OVERVIEW OF JOB ROLE INTERDEPENDENCIES BETWEEN **SECURITY AND SAFETY**



RESEARCH STUDY ON THE IMPACT OF SECURITY MEASURES ON SAFETY

EASA is actively collaborating with a consortium to examine the Impacts of Security Measures on Safety. The first task of this study has identified some interdependencies between safety and security, with a specific emphasis on assessing how security measures impact overall safety.

Here are some key findings on aviation job roles with safety-security interdependencies:

JOB ROLES AT A GLANCE

Our research assessed the job roles within civil aviation that have both safety and security interdependencies, in accordance with international

standards and EU regulation*.



50.7%

of safety roles include a security interdependency



63.6%

highest percentage of safety-security interdependencies

and Implementing Regulation (EU) 2015/1998.

*ICAO Global Risk Context Statement, ICAO Doc 8973

PERCENTAGE OF SAFETY ROLES BY DOMAIN WITH A SECURITY INTERDEPENDENCY



Aircraft Equipment (including design certification and airworthiness)

13 job roles analysed

Aircraft and

2 with security functions



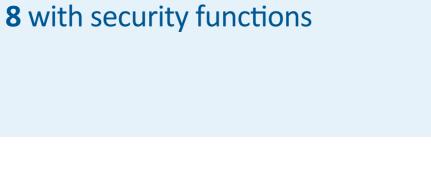
50%

11 job roles analysed 7 with security functions

Air Traffic Services

Air Operations

16 job roles analysed





11 job roles analysed

UAS

7 with security functions

Aerodrome /



Airport Operation 13 job roles analysed 8 with security functions



Ground Operations 5 job roles analysed

3 with security functions

DIFFERENT CATEGORIES OF ROLES IN MANAGING SAFETY-SECURITY INTERDEPENDENCIES

By examining job roles

encompassed within the realms of safety and security, five distinct categories emerged. These roles involve intricacies of safety-security interdependence, often requiring post holders to understand both domains to varying degrees.



roles

Training roles

Management



roles

Emergency

Operational



Compliance and

quality monitoring



response roles



Regulatory Overlap

roles

NATURE OF POTENTIAL SAFETY-SECURITY INTERDEPENDENCIES



negative impact When specific security requirements are covered in security regulations but not directly referred to in safety regulations, yet they may have an

impact on safety operations or outcomes.

Interdependencies with either positive, neutral, or

Missed opportunities

operational experience demonstrates that implementation of additional

When there is no direct safety-security interdependency, however

When a defined requirement is subject to safety and security regulations.



measures, guidance or considerations would positively impact safety.

Design & Certification

Aircraft and Aircraft Equipment

(including design certification and airworthiness)

Security Measures that have an

impact on Safety

Protection of Flight Crew Compartment

TYPES OF SAFETY AND SECURITY

INTERDEPENDENCIES BY

REGULATORY DOMAIN

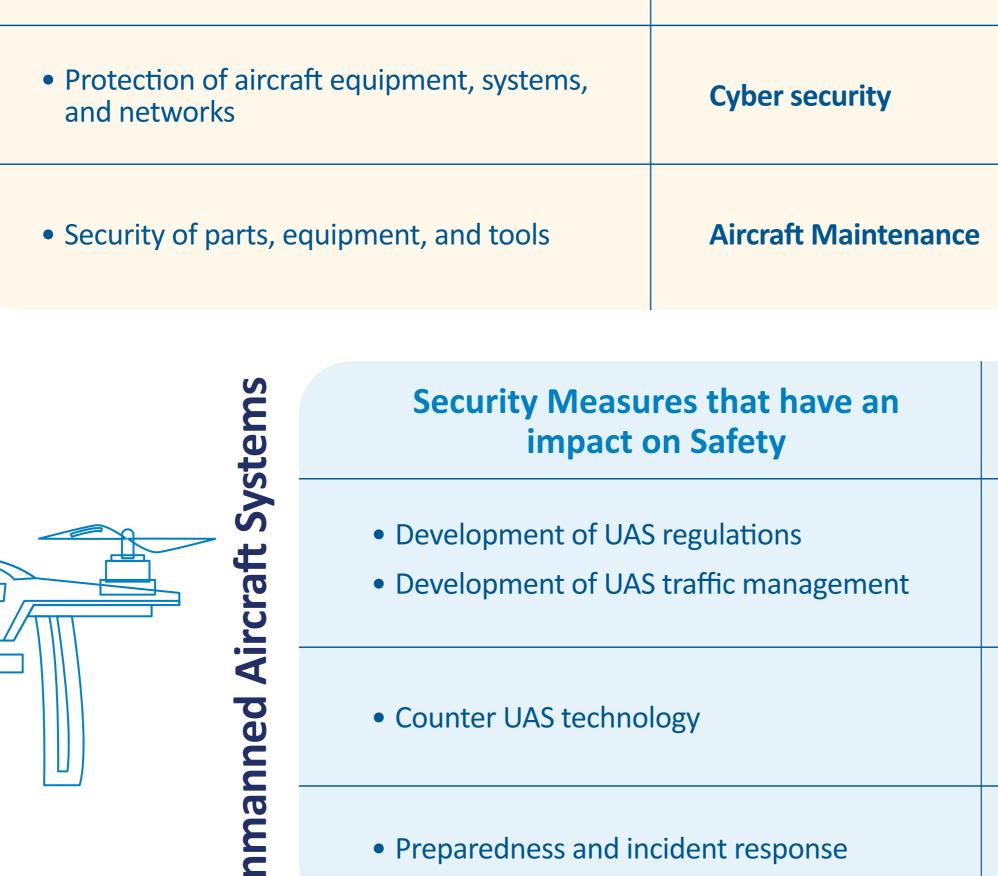
• Other security considerations (relating to aircraft design)

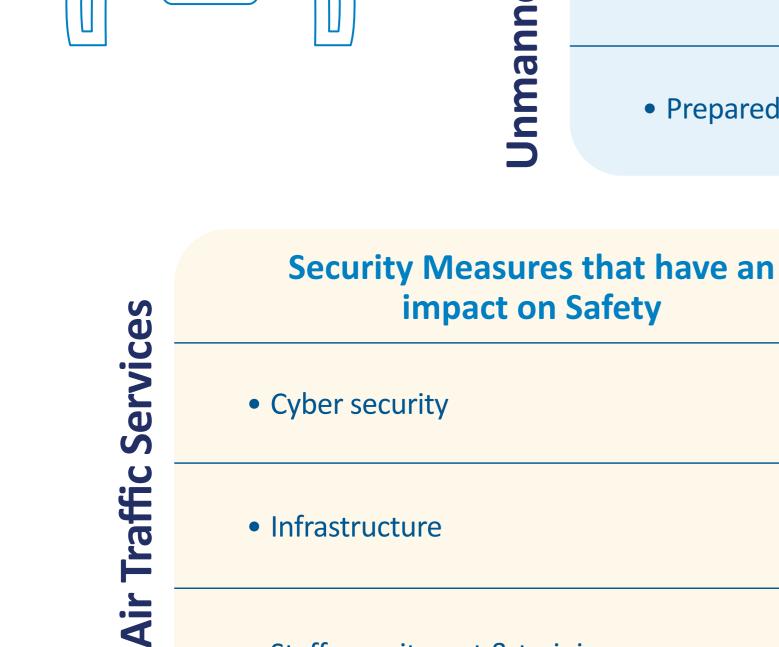
• Least Risk Bomb Location (LRBL)

• Features of Interior Design

Safety Area

Safety Area





• Infrastructure

• Staff recruitment & training

rome/Airport Operations

UAS Operation • Development of UAS traffic management **Aerodrome** Counter UAS technology **Operational Systems** • Preparedness and incident response **Crisis Management Safety Area ICT** system security

Protection of facilities

Personnel security



 Airport planning requirements • Boundaries Fencing Access control and security surveillance patrols • Other measures implemented under airport operator responsibility including refuelling, de-icing services, independent aircraft maintenance organisations, cleaning companies, airport suppliers and in-flight supplies (if they have access to restricted areas)

Security Measures that have an

impact on Safety

UAS Operation

Safety Area

Management System

Certification

 Security training of Flight Crew and **Cabin Crew**

impact on Safety

Operating Procedures

Training

Cyber security

• Identification and protection of critical information, technology, systems and data

Ground Operations

Safety Area

Security Measures that have an impact on Safety

 General security awareness requirements Security search

Security search

Aircraft protection

Mail and materials

Mail and materials

Baggage reconciliation

Safety Area

Operating Procedures

Dangerous Goods

To learn more about these facts and figures and to explore the practical

recommendations derived from this study, please visit: https://www.easa.europa.eu/en/research-projects/impact-security-measures-safety

