SAFIR Working Session #2
ASECNA, Egis Avia, ESSP, Pildo

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Working Session #2B

EGNOS Certification in Africa
OUTCOMES

Prepared by SAFIR
- ESSP
- Pildo
- PIT
Need for African EGNOS Certification

- Does the African Authority need to certify the ESSP?
  - ICAO does not ask ANSPs to be certified → ANSP must have a SMS/QMS (and may be other elements from ICAO standards such as information security management system)
  - ESSP is certified as ANSP
  - EASA certificate delivered to ESSP could prove they have SMS/QMS → ESSP is compliant for service delivery wrt ICAO regulation
  → Answer could be: no need of certification

- Safety case for EGNOS V3 to be approved by the African Authorities to be used then by the African ANSPs
Certification Scheme (certification scenario #1 based on short term governance scenario)

1 This scenario is also applicable if Africa has no infrastructure ownership
2 Services = NOTAM Raw Data + Data archiving + CDM
Outcomes for Scenario 1

- Need of Agreement between AU or other African bodies (such as RECs) and EU and acceptance of this EASA extension
  - Delegation of the certification activities to Europe by Africa
- Mandate from EASA to be extended over Africa
- Agreements between EASA and African CAAs
- EASA roles:
  - Certification ESSP
  - Approval of the system Safety Cases for Europe and Africa
  - Liaison with African National CAAs
  - Issuing of Safety information bulletins to the National African CAAs
Certification Scheme (certification scenario #1 based on short term governance scenario)

1 This scenario is also applicable if Africa has no infrastructure ownership
2 Services = NOTAM Raw Data + Data archiving + CDM
Outcomes for Scenario 2

- In principle, no need for high level political agreement between EU and African body(ies) for EASA extension mandate

- Creation of a unique African Entity in charge of:
  - Approval of EGNOS African part Safety Cases
  - Coordination with African CAAs (issuing of Safety information bulletins…)
  - Liaison with EASA

- EASA roles:
  - Certification ESSP and Approval of European Safety Cases
  - Liaison with African Entity
List of Actions

- Analysis of the feasibility of the extension of EASA mandate over Africa
  - SAFIR, JPO and AFCAC and Programme Steering Committee (PSC)

- Need for high level protocol between EU and African body(ies) to extend EASA role (scenario 1 only)
  - SAFIR through PSC

- Analysis of the feasibility of the 2 scenarios before next WS dedicated to Certification
  - JPO, SAFIR

- Analysis of the link between the African Entity and ESSP (scenario 2 only)
  - JPO, SAFIR

- Definition and analysis of certification scheme for governance long term scenario
  - JPO, SAFIR

- Need for recognition of EGNOS over Africa (through ICAO APIRG maybe)
  - APIRG

- Analysis of the need for coordination with actors in charge of early services initiatives involved in the certification process
  - JPO, SAFIR
Thank you for your attention