



CISO's Challenges & Priorities: Transport



This document is the result of an **EU-wide survey** of **+100 contributions** of CISOs or equivalent, from a wide range of sectors.

It proposes both a **deep dive sector** by sector analysis and a set of **cross-sector recommendations**.

[READ THE REPORT](#)

⚠️ Top cyber threats in the transport sector

- Data Leakage
- DoS/DDoS Attacks
- Insider threat
- IOT Vulnerabilities/Legacy systems
- Weaknesses in mobile device security
- Advanced Persistent Threat (APT)
- Ransomware, Malware
- Phishing/Email attacks

🚶 Top cyber challenges in the transport sector

- **Lack of time** to implement controls, systems, and a comprehensive cyber-strategy
- **Lack of awareness** from both management and staff
- **Lack of budget** due to restrictions
- Lack of qualified and/or trained **personnel**
- Complexity and **legacy of the systems**



In-company & Governance Challenges / Priorities for CISOs

🔍 Focal point 1

Certification

- Companies are certified and **CISOs are involved in the process**.
- Importance to **maintain a balance between certification and agility** of processes and operations.
- Frequent **use of cyber range exercises**

🔍 Focal point 2

Code of Conduct for CISOs

- Code of Conduct is **welcomed** and will **provide a minimum acceptable level of cybersecurity posture** in companies especially the OES.
- Importance to **educate senior management** about IT security issues by integrating Corporate Risk Management with Cyber Risk Management.

🔍 Focal point 3

Board of Directors

- Need to establish a **direct channel of communication to the Boards**, e.g., specific reporting committee.
- CISOs to **better communicate to Boards** in terms of business and economic impact
- Importance to **align with HR** for spreading cyber threat **awareness across the company**

🔍 Focal point 4

Information sharing

- **Collaboration between EU-wide and nation-wide authorities and OES** aiming for homogenisation of standards and controls and the creation of a trusted environment for information sharing between countries and sectors.
- **Define a common framework** with the same compulsory controls in every EU country and **learn from more mature sectors**

🔍 Focal point 5

Procurement

- **System integration & maintenance, offered functionality & performance, cost & certification of the product/reliability**, are the main criteria for procurement
- Using **EU certified cybersecurity solutions** is considered as highly important.



Cooperation Challenges / Priorities for CISOs



Further reading from ECSO

ECSO Sector Report [Transportation sector report: Cybersecurity for road, rail, air and sea](#)