ANS Cyber Security Oversight

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ICAO MID RO/CNS

EUROCONTROL 60 YEARS

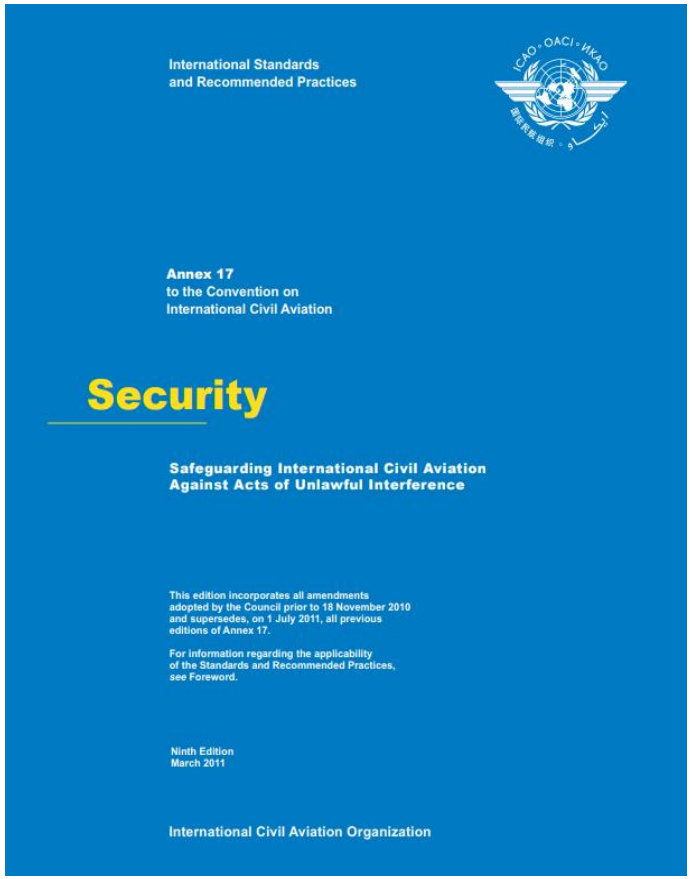
EUROCONTROL is a pan-European, civil-military organisation dedicated to **supporting European aviation**.

Notice

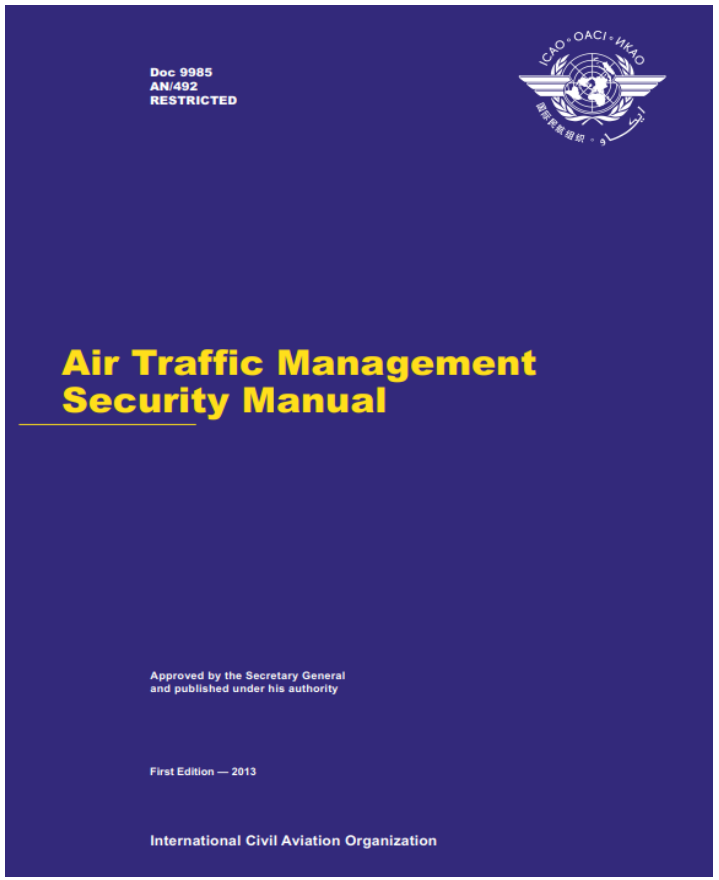
Since 19 April, the EUROCONTROL website has been under attack by pro-Russian hackers. The attack is causing interruptions to the website and web availability. There has been no impact on European aviation.

ICAO

ICAO COUNCIL adopted Amendment 12 to Annex 17 (Nov 2010) includes ANSP



Annex 17



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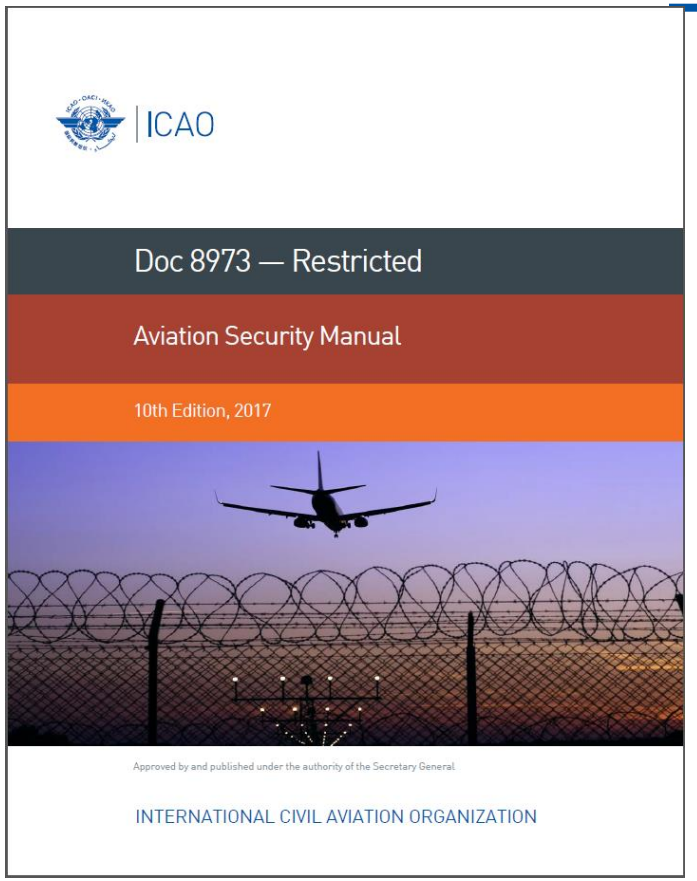

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ATM Security is a subset of Aviation Security which is itself a component of Transport Security

ATM Security is a national responsibility

Safeguarding of the ATM system from security threats and vulnerabilities (ATM protection)

1

ATM Security Scope

Provision of security services that contribute to civil aviation security, national security and defense (ATM security operations)

2

ATM Security Scope

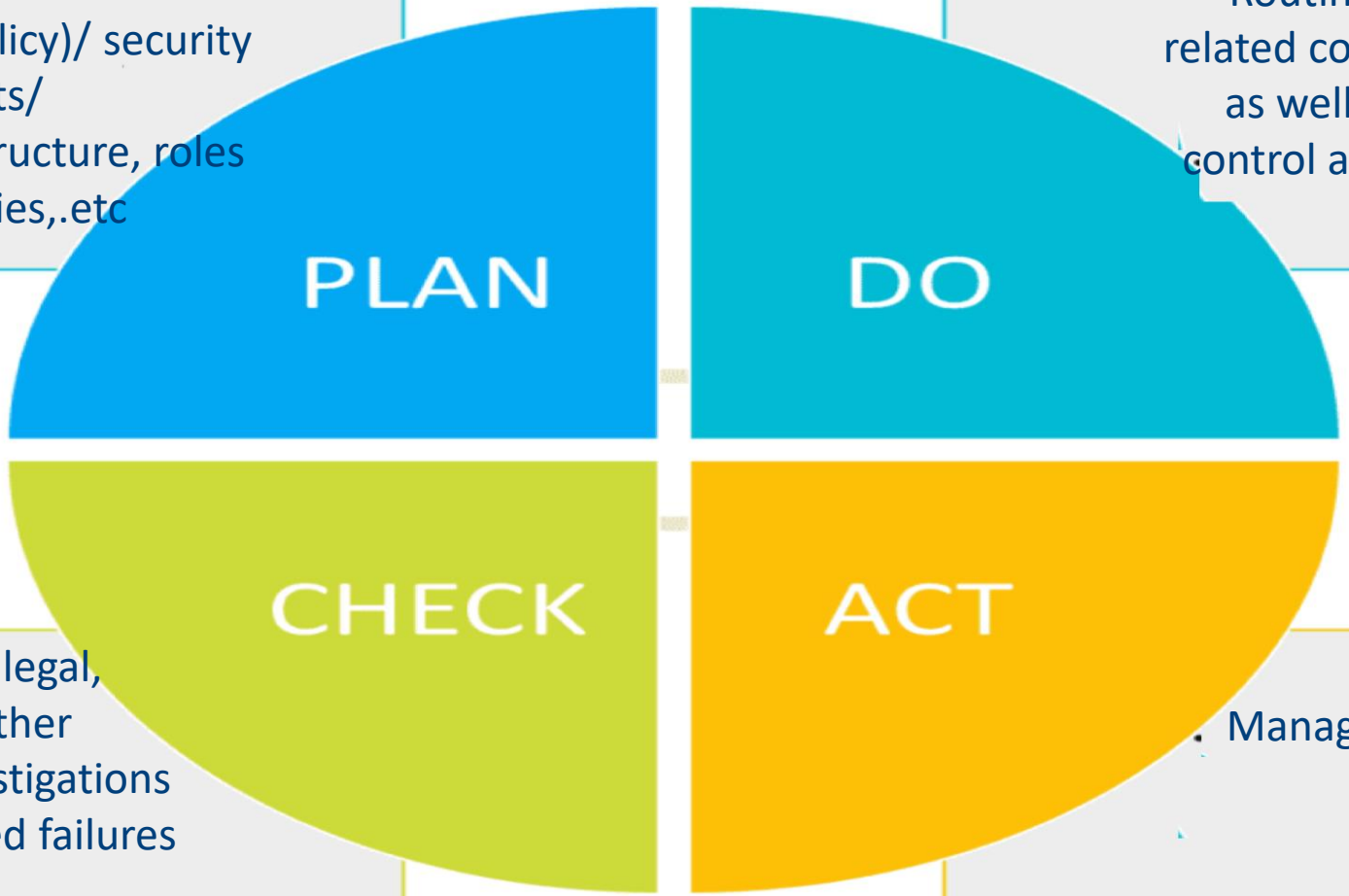
ICAO Security Monitoring Activities

Audit Inspection Test Survey

ICAO Security Management System (SeMS)

Senior management commitment (Policy)/ security objectives, targets/ organizational structure, roles and responsibilities,.etc

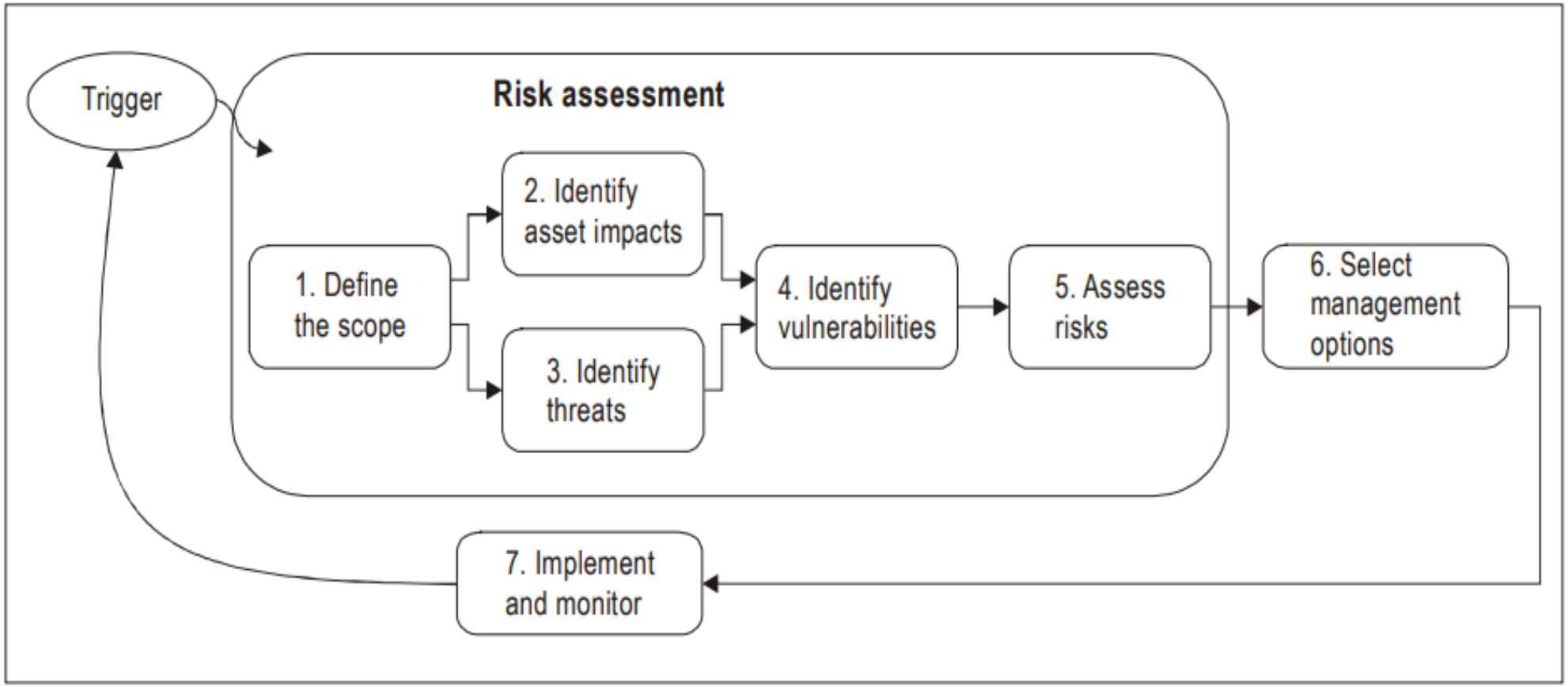
Routine and security-related communications, as well as operational control and information management



compliance with legal, regulatory and other provisions / investigations of security-related failures

Management of change and continual improvement.

Risk Management System



Contingency Planning

- Contingency planning is a regulatory requirement for the ATSP under Annex 11
- Contingency planning should include ATM security considerations
- It should address the safe and orderly and secure degradation of a service in a contingency situation
- due to the similarity of plans for system protection and system resilience, the ATSP may wish to incorporate them into one contingency plan.

ICT Cyber Security

Cyber ICT security refers to the application of security controls to protect ATM cyber-ICT systems against the degradation of integrity, confidentiality and availability from intentional or accidental causes

ISO 27000 standards Information Security

ATM Security Oversight Programme

- ATM Security Oversight Programme is part of the overall national AVSEC Programme (including quality control and training programmes), national ATM security systems are integrated in the national Aviation Security system.

- A single appropriate authority (AA) must be responsible for the National ATM Security Oversight Programme

- Audit/Inspection Plan: An annual plan must be developed

ANS Security Inspectors should be appropriately qualified and trained

- Security management systems
- Security risk assessment
- The incident management process Cybersecurity of IT systems and interfaces
- Cyber Security
- Communications, Navigation, and Surveillance systems
- Physical/ORG/personnel SEC

The necessary skills must be acquired by audit team members via the established National Civil Aviation Security Training Plan (NCASTP)

Actions by the meeting:

The meeting is invited to note the content of this presentation and take action(s) as appropriate

Thank You!

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