TOWARDS CONSISTENT AND EFFICIENT REGULATIONS AND OVERSIGHT FOR CYBERSECURITY RISKS - POLAND

March 2020

Why should we care

1. Civil aviation is still a high value target

2. Aircrafts, air navigation services, ground handling services and whole aviation sector are dependent on computer equipment and new IT components … - and it is inevitable. Civil aviation became more and more interconnected and interdependent …

3. Aviation incident can have potentially far reaching and very serious repercussions … for passengers, staff & economic interests, reputations of the states and aviation entities & a lot of other areas

CYBERSECURITY LEGISLATION (1)

EU & international legal acts concerning aviation cybersecurity

- **Directive 2008/114/EC of 8 December 2008 on the identification and designation of European critical infrastructures and the assessment of the need to improve their protection (many amendments)**

- **Directive (EU) 2016/1148 of 6 July 2016 concerning measures for a high common level of security of network and information systems across the Union (also called 'the NIS Directive'),**

- **Regulation (EU) 2015/1998 of 5 November 2015 laying down detailed measures for the implementation of the common basic standards on aviation security (amended by Reg. 1583/2019)**

- **Amendment 16 to ICAO Annex 17 adopted by the Council on 14 March 2018 (Measures relating to cyber threats)**

- **Current set of EASA aviation legislation *(& future Commission Regulation on … management of information security risk ... - ISMS)*** **(3)**

CYBERSECURITY LEGISLATION – (2)

Polish legal acts concerning aviation cybersecurity:

- **Act of 5 July 2018 on the National Cyber Security System & suplementary legislation (to implement NIS) & Administrative Decisions of Minister of Infrastructure appointing Operators of Key Services**

- **Act of 26 April 2007 on Crisis Managment & suplementary legislation (to implement Directive on European critical infrastructures)**

CYBERSECURITY LEGISLATION – (3)

Polish legal acts concerning aviation cybersecurity:

- **Regulation of 26 August 2003 on content of aviation security programs**
- **Airports and Air Carriers security programs – proces of approving by CAA**
- ***Draft* of amendment to National Civil Security Program (to implement Aviation Act & Reg. 1583/2019)**

Article 7 of the Constitution of the Republic of Poland

„ … authorities act on the basis and within the law”

COORDINATION AND MONITORING OF THE CYBER-RELATED PROVISIONS

„ … authorities act on the basis and within the law…”

1. *Draft* of amendment to National Civil Security Program (to implement Aviation Act & Reg. 1583/2019)

2. Current leding role of Crisis Managment Department in Polish Ministry of Infrastructure

3. Cordination and monitoring

4. Good cooperation between institutions institutions engaged in cybersecurity in aviation, our pragmatism and flexibility are crucial

COORDINATION AND MONITORING OF THE CYBER-RELATED PROVISIONS

NIS Directive & European Critical Infrastructures Directive

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Act on National Cyber Security System & Act on Crisis Managment

Regulation 1998/2015

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Polish NASP

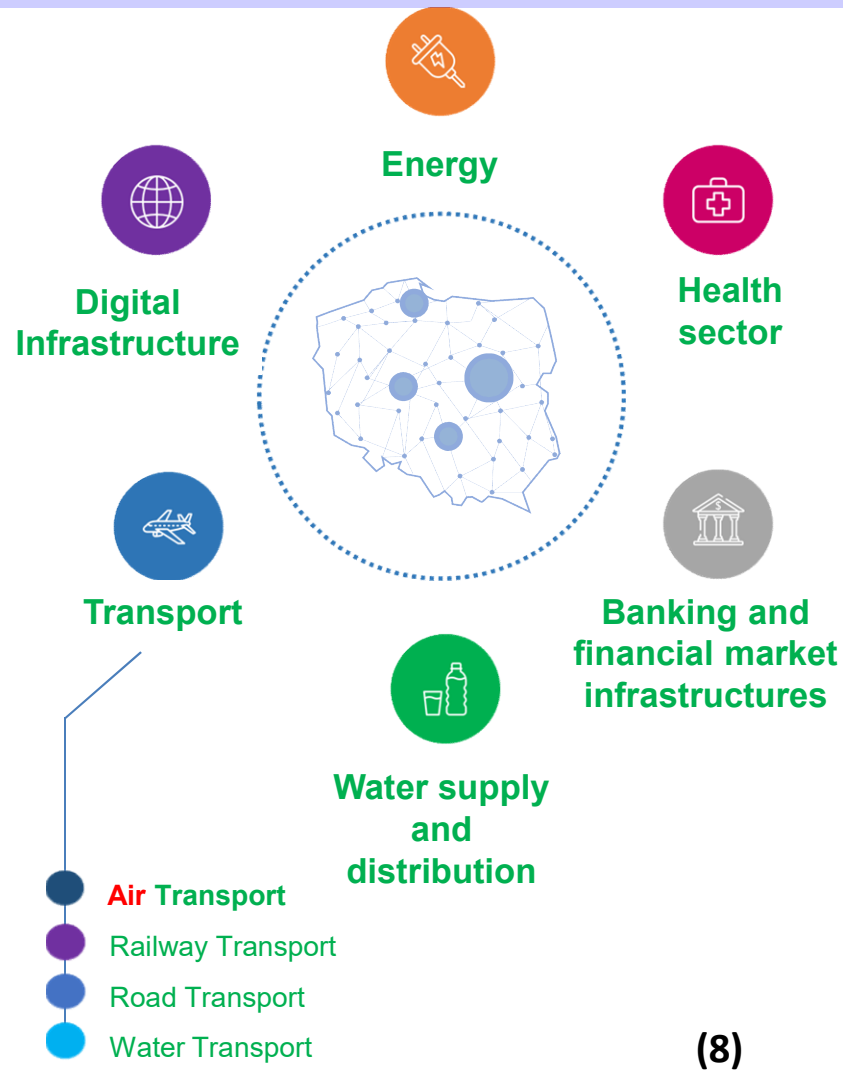
Sectors & sub-sectors

CSIRTs

Essential services

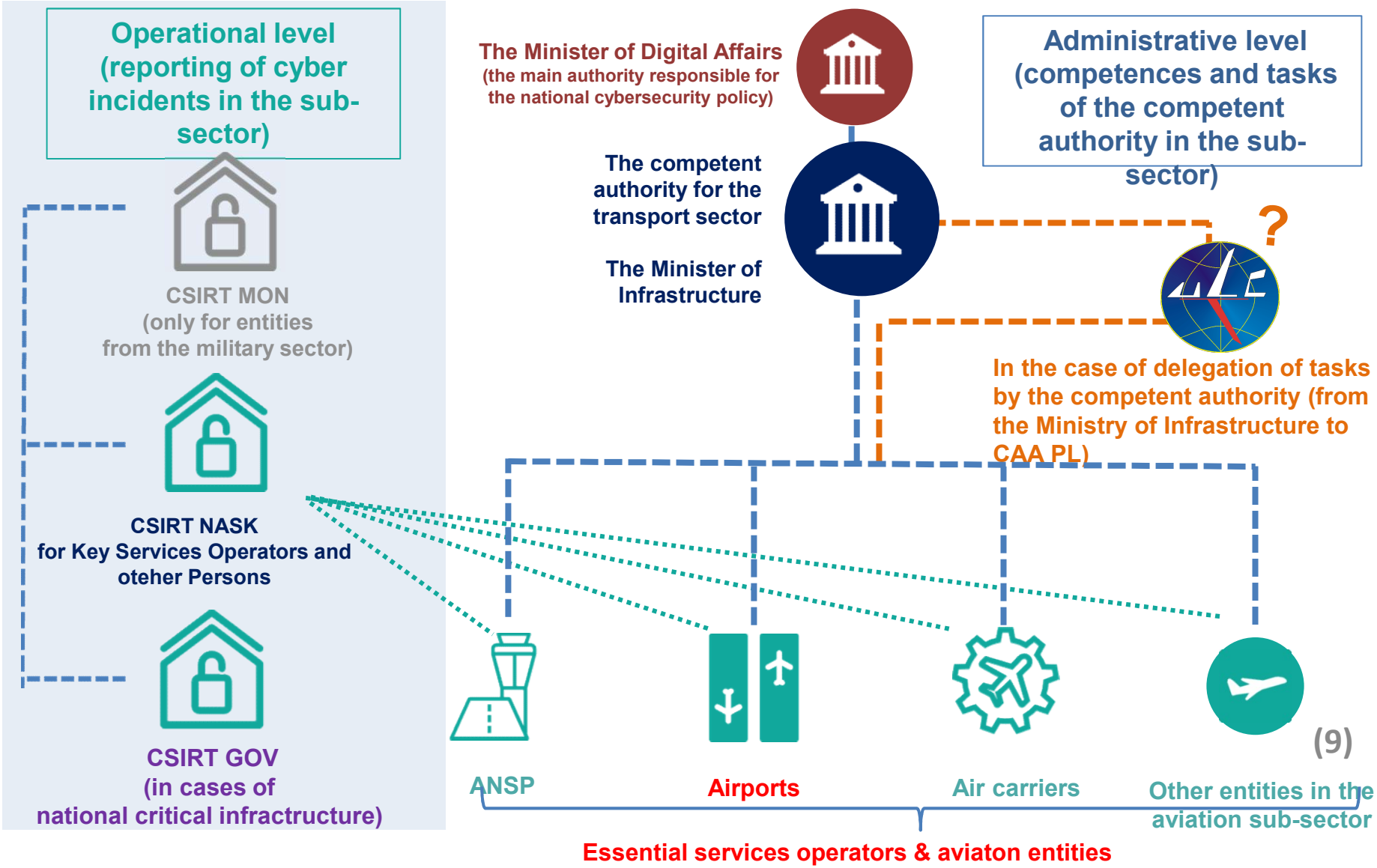
Essential services operators

Competent & Apropriate authorities



CYBERSECURITY SYSTEM IN THE POLISH AVIATION SUB-SECTOR

(according: NIS Directive & Act on National Cybersecurity System & Polish NASP)



Main challenges

„ … authorities act on the basis and within the law”

1. Harmonization and minimal standards for most important types of equipment are necessary

2. Regulation 1998/2015 point 1.7.3. states:
”The detailed measures to protect such systems and data from unlawful interference shall be identified, developed and implemented in accordance with a risk assessment carried out by the airport operator, air carrier or entity as appropriate.”

3. DIRECTIVE (EU) 2016/1148
”Member States shall ensure that operators of essential services take appropriate and proportionate technical and organisational measures to manage the risks posed to the security of network and information systems which they use in their operations. Having regard to the state of the art, those measures shall ensure a level of security of network and information systems appropriate to the risk posed.”

(10)

„ … authorities act on the basis and within the law”

Thank you !

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