



AFI PLANNING AND IMPLEMENTATION REGIONAL GROUP (APIRG)

INFRASTRUCTURE & INFORMATION (IIM) SUB-GROUP

COMMUNICATION PROJECT 4 “INTEGRATED REGIONAL TELECOMMUNICATION INFRASTRUCTURE”

“INTEGRATED REGIONAL TELECOMMUNICATION INFRASTRUCTURE QUESTIONNAIRE”

The IIM Communication 4 project aims to support the implementation of a seamless telecommunication infrastructure across the AFI Region to ensure the full interoperability operation of ATM/CNS systems and services in compliance with ICAO standards.

The goal of the project is to develop an implementation scheme (plan) for the migration of the current aeronautical networks toward a common IP based managed network service across AFI region covering voice and data communication and providing efficient support to existing services and new requirements that are emerging from future Air Traffic Management (ATM) concepts.

“ INTEGRATED REGIONAL TELECOMMUNICATION INFRASTRUCTURE QUESTIONNAIRE ”

Please tick the corresponding check boxes for your answers to the following questions:

1. State of the current AFI Telecommunication Infrastructure	
01	<p>Has your State/ANSP implemented all the circuits required by the AFI plan to provide the aeronautical telecommunications services?</p> <p style="text-align: center;"><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>If yes, are these circuits implemented in compliance to the Global Air Navigation Plan (GANP) ASBU module elements B1/1 - Ground-Ground ATN/IPS (native level 3)</p> <p style="text-align: center;"><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>If no, describe the circuits required to be upgraded to ensure the compliance with de GANP.</p> <p style="text-align: center;"><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Do your State/ANSP have any additional infrastructure needs ?</p> <p style="text-align: center;"><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>If yes, list them</p>
02	<p>Describe the type of infrastructure supports used to interconnect your State/ANSP to the others States/ANSP at the regional and international level.</p> <p>Are they able to comply to carry all the current and future ATM/CNS services?</p> <p style="text-align: center;"><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>If no, comment the gap to comply with ICAO requirements</p>
03	<p>Is your State/ANSP infrastructure capable to support all the required ATM/CNS services.</p> <p style="text-align: center;"><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Comments (if any)</p> <hr/> <p>How is the back up of these circuits/ services ensured?</p>
04	<p>Describe any major dysfunctions and/or gap you are facing in the operation of your current telecommunication infrastructure to be upgraded.</p>

2. Interoperability with the neighboring AFI networks	
04	Provide a list of all interconnections between your network and the adjacent networks at regional and international level as well as the services supported (AFTN AMHS /AIDC & ATS/DS, SSR, ADS-B, ...)
05	Are all the interconnections required with adjacent networks in terms of the AFI Plan addressed in such way that it provides seamless operation <input type="checkbox"/> Yes <input type="checkbox"/> No Comments (if any)
06	Are there any adjacent network that need to be interconnected that are not connected yet? If so, name these networks <input type="checkbox"/> Yes <input type="checkbox"/> No Comments (if any)
	How are these seamless operations achieved? Indicate all the interconnections that are not seamless. Briefly describe the reason for these interconnection not being seamless
07	Will it be possible to provide seamless operation for any planned interconnections with adjacent networks? Briefly describe how this will be achieved <input type="checkbox"/> Yes <input type="checkbox"/> No
08	If seamless operation cannot be achieved, briefly describe the reasons for this
3. Integrated Regional Telecommunication Infrastructure connectivity	
09	Provide the table of your network connectivity to be implemented.
10	Provide the table of CNS services to be transported over the network and the bandwidth requirement.
4. Infrastructure IP Capability and Cyber safety and Cyber security	
11	a) Does your network support IP operation as recommended by ICAO <input type="checkbox"/> Yes <input type="checkbox"/> No b) If no, describe the circuits/service/application not yet IP capable and necessary to migrate to IP Protocol.
12	Does State/ ANSP implement measures to protect, as appropriate the confidentiality, integrity and availability of the identified critical systems and/or data. <input type="checkbox"/> Yes <input type="checkbox"/> No

	Comments (if any)
13	What mechanisms your State/ANSP implement to protect your network against cyber-attacks and to strength you network against the securities vulnerabilities Comments (if any)
14	Does the State / ANSP experienced security threats or attacks in the operation of your networks Comments (if any)
	Are Operational and administrative ground-ground network physically/logically are separate or not? <input type="checkbox"/> Yes <input type="checkbox"/> No

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