



MANAGING CYBER RISK IN THE RAILWAY ECOSYSTEM: TOWARDS A JOINT APPROACH

4TH ENISA-ERA CONFERENCE

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OVERVIEW

- Who are we
- Need and goal for collaboration
- Scope of collaboration
- Mutual concerns
- Next steps
- Conclusion



WHO ARE WE?



The Community
of European
Railway and
Infrastructure
Companies



European Rail
Infrastructure
Managers



The European
Rail Supply
Industry

3
Representative
Bodies

→ Representing the majority of the rail market !

→ Creating for the first time an overarching joint working group on cyber security in close co-operation with the security domain team of the Europe's Rail System Pillar!

NEED FOR COLLABORATION

Railway is digitalising,
connected, complex
and safety related

Sharp increase in cyber
threats

New and challenging
cyber legislation

We need continuously to embed and improve a cyber secure culture within the sector since:

1. All these challenges can only be faced successfully by a united rail sector → **The bad guys collaborate, so the good guys have to collaborate as well!**
2. We need together to apply the transversal legislation efficiently and successfully to the sector and provide input to sector specific legislation to ensure that it is fit for purpose.

SCOPE OF COLLABORATION

FOCUS:
ENSURE RAILWAY OPERATION
(FOR MISSION CRITICAL SERVICES)



Source: Enisa report on railway cybersecurity

COLLABORATION BETWEEN:

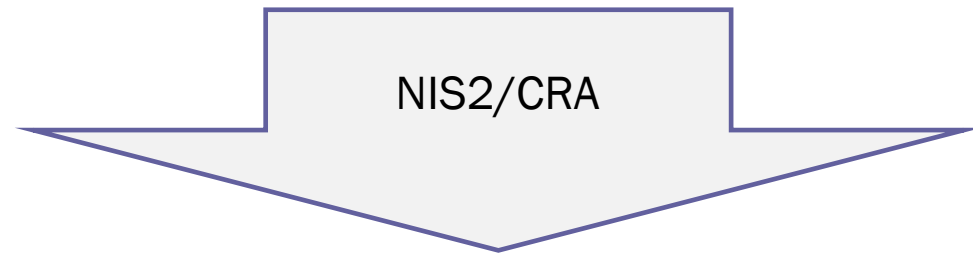
- ✓ Railway Undertakings
- ✓ Infrastructure Managers
- ✓ Manufacturers of rolling stock
- ✓ Manufacturers of railway equipment



Align with "detailed" proposal:

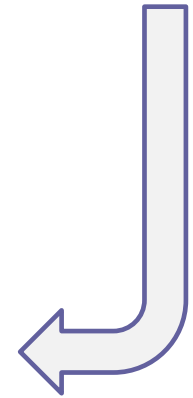
- ✓ EC
- ✓ ERA
- ✓ ENISA
- ✓ National bodies
- ✓ ...

NIS2/CRA



TARGETS:

- ✓ Railway Undertakings
- ✓ Infrastructure Managers
- ✓ Manufacturers of rolling stock
- ✓ Manufacturers of railway equipment
- ✓ ICT service providers
- ✓ Manufacturers of ICS/ OT equipment
- ✓ Manufacturers of ICT equipment
- ✓ ...



MUTUAL CONCERNS

- About 25 points of concerns were identified around NIS2 and CRA (including Cyber security versus safety and Workforce issues).
- To bootstrap our collaboration, we decided to start focusing on two topics on:

System Extensions

Classification of systems and components in relation to CRA



NEXT STEPS

- Assess our approach and way of working to be able to tackle other topics
- Assess/open up for other associations to join and willing to actively participate specifically for urban rail
- Create roadmap / program of work based on topics selected, create backlog
- Evolve into a rail sector platform on cybersecurity

CONCLUSION



Cybersecurity is a key topic/area of concern for the sector



We are creating the first overarching sector wide group on cyber security



We are willing to cooperate with EU institutions and other associations