International Civil Aviation Organization　　　　　　SAT/21/IP/xx

Nineteenth Meeting on the improvement of Air Traffic Services over　18/05/16
the South Atlantic (SAT/21)
Lisbon Portugal (8 -10 June 2016)

Agenda Item 3:　　　　**Communications, navigation and surveillance (CNS) (By CNS Working Group)**

NAM/CAR/SAM ATS DATALINK IMPLEMENTATION WORKSHOP

(Presented by the Secretariat)

EXECUTIVE SUMMARY	
This Information Paper present the result of the NAM/CAR/SAM ATS Data Link Implementation workshop	
Action:	Suggested Action is presented in Section 3.
Strategic Objectives:	Safety Air Navigation Capacity and Efficiency
References:	Summary report NAM/CAR/SAM ATS Data Link Implementation workshop ((Philisburg, Sint Maarten, 18-21 April 2016)

1.　　　　Introduction

1.1　　In order to provide the necessary technical knowledge and guidance to effectively implement air-ground and ground-ground ATS data link. a workshop for NAM/CAR/SAM ATS Data Link Implementation was made in Philisburg, Sint Maarten from 18-21 April 2016 .

1.2　　The workshop was attended by 47 representatives of 15 NAM/CAR/SAM States, 4 International Organisations of the Regions and 3 industry representatives. The workshop was designed to support the implementation of Aviation System Block Upgrade (ASBU) B0 modules mainly: B025/FICE - *Increased Interoperability, Efficiency and Capacity through Ground-Ground Integration*; and B040/TBO – *Improved Safety and Efficiency through the initial application of En-Route Data Link*. The workshop will also provide opportunities to make recommendations in support of regional implementation of the above-mentioned ASBU modules.

1.3　　During the workshop presentations was made on contents of Global Operational Data Link Manual (Doc 10037) and the Performance-Based Communications and Surveillance (PBCS) Manual (Doc 9869) and implementation issues, challenges and lessons learned on datalink implementation in different Region of the world mainly NAM, CAR, SAM and Europe.. The workshop also addressed subjects related to implementation of ATN ground-ground applications (Air Traffic Services Inter-Facility Data Communication (AIDC) and Aeronautical Message Handling System (AMHS)), with follow-up of regional implementation plans and implementation targets.

2　　　　Analysis

2.1　　The workshop of data link implementation in the NAM/CAR/SAM Region as conducted in 6 sessions:

- Session 1 - Understanding datalink planning and implementation status / introduction to workshop
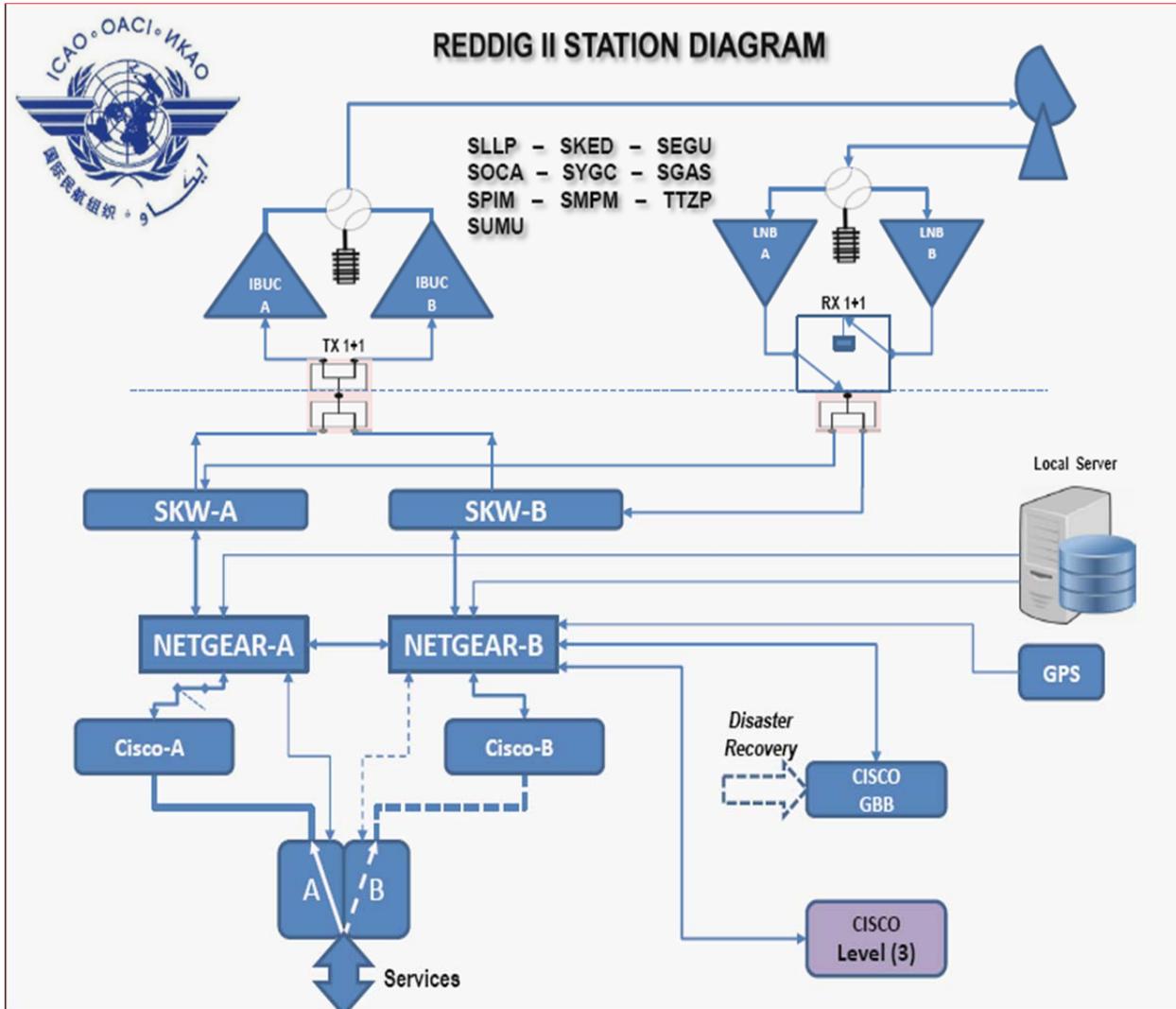
- Session 2 Introduction to Air-Ground Data Link / *Global and Regional plans/ ICAO provisions*
- Session 3 Preparation for air-ground data link implementation (ANSP)
- Session 4 Air-Ground datalink implementation issues, challenges, lessons learned
- Session 5 -Introduction to Ground-Ground data link/ *Global and Regional plans/ ICAO provisions*
- Session 6 - Ground-Ground data link implementation issues

2.2   Important conclusions and recommendations were made as result of the information presented and the analysis and discussion of the presentations in the different session. As **Appendix** of this information paper a summary of the event is presented with a resume of all the presentation and the list of conclusion and recommendation .The complete presentation will be downloading at following ICAO portal http://www.icao.int/NACC/Pages/meetings-2016-ats.aspx)
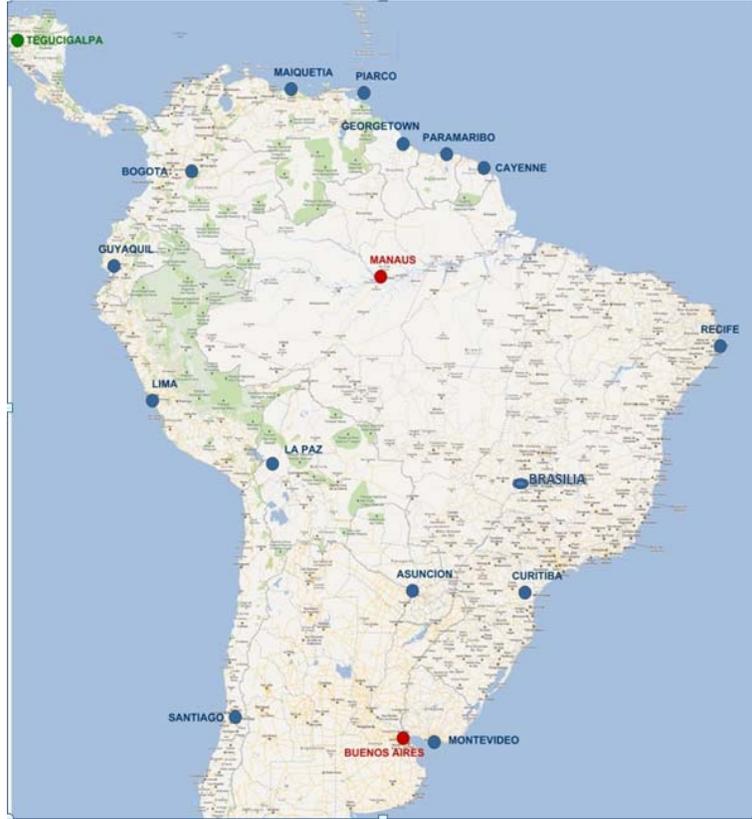
3.   Action required

3.1   The meeting is invited to take note of the information supplied

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APPENDIX A

REDDIG II STATION DIAGRAM

SLLP – SKED – SEGU
SOCA – SYGC – SGAS
SPIM – SMPM – TTZP
SUMU

APPENDIX B
LOCATION OF REDDIG II NODES AND LEVEL 3 GROUND NETWORK

: Location of REDDIG II nodes

Optic fiber ground network of LEVEL 3

APPENDIX C

SITA data link services   from the Chilean Air Navigation Service Provider (Chile Oceanic FIR) though REDDIG II network

REDDIG Network
(Full Mesh)

Existing REDDIG
switch in DGAC SCL

Existing REDDIG
switch in Recife

DECEA Recife
Router

PREC077

DGAC Router

DGAC LANs

CPDLC
Server

SITA/OBS WAN

PYUL549/550   YUL ADFP

PGIG172
PGIG173

GIG ADFP