



ERC I | cybersecurity seminar | Barcelona 1st March 2018

Cyber Security context and Cyber Attacks trend

Critical Infrastructures (CIs) are both physical and virtual assets, systems and networks, whose aim is to ensure the life in a country.

Transportation systems and telecommunications are CIs: damage or destruction by natural disasters, terrorism and criminal activity may have negative consequences for the security of the entire community.

The Cyber Security activities are aimed to protect the transportation system information, minimizing risks related to data Confidentiality, Integrity and Availability, defined as:

- Confidentiality:** property that information is not made available or disclosed to unauthorized individuals, entities, or processes.
- Integrity:** property of accuracy and completeness.
- Availability:** property of being accessible and usable upon demand by an authorized entity.

Known attacks to Critical Infrastructure are growing. Notwithstanding they are the 3% of the whole attacks, in 2015 this aspect has grown of 154% with respect to 2014. (CLUSIT2016 - Associazione Italiana per la Sicurezza Informatica)

Creation of a ERCI task force on cybersecurity

Interested clusters and members:

Clusters	i-Trans	Rail Alliance	Ditecfer	Railgrup	CNA	BTS	Berlin Partner	Inno-Pro
Country	FR	UK	IT	ES	DE	DE	DE	DK
SME	CERTIFER BIZZDEV MC2 Technologies	RAZOR Secure Synectics				IFB Institut für Bahntechnik GmbH Datom GmbH CERSS		
GE	SNCF PROSYST BOMBARDIER	THALES AIRBUS Cyber NCC Group	THALES IDS TECNAU TRANSPORT	BOMBARDIE R APPLUS TALGO THALES APPLUS TÜV-SUD				
Univ / labs	RAILENIUM UVHC IFSTTAR	Surrey Univ Newcastle Univ	Scuola Superiore Sant'Anna CNR	EURECAT	TUV Rheinland	TU Dresden	Alpha Strike Labs GmbH	
Asso	FIEEC/ACN							

Creation of a ERCI task force on cybersecurity TO SECURE EuropeanTRANSPORTATION

Tasks and timeline :

Tasks	In charge	Timeline
Identify members and engage them in the ERCI taskforce	all	December 2017
Organise kick-off	i-Trans	February 2018

Actions plan :

1. Identify your critical assets and systems
2. Assess the vulnerabilities and risk for these assets & Treat these risks to reduce or mitigate
3. Develop policies & procedures to support the security posture & Educate personnel so they understand their role in security

ERCI SEMINAR and Meeting of the ERCI task force on cybersecurity. TO SECURE European TRANSPORTATION

Hosted by EURECAT-Railgroup



AGENDA

10:00 hrs.	Welcome to ERCI Task Force. EURECAT-Miquel Rey. DG Business Development
10:15 – 10:45 hrs.	EURECAT on CyberSecurity and transportation Dr. Juan Caubet is the director of the IT Security Unit of Eurecat & Joan Lluís Mas, director of Digital Units.
10:45 - 11:30 hrs.	BOMBARDIER. The need of Standards. Bombardier Transportation, Rail Control Solutions (RCS). Mr. Tiago Marques. Lead Cybersecurity Engineer at Bombardier.
11:30 – 11:45 hrs.	Cybersecurity competences in ERCI. Mss. Angelina Boulard. i-TRANS on behalf of ERCI
11:45 – 12:15 hrs	France : IFSTTAR. Christophe Gransart.
12:15 – 13:15 hrs	Networking Lunch, courtesy of EURECAT
13:15 - 13:45 hrs	Germany : Alpha Strike Labs GmbH
13:45 – 14:15 hrs	Italy. TECNAU TRANSPORT
14:15 – 14:45 hrs	ERCI. Task Force on CyberSecurity next actions and deadlines
14:45 – 15:15 hrs.	Conclusions and Wrap Up.

Potential New Members from Ccall of Friday the 9th february 2018

- Annette: I would like to participate in the Cybersecurity-Workshop and bring one or two of our members. Is this ok for you? Do you have further information about it in the meantime? Or do you need a speaker in a special subject I could search for in our network?
- Lutz: I will participate and will bring one of my members with me. Some other requests have been taken but without presentation so far. I intend to give a very short overview on cybersecurity in our region.
- Tobias ZILLNER
Company: Alpha Strike Labs GmbH (SME)
Topic: Security of trains, their architecture and problems of physical IT security

