

**IDENTIFICATION AND DEVELOPMENT OF AIM PROJECTS**

AFI Region	PROJECT DESCRIPTION (DP)	DP N° AFI AIM/1	
<i>Programme</i>	Title of the Project	Start	End
<p><i>AIM</i></p> <p><b>(ICAO Programme Coordinator: George Baldeh)</b></p>	<p style="text-align: center;">Implementation of the provision of electronic terrain and obstacle data (e-TOD) (AFI Region)</p> <p>Project coordinator: <span style="color: red;">(NIGERIA)- Mr Felix ANYANWU</span></p> <p>Experts contributing to the project: ATM/AIM/SAR/SG-14 and APIRG/IIM/SG  <span style="color: red;">Members : South Africa, Tanzania, Angola, Nigeria, IATA, ASECNA, Kenya, Cameroon, Uganda, Botswana,</span></p>	1/06/15	31/12/17
<b>Objective</b>	Support the implementation of the provision of e-TOD by AFI States, and provide guidance to States on GIS acquisition and management.		
<b>Scope</b>	The scope of the project contemplates the assessment and identification of implementation levels associated to the provision of electronic terrain and obstacle data. It contemplates the drafting of an Action plan and guides for the implementation of e-TOD to support developments in the provision of electronic terrain and obstacle data for the evolution of digital terrain models (DTM) to gradually improve electronic aeronautical charts and other similar products, with the support of tools such as the Geographical Information Systems (GIS).		
<b>Metrics</b>	<ul style="list-style-type: none"> <li>• Number of States that have implemented GIS or automated systems.</li> <li>• Guide-document with action plan approved.</li> <li>• Number of States that establish SLAs.</li> <li>• Main International Airports with Area 2 (eTOD) surveyed</li> </ul>		

<b>Strategy</b>	<p>The conduction of project activities will be coordinated among project members, the Project Coordinator, and the Programme Coordinator, mainly through teleconferences (GoToMeeting application) and meetings that may be held within other scheduled events, based on the activities of the work programme. The Project Coordinator will coordinate with the Programme Coordinator for the inclusion of additional experts, if warranted by the tasks and works to be executed. The results of the work done will be submitted to the consideration and review of State experts in the form of a final consolidated document for analysis, review, and approval, and for presentation to the APIRG/20 by the Programme Coordinator.</p>				
<b>Goals</b>	<p>Draft the Guide-document containing the objectives of the e-TOD project. 2015.          Define the technical and e-TOD project specifications. 2015.          Prepare the document containing the e-TOD technical specifications. 2015.          Guide on the acquisition of a Geographical Information System (GIS). 2015.          GIS implementation Manual. 2015.          Available Methodology and tools for surveying Area 2. 2016          Main International Airports with Area 2 surveyed. 2016-2017</p>				
<b>Rationale</b>	<p>Compliance with the SARPs of Annexes 15 and 4 to facilitate the execution of performance-based air operations and to advance with the AIS-AIM Transition Roadmap. A close relationship with other projects is needed in order to obtain the operational requirements of the aforementioned applications and their respective tentative dates of implementation.</p>				
<b>Related projects</b>	<p>This project is related to Project AFI ANFR B0 30/DATM “Implementation of the Quality Management System in the AIM units” in the AFI Region States.</p>				
Project deliverables	Relationship with the performance-based regional plan (PFF)	Responsible party	Status of implementation*	Delivery date	Comments
Survey on the status of e-TOD implementation.	PFF: AFI AIM/1	TBD		31/12/2015	
Generate follow-up report.	PFF: AFI AIM/1	TBD		31/12/2015	

**APIRG20 Report  
Appendix 4.4.8E3**

Develop Guide-Document with the objectives of the e-TOD project.	PFF: AFI AIM/1	TBD		31/12/2015	
Define the technical specification of the e-TOD project.	PFF: AFI AIM/1	TBD		31/12/2015	Acquire a mobile Mapper and one day training on the equipment. This is a GPS with a high accuracy as per ICAO requirement. Pick the coordinates of all obstacles which are 100m high within the FIR and publish them. The equipment conforms to the accuracy given in annex 15. This will do for area 1
Develop the document with the e-TOD technical specifications.	PFF: AFI AIM/1	TBD		31/12/2015	We have developed specifications for acquiring obstacle data for area 2 which are hereby Attached. This was for our use for awarding the Contract to a consultant.
Guide for the acquisition of a geographical information system (GIS).	PFF: AFI AIM/1	TBD		31/12/2015	For e-TOD we use ERDAS IMAGINE II
GIS implementation manual.	PFF: AFI AIM/1	TBD		31/12/2015	
Present to States the different options available for surveying Area 2	ASBU:BO30 DATM	TBD		31/12/2015	Using a consultant who have the necessary tools to provide data for area 2a,2b,2c,and 2d
Conduct seminars for e-TOD specialists, describing the plans and expected operational and economic benefits.	PFF: AFI AIM/1 ASBU:BO30 DATM	ICAO Coordinator		31/12/2016	Encourage National initiatives of States to organize seminars to sensitize all e-TOD stakeholders
<b>Resources required</b>	Designation of experts in the execution of some of the deliverables. More commitment by States to support the designated Coordinators and experts. Funds to conduct the meetings, missions and to translate reports, regional guides and manuals. Likewise, participants must be given facilities to participate in Go To Meetings. Funds to conduct audit trials. States could cover the cost of trials by their lead auditors, since the experience obtained will contribute to improve the system. Likewise, participants must be given facilities to participate in Go-To Meetings.				

*\*Grey*

*Green*

*Yellow*

*Red*

*Task not started*

*Activity underway as scheduled*

*Activity started with some delay but expected to be completed on time*

*It has not been possible to implement this activity as scheduled; mitigating measures are required*