



| ICAO

UNITING AVIATION

Recent Development – ICAO's work on building an International Aviation Trust Framework

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Developments Since CNS SG/25

- TFSG Developments
- Information Security Framework
- New Proof of Concept
- Digital Identity
- A41
- Next Steps



TFSG Developments

- ANC agreed to transition TFSG into the Trust Framework Panel (TFP) in June
- State Letter will be released shortly
- ANC has also approved the participation of various specialized industry observers to support TFP work
- First panel meeting tentatively planned for December



TFP Scope

- Develop of a common set of principles, policy and guidance, and a transition strategy for a globally harmonized framework that will enable trusted ground-ground, air-ground and air-air exchange of data and information amongst States, relevant stakeholders, airspace users, service providers and new entrants (such as UAS, RPAS, , etc...) with the level of resilience and interoperability needed to support increased capacity and efficiency for the continued safe operation of the civil aviation system; and
- Consider and incorporate current and future needs for States, relevant stakeholders, airspace users, service providers and new entrants in the aviation system while ensuring the globally harmonized trust framework takes into account human-system interaction factors and relevant technologies, including the Internet infrastructure, for the exchange of information in support of air traffic management, airport operations and flight operations



Information Security Framework

- Draft information security framework (ISF) developed, planned to be incorporated into appendix of PANS-IM
- Guidance materials supporting ISF currently under development



Proof of Concept Exercise

- Builds upon previous proof of concept work done for digital identity
- Tests and demonstrates the security and resilience of a global routable overlay network
 - Exact test plan and demonstration technologies not yet determined
- Work has only just started



Digital Identity

- Final draft of digital identity certificate policy developed
- Continued work with Comm Panel on Doc 10095 development
- Coordination with IETF members Drone Remote Identity Protocol
- Development of identity management guidance in support of ISF documentation



41st Assembly

- Several papers on the trust framework and cybersecurity received for A41
- Working on SkyTalk and sidebar meeting to promote cyber activities within ICAO



Next Steps

- Transitioning TFSG into TFP
 - Draft job cards under development for ANC
 - First meeting preparations under way
- TFSG work continuing until formal establishment of TFP
 - Work on digital identity and ISF to continue and be incorporated into TFP work programme
- Proof of Concept
 - Work to be further scoped and implementation plan to be developed



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