2014 - 2017 JOINT AFRICA-EU STRATEGY
REFERENCE GROUP ON INFRASTRUCTURE MEETING

Transport Working Group Session

Enhancing Cooperation in the Domain of Aviation and Maritime Transport

Cooperation in ENGOS/SBAs Project implementation in Africa

25 April 2017

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OUTLINE OF PRESENTATION

1. CONTEXT
2. ORGANISATION
3. PROGRESS IN PROJECT IMPLEMENTATION
4. CHALLENGES
5. ACTIONS TAKEN BY AUC
6. WAY FORWARD
7. CONCLUSION
1. EGNOS project in Africa

The EGNOS project in Africa is an action based on the Joint Africa-EU strategic partnership and Africa-EU summit (2014) adopted Joint Roadmap 2014-2017 which include actions on continuing the support for the implementation of satellite navigation based on EGNOS in Africa

2. Africa Union Space Policy and Strategy

Adopted in 2016, the Assembly of the African Union adopted the AU space policy and strategy.
(a) The Steering Committee (SC)
   - EC/AUC as Co-chair
   - Representatives of AFCAC, ICAO, Regional Economic communities (RECS), Arab Civil Aviation Organisation, ASECNA and the European GNSS Agency (GSA)

(b) The Joint Project Office (also the secretariat of the SC)

(c) The EC/ASECNA – manage the financial agreement
PROGRESS IN PROJECT IMPLEMENTATION

1. JPO and Project Implementation approach
   - JPO work program under the financial agreement
   - Modular deployment activities with the RECs

2. ASECNA-SBAs Project

3. Other on-going Projects
The Modular Approach: Four possible modules based on inter-RECs structures have been proposed as target for Africa in the medium term as follows:

Module 1: Northern Africa module: it includes ACAC member states with an advanced SBAS program and on-going negotiations with Europe.

Module 2: West and central Africa module: it encompasses ECCAS, ECOWAS and UEMOA member States and it should be based on the ASECNA member States technical solution. Cooperation agreement has been signed between JPO and ECCAS and negotiation are on-going with ECOWAS and UEMOA.

Module 3: Southern Africa module: it is composed of SADC and COMESA member States

Module 4: Eastern Africa module: it is composed of EAC, IGAD and COMESA member States.
1. Institutionalisation of the JPO: The institutionalisation, economic viability and sustainability of the JPO in the medium and long term;

2. Management of the JPO (EC/ASECNA)

3. AUC Decision Making Process – based on consensus of its Member States and the lack of such consensus on the project;

4. The AUC continental mandate and limited involvement at decision making at the level of RECs.
CHALLENGES

5. Modular SBAs systems: Overlapping RECs and SBAs system based on the Modular approach. How to coordinate and merge them into one system.

6. Consideration of the transition from V2 to V3 and the appropriate version for Africa and timeline

7. High Interest in the Continent for the non-aviation application of SBAs
Deployment of Modules

• Four modules have been identified for Africa:
  • Northern (M1),
  • West-Central (M2),
  • Eastern Africa (M3),
  • Southern (M4)
1. Participation in Steering Committee meeting as Co-Chair;

2. Consultation with Industry Partners;

3. Visibility of the Project at the Lomé STC on TIIET;

WAY FORWARD

1. AUC to facilitate the establishment of an SBAs/EGNOs working group under the Sub-Committee for Infrastructure and Transport of the STC – TTIET.

2. Implement the recommendations of the Lomé STC including undertaking a cost benefit analysis and Organisation of a continental workshop on the project;

3. Continue support to on-going initiatives in particular the ASECNA SBAs project involving 17 MS; and

4. Monitor progress in the implementation of the modular approach at RECs whilst maintaining a continental perspective as mandated.
CONCLUSION

The STC for Transport, Intercontinental and Interregional Infrastructure, Energy and Tourism has given the AUC a clear mandate on way forward on the appropriation of the SBAs project in Africa.

The need for the conducting a cost benefit study imposes resource mobilization constraints that need to be addressed; and

The Project needs further resources in developing the non aviation application of EGNOS/SBAS application in Africa.
CONCLUSION

Thank You for Your kind Attention

Merci