



**Agenda Item 4: Assessment of operational requirements in order to determine the
implementation of communications, navigation, and surveillance (CNS)
capability improvements for en-route and terminal area operations**

**Follow-up to the implementation of the web-based RAIM availability
prediction service**

(Presented by the Secretariat)

SUMMARY	
This working paper presents information on the status of implementation of the web-based RAIM availability prediction service.	
REFERENCES:	
<ul style="list-style-type: none">• Twelfth workshop/meeting of the SAM Implementation Group (SAM/IG/12) - Regional Project RLA/06/901 (Lima, Peru, 14-18 October 2013);• RLA/06/901 Project Document (Version J); and• Contract N° 22501411 between ICAO and DWI for the provision of a web-based RAIM availability prediction service for the SAM Region.	
<i>ICAO strategic objectives:</i>	<i>A – Safety; and B – Air navigation capacity and efficiency</i>

1. Background

1.1 RLA/06/901 Project Document (Version J) was amended to include the RAIM availability prediction service, and was then circulated to RLA/06/901 member States through letter LN 3/24.2-SA5666 dated 27 September 2013 for their signature and delivery to the ICAO SAM Regional Office.

1.2 The public tender process for the implementation of the RAIM prediction service was initiated by the ICAO TCB on 23 August 2013, based on the corresponding technical specifications developed by the SAM/IG. The bids were assessed by the ICAO TCB in Montreal, on 1-3 October 2013, with the participation of the CNS Officer of the SAM Regional Office, representatives of Brazil and TCB officers. All RLA/06/901 member States were invited to participate in the assessment (letter LN 3/24.2-SA5590 dated 28 August 2013).

1.3 Bids were assessed based on a pre-established evaluation criterion known to the companies participating in the process. Three companies submitted a bid, but only two were assessed, since the other was discarded by the TCB on grounds of not complying with tender regulations.

1.4 Based on the technical and commercial evaluation, one company was proposed to be designated as the awardee. The meeting analysed the results of the assessment of the tender for the implementation of the web-based RAIM availability prediction service. In this regard, the SAM/IG/12 meeting analysed the evaluation and endorsed the results thereof. Accordingly, it formulated Conclusion SAM/IG/12-4 – *Approval of the evaluation of the web-based RAIM availability prediction service.*

2. Discussion

2.1 In order to allow the ICAO Technical Cooperation Bureau (TCB) in Montreal to start drafting the contract between ICAO (on behalf of all RLA/06/901 member States) and the awardee, all project member States were requested to send version J of the project duly signed by the respective aeronautical authorities.

2.2 All project documents, duly signed by the aeronautical authorities participating in project RLA/06/901, were received by 29 January 2014. In this regard, the ICAO TCB Procurement Section started drafting the contract and completed it on 17 March 2014. The contract is shown in the **Appendix** to this working paper. The Procurement Section sent the contract to the awardee of the RAIM bidding process for its review and signature.

2.3 In this sense, it is expected that the web-based RAIM availability prediction service will be available on the third quarter of 2014 to those users that require this service to validate a GNSS-based navigation procedure.

2.4 Since the RAIM availability prediction service would be available to each RLA/06/901 member State in the SAM Region by the second quarter of 2014, the Meeting should analyse how the service would be applied in each State.

2.5 Likewise, with a view to include all SAM States in the service coverage, the States that have not yet adhered to the service are invited to consider their participation therein. Regarding the States that are not yet participating, two have expressed interest in participating in the service but have not yet confirmed, and another one indicated that it could access the information through the RAIM availability prediction service of Eurocontrol, but it should be noted that the service of Eurocontrol does not cover the SAM Region.

3. Suggested action

3.1 The Meeting is invited to:

- a) take note of the information provided in this working paper;
- b) analyse that stated in section 2 of the working paper, especially paragraphs 2.4 and 2.5 and the Appendix to this working paper; and
- c) discuss any related matters it may deem appropriate.
