2020 High Level Cybersecurity Conference
EASA - AESA

EU regulation for the management of cyber risks implementation

Implementation in France

Madrid, 4th of March 2020

Anne Frisch – Head of the cyber security programme

Liberté • Égalité • Fraternité
RÉPUBLIQUE FRANÇAISE

Ministère de l'Environnement, de l'Énergie et de la Mer

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Cyber security REGULATION … Implementation?

Safety

Security

Economy

Defense and national security

Air Navigation

Airlines

Airports

Aeromedical

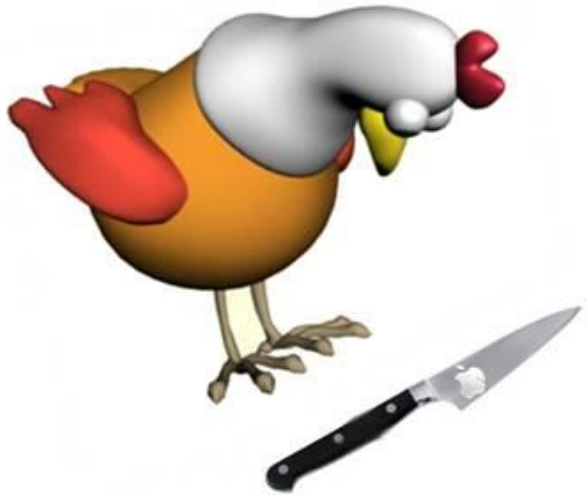
Flight simulator

A/C Maintenance

Continuous Airworthiness

A/C Production

A/C Design



2021

2020

2018

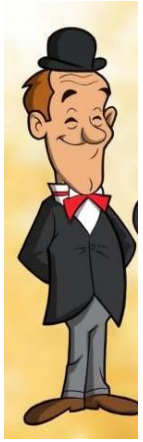
2016

March 4th 2020

Cyber security REGULATION … Implementation?

Various sizes
of organisation

XXXL
XXL
XL
L
M
S
XS



Cyber security REGULATION … Implementation?

Information systems of <u>small</u> organisations are connected to information system of <u>large</u> organisations to exchange useful data

For the best

Cyber security REGULATION … Implementation?

For the worst, if transmitting attacks or viruses

The risk is not proportionate to the size of the organisation

Cyber security REGULATION … Implementation and oversight?

2 strong principles:

1) to address **cyber security** with **a global approach,** not "in silos" (economy, security, safety, etc.) but per organisation taking into account interfaces with other organisations with an initial global risk analysis approach,

2) To take into account the fact that the risk generated is not proportionate to the size of the organisation. The small organisations will not use the same means as large organisations but the objectives to achieve are the same.

Cyber security REGULATION … Implementation?

French Law

Transposition NIS Directive

Regulation 1998/2015

Regulation Part AISS

A single framework

0. Gouvernance Management
1. Identify
2. Protect
3. Detect
4. Response
5. Recovery

- The same for all organisations
- Drafted in a logical order, and in an operational manner
- With milestones : step by step approach rater than a fast but bad implemenattion under the pressure of a target date
- Including good practices which can be implemented quickly

2016 — 2018 — 1st sem. 2020 — 31 Dec 2020 — 2nd sem. 2021

By applying this single framework, the organisations will be sure to comply with the 4 pieces of regulation in force in France by the end of 2021

Cyber security … Conformity and Performance assessement?

Since 2014

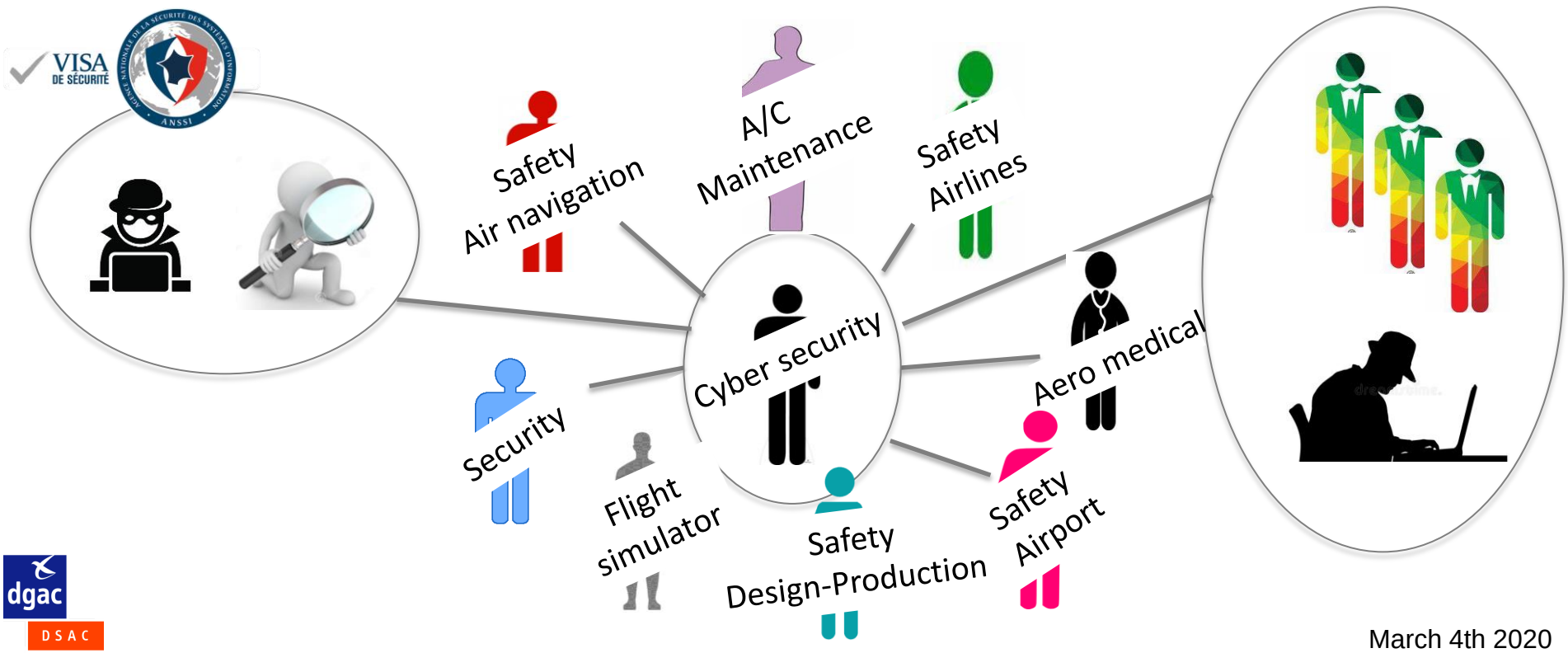
Qualified entities
Contractors for DGAC/DSAC

dgac DSAC

French Air Transport supervisory Authority

In 2018

ANSSI
The French cyber security Agency



Cyber security … Conformity and Performance assessement?

- DGAC/DSAC is in charge of assessing the French air transport organisations for safety , security and cybersecurity (Conformity to regulation and Performance assessement)

- ANSSI, the French cyber security agency, conducts cyber security audits in the various sectors of the French economy

- Since 2014, DGAC/DSAC has been conducting cyber security audits relating to air navigation with the support of external entities qualified by ANSSI, the French cyber security agency.

- In 2018, ANSSI and DGAC signed a cooperation agreement on various topics, among others on the assessement of organisations

- ANSSI and DGAC have complementary skills and will coordinate their audits in this sense to avoid duplications and to optimize the efficiency for the sake of both, Organisations and Authorities ➔ a "Win-Win" ANSSI-DGAC relationship

- DGAC/DSAC itself, will assess in particular:
  - The Information Security Management Systems (ISMS)
  - The articulation between **safety management** and **information security management**
  - The Risk analysis assessments

We will:

- conduct **some joined audits** with safety auditors on the one hand and with security auditors on the other hand.

- adopt a **Risk Based Oversight (RBO)** approach

Cyber security requirements on screening equipments … Expectation 1

Need of cyber security requirements for screening equipements

DG MOVE

Realistic and step by step in conjonction with industry

Cyber security implementation … Expectation 2

DG CONNECT

DG MOVE

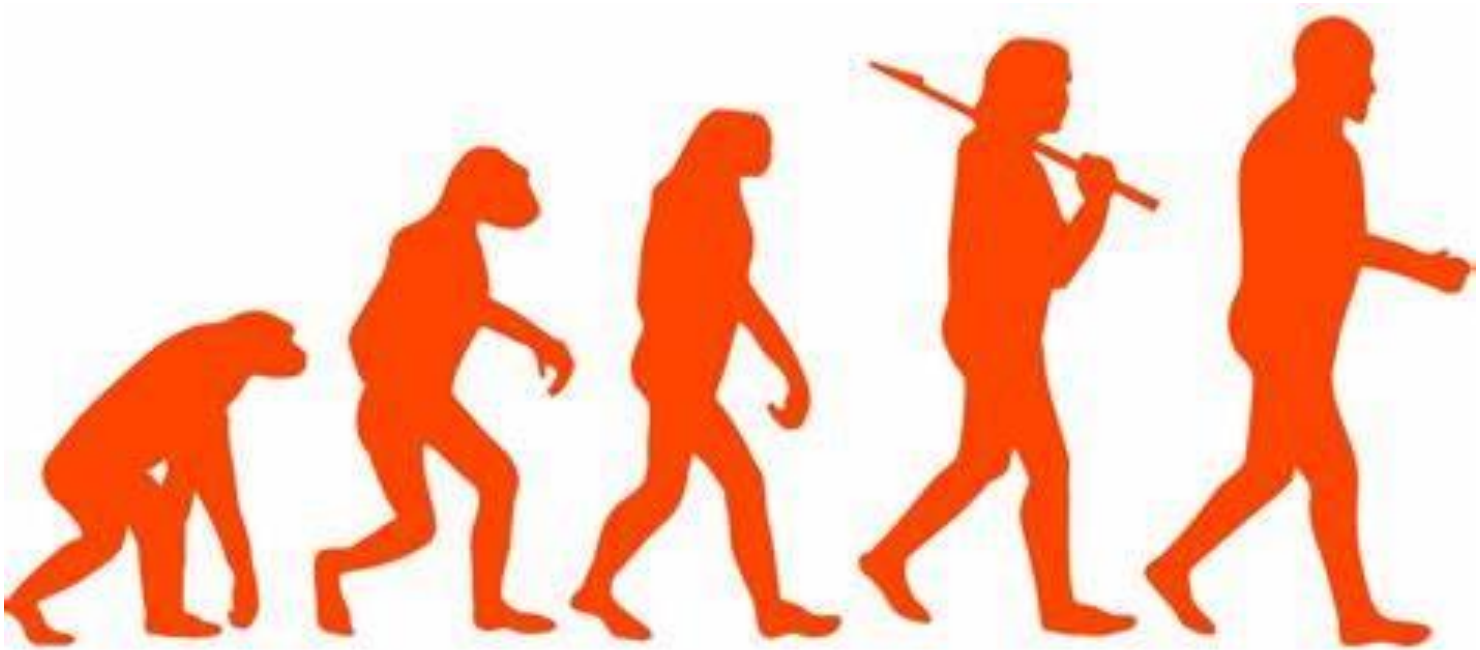
EASA
European Union Aviation Safety Agency

- Acceptable Means of Compliance
- Guidance Material
- Training toolkit
- …

We dream of an <u>unified</u> production of AMC, GM, etc.

dgac
DSAC

Cyber security implementation … Expectation 3



Milestones
bring realism, incentive, efficiency

We dream of the adhesion of the European authorities
to a step by step implementation