



ICAO

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North American, Central American and Caribbean Office

DISCUSSION PAPER

ANI/WG/2 — DP/08  
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**Second NAM/CAR Air Navigation Implementation Working Group Meeting (ANI/WG/2)**  
Puntarenas, Costa Rica, 1 to 4 June 2015

**Agenda Item 4 Follow-up on the NAM/CAR Regional Performance Based Air Navigation Implementation Plan (NAM/CAR RPBANIP)**

**4.1 Progress reports of the Task Forces and the ANI/WG**

**ANI/WG GOLD (CPDLC/ADS-C) IMPLEMENTATION TASK FORCE PROGRESS REPORT**

(Presented by ANI/WG GOLD Task Force Rapporteur)

<b>EXECUTIVE SUMMARY</b>	
<p>This discussion paper presents the results of discussion among the GOLD Task Force Members present at the ANI/WG/2 meeting, namely, Canada, COCESNA, Curaçao, and Trinidad and Tobago. The Working Group reviewed WP12 and IP16, specifically considering the draft conclusion suggested action and appendices from WP12.</p>	
<i>Strategic Objectives:</i>	<ul style="list-style-type: none"><li>• Safety</li><li>• Air Navigation Capacity and Efficiency</li><li>• Environmental Protection</li></ul>
<i>References:</i>	<ul style="list-style-type: none"><li>• NAM/CAR Regional Performance-Based Air Navigation Implementation Plan (RPBANIP)</li><li>• First NAM/CAR Air Navigation Implementation Working Group Meeting (ANI/WG/1), Mexico City, Mexico, 29 July to 1 August 2013</li><li>• Fourth North ANERICA, Central American and Caribbean Working Group Meeting (NACC/WG/04), Ottawa, Canada, 24 to 28 March 2015</li><li>• 2015 CAR Project RLA/09/801 CPDLC/ ADS-C Go-team planning</li><li>• ANI/WG/2 – WP/12</li><li>• ANI/WG/2 – IP/16</li></ul>

**1. Introduction**

1.1 The ANI/WG/1 Meeting, based on the ANI/WG ToRs, and Work Programme, established the GOLD TF under the ANI/WG structure to facilitate the implementation FANS 1/A Service, one seven topics identified to be developed through Task Forces under the ANI/WG.

1.2 The NACC/WG/4 approved the GOLD TF Terms of Reference and work programme, and endorsed the TF conclusion that the current GOLD TF work programme had been fulfilled and completed, but agreed a new deliverable should be suggested to the ANI/WG to provide a means of continued support for data link implementation to newly implementing States/Organizations. The GOLD TF new responsibility would include providing assistance and supporting the coordination of the implementation of CPDLC applications. Therefore, the TF should extend certain aspects of the current GOLD TF work programme until the end of 2015.

## 2. GOLD TF Progress and Results

2.1 The Meeting took note of the GOLD TF Terms of Reference and work programme approved by the NACC/WG/04 as presented in **Appendix A** to ANI/WG/2 –WP/12 with the inclusion of the task “**Assistance and supporting the coordination of the implementation of CPDLC applications.**”

2.2 The ANI/WG/2 Meeting noted the progress report on CPDLC and ADS-C as shown in **Appendix B** to WP/12 and the follow-up to the work programme in **Appendix C**. The meeting specifically noted that all tasks were shown as completed with the exception of the new task, which by its nature, is ongoing.

2.3 With respect to the new deliverable, the Meeting noted **Appendix D and E** to WP/12 wherein the GOLD TF developed a Checklist template entitled **CPDLC Implementation Considerations**; and a **CPDLC/ADS-C IMPLEMENTATION Action Plan**.

2.4 The meeting noted that implementation of CPDLC and ADS-C is planned for remote continental and oceanic airspaces in the following areas: the PIARCO FIR, Central American FIR- Pacific Oceanic airspace, Mexico Mazatlán Oceanic Airspace and northern part of Curaçao FIR. The meeting further noted that Trinidad and Tobago and COCESNA have commenced CPDLC and ADS-C trials.

2.5 The Meeting agreed that because of the discrete group of FIRs, the implementation assistance through the support of the CAR RLA/09/801 Project Technical Assistance Missions (TEAM) is the most efficient means. The meeting noted that two TEAMS have been scheduled, one for COCESNA (Central American FIR) and one for PIARCO FIR; Subject Matters Experts (SME) from Canada and United States with CPDLC/ADS-C with experience in CPDLC/ADS-C implementation in the North Atlantic (NAT) are scheduled to support these TEAMS. The meeting agreed the initial terms of reference of the TEAM presented in **Appendix F to WP/12**.

2.6 In order to support the CPDLC, ADS-C implementation, the following Draft conclusion is proposed:

### DRAFT CONCLUSION

ANI/WG/02/xx

### CPDLC/ADS-C IMPLEMENTATION GUIDANCE AND CONSIDERATIONS

That, in order to support the implementation of CPDLC, ADS-C, the States involved in this implementation adopt as references the **CPDLC Implementation Considerations**; and a **CPDLC/ADS-C IMPLEMENTATION Action Plan** shown in Appendix D and E to ANI/WG/2 –WP/12, respectively.

2.7 Based on the **IMPLEMENTATION Action Plan**, Mexico, Curaçao, Trinidad and Tobago and COCESNA are invited to update their Action Plans, inform ICAO on progress, make recommendations to improve the **CPDLC Implementation Considerations** and **IMPLEMENTATION Action Plan**, and provide as needed assistance to ensure effective Technical Assistance Missions.

2.8 In light of the progress report and results of the GOLD TF presented above and the agreement that the CAR RLA/09/801 Project Technical Assistance Missions (TEAM) is the most efficient means to support implementation, the meeting noted that the GOLD TF had fulfilled its mandate. The meeting therefore, in order to support the CPDLC, ADS-C implementation, proposed the following Draft conclusion:

**DRAFT CONCLUSION**

**ANI/WG/02/xx**

**GOLD Task Force dissolution**

That, the GOLD TF, based on the ANI/WG ToRs, and Work Programme, and established the ANI/WG structure to facilitate the implementation FANS 1/A Service, namely ADS-C and CPDLC has fulfilled its mandate as outlined in its terms of reference and approved work programme. As it is agreed that the support to States in the implementation of FANS 1/A is best fulfilled through CAR RLA/09/801 Project Technical Assistance Missions (TEAM), the meeting recommends that the GOLD TF be dissolved.

**3. Suggested Action**

3.1 The Meeting is invited to:

- a) take note of the progress made by the GOLD Taskforce regarding CPDLC/ADS-C;
- b) review and approved the draft conclusions proposed in paragraphs 2.6, and 2.8;
- c) Mexico, COCESNA, Curacao and Trinidad and Tobago are invited to inform ICAO of their Action Plans for CPDLC/ADS-C implementation as detailed in paragraph 2.7; and
- d) take any action as deemed necessary.