



ICAO

**DOMAIN: IIM** (Infrastructure & Information Management)

**Project Team Coordinator: Côte d'Ivoire**

**COM Project 5: Assessment of AFI Aeronautical Networks Cyber Security**

AFI Region	PROJECT DESCRIPTION		DP N° C	
<i>Programme</i>	Title of the Project		Start	End
Assessment of AFI Aeronautical Networks cyber security	<p align="center"><b>Assessment of AFI Aeronautical Networks cyber security</b></p> <p><b>Project Team Coordinator:</b> Côte d'Ivoire  <b>Project Team Experts:</b> Côte d'Ivoire, Benin, Gambia, Ghana, Kenya, Nigeria, South Africa, ASECNA, IATA</p>			
<b>Objectives</b>	Develop and implement a global security policy for aeronautical information systems to prevent that internal and external threats impact the availability, the reliability, the integrity and the continuity of the AFI aeronautical networks			
<b>Scope</b>	<ul style="list-style-type: none"> <li>▪ Implement a cyber-security policy over the AFI region, which would assess all issues including the definition of common threats scenarios, training, performances, security studies, audits and controls.</li> <li>▪ Assess the cyber issues on all systems and networks if the analysis has not yet been made</li> <li>▪ Implement a systematic process of cyber risk evaluation on all new systems</li> <li>▪ Assess and prevent internal and external threats impact the availability, the reliability, the integrity and the continuity of the AFI aeronautical networks, including RFI</li> </ul>			
<b>Metrics</b>	The number of security threats with impact on the availability, the reliability, the integrity and the continuity of the AFI aeronautical networks			
<b>Goals</b>	Ensure that the Aeronautical services are provided in compliance with ICAO SARPs			
<b>Strategy</b>	<ul style="list-style-type: none"> <li>▪ Assess the current aeronautical networks security and diagnostic the potential threats to the safe provision of the air navigation service in the AFI region</li> <li>▪ Implement a global security policy for a secured operation of the AFI systems and networks</li> <li>▪ Training and qualification of Technical and operational staff</li> <li>▪ ICAO and Designated Experts to conduct Technical workshops to support the development of the project</li> </ul>			
<b>Justification</b>	The ASBU modules and the future aeronautical services are based on IP protocols and are can be exposed to cyber attacks			

AFI Region	PROJECT DESCRIPTION	DP N° C	
Programme	Title of the Project	Start	End
Related projects	ATM, AIM, MET related projects Training and qualification of Technical staff		

Project Deliverables	Relationship with the regional performance-Objectives (RPO) and ASBU B0 modules	Responsible Party	Status of Implementation <sup>1</sup>	Date of Delivery	Comments
<b>Resources needed</b>	<ul style="list-style-type: none"> <li>• Experts from States</li> <li>• States to host workshops</li> <li>• Funds</li> </ul>				

<sup>1</sup> Grey Task not started yet  
Green Activity being implemented as scheduled  
Yellow Activity started with some delay, but will be implemented on time  
Red Activity not implemented on time; mitigation measures are required