International Civil Aviation Organization	Organisation de l'aviation civile internationale	Organización de Aviación Civil Internacional	Международная организация гражданской авиации	منظمة الطيران المدني الدولي	国际民用航空组织

When replying please quote:
Ref.: NT-NT9-1; NT-NS2-35 — **E.OSG - NACC59371**   12 February 2016

To: States, Territories and International Organizations

Subject: **Invitation to the NAM/CAR/SAM Air Traffic Services (ATS) Data Link Implementation Workshop**
(Philipsburg, Sint Maarten, 18-21 April 2016)

Action
Required: **Register participation by 18 March 2016**

Sir/Madam,

I wish to invite you to the NAM/CAR/SAM Air Traffic Services (ATS) Data Link Implementation Workshop, which will be kindly hosted by the Sint Maarten Air Navigation Service Provider (ANSP), the Princess Juliana International Airport, in Philipsburg, Sint Maarten, from 18 to 21 April, 2016.

The objective of the workshop is to provide participating States and ANSPs the necessary technical knowledge and guidance to effectively implement air-ground and ground-ground ATS data link. The workshop will also present a networking and knowledge-sharing opportunity through which participants can exchange best practices and lessons learned.

The workshop is 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.

The workshop will consist of presentations by subject matter experts on contents of Global Operational Data Link Manual (Doc 10037, in preparation) and implementation issues, challenges and lessons learned. The workshop will also address 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

The provisional programme, which will be tailored to address the needs of workshop participants, is provided in **Attachment A**. In this regard, a survey form provided in **Attachment B** has been prepared to collect information on the status of data links and ATN ground-ground applications (AIDC and AMHS) implementation and expectations on the workshop. The final workshop programme will be made available on the ICAO NACC website: http://www.icao.int/NACC/Pages/meetings.aspx?year=2016&cM=02&cY=2016 in due course.

You are kindly requested to confirm the participation of your administration/organization at your earliest convenience, but in any case by **18 March 2016,** by forwarding the survey and registration forms provided at **Attachments B and C** respectively, duly filled to the following e-mail address icaonacc@icao.int.

General information for participants, including the venue of the workshop and recommended hotels can be found in **Attachment D**. You may also wish to note that the workshop will be conducted in English with simultaneous interpretation into Spanish if sufficient participants are registered in Spanish. All documents will be provided in electronic format only. Therefore, participants should bring along their laptop computers.

Kindly also indicate if your Administration/Organization intends to submit contributions to the workshop in the form of presentations, by **18 March 2016**.

Furthermore, in accordance with the 2016 Activities Plan approved by the Steering Committee of the Regional Technical Cooperation Project for the Caribbean Region – *Implementation of Performance-Based Air Navigation Systems for the CAR Region (RLA/09/801)*, I am pleased to inform that the Project is offering for this event one fellowship to each Project Member[1].

The fellowship includes Daily Subsistence Allowance (DSA) to cover lodging and per diem. Your Administration shall provide the candidate with the air ticket to/from **Philipsburg, Sint Maarten**, and ensure that the candidate has the necessary travel documents, vaccinations, and visa prior to departure. The duly completed Fellowship Nomination Form must be received in this Regional Office by **28 March 2016**. The steps to apply for a fellowship, the nomination form and other useful information are published on the Project RLA/09/801 website at: http://www.icao.int/NACC/Pages/edocs-tc.aspx

Regarding the fellowship offered to the Eastern Caribbean States through ECCAA, please note that the candidate appointment decision should be made between your Administration and ECCAA. Once coordination has been completed, the nomination form of the candidate representing the Eastern Caribbean States **should be sent to this Regional Office by ECCAA**.

If you require further information regarding the workshop, please contact Mr. Julio Siu, ICAO NACC Regional Deputy Director (jsiu@icao.int) or Mr. Onofrio Smarelli, ICAO SAM Regional Officer, Communications, Navigation and Surveillance (osmarelli@icao.int).

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[1] ***RLA/09/801 Project Member States*** *are: Bahamas, Barbados, Cuba, Curaçao, Dominican Republic, Haiti, Jamaica, Mexico, OECS States through ECCAA (Antigua and Barbuda, Grenada, Saint Kitts and Nevis, Saint Lucia and Saint Vincent and the Grenadines), Trinidad and Tobago and Central American States through COCESNA (Belize, Costa Rica, El Salvador, Guatemala, Honduras and Nicaragua).*

Accept, Sir/Madam, the assurances of my highest consideration.

for
Melvin Cintron
Regional Director
North American, Central American and
Caribbean (NACC) Regional Office

Enclosure:
A.   Provisional Programme
B.   Survey on needs and expectations of the workshop
C.   Registration Form
D.   General Information

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ATTACHMENT/ADJUNTO A

PROVISIONAL PROGRAMME/PROGRAMA PROVISIONAL
NAM/ CAR/ SAM ATS DATA LINK IMPLEMENTATION WORKSHOP/ TALLER PARA LA
IMPLEMENTACIÓN DE ENLACE DE DATOS ATS PARA LAS REGIONES NAM/CAR/SAM
(Philipsburg, Sint Maarten, 18-21 April 2016/Philipsburg, Sint Maarten, 18 al 21 de abril de 2016)

Time / Hora	Subject / Tema
Day One – 18 April 2016 / Día Uno – 18 de abril de 2016	
08:30 – 09:00	Registration/Registro
09:00 – 09:30	**Opening/Inauguración** - Welcome remarks/Palabras de bienvenida - Introduction of speakers and participants/Introducción de conferencistas y participantes
09:30 – 10:30	**Session 1/Sesión 1 - Understanding data link planning and implementation status/Entendiendo la planificación y el estado de implementación del enlace de datos** - Summary of the surveys and current situation with air-ground and ground-ground Data link implementation status – each State/ANSP to provide overview of its respective airspace/ Resumen de las encuestas y situación actual del estado de implementación de Enlace de datos aire-tierra y tierra-tierra – cada Estado/ANSP proveerá un panorama de su espacio aéreo respectivo
10:30 – 11:00	**Coffee Break / Pausa para el Café**
11:00 – 12:30	**Session 2/Sesión 2 - Introduction to data link/Introducción al enlace de datos** - Global and regional plans/Planes regionales y mundiales - ICAO provisions/Disposiciones de la OACI - Data link benefits for continental, oceanic and terminal airspace/Beneficios de enlaces de datos para el espacio aéreo continental, oceánico y terminal - Overview of Data Link Initiation Capability (DLIC), Controller-Pilot Data Link Communication (CPDLC) and Automatic Dependent Surveillance – Contract (ADS-C)/ Panorama general de Capacidad de iniciación de enlace de datos (DLIC), Comunicaciones por enlace de datos controlador-piloto (CPDLC) y Vigilancia dependiente automática – contrato (ADS-C) - Regional guidance and supporting material/Guías regionales y material de apoyo
12:30 – 13:30	**Lunch / Almuerzo**
13:30 – 15:00	**Session 2/Sesión 2 - Introduction to data link/Introducción al enlace de datos** (Cont.)
15:00 – 15:30	**Coffee Break / Pausa para el Café**
15:30 – 16:30	**Session 2/Sesión 2 Introduction to data link/Introducción al enlace de datos** (Cont.)
16:30 – 17:00	**Q&A/ Preguntas y respuestas Summary Day 1/Resumen Día 1**
Day Two – 19 April 2016 / Día Dos – 19 de abril de 2016	
09:00 – 10:30	**Session 3/Sesión 3 - Preparation for data link implementation (ANSP)/Preparación para la implementación del enlace de datos (ANSP)** - Project planning/Planificación del proyecto - System safety assessment/Evaluación de seguridad del sistema - ATC automated data link functions/Funciones de enlace de datos automatizados ATC - Aeronautical information, notification and interfacility agreements/Acuerdos entre instalaciones, notificaciones e información aeronáutica
10:30 – 11:00	**Coffee Break / Pausa para el Café**
11:00 – 12:30	**Session 3/Sesión 3 - Preparation for data link implementation (ANSP)/Preparación para la implementación del enlace de datos (ANSP)** - Procedure development/Desarrollo del procedimiento - Controller training/Instrucción del controlador - Trial operation and validation/Validación y operación de prueba
12:30 – 13:30	**Lunch / Almuerzo**
13:30 – 15:00	**Session 3/Sesión 3 - Preparation for data link implementation (Operator)/Preparación para la implementación del enlace de datos (Explotador)** - Operational approval, if applicable/Aprobación operacional, si corresponde - Operations policy/Política de operaciones - Training of flight crew and flight operations officers/Instrucción de la tripulación de vuelo y oficiales de operación de vuelo

Time / Hora	Subject / Tema
13:30 – 15:00	**Session 3/Sesión 3 - Preparation for data link implementation (Operator)/Preparación para la implementación del enlace de datos (Explotador)** (Cont)
15:00 – 15:30	**Coffee Break / Pausa para el Café**
15:30 – 16:30	**Session 3/Sesión 3 - Preparation for data link implementation – (ANSP and Operator)/ Preparación para la implementación del enlace de datos – (ANSP y Explotador)** - Performance-Based Communication and Surveillance (PBCS) monitoring programme (data link)/Programa de monitoreo (enlace de datos) de la Comunicación y vigilancia basada en la performance (PBCS)
16:30 – 17:00	**Q&A/ Preguntas y respuestas Summary Day 2/Resumen Día 2**
Day Three – 20 April 2016 / Día Tres – 20 de abril de 2016	
09:00 – 10:30	**Session 4/Sesión 4 - Air-ground Implementation issues, challenges, lessons learned/Asuntos de implementación aire-tierra, retos y lecciones aprendidas** - ANSP perspective (Oceanic and continental airspace)/Perspectiva ANSP (Espacio aéreo oceánico y continental)
10:30 – 11:00	**Coffee Break / Pausa para el Café**
11:00 – 12:30	**Session 4/Sesión 4 - Air-ground Implementation issues, challenges, lessons learned/Asuntos de implementación aire-tierra, retos y lecciones aprendidas** - ANSP perspective (Oceanic and continental airspace) Perspectiva ANSP (Espacio aéreo oceánico y continental)
12:30 – 13:30	**Lunch / Almuerzo**
13:30 – 15:00	**Session 4/Sesión 4 - Air-ground Implementation issues, challenges, lessons learned/Asuntos de implementación aire-tierra, retos y lecciones aprendidas** - Operator perspective/Perspectiva del explotador - Aircraft Manufacturer/Fabricante de aeronaves - Communication Service Providers (CSP and SSP) perspective/Perspectiva de Proveedores de servicios de comunicación (CSP y SSP)
15:00 – 15:30	**Coffee Break/Pausa para el Café**
15:30 – 16:30	**Session 4/Sesión 4 - Air-ground Implementation issues, challenges, lessons learned** (cont) **/Asuntos de implementación aire-tierra, retos y lecciones aprendidas** (cont)
16:30 -17:00	**Q&A/ Preguntas y respuestas Summary Day 3/Resumen Día 3**
Day Four – 21 April 2016 / Día Cuatro – 21 de abril de 2016	
09:00 – 10:15	**Session 5/Sesión 5 - Introduction to Ground -ground data link/Introducción al enlace de datos tierra-tierra** - Global and regional plans/Planes regionales y mundiales - ICAO provisions/Disposiciones de la OACI - Data Integration and interconnection/Interconexión e integración de datos - Regional guidance and supporting material/Guías regionales y material de apoyo
10:15 – 10:30	**Coffee Break / Pausa para el Café**
10:30 – 12:30	**Session 5/Sesión 5 - Introduction to Ground -ground data link** (cont)**/Introducción al enlace de datos tierra-tierra** (cont)
12:30 – 13:30	**Lunch / Almuerzo**
13:30 – 15:00	**Session 6/Sesión 6 Ground-ground data link implementation issues/ Asuntos de implementación de enlace de datos tierra-tierra** - Aeronautical Message Handling System (AMHS) Interconnection/Interconexión Sistema de tratamiento de mensajes de los servicios de tránsito aéreo (AMHS) - Ground-ground automation (Air Traffic Services Inter-Facility Data Communication (AIDC) or On-Line Data Interchange (OLDI))/Automatización Tierra-tierra (Comunicaciones de datos entre instalaciones de servicios de tránsito aéreo (AIDC) o Intercambio directo de datos (OLDI))
15:00 – 15:30	**Coffee Break / Pausa para el Café**
15:30 – 16:30	**Session 6/Sesión 6 - Ground-ground data link implementation issues** (Cont.)**/Asuntos de implementación de enlace de datos tierra-tierra** (Cont.)
16:30 – 17:00	**Q&A/ Preguntas y respuestas Summary Day 4/Resumen Día 4** **Relevant recommendations and Conclusions/ Recomendaciones y Conclusiones relevantes**

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ICAO | International Civil Aviation Organization

NAM/ CAR/ SAM ATS Data Link Implementation Workshop
(DAT/INT)
Philipsburg, Sint Maarten, 18 to 21 April 2016

GENERAL INFORMATION

(Presented by the Secretariat)

1. **Event Venue and Dates**

The **NAM/CAR/SAM ATS Data Link Implementation Workshop** will take place in Philipsburg, Sint Maarten, from 18 to 21 April 2016.

Venue: Sonesta Maho Beach
Address: Rhine Road
Tel.: +1-721-545-2115
Fax: +1-721-545-5054
E-mail: CMELO@MAHOBEACH.COM
Website: www.sonesta.com/mahobeach

2. **Name of the Meeting's Coordinator, Address and Contact Numbers**

Ms. Suzy Kartokromo
Manager - Marketing & Customer Service Department
Airport road 99
Simpsonbay, Sint Maarten
Telephone: +1-1721-546-7524
Email: skartokromo@sxmairport.com

3. **Participants Registration**

Delegate registration will take place on 18 April 2016, from 08:30 to 09:00 hours.

4. **Opening Ceremony**

The opening ceremony will take place on 18 April 2016, from 09:00 to 09:30 hours.

5. **Documentation Link**

The documentation for the Meeting is being posted on the ICAO NACC Office website http://www.icao.int/NACC/Pages/meetings.aspx?year=2016&cM=02&cY=2016; participants should check our website frequently to download the documentation. All participants must bring their own set of documentation (hard copy or electronically in a laptop) to the workshop venue; there will be no hard copies available for distribution.

6.   Accommodation

The suggested hotels for all participants are as follows:

Hotel	Rates
Sonesta Maho Beach Address: Rhine road, Sint Maarten Tel.: 1-721-545-2115 Fax: 1-721-545-5054 E-mail: cmelo@mahobeach.com Web: www.sonesta.com/mahobeach **Walking distance to shopping, food and nightly entertainment.**	**Single Double** **US$ 185.00 US$ 110.00** Note: Rate is all-inclusive
Other area hotels: www.alegriasxm.com www.simpsonbayresort.com	

Please book directly with the hotel, **not online**, to obtain preferred rate.

10.   Transportation

Transportation will be provided to the workshop venue daily. Bookings are to be made as early as possible as room allocation will be subject to availability due to high occupancy at that time. Please advise the Coordinator of the hotel chosen so that pick up may be arranged.

11.   Local Transportation

The recommended methods of transportation are taxis.

12.   **Hospitals**

Emergency services are available, for more information please call: +1-721-543-1111

13.   Commercial working hours

General store opening times are 8:30 to 18:00 hours approximately, with supermarkets until 20:00 hours. Banks are opened Monday to Friday 08:30 to 15:30 hours.

14.   Electricity

110 on the Dutch side and 220 volts on the French. If higher voltage is required, please request information at hotel registration.

15.   **Visa**

To be verified at embassies and consulates in respective States.

16.   **Other useful information**

Tips in restaurants and related places are normally included in the bills. If not, then they are at your discretion. However, 10-15% is the norm.

The Airport departure tax is included in your ticket.

— END —