- Establish shared vision before proposal
- Work closely with Shift2Rail
- Discussion and preparation starts today !