



ICAO

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North American, Central American and Caribbean Office

WORKING PAPER

NACC/WG/4 — WP/10
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**Fourth North American, Central American and Caribbean Working Group Meeting
(NACC/WG/4)**

Ottawa, Canada, 24 to 28 March 2014

**Agenda Item 3: Follow-up on the progress of the NAM/CAR Regional Performance-Based
Air Navigation Implementation Plan (NAM/CAR RPBANIP)
3.3 ANI/WG progress report and other regional group progress reports**

**ANI/WG OPERATIONAL ANALYSIS OF THE GOLD DOCUMENT VERSION 2 TASK FORCE
PROGRESS REPORT**

(Presented by ANI/WG GOLD Task Force Rapporteur)

EXECUTIVE SUMMARY	
This working paper presents the progress achieved by the GOLD Task Force since its creation in the ANI/WG/01 Meeting. Following the work programme of the Task Force (TF) and its deliverables, the paper includes the results for these deliverables and recommendation for improving the TF function and coordination	
Action:	The suggested action is presented in Section 3
<i>Strategic Objectives:</i>	<ul style="list-style-type: none">• Safety• Air Navigation Capacity and Efficiency• Environmental Protection
<i>References:</i>	<ul style="list-style-type: none">• RPBANIP• First NAM/CAR Air Navigation Implementation Working Group Meeting (ANI/WG/1), Mexico City, Mexico, 29 July to 1 August 2013• 1st GOLD TF teleconference (28 October 2014)• 2nd GOLD TF teleconference (26 November 2013)• 3rd GOLD TF teleconference (13 January 2014)

1. Introduction

1.1 During the ANI/WG/01 Meeting and based on the ANI/WG ToRs and Work Programme, the Group considered the existence of the various existing Ad hoc Groups that were working in support of the implementation working groups, such as the ADS-B Ad hoc Group, the AMHS Implementation Group, etc., and considered necessary to group them under the ANI/WG structure, including any other specific implementation task force, with the aim of providing continuity. In this regard, seven topics that shall be developed through Task Forces under the ANI/WG were identified.

1.2 Initial ToRs, preliminary membership and Rapporteurs for each Task Force were agreed during the ANI/WG/01 Meeting. In this regard Decision ANI/WG/1/3 *Terms of Reference, Work Programme and Membership of the ANI/WG Task Forces* was formulated.

1.3 The requirement to provide an operational review of the Global Operational Data Link (GOLD) document to determine its suitability as the approved guidance material in the NAM and CAR Regions was addressed by the following Conclusion:

CONCLUSION ANI/WG/1/8 OPERATIONAL REVIEW OF GLOBAL OPERATIONAL DATA LINK DOCUMENT (GOLD) EDITION 2

That in order to harmonize data link application usage in the NAM/CAR Regions with adjacent ICAO Regions, the Operational Analysis of the GOLD Document Version 2 Task Force assess and present the operational considerations and recommendations for the adoption of GOLD, Edition 2, to the ANI/WG by 30 January 2014, for subsequent presentation at the NACC/WG/4 Meeting.

2. GOLD TF Progress and Results

Review of ToRs and final work programme

2.1 The GOLD TF ToR are included as **Appendix A** to this working paper.

2.2 The GOLD TF workprogramme is included as **Appendix B** to this working paper.

Activities carried out

1st GOLD TF teleconference

2.3 GOLD TF team members were introduced and an overview provided of the need to review the GOLD as applicable in the CAR/NAM Regions. The GOLD was recognized as common guidance material with almost worldwide use (North Atlantic, Europe, Middle East, Asia-Pacific and South America) for harmonizing and supporting the implementation of data link applications.

2.4 ANI/WG Decision 1/3 was reviewed, including the GOLD TF ToRs and work programme. It was acknowledged that, based on ANI/WG Conclusion 1/8, the TF would present the operational considerations and recommendations for the adoption of GOLD, Edition 2 by 30 January 2014.

2.5 A briefing of the current GOLD Document was undertaken, with emphasis given to operational related matters described under Chapters 3 and 4 and the regional identified differences listed for the NAM/CAR Regions as described in its Appendix E.

2.6 The TF recognized the effort on this revision of the GOLD Document for the NAM/CAR Regions final endorsement and application. Trinidad and Tobago commented on their ATM system upgrades to start using CPDLC and ADS-C messages in the PIARCO FIR and COCESNA pointed out their future trials on CPDLC in the Central American FIR. Canada commented on the work achieved in Canadian domestic airspace and in the North Atlantic Region.

2.7 The participants commented on the different deliverables to be included in the work programme such as:

- a) initial review of the GOLD Document for applicability in the NAM/CAR Regions
- b) identification of regional differences and documenting them as potential additions to the next edition of GOLD
- c) recommendation to the ANI/WG on adoption of GOLD in the NAM/CAR Regions

2.8 The following actions were tasked from the 1st GOLD TF teleconference:

ACT 01: ICAO will contact Mexico DGAC and SENEAM for the designation of the GOLD TF Member by 1 November 2013.

ACT 02: GOLD Members to review and provide any comments, if any, to the Rapporteur by 8 November 2013.

ACT 03: TF Rapporteur will draft a tentative work programme by 30 October 2013 and members are expected to comment this draft submitting their inputs by 8 November 2013.

2nd GOLD TF teleconference

2.9 Progress on the review of the GOLD guidance was discussed and it was agreed to fold this activity into the deliverable *Identification of regional differences* and documenting them as potential additions to the next edition of the GOLD (draft 2). This would allow more time to conduct the necessary review and populate the Appendix E tables if necessary.

2.10 It was acknowledged that, due to the continuing maturity of the GOLD from the First to the Second Editions, there may not be many differences recorded. For example, the many differences listed under the NAT and PAC Regions are primarily due to the fact that these Regions had developed FANS procedures prior to the development of globally harmonized guidance.

3rd GOLD TF teleconference

2.11 Discussions noted that Canada, Trinidad and Tobago United States and COCESNA, indicated no major regional differences were identified from what is currently written in the GOLD document. ICAO indicated that the current GOLD Document Appendix E tables contain the latest information/planning of the NAM/CAR States as was exchanged in 2013.

2.12 Accordingly, having determined no operational obstacles to its use, the TF agreed to recommend to the ANI/WG and particularly to the upcoming NACC/WG/4 Meeting adoption of the GOLD, Version 2 as the guidance material for data link procedures in the NAM/CAR Regions.

2.13 Further to the need for data link guidance material, Trinidad and Tobago and COCESNA manifested that they are at an early stage in implementing data link application and the major interest is on the implementation of CPDLC applications in the oceanic airspace. In this regard, Trinidad and Tobago and COCESNA suggested to extent the scope of the GOLD TF to activities to provide assistance for the implementation with Canada leading this task.

2.14 Due to the above, the TF members concluded 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.

2.15 It is suggested that a new work programme could be drafted and revised ToR be proposed to the NACC/WG/04 Meeting.

2.15 The following actions were agreed at the 3st GOLD TF teleconference:

ACT 03/01: GOLD TF to suggest to the NACC/WG/04 Meeting a revised ToR and work programme for assisting CPDLC implementation, presenting a Working Paper on this matter and the progress made by the GOLD TF.

ACT 03/02: GOLD TF member States/Organizations to consider and encourage participation in the March 2014 ICAO Automation Workshop on CPDLC implementation.

ACT 03/03: To assist in future implementation support initiatives, Trinidad and Tobago, and United States, COCESNA to inform on their CPDLC timelines by 30 January 2014.

Deliverables and results

2.16 In accordance with the responsibilities outlined for it by the ANI/WG to support global harmonization of data link application usage through examination of the Global Operational Data Link Document (GOLD, Version 2) for applicability in the NAM/CAR Regions, and to also identify any potential regional differences, the GOLD TF, having determined no operational obstacles to its use, recommends adoption of the GOLD, Version 2 as the guidance material for data link procedures in the NAM/CAR Regions.

2.17 In this regard the TF agreed to recommend to the ANI/WG and particularly to the upcoming NACC/WG/4 Meeting the following Draft Conclusion:

DRAFT CONCLUSION NACC/WG/04/XX

ADOPTION OF THE GOLD DOCUMENT VERSION 2 FOR DATALINK APPLICATIONS IN THE NAM/ CAR REGIONS

That, in order to promote and facilitate the implementation of data link applications in the NAM and CAR Regions, that the States and Territories of the NAM/CAR Regions adopt the GOLD Document version 2, as the guidance material and reference document for the implementation of data link applications.

3. Suggested Actions

3.1 The Meeting is invited to:

- a) review and approve the new proposed responsibility presented in para. 2.14 to amend the GOLD TF ToRs and work programme;
- b) evaluate the progress of the GOLD TF;
- c) approve the draft conclusion and improvements suggested by the GOLD TF in para. 2.18 of this working paper; and
- d) propose any other action or task as deemed necessary

APPENDIX A
TERMS OF REFERENCE OF THE
OPERATIONAL ANALYSIS OF THE GOLD DOCUMENT VERSION 2 TASK FORCE

1. Background

During the first ANI/WG meeting, a Gold Document Operational Review/CPDLC Task Force was formed in order to streamline related air navigation implementation activities. This Task Force shall examine the Global Operational Data Link Document (GOLD) for applicability in the NAM/CAR Regions and identify any potential regional differences as well as update and report progress to the ANI/WG based on the action plan for these tasks.

2. Responsibilities

The Task Force is responsible for:

- a) Work Programme Management
- b) Reviewing the GOLD Document for applicability in the NAM/CAR Regions
- c) Identifying any regional differences and documenting these as potential additions to the next edition of GOLD
- d) Making recommendation to the ANI/WG on adoption of GOLD in the NAM/CAR Regions

3. Working Methods

The Task Force will:

- a) Present its work programme containing activities in terms of objectives, responsibilities, deliverables and timelines
- b) Avoid duplicating work within the ANI/WG and maintain close coordination among the existing entities to optimize use of available resources and experience
- c) Designate, as necessary, ad hoc groups to work on specific topics and activities and organize clearly defined tasks and activities
- d) Coordinate tasks to maximize efficiency and reduce costs via electronic means including emails, telephone and teleconference calls, and convene meetings as necessary
- e) Report on and coordinate the progress of assigned tasks to the ANI/WG

4. Work programme – included in Appendix B.

5. Membership

Task Force Member- Name:	State/T/IO	email
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**APPENDIX B
GOLD TASKFORCE WORK PROGRAMME**

TASKS	DELIVERABLES	Start Date	End Date	Responsible	Remarks
Review by each Member of ToR and draft work programme	Comments to GOLD TF	28/Oct/13	8/Nov/13	All Members	
Final Review and definition of Work Programme	Comments to ToR and Work Programme to ICAO	15/Nov/13	15/Nov/13	GOLD TF Rapporteur	
Review of GOLD Doc for applicability in the NAM/CAR Regions	Comments to Rapporteur on understanding GOLD Document	28/Oct/13	25/Nov/13	All Members	General document and focus on Chap 3 and 4, Appendix E based on each FIR experience
	Identification of regional differences and documenting them as potential additions to the next edition of GOLD, draft 1	26/Nov/13	16/Dec/13	All Members	
	Identification of regional differences and documenting them as potential additions to the next edition of GOLD, draft 2	17/Dec/13	14/Jan/14	All Members	
	Regional differences in GOLD applicability to report to ICAO	15/Jan/14	15/Jan/14	GOLD TF Rapporteur	

TASKS	DELIVERABLES	Start Date	End Date	Responsible	Remarks
	Recommendation to the ANI/WG on adoption of GOLD in the NAM/CAR Regions/the operational considerations and recommendations for the adoption of GOLD, Edition 2	28/Oct/13	27/Jan/14	All Members	
	Final recommendations for adoption of GOLD Doc	30/Jan/14	30/Jan/14	GOLD TF Rapporteur	
2 nd GOLD TF Teleconf	Review of GOLD specifics	26/Nov/13	26/Nov/13	All Members	
3rd GOLD Teleconf	Analysis of GOLD and preparation of inputs to the NACC/WG/04 Meeting	10/Jan/14	10/Jan/14	All Members	
Coordination of progress among TF Members	Inputs to ANI/WG Chairman for presentation to NACC/WG/04 Meeting	23/Jan/14	23/Jan/14	Rapporteur	One week prior to 30 January 2014 deadline to present the operational considerations and recommendations to the ANI/WG (DRAFT CONCLUSION ANI/WG/1/8 refers)

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