



# PROGRESS REPORT

## 1 Project Details

<b>Project name</b>	<b>IIM SUB-GROUP COM 5 PROJECT</b>
<b>Reporting period</b>	<b>September 2017 – June 2018</b>
<b>Report compiled by</b>	<b>Sandrine GNASSOU</b> IIM Sub-Group Communication 5 Project Coordinator (Côte d'Ivoire)
<b>Report to</b>	<b>CHAIR</b> IIM Sub-Group
<b>Date submitted</b>	<b>25 June 2018</b>

## 2 Purpose

The purpose of the report is to provide the status of the project and indicate the challenges encountered by the team including possible recommendations.

## 3 Background

The IIM COM project.5 deals with the Assessment of AFI Aeronautical Networks Cyber Security. This new project had been approved during the first meeting of the APIRG Sub-Group on Infrastructure and Information Management (IIM / SG / 1) held in Nairobi, Kenya from 27 to 30 June 2017.

The objectives of the project are:

- To assess and prevent internal and external threats impact the availability, the reliability, the integrity and the continuity of the AFI aeronautical networks, including RFI;
- To develop and implement a global security policy for aeronautical information systems to prevent that internal and external cyber threats impact the availability, the reliability, the integrity and the continuity of the AFI aeronautical networks.



## 4 Activities & Outputs

### 4.1 Initial tasks ( set by IIM Chair)

The IIM Sub Group teams were allocated the following tasks and expected to deliver as indicated in the table below:

N°	TASK	RESPONSIBLE	PLANNED DUE DATE	COMMENTS
1	Project team coordinators and experts appointment finalization	States / Organization	31/11/2017	The project team coordinator had been officially appointed by Côte d'Ivoire. ASECNA had officially appointed M. Cumbi, M. Sougue and M. Amegboh. The list of all the experts appointed had not been communicated yet.
2	Project Team Organization	Project Coordinators	31/12/2017	Has been finalized and sent to IIM Sub-Group Chair, Vice and Secretariat on 31/12/2017 (Edition 00.00.01). An updated edition of the document has been sent on 25/06/2018
3	Project ToR	Project Coordinators	31/12/2017	Has been finalized and sent to IIM Sub-Group Chair, Vice and Secretariat on 25/06/2018
4	Project link finalisation	Project Coordinators	31/10/2017	Has been finalized and sent to IIM Sub-Group Chair, Vice and Secretariat on 20/04/2018
5	Project Questionnaire	Project Coordinators	31/12/2017	Has been finalized and sent to IIM Sub-Group Chair, Vice and Secretariat on 31/12/2017 (Ed 00 00 03). An updated edition of the document has been sent on 25/06/2018

### 4.2 Project technical tasks ( set by IIM SG COM Project 5)

The IIM SG Communication Project 5 was initiated on 22nd of December 2017 via Skype meeting. Due to technical issues, all the project members did not achieve to join the Skype meeting. Therefore, a second kick off meeting had been organized on 28th of February 2018 via Skype meeting.

In the project organization description document, the following tasks had been identified to meet the project objectives. The table below provides the progress for each task/activity/deliverable.



Project Deliverables	Planned Date of Delivery	Objectives	Status <sup>1</sup>	Actual date of completion	Progress
[D01] Project Description	31/12/2017	To provide a description of the project	Achieved	29/012/2017	Has been sent to IIM Sub-Group Chair, Vice and Secretariat
[D02] Organization of project team	31/12/2017	To set the basis for the project organization and coordination	Achieved	29/012/2017	Has been sent to IIM Sub-Group Chair, Vice and Secretariat
[D03] Terms of reference	June 2018		Achieved	25/06/2018	
[D04] « Cybersecurity in Civil Aviation Operational concept description »	October 2018	To share a common understanding of cyber, common definitions of cyber (cyber threats, cyber risks cyber resilience, cyberattacks, cyber culture)	In progress		A first draft had been distributed to the project team for review . There is a need to agree on a task allocation in order to be more efficient
[D05] List of AFI Aeronautical Networks	September 2018	To have a full list of aeronautical networks in AFI Region	In progress		Under development
[D06] Assessment of the current aeronautical networks cyber security and diagnostic of the potential threats to the safe provision of the air navigation service in the AFI region	November 2018	To assess the current aeronautical networks security and diagnostic the potential threats to the safe provision of the air navigation service in the AFI region	Not started		

<sup>1</sup> Achieved In progress Challenges Not started



Project Deliverables	Planned Date of Delivery	Objectives	Status <sup>1</sup>	Actual date of completion	Progress
[D07] Global cyber security policy for a secured operation of the AFI systems and networks	February 2019	To define the global cybersecurity policy for aeronautical network in AFI region	Not started		
[D08] Teleconferences, Workshops/Seminars, working sessions (French and English) on global cyber security policy	TBD	Working Sessions are an essential tool to: <ul style="list-style-type: none"> <li>• Discuss with main African Stakeholders about key essential aspects of Cybersecurity in Aviation</li> <li>• Network people and contribute to build capacity in Cybersecurity in aviation</li> <li>• Deliver valuable information to decision makers about Cybersecurity</li> <li>• Gather best practices from other regional initiatives on Cyberspace issues for Aviation</li> </ul>	Not started		
[D09] Feasibility study of setting up an AFI Regional Operational Centre for Cybersecurity in Aviation on a long term basis	October 2019	To assess the feasibility of setting up of an AFI regional Centre for Cybersecurity in Aviation	Not started		



## 5 Challenges & Lessons Learned

The following table summarizes the challenges we have faced during the reporting period and the lessons learned / solutions for each challenge.

Challenge	Lessons learned / solutions
List of IIM COM 5 Project team members	There is an urgent need to confirm the participation of the experts that had been appointed to the project (and to encourage their participation).
Participation	<p>Because of the delay in finalizing project team appointments, there was a lack of participation of the project team, at the beginning of the project.</p> <p>The participation remains an important issue as the success of the project will rely on all the experts 'contributions and participation ( by emails, to the meetings).</p> <p>The next IIM meeting will help to strengthen the project team group cohesion and motivation.</p>
Coordination and Communication Difficulties	<p>The project team experienced a lot of technical network challenges (Teleconference, GoToMeeting, Skype).</p> <ul style="list-style-type: none"> <li>• Most of the meetings had been cancelled because the project members were not able to connect to the skype meeting. There is a need to find a more reliable means for the online meetings.</li> <li>• we encounter many difficulties in organizing project progress meetings. Some participants, although motivated, cannot connect to skype meetings.</li> </ul> <p>This is undoubtedly a technical problem independent of the IIM or ICAO sub-group, but it is a permanent obstacle to the good conduct of the project.</p> <p>Therefore, It would be interesting to gather tips and best practices from other IIM or AAO projects, or any other project (any other means of communication (WebEx, physical meeting)).</p> <p>As IIM COM Project 3, a decision to communicate via WhatsApp had been taken (for IIM COM Project 5).</p>



Challenge	Lessons learned / solutions
Information sharing between the IIM project	<p>IIM projects work in parallel with difficulties or successes.</p> <p>It would be interesting to collect the difficulties and good practices in order to share them with all the project coordinators.</p> <p>In addition, periodic meetings between the IIM project coordinators and the IIM Chair should be organized.</p>
Confidentiality	<p>For the cybersecurity subjects, the IIM Sub group should define confidentiality requirements. Some information should be protected</p>



**APPENDIX A – PROJECT DESCRIPTION**

**APPENDIX B – PROJECT ORGANIZATION**

**APPENDIX C – PROJECT TERMS OF REFERENCE**

**APPENDIX D – PROJECT LINKAGE**

**APPENDIX E – PROJECT QUESTIONNAIRE**

**APPENDIX F – PROJECT MEETING MINUTES**