



# Becoming an OES: our first year



Joseph Mager

NS Risk – CISO Office

December 2022

rail

1



# We offer our customers a pleasant train journey



# NIS Directive did not apply to NL Rail Sector

## Rail Network NL



## Rail Network Cyprus/Malta



# Our voyage towards becoming an OES

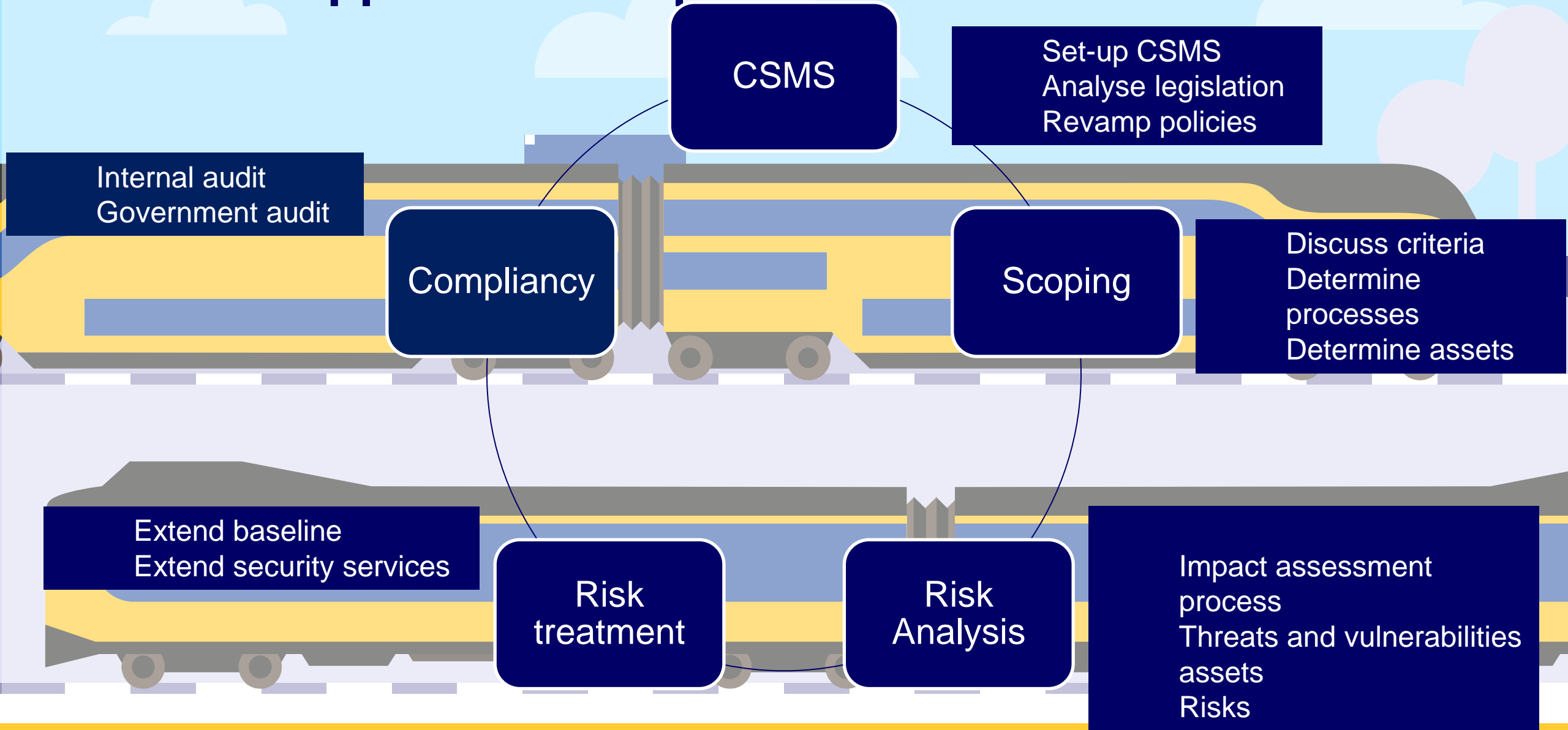
Initial Risk  
analysis for the  
Rail Sector

Identification of  
Rail Sector as  
Critical  
Infrastructure

Designation of  
Operators of  
Essential Services

Sector specific  
legislation and  
frameworks

# Our approach to Implement the I into NS for NIS



# Extending our baseline approach for cyber

## Process BIA

- Business Impact
- Selection of Applications

**Business owners understand impact**

## Threat Analysis

- Detailed analysis
- Likelihood

**Developers understand threats**

## Risk Treatment

- Determining additional measures per application

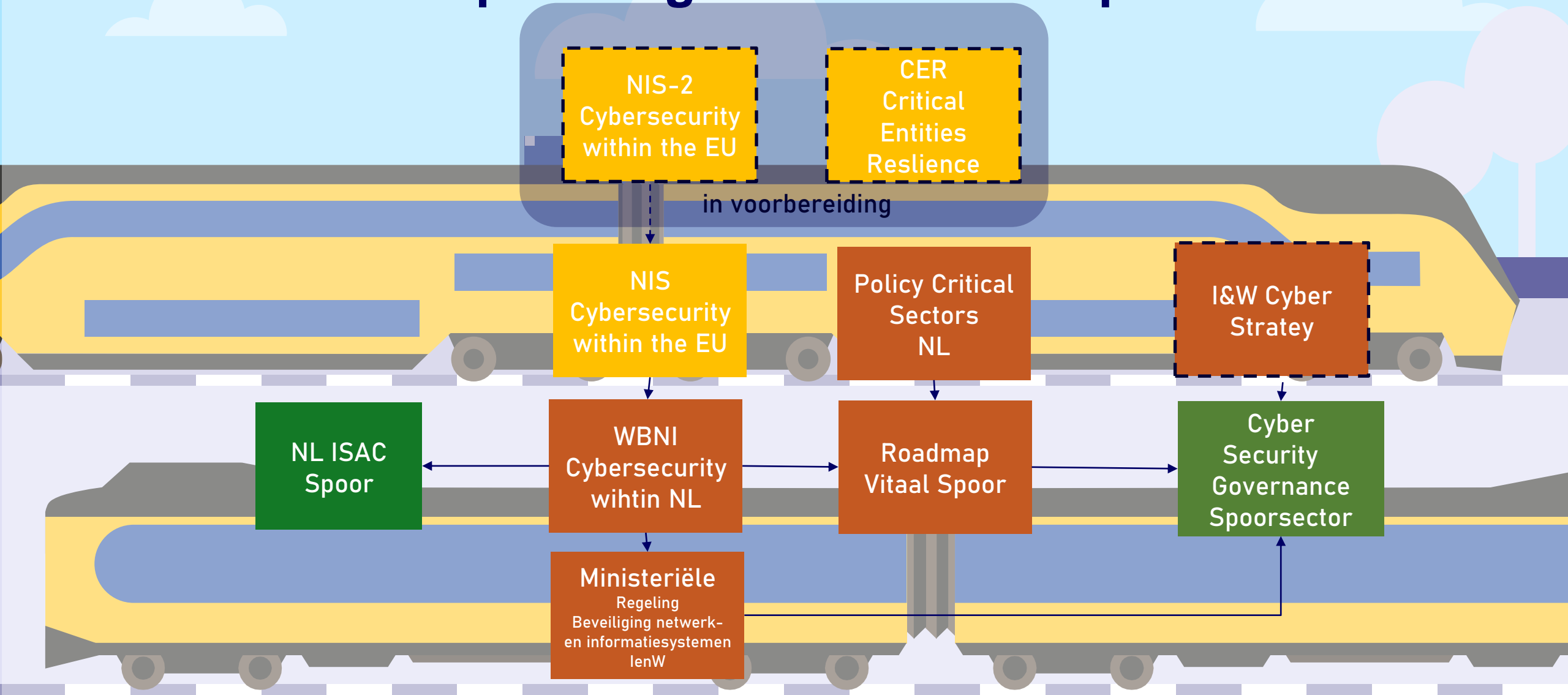
**Risk based Measures**

**Compliance Measures**

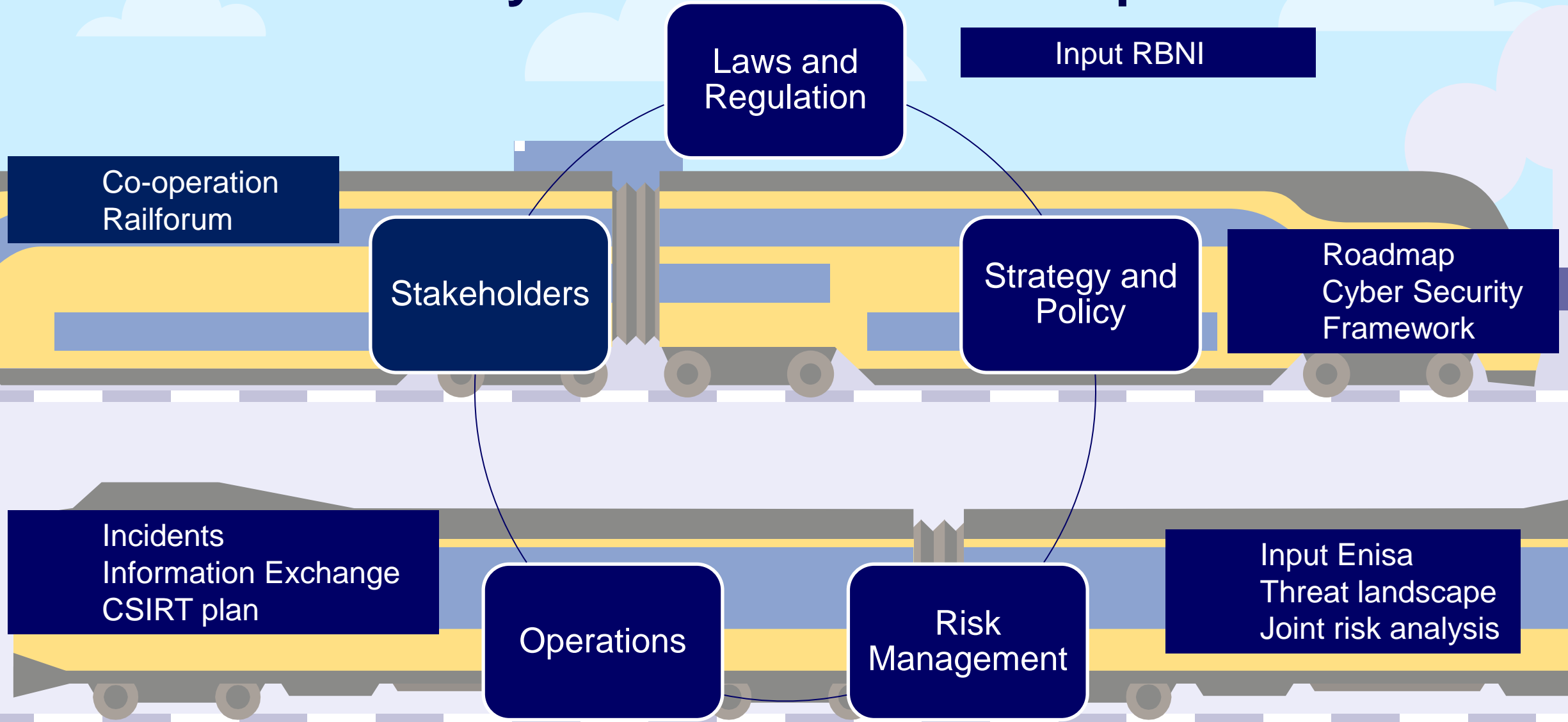
**Baseline Measures**



# Landscape of regulation and co-operation



# Results of Cyber Governance and Spoor ISAC





# What we have learned

- 1) Implement legislation to boost existing initiatives
- 2) Scoping is difficult and needs attention
- 3) Determine risks at various levels
- 4) Setting up sector wide mechanisms and methods takes time
- 5) Cooperation needs trust, cooperation builds trust