APPENDIX D

TASK FORCE ON THE DEVELOPMENT OF REGIONAL PROJECT ON AN AFI INTEGRATED AERONAUTICAL TELECOMMUNICATION INFRASTRUCTURE

PROPOSED REVISED TERMS OF REFERENCE

1. **Vision**

    a)   Improve the contribution of the aeronautical telecommunication infrastructure in addressing safety endeavours in the AFI Region.

    b)   Enhance Air Navigation Safety, Capacity and Efficiency through elimination of deficiencies associated with AFI aeronautical infrastructure.

2. **Objectives**

    a)   Develop a sustainable and integrated/interoperable regional IP-based Data Communication Network primarily based on VSAT Technology to provide effective aeronautical telecommunications services in AFI region;

    b)   Upgrade technical capabilities of existing VSAT networks to comply with the ICAO SARPs and guidance material, user requirements and global best practices;

    c)   Ensure financial sustainability of the networks through equitable and fair allocation of costs to States and users;

    d)   Create harmonious and seamless administrative oversight framework for the networks;

    e)   Ensure States' commitment to this initiative;

    f)   Develop the AFI ATN Strategy and Implementation Plan; and

    g)   Apply appropriate cost-effective technologies aligned with the Global Air Navigation Plan (Doc 9750) Aviation System Block Upgrades (ASBU) Methodology and associated technology roadmaps for communications, navigation and surveillance (CNS), information management (IM) and avionics.

3. **Deliverables**

The deliverables expected from the Task Force include:

3.1. **Technical:**

> **Purpose of the multinational air navigation facility/service and its operational and technical justifications.**
> This should include the overall plan and targets for the development and the establishment of the facility/service.
> The likely implications if any, on regulations, working routines, equipment, premises and maintenance should be included. Information on the expected consequences on the overall AFI air navigation system or any part thereof should also be included.
>
> *Deliverables*
>   *a) Detailed gap analysis based on ICAO SARPs and guidance material, user*

> *requirements and global best practices;*
> b) *Architectural requirements;*
> c) *Recommendations for a road-map, to be implemented by States; and*
> **d)** *Maintenance.*

Need for an amendment to the AFI Regional Air Navigation Plan.
Assess the need if the establishment of a multinational facility/service will necessitate an amendment to the AFI Regional Air Navigation Plan, to be carried out in accordance with established procedures.

Deliverable
Amendment proposals to the Air Navigation Plan as appropriate.

Composition of the Technical Team:
- Egypt, Botswana, Mozambique, Nigeria, Rwanda, France/Reunion, South Africa (**Team Leader**), Swaziland, Tanzania, Uganda, ASECNA, Roberts FIR, IATA,

3.2. Financial

Financial implications and cost-effectiveness.
Related information should include estimates of the total costs of the multinational facility/service covering, as required, research and development, implementation, operation and maintenance, administration, and capital costs. how all costs incurred prior to the operational phase will be financed; assessing savings which may accrue from the implementation of the facility/service and comparing these savings to the total cost estimates; proposals as to how cost shares of States participating in the provision of the project are to be determined. Also, assessment needs to be provided on impact on users from charges for the facility/service concerned.

Financial aspects
The participation of States in the provision of a multinational facility/service is based on the assumption that any State having supported and agreed to the implementation of such a facility/service and making use of it should also shoulder its respective share of the costs involved.

Deliverables
> a) *Cost estimates;*
> b) *Funding (project teams and integrated network model);*
> c) *Cost recovery methods (cost sharing amongst states, billing); and*
> d) *Maintenance.*

Composition of the Financial Team:
- South Africa, France, Kenya, Uganda, ASECNA (**Team Leader**), IATA

3.3 Administrative/Legal:

Managerial implications and other contractual aspects

The participating States would need to formalize in an agreement the terms under which the multinational facility/service is to be provided. A primary aim of the agreement should be to ensure that the costs involved are shared among the participating States in a fair and equitable manner.

Deliverables
   a) *Oversight model;*
   b) *States' commitment;*
   c) *Legal issues; Governance;*
   d) *Maintenance; and*
   e) *Draft agreement(s)*

Composition of the Administrative/Legal Team:
   - Egypt, Namibia, Kenya (**Team Leader**), South Africa Tanzania, ASECNA, IATA,

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