

**INTERNATIONAL CIVIL AVIATION ORGANIZATION
AFRICA AND LATIN AMERICA REGIONAL OFFICES**

OPERATIONAL DATA LINK SEMINAR

8 – 11 Aug 2016, Accra, Ghana

Provisional Programme

Day 1

Updated 24 May 2016

Time	Subject	Speaker(s)
Day One – 8 Aug 2016		
08:30 - 09:00	Registration	
09:00 – 09:30	Opening Welcome remarks by ICAO Dakar Regional Director or representative Introduction of speakers, panel members, and participants Introduction to the Seminar – Review of Agenda	ICAO
09:30 – 10:00	Session 1 - Understanding data link planning and implementation status 01 - Regional planning and implementation status	ICAO
10:00 – 10:30	Session 2 – Air-ground data link implementation 02 - Overview of DLIC, ADS-C and CPDLC in the African and Latin American Oceanic Areas 03 - ICAO provisions on data link implementation (GANP, ASBU, SARPs and PANS)	ICAO
10:30 – 11:00	Group Photo/Coffee Break	
11:00 – 12:30	Session 2 - Air-ground data link implementation 04 - Preparation for implementation - ANSP and its State 05 - Preparation for implementation - Operator and its State	TBD
12:30 – 13:30	Lunch	
13:30 – 15:00	Session 3 - Performance-based Communication and Surveillance (PBCS) 06 - Introduction to PBCS 07 - Application of PBCS in the provision of advanced ATM operations	TBD
15:00 – 15:30	Coffee Break	
15:30 – 16:30	Session 3 - Performance-based Communication and Surveillance (PBCS) 08 - Prepare for PBCS – ANSP and Operator	TBD
16:30 – 17:00	Q&A/Summary Day 1	Moderators

Day 2

Time	Subject	Speaker(s)
Day Two – 9 Aug 2016		
09:00 – 10:30	Session 3 - Performance-based Communication and Surveillance (PBCS) 09 - Flight Plan RCP/RSP Codes	TBD
10:30 – 11:00	Coffee Break	
11:00 – 12:30	Session 3 - Performance-based Communication and Surveillance (PBCS) 10 - Post implementation monitoring (ANSP)	TBD
12:30 – 13:30	Lunch	
13:30 – 15:00	Session 3 - Performance-based Communication and Surveillance (PBCS) 11 - PBCS analysis data in NAT or APAC (speaker dependent) 12 - PBCS online analysis tool	TBD
15:00 – 15:30	Coffee Break	
15:30 – 16:30	Session 3 - Performance-based Communication and Surveillance (PBCS)	TBD
16:30 – 17:00	Q&A/Summary Day 2	Moderators

Day 3

Time	Subject	Speaker(s)
Day 3 – 10 Aug 2016		
09:00 – 10:30	Session 4 - Implementation issues, challenges, lessons learned for Data Link Monitoring 14 - Airspace user datalink perspective 15 - ATS data link deployment-aircraft manufacturer's perspective	IATA TBD USA TBD
10:30 – 11:00	Coffee Break	
11:00 – 12:30	Session 4 - Implementation issues, challenges, lessons learned for Data Link Monitoring 16 - PBCS transition strategy 17 - ANSP's experience	TBD
12:30 – 13:30	Lunch	
13:30 – 15:00	Session 4 - Implementation issues, challenges, lessons learned for Data Link Monitoring 18 - Modifying ATS system for RCP/RSP indicators	TBD
15:00 – 15:30	Coffee Break	

15:30 – 16:30	Q&A/Summary Recommendations and Conclusions to South Atlantic Oceanic Region	Moderators and ICAO
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Day 4

Time	Subject	Speaker(s)
Day 4 – 11 Aug 2016		
09:00 – 10:30	Session 5 - Development of a Plan for the South Atlantic Oceanic Region 19 – Determining make-up and goals for South Atlantic Oceanic Region Task Force	ICAO Dakar/Lima
10:30 – 11:00	Coffee Break	
11:00 – 12:30	Session 5 - Development of a Plan for the South Atlantic Oceanic Region 20 – Develop listing of challenges, issues to be resolved throughout for establishing the South Atlantic Oceanic Region.	TBD
12:30 – 13:30	Lunch	
13:30 – 15:00	Session 5 - Development of a Plan for the South Atlantic Oceanic Region 21 –Development of a timeline for resolution of challenges/issues for establishing Data Link Monitoring and a Central Monitoring Agency	TBD
15:00 – 15:30	Coffee Break	
15:30 – 16:30	Q&A/Summary Summation of Day 4 activities	Moderators and ICAO

Time	Subject	Speaker(s)
Day 5 – 12 Aug 2016		
09:00 – 10:30	Session 6 - Development of a Plan for the South Atlantic Oceanic Region 22 – Develop papers for APIRG, AFI-SC, and ICAO Montreal	ICAO Dakar/Lima
10:30 – 11:00	Coffee Break	
11:00 – 12:30	Session 6 - Development of a Plan for the South Atlantic Oceanic Region Recommendations, conclusions to APIRG, AFI-SC, and ICAO Montreal	Moderators and ICAO

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ATTACHMENT B1

OPERATIONAL DATA LINK WORKSHOP

PROVISIONAL PROGRAMME

(Accra, Ghana, 8-12 August 2016)

Session 1: Introduction to air-ground data link

The ICAO regional officers will provide an overview of the data link implementation addressing benefits and ICAO provisions (GANP, ASBU, SARPs and PANS). The participants will then be briefed on the current status of regional data link planning and implementation.

Session 2: Preparation for and use of CPDLC and ADS-C

The presentations will be made by the members of the ICAO Operational Data Link Working Group of the Communications Panel (CP-OPDLWG) on guidance and best practices for successful preparation for and implementation of CPDLC and ADS-C. The presentations will highlight the content of the Global Operational Data Link (GOLD) Manual (Doc 10037) that will be of interest for States, air navigation service providers (ANSPs) and operators. The topics to be addressed in this session are as follows:

- **For ANSP and its State:** development of concept of operations, System safety assessment, ground system automation, aeronautical information notification, inter-facility agreements, procedure development and training, trial operation and validation, data link performance monitoring
- **For operator and its State:** operations policy and approval, training for flight crew and flight operations officers
- **For flight crew and controller:** procedures on use of CPDLC and ADS-C

Session 4: Performance-based communication and surveillance (PBCS)

The presentations will be made by the members of the CP-OPDLWG on guidance and best practices for PBCS implementation. The presentations will highlight the PBCS provisions in Annexes 6, 11 and 15 and PANS-ATM (Doc 4444) as well as performance-based separation standards in the PANS-ATM (Doc 4444). The participants will also be briefed on the content of the Performance-based Communication and Surveillance Manual (Doc 9869). The topics to be addressed are as follows:

- Introduction to PBCS;
- Application of PBCS in the advanced ATM operations;
- PBCS approval and compliance – State, ANSP and Operator;
- Flight plan filing – RCP and RSP specifications; and
- Post implementation monitoring.

Session 5: Implementation issues, challenges, lessons learned and solutions

Workshop participants are invited to present any issues/challenges regarding CPDLC, ADS-C and PBCS implementation as well as lessons learned. Members of the OPDLWG will present lessons learned from their experiences in the North Atlantic (NAT) and Asia and the Pacific (APAC) Regions.

Session 6: Development of a data link implementation plan for the South Atlantic Airspace

Workshop participants will work in small groups to develop a data link implementation plan for South Atlantic Airspace. The plan may include the operational improvement to achieve from the implementation of CPDLC, ADS-C and PBCS, required technologies and systems, list of tasks by stakeholders and implementation roadmap, etc. The main outcome of this session will serve as a basis for the development of recommendations for consideration by the relevant Planning and Implementation Groups (PIRGs).

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