



ICAO EUR/NAT DGCA meeting

10 May, 2022

New EU legislation on aviation cybersecurity

Máté Gergely
Policy Officer

European Commission
DG MOVE – Directorate-General for Mobility and Transport
Directorate A – Policy Coordination
Unit A5 – Transport security



@Transport_EU

Mobility and
Transport

CONNECTING
EUROPE



Horizontal EU cybersecurity legislation: the NIS Directive

- **Directive 2016/1148** concerning measures for a high common level of security of network and information systems across the Union
- EU Member States have designated “**Operators of Essential Services**” (OES) across 7 economic sectors including 165 in aviation
- OES are required to take “**appropriate and proportionate**” cybersecurity **measures** and notify serious incidents to authorities
- Allows for **sector-specific rules**
- Ongoing **revision** → “NIS 2”





EU cybersecurity legislation under the AVSEC framework

- **Regulation 2019/1583** transposed cybersecurity standards in **ICAO Annex 17** by amending Regulation 2015/1998 laying down detailed measures for the implementation of the common basic standards on aviation security
- Entry into force: **31 December 2021**
- **Support** to Member States and industry in implementation:
 - Regular exchanges (AVSEC, SAGAS, Aviation Cybersecurity WG)
 - Guidance by DG MOVE
 - Transport Cybersecurity Toolkit





Scope and general obligation

- **Scope:** Airport operators, air carriers and entities falling under EU AVSEC regulations
- **Obligation:** Identify and protect critical information and communications technology (ICT) systems and data from cyber attacks which could affect the security of civil aviation.
- High-level requirement





Measures

- Airport operators, air carriers and entities shall introduce **detailed measures** to ensure the protection from, detection of, response to and recovery from cyber-attacks.
- In accordance with a **risk assessment**.



Background checks

- Persons having administrator rights or unsupervised and unlimited access to critical ICT systems and data..., or having been otherwise identified in the risk assessment shall be subjected to
- **Background checks**



Skills and awareness

- Persons implementing the [cybersecurity] measures shall have the **skills and aptitudes** required to carry out their designated tasks effectively.
- They shall be **made aware** of relevant cyber risks on a need-to-know basis.



@Transport_EU

Mobility and
Transport

CONNECTING
EUROPE



Specific training

- Persons having access to data or systems shall receive appropriate and specific job related **training** commensurate with their roles and responsibilities.
- The **appropriate authority**... shall specify or approve the content of the course.
- Discussed at AVSEC, Aviation Cybersecurity WG etc.



Further EU cybersecurity legislation: Safety

- **EASA Opinion 03/2021 of 11 June 2021** on Management of information security risks
- To cover the **whole aviation value chain** from the safety angle
- **EU legislative procedure** ongoing



**Thank you for your
attention**

Máté Gergely
email: Mate.Gergely@ec.europa.eu

 @Transport_EU

Mobility and
Transport

**CONNECTING
EUROPE**