NACC/WG/5 — DP/04
24/05/17

Fifth North American, Central American and Caribbean Working Group Meeting (NACC/WG/5)

Port of Spain, Trinidad and Tobago, 22-26 May 2017

Agenda Item 3   Implementation on Air Navigation Matters
        3.3   ANI/WG Progress on AIM, ATM and CNS

ATS INTERFACILITY DATA COMMUNICATION (AIDC) TASK FORCE REPORT

(Presented by the AIDC Task Force Rapporteur)

EXECUTIVE SUMMARY	
This discussion paper presents the results of the AIDC Task Force workgroup session during the NACC/WG/5 meeting	
Strategic Objectives:	• Safety • Air Navigation Capacity and Efficiency
References:	• Third NAM/CAR Air Navigation Implementation Workgroup Meeting (ANI/WG/3) Report, Mexico City, Mexico, April 4-6, 2016

1.   Introduction

1.1   Members of the AIDC Task Force met during the NACC/WG/5 meeting. During this session the ANI/WG action plan was reviewed, the activities of the task force during last year was reviewed and recommendations were discussed.

2.   Discussion

Terms of reference and work programme

2.1   The terms of reference includes the membership, which was modified during the last year. The work programme was also modified to reflect new activities, most of which are complete. The new membership and work programme are presented in **Appendices A and B**, respectively.

Regional Plan

2.2   The updated regional plan is presented in **Appendix C**. The implementation of AIDC has remained roughly the same during the last period. A map reflecting the current (in blue) and pending (in red) interfaces implemented is offered in **Appendix D**.

FPL Monitoring Group

2.3   The AIDC Task Force has an Ad hoc group that has been addressing the case of erroneous Flight Plans (FPLs). This group, known as the FPL Monitoring Group, has its updated membership list and work programme as shown in **Appendices E and F**, respectively.

Task Force Activities

2.4   The Task Force had a face to face meeting just after the ANI/WG/3 meeting in April 2016, and a teleconference early 2017.

2.5   The FPL Monitoring Group held a face to face meeting in April 2016, after the ANI/WG/3 meeting and four teleconferences.

2.6   During the face to face meetings, the increasing use of Current Flight Plan (CPL) messages as AIDC implementation progress was discussed, considering this will dictate a change in use of the FPL message, concentrating more as destined to the departure aerodrome and for flow management purposes in the Flight Information Regions (FIRs) that will depend more on the CPL message from the previous FIR.

2.7   A regional position for flight plan processing was discussed, but compliancy with said proposal would be difficult taking into account the current level of flight plan errors. This position would allow operators to file flight plans depending on the level of correctness achieved.

2.8   Virtual meetings with operators and Air Navigation Services Providers (ANSPs) were scheduled, in order to discuss mitigation measures with the main contributors to flight plan errors. These main contributors were extracted from the last data collection phase according to the graph shown in **Appendix G**. There was e-mail exchange with Jeppesen regarding flight plans errors from Aeromexico and related companies (Interjet, Aeromexico Connect, Volaris, etc). Jeppesen was working independently with Aeromexico for the reduction of the errors. A teleconference was also held with Copa Airlines and Panama ANSP, in coordination with ICAO South American (SAM) Regional Office, which resulted in procedure changes agreed between the parties.

2.9   A data collection has been scheduled for April of 2017, to check how the latest measures have resulted. For this phase, one hour samples will be taken two or three times a day, and the total flight plans processed during those periods will be recorded. This will give a base for comparison.

2.10   Trinidad and Tobago and COCESNA have implemented new systems: a system for generating rejection messages for erroneous flight plans and a central flight plan processing system, respectively. Trinidad and Tobago is still in testing phase for their system.

FPL2012 Post Implementation Checklist (Converters Checklist)

2.11   The updated converters checklist is presented in **Appendix H**. COCESNA agreed to send an estimated date for the removal of converters in Belize, Costa Rica and Honduras.

2.12   The impact of erroneous flight plans and the implementation of AIDC in the reduction of LHDs in the region were presented by the GTE during the meeting, and this presentation was discussed. The dependence of AIDC on the correctness of FPLs was identified, as there is the case of Mexico and COCESNA, who still have the interface in testing mode because of the level of errors in flight plans.

2.13   The ability of States to process flight plans was discussed, pointing out that the personnel is not always ideally trained, and that contributes to the error rate of flight plans.

2.14   As the report from the GTE identified that radar data sharing also can contribute to the reduction of LHDs, the encouragement of this practice should be managed through the Surveillance Task Force.

2.15   Regarding the task force itself, it was identified that some members have a very low participation in teleconferences and activities of the task force. The recommendation was that these participants be asked to commit or others proposed by their State that can be more active.

2.16   The need for a homogeneous regional procedure for flight plans was once again discussed. It was agreed that the procedure that is described already in the corresponding ICAO documents should be the basis for this regional procedure, as recommended by the conclusion of the GTE/16. The task force agreed that this regional procedure be integrated into document 7030 to give an official character to it and allow it to be enforced in the region. In the meanwhile, an AIC could be published with these procedures to allow the measures to be implemented while the document is amended. This procedure will include measures pertaining to issues such as the use of change/cancel messages for the modification of flight plans, the filing of alternate aerodromes, the origination of flight plans and the delegation of the same to the airlines, and the recommendation to discontinue use of RPLs. This procedure will be drafted by the group to be presented to the next GREPECAS meeting.

2.17   The face to face meeting for the AIDC Task Force and the FPL Monitoring Group scheduled for next year should appear in the list of meetings on the ICAO page. This will allow States to program the pertinent members and allocate budget for them to attend.

2.18   Based on the discussion above, the group proposes the following conclusions:

DRAFT CONCLUSION
NACC/WG/5/XX   **TITLE**

> That, a minimum required competency be established for AIS/ARO personnel in the region, based on the recommended training syllabus described in document 7192 Part E3;

DRAFT CONCLUSION
NACC/WG/5/XX   **TITLE**

> That, ICAO encourages the implementation of AIDC in the region, as a measure of interest for operational safety reasons.

DRAFT CONCLUSION
NACC/WG/5/XX <mark>TITLE</mark>

That, a regional procedure for the processing of flight plans, to be drafted by the FPL Monitoring Group, be proposed for integration in document 7030, Supplementary Regional Procedures.

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APPENDIX A

ATS INTERFACILITY DATA COMMUNICATION (AIDC) TASK FORCE MEMBERSHIP

Member Name	State/Territory/Organization	Email
Troy Wilton	Canada	wiltont@navcanada.ca
Jenny Lee	COCESNA	jenny.lee@cocesna.org
Luis Manuel Coello	COCESNA	luis.coello@cocesna.org
Fernando Naranjo Elizondo	Costa Rica	fer_nar_eli@hotmail.com
Warren Quiróz	Costa Rica	navegacionaerea.cns@dgac.go.cr
Carmen De Armas	Cuba	carmen.dearmas@iacc.avianet.cu
Jorge Centella	Cuba	jorge.centella@iacc.avianet.cu
Manuel Castillo	Cuba	manuel.castillo@iacc.avianet.cu
Fernando Cassó Rodríguez	Dominican Republic	fernando.casso@idac.gov.do
Julio César Mejía	Dominican Republic	jmejia@idac.gov.do
Abang Floyd	IATA	abangf@iata.org
Oscar Vargas Antonio	Mexico	ovargasa@sct.gob.mx
Miguel Angel Reyes Rodríguez	Mexico	mrking61@gmail.com
Daniel Conrado Castañeda	Mexico	dcastane@sct.gob.mx
Alexis Brathwaite	Trinidad and Tobago	abrathwaite@caa.gov.tt
Kent Ramnarace-Singh	Trinidad and Tobago	krsingh@caa.gov.tt
Randy Gomez	Trinidad and Tobago	rgomez@caa.gov.tt
Ricky Bissessar	Trinidad and Tobago	rbissessar@caa.gov.tt
Vidianand Maraj	Trinidad and Tobago	vmaraj@caa.gov.tt
Dan Eaves	United States	dan.eaves@faa.gov

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AIDC TASK FORCE WORK PROGRAMME

Description	Start	Finish	Status	Deliverable	Responible
1. AIDC Trials and Implementation	**28/10/2013**	**09/06/2014**			
1.1 Update Regional Plan	28/10/2013	15/05/2014	Ongoing	Updated Regional Plan	Rapporteur
1.2 Determine reference ICD	**28/10/2013**	**15/05/2014**			
1.2.1 Evaluate potential ICDs to adopt	28/10/2013	20/11/2013	Completed	Evaluation of ICDs	Cuba;United States
1.2.2 Draft Final recommendations for adoption of ICD Doc	21/11/2013	17/02/2014	Completed	Draft document of recommendation of adoption of ICD	Task Force
1.2.3 Approve reference ICD document	18/02/2014	18/02/2014	Completed	Approved reference ICD document	Task Force
1.2.4 Draft recommendations for modifications of reference ICD	18/02/2014	31/03/2014	Completed	Draft document of recommendations for modification of ICD	COCESNA;Dominican Republic;United States
1.2.5 Distribute recommendations	01/04/2014	01/04/2014	Completed		Rapporteur
1.2.6 Approve recommendations for modifications of ICD document	25/04/2014	25/04/2014	Completed	Approved recommendations for modifications (no modification submitted)	Task Force
1.2.7 Submit modification of ICD	28/04/2014	15/05/2014	Completed	Modification request (no modificatios submitted)	Task Force
1.3 Maintain and update ICD					
1.3.1 Create a template for the annexes to the LOAs with the details of the parameters and agreements pertaining the procedures under NAM ICD	01/03/2015	01/04/2015	Completed	Annex Template	United States
1.3.2 Include wording or mechanisms to give regional scope to the NAM ICD document	01/03/2015	01/04/2015	Valid	Updated NAM ICD	United States
1.4 Create testing and implementation procedures	**17/12/2013**	**06/06/2014**			
1.4.1 Suggest and comment recommendations for trials/implementation of AIDC	17/12/2013	17/02/2014	Completed	Collection of recommendations	Task Force
1.4.2 Draft implementation procedures	18/02/2014	23/05/2014	Completed	Draft document for testing and implementation procedures	Ad hoc Group
1.4.3 Distribute draft for comments	26/05/2014	26/05/2014	Completed		Rapporteur
1.4.4 Approve implementation procedures	27/05/2014	06/06/2014	Completed	Approved testing and implementation procedures	Task Force
1.5 Create test procedure guideline					
1.5.1 Draft a testing guideline	01/03/2015	27/03/2015	Valid	Draft test procedure guideline	COCESNA
1.5.2 Distribute draft for comments	27/03/2015	30/03/2015	Valid	-	Task Force Rapporteur
1.5.3 Submit comments to the testing guideline	30/03/2015	10/04/2015	Valid	Comments to the testing guideline	Task Force
1.5.4 Approve the testing guideline.	13/04/2015	15/04/2015	Valid	Approved testing guideline	Task Force

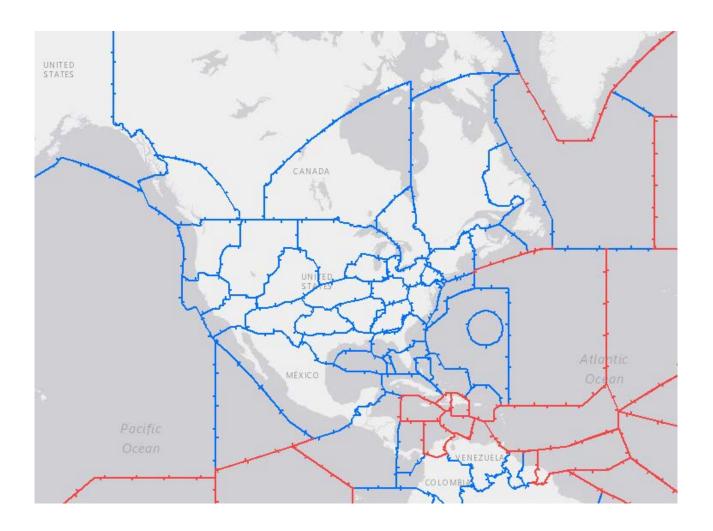| Description	Start	Finish	Status	Deliverable	Responible
1.6 Follow up on testing and implementation	**09/06/2014**	**09/06/2014**	**Ongoing**	**Test and implementation results documentation for each implementation.**	**Task Force**
2. Mitigation of FPL issues	**28/10/2013**	**28/04/2014**			
2.1 Formation of FPL monitoring group	**21/03/2014**	**25/04/2014**	**100%**		
2.1.1 Create initial membership list	21/03/2014	21/03/2014	Completed	Initial membership list	
2.1.2 Draft terms of reference	24/03/2014	11/04/2014	Completed	Draft document of terms of reference	Rapporteur
2.1.3 Distribute terms of reference	14/04/2014	14/04/2014	Completed		Rapporteur
2.1.4 Approve terms of reference	25/04/2014	25/04/2014	Completed	Approved terms of reference	Task Force
2.2 Create mitigation action plan	**28/10/2013**	**28/04/2014**			
2.2.1 Recollect results and lessons learned from FPL solutions carried out in E/CAR, CA and USA-Cuba	28/10/2013	23/01/2014	Completed	Collection of results and lessons learned	Ad hoc Group
2.2.2 Report evaluation and comments of statistics recollected	24/01/2014	18/02/2014	Completed	Evaluation document	Ad hoc Group
2.2.3 Draft action plan for mitigation/solution of issues	19/02/2014	11/04/2014	Completed	Draft document of action plan	Ad hoc Group
2.2.4 Distribute action plan	14/04/2014	14/04/2014	Completed		Rapporteur
2.2.5 Approve action plan	25/04/2014	25/04/2014	Completed	Approved action plan	Task Force
2.2.6 Follow up on action plan	28/04/2014	28/04/2014	Ongoing	Plan execution results documentation	FPL Monitoring Group
3. Set new goals for AIDC TF					
3.1 Evaluation of the state of AIDC implementation in the region (how many Class I and II implementations), due Jan 29th.	14/01/2016	29/01/2016	Completed	Implementation evaluation	Task Force
3.2 Hold a teleconference to discuss this evaluation, due Feb 5th.	05/02/2016	05/02/2016	Completed	Meeting minutes/conclusions	Task Force
3.3 Evaluate the benefits of Class III implementation, and project the implementation of Class II and III among FIRs in the region, due Feb. 15th	06/02/2016	15/02/2016	Completed	Implementation projection	Task Force
3.4 Set implementation goals for each Class, due Feb 26th.	16/02/2016	26/02/2016	Completed	Implementation goals	Task Force

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APPENDIX C

Updated Regional Plan

State/Organization	System	Point of contact	Network Bandwidth	Comments
Bahamas	-	-	-	-
Belize	-	-	-	-
Canada	CAATS GAATS+ (Gander Oceanic)	Troy Wilton Manager, ATM and ACC Automation (613) 248 6915 wiltont@navcanada.ca	-	-
COCESNA	INDRA Aircon 2100 Renovado	Luis Manuel Coello (luis.coello@cocesna.org) Jenny Lee (jenny.lee@cocesna.org)	N/A (the current AFTN circuit speed is 1.2 kbps internally and 9.6 kbps the internationals). COCESNA planned to change her AFTN network for a new AMHS network in September 2016	-
Costa Rica	No - FDP Server must upgrade – Q1 2017	Warren Quirós navegacionaerea.cns@dgac.go.cr +50622314924 Fernando Naranjo Elizondo fer_nar_eli@hotmail.com	1200 bps	AIDC may be implemented until the upgrade of El Coco Center
Cuba	yes - Oracle Version 9 modified by LITA-CUBA	Joao Vázquez Estrada,email: joao.vazquez@aeronav.avianet.cu	19200 BPS	We received many mistakes from the users in the FPL, in almost all fields. We have detected changes in the FPL forwarded by ACC´s or ANSP offices related to FPL´s presented by operators
Curacao	-	Jacques Lasten, ATS Manager, DC-ANSP, j.lasten@dc-ansp.org	AMHS: 64 Kbps	-
Dominican Republic	Yes TopSky-ATC, Thales ATM	Julio Cesar Mejia A. Enc. ATM, jmejia@idac.gov.do, 809 274-4322. Ext. 2103 + Fernando Casso, fernando.casso@idac.gov.do	AMHS: 64 Kbps	-
El Salvador	INDRA Aircon 2100 Renovado	Danilo Ramírez danilo.ramirez@cepa.gob.sv	9600 bps	-
Guatemala	INDRA Aircon 2100 Renovado	Sergio Raul Enrique senriquez@gmail.com David Ascoli davidascoli@gmail.com	9600 bps	-
Haiti	-	Nadia Leopold nleopold@hotmail.com	-	-
Jamaica	Thales Topsky Q4 2016	Carl Gaynair – Carl.gaynair@jcaa.gov.jm	64k	
Mexico	Yes- FDP=Topsky, Producer= THALES ATM, INFO= Four Control Centres, all Mexico covered	Oscar Vargas Antonio ovargasa@sct.gob.mx	19200 bps	Mexico already counts with the implementation of CPL/LAM information exchange between: MZT ≤ ≥ LAX, MZT ≤ ≥ ABQ, MTY ≤ ≥ABQ, MTY ≤ ≥HOU, MID ≤ ≥ HOU, MID ≤ ≥ HAB
Nicaragua	INDRA Aircon 2100 Renovado	Jorge Saballos jsaballos@eaai.com.ni	9600 bps	-
Trinidad and Tobago	SELEX ATM System	Veronica Ramdath vramdath@caa.gov.tt	64k	To begin testing 2016 Still no compatible interfaces between them
United States	Yes - Host Automation / En Route Automation Modernization(ERAM) systems. Lockheed-Martin (LMCO) is the prime contractor for the Host/ERAM system. Ocean21 provides its own FDP processing in the oceanic environment. LMCO is also the contractor for Ocean21.	Dan Eaves, Federal Aviation Administration Air Traffic Control Specialist, Dan.Eaves@FAA.gov, 202-385-8492	US- Mexico: NADIN/AFTN 64 kbps X.25 US- Cuba : MEVA III 19.2 kbps connection to NADIN	The domestic FDP is integrated into The Host Automation / En Route Automation Modernization (ERAM) systems.. The flight data function of The San Juan Combined Center / Radar Approach Control (CERAP) is integrated into The Miami Air Route Traffic Control Center (ARTCC) Host/ERAM.

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State or Organization	State/Org FIR	Adjacent FIR	Interface Class	Interface Status	Implementation Date	Bilateral Agreement or ICD
Bahamas	Nassau	Miami	N/A	Planned	TBD	NAM-ICD Version D
Canada	Edmonton	Anchorage	Class II	Operational		NAM-ICD Version D
Canada	Edmonton	Reykjavik	Class I	Operational		NAT ICD
Canada	Edmonton	Salt Lake City	Class II	Operational		NAM-ICD Version D
Canada	Edmonton	Seattle	Class II	Operational		NAM-ICD Version D
Canada	Gander	New York	Class II	Operational		NAT ICD
Canada	Gander	Prestwick	Class II	Operational		NAT ICD
Canada	Gander	Reykjavik	Class II	Operational		NAT ICD
Canada	Gander	Santa Maria	Class II	Operational		NAT ICD
Canada	Moncton	Boston	Class II	Operational		NAM-ICD Version D
Canada	Moncton	New York	Class II	Planned	TBD	TBD
Canada	Montreal	Boston	Class II	Operational		NAM-ICD Version D
Canada	Montreal	Cleveland	Class II	Operational		NAM-ICD Version D
Canada	Oakland	Vancouver	Class II	Operational		NAM-ICD Version D
Canada	Toronto	Boston	Class II	Operational		NAM-ICD Version D
Canada	Toronto	Cleveland	Class II	Operational		NAM-ICD Version D
Canada	Toronto	Minneapolis	Class II	Operational		NAM-ICD Version D
Canada	Vancouver	Salt Lake City	Class II	Operational		NAM-ICD Version D
Canada	Winnipeg	Minneapolis	Class II	Operational		NAM-ICD Version D
Canada	Winnipeg	Salt Lake City	Class II	Operational		NAM-ICD Version D
COCESNA	CENAMER	Belize	N/A	Planned	2017	PAC ICD
COCESNA	CENAMER	Bogota	N/A	Testing	December 2015	PAC ICD
COCESNA	CENAMER	Costa Rica	N/A	Planned	2017	PAC ICD
COCESNA	CENAMER	El Salvador	N/A	Testing	October 2015	PAC ICD
COCESNA	CENAMER	Guatemala	Class I	Testing	December 2015	PAC ICD
COCESNA	CENAMER	Guayaquil	N/A	Testing	January 2016	PAC ICD
COCESNA	CENAMER	Havana	Class I	Operational		NAM-ICD Version D
COCESNA	CENAMER	Kingston	N/A	Planned	TBD	
COCESNA	CENAMER	Merida	N/A	Testing	may-15	NAM-ICD Version D
COCESNA	CENAMER	Nicaragua	N/A	Operational	September 2015	PAC ICD
COCESNA	CENAMER	Panama	N/A	Testing	November 2015	PAC ICD
Costa Rica	San José	CENAMER	N/A	Planned	April 2017	NAM-ICD Version D
Costa Rica	San José	Nicaragua	N/A	Planned	April 2017	NAM-ICD Version D
Costa Rica	San José	Panama	N/A	Planned	April 2017	NAM-ICD Version D
Cuba	Havana	CENAMER	Class I	Operational	March/April 2015	NAM-ICD Version D
Cuba	Havana	Kingston	N/A	Planned	TBD	
Cuba	Havana	Merida	Class I	Operational	March 9, 2012	NAM-ICD Version D
Cuba	Havana	Miami	Class I	Operational	December 15, 2011	NAM-ICD Version D
Cuba	Havana	Port au Prince	N/A	Not planned	TBD	
Curacao	Curacao	Kingston	N/A	Planned		NAM-ICD Version D
Curacao	Curacao	Maiquetia	N/A	Planned		
Dominican Republic	Santo Domingo	Curacao	N/A	Planned	TBD	
Dominican Republic	Santo Domingo	Miami	Class II	Implementing	September 2016	NAM-ICD Version D
Dominican Republic	Santo Domingo	Port au Prince	N/A	Not planned	TBD	
El Salvador	El Salvador	Guatemala	N/A	Planned	jun-16	PAC ICD
El Salvador	El Salvador	Nicaragua	N/A	Planned	may-16	PAC ICD
Guatemala	Guatemala	Belize	N/A	Planned	jul-05	PAC ICD
Guatemala	Guatemala	El Salvador	N/A	Planned	jun-16	PAC ICD
Haiti	Port-au-Prince	Santo Domingo	N/A	Planned	TBD	NAM-ICD Version D
Mexico	Mazatlán	Albuquerque	Class I	Operational	2005	NAM-ICD Version D
Mexico	Mazatlán	Los Angeles	Class I	Operational	2005	NAM-ICD Version D
Mexico	Mazatlán	Monterrey	Class I	Operational	2005	NAM-ICD Version D
Mexico	Mazatlán	Oakland	N/A	Testing	March 2015	PAN ICD V.1
Mexico	Mérida	CENAMER	Class I	Testing	June 2015	NAM-ICD Version D
Mexico	Mérida	Havana	Class I	Operational	2011	NAM-ICD Version D
Mexico	Mérida	Houston	Class I	Operational	2005	NAM-ICD Version D
Mexico	México	Mazatlan	Class I	Operational	2005	NAM-ICD Version D
Mexico	México	Mérida	Class I	Operational	2005	NAM-ICD Version D
Mexico	México	Monterrey	Class I	Operational	2005	NAM-ICD Version D
Mexico	Monterrey	Albuquerque	Class I	Operational	2005	NAM-ICD Version D
Mexico	Monterrey	Houston	Class I	Operational	2005	NAM-ICD Version D
Mexico	Monterrey	Mérida	Class I	Operational	2005	NAM-ICD Version D
Nicaragua	Nicaragua	Costa Rica	N/A	Planned	2017	PAC ICD
Nicaragua	Nicaragua	El Salvador	N/A	Planned	may-16	PAC ICD
Trinidad and Tobago	PIARCO	French Guyanne	N/A	Planned	TBD	???
Trinidad and Tobago	PIARCO	Maiquetia	N/A	Planned	TBD	
Trinidad and Tobago	PIARCO	New York	N/A	Planned	TBD	PAN ICD
Trinidad and Tobago	PIARCO	SAL	N/A	Planned	TBD	NAM-ICD Version D
Trinidad and Tobago	PIARCO	San Juan/Miami	N/A	Planned	TBD	NAM-ICD Version D
United States	Albuquerque	Monterrey	Class I	Operational		NAM-ICD Version D
United States	Anchorage	Edmonton	Class II	Operational		NAM-ICD Version D
United States	Anchorage	Vancouver	Class II	Operational		NAM-ICD Version D
United States	Boston	Moncton	Class II	Operational		NAM-ICD Version D
United States	Boston	Montreal	Class II	Operational		NAM-ICD Version D
United States	Cleveland	Toronto	Class II	Operational		NAM-ICD Version D
United States	Houston	Merida	Class I	Operational		NAM-ICD Version D
United States	Houston	Monterrey	Class I	Operational		NAM-ICD Version D
United States	Los Angeles	Mazatlan	Class I	Operational		NAM-ICD Version D
United States	Miami	Havana	Class II	Planned	Q4 2015	NAM-ICD Version D
United States	Miami	Havana	Class I	Operational		NAM-ICD Version D
United States	Miami	Nassau	N/A	Planned	TBD	NAM-ICD Version D
United States	Miami	Santo Domingo	Class I	Planned	September 2016	NAM-ICD Version D
United States	Minneapolis	Toronto	Class II	Operational		NAM-ICD Version D
United States	Minneapolis	Winnipeg	Class II	Operational		NAM-ICD Version D
United States	Oakland	Mazatlán	N/A	Operational		PAN ICD V.1
United States	Oakland	Vancouver	Class II	Operational		NAM-ICD Version D
United States	Salt Lake City	Edmonton	Class II	Operational		NAM-ICD Version D
United States	Salt Lake City	Winnipeg	Class II	Operational		NAM-ICD Version D
United States	San Juan	Santo Domingo	Class I	Planned	September 2016	NAM-ICD Version D
United States	Seattle	Vancouver	Class II	Operational		NAM-ICD Version D

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APPENDIX D

APPENDIX E

FLIGHT PLAN (FPL) MONITORING GROUP MEMBERSHIP

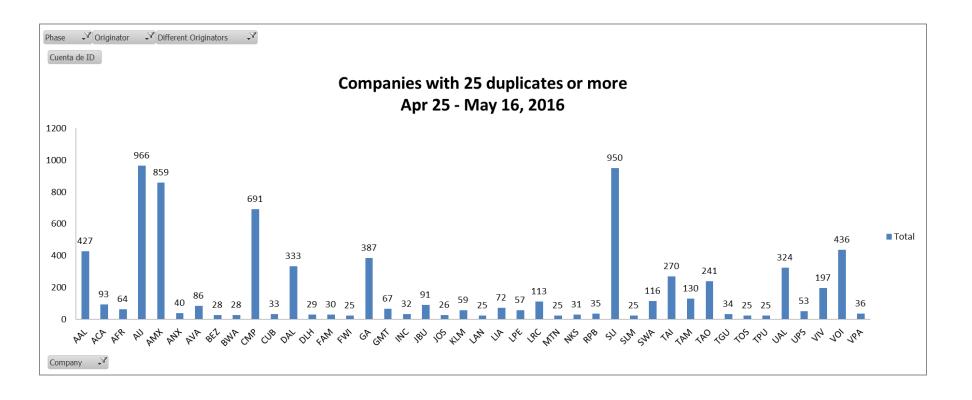| Member Name	State/Territory/ International Organization	Email
Lorraine Davis	Antigua and Barbuda	sivad81@hotmail.com
Gilberto Torres	Belice	gilberto.torres@civilaviation.gov.bz
Fernando Naranjo Elizondo Luis Miranda Muñoz Asdrúbal Sanders Warren Quirós	Costa Rica	fer_nar_eli@hotmail.com; lmiranda@dgac.go.cr; asanders@dgac.go.cr; navegacionaerea.cns@dgac.go.cr
Jorge Centella Susana Orta	Cuba	jorge.centella@iacc.avianet.cu susana.orta@cacsa.avianet.cu
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Ernso Edmond	Haiti	ernsoedmond15@gmail.com
Maxine Allen	Jamaica	maxine.Allen@jcaa.gov.jm
Jose Gil Jimenez (main) Margarita Rangel (support) Daniel Conrado Castañeda Oscar Vargas Antonio	Mexico	jigiljim@sct.gob.mx mrangel@sct.gob.mx dcastane@sct.gob.mx ovargasa@sct.gob.mx
Fernando Casso (Rapporteur) Orlando Concepción	Dominican Republic	fernando.casso@idac.gov.do orlando.concepcion@idac.gov.do
Ricky Bissessar	Trinidad and Tobago	rbissessar@caa.gov.tt
Alejandro Romero (main) Esthela Rojas (support) Jenny Lee	COCESNA	alejandro.romero@cocesna.org esthela.rojas@cocesna.org jenny.lee@cocesna.org Manuel.flores@cocesna.org
Marco Vidal	IATA	vidalm@iata.org

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APPENDIX F

FPL MONITORING GROUP ACTION PLAN

Item	Task	Start date	End date	Status
1	**FPL MON GROUP - Phase 1**	**09-05-2014**	**31-10-2014**	
1.1	**Create a common format for data collection**	**16-05-2014**	**13-06-2014**	
1.1.1	Send draft	16-05-2014	16-05-2014	Completed
1.1.2	Suggest changes to draft document	19-05-2014	30-05-2014	Completed
1.1.3	Approve format/document	06-06-2014	13-06-2014	Completed
1.2	1st teleconf FPL Mon Group	09-07-2014	09-07-2014	Completed
1.3	**Collection of Data**	**10-07-2014**	**22-08-2014**	
1.3.1	Review and familiarization with Format	10-07-2014	18-07-2014	Completed
1.3.2	Collection of 1st week and feedback to Group	21-07-2014	25-07-2014	Completed
1.3.3	Continue data collection	28-07-2014	22-08-2014	Completed
1.3.4	Collecting Information for completing Questionnaire on Alternative aerodrome	21-07-2014	22-08-2014	Superseded
1.4	Obtain additional information: CANSO, etc	09-05-2014	25-07-2014	Completed
1.5	Analyze the Data collected and identify sources of Errors	25-08-2014	05-11-2014	Completed
1.6	Develop actions items for Resolving/mitigating Errors Detected	05-11-2014	05-11-2014	Completed
1.7	2nd Teleconf FPL Mon Group	05-09-2014	05-09-2014	Completed
1.8	Definition and follow-up to Action Plan	24-02-2015	27-02-2015	Completed
2	**Evaluation - Phase II - collection of data (TBD)**	**26-02-2015**	**13-05-2015**	**Completed**
2.1	Obtain and distribute the AFTN address list of FIRs	26-02-2015	15-03-2015	Completed
2.2	Teleconference for coordination	09-03-2015	09-03-2015	Completed
2.3	Data Collection	16-03-2015	10-04-2015	Completed
2.4	Teleconference, week 1 of data collection	23-03-2015	23-03-2015	Completed
2.5	Data Collection analysis	13-04-2015	01-05-2015	Completed
2.6	Post-analysis teleconference	06-05-2015	06-05-2015	Completed
2.7	Phase II data collection report	07-05-2015	13-05-2015	Completed
2.8	Prepare working paper for ANI/WG meeting	14-05-2015	22-05-2015	Completed
3	**Annual goal for 2016**	**13-04-2016**	**25-09-2016**	**Valid**
3.1	Teleconference to discuss ANI/WG/3 and upcoming data collection (for follow up on goal)	13-04-2016	13-04-2016	Completed
3.2	1st data collection, analysis and teleconference	24-04-2016	15-05-2016	Completed
3.3	Teleconference to discuss upcoming data collection	25-08-2016	25-08-2016	Completed
3.4	2nd data collection, analysis and teleconference.	05-09-2016	25-09-2016	Postponed for 2017
4	**Virtual meetings with airlines and ANSPs**			
4.1	COPA / Panama	11-10-2016	11-10-2016	Completed
4.2	American Airlines	TBD	TBD	Valid
5	**Goal for 2017**			

— F2 —

Item	Task	Start date	End date	Status
5.1	Data collection	10-04-2017	30-04-2017	Valid
5.2	Analysis	01-05-2017	14-05-2017	Valid
5.3	Teleconference	TBD	TBD	Valid
5.4	Face to face meeting to increase member state AIDC and FPL knowledge shareing and improve cooperation in solving common issues	TBD	TBD	Valid

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MAIN CONTRIBUTORS TO FLIGHT PLAN ERRORS

Companies with 25 duplicates or more
Apr 25 - May 16, 2016

APPENDIX H

**FPL2012 POST IMPLEMENTATION CHECKLIST AND
FOLLOW-UP TO FPL2012 FULL COMPLIANCE ACTIVITIES**

State	Solution	
	AFTN Terminal – FPL	ATC Automated System – FDP
Anguilla	Implemented	Manual
Antigua and Barbuda	Implemented	Manual
Aruba	Implemented	Implemented
Bahamas	Implemented	Implemented
Barbados	Implemented	Implemented
Belize	Implemented	Full upgrade planned (converter in use)
Bermuda	Implemented	Manual
British Virgin Islands	Implemented	Manual
Canada	Implemented	Implemented
Cayman Islands	Implemented	Implemented
Costa Rica	Implemented	Full upgrade planned (converter in use)
Cuba	Implemented	Implemented
Curacao	Implemented	Implemented
Dominica	Implemented	Manual
Dominican Republic	Implemented	Implemented
El Salvador	Implemented	Implemented
Grenada	Implemented	Implemented
Guatemala	Implemented	Implemented
French Antilles	Implemented	Implemented
Haiti	Manual	Manual
Honduras	Implemented	Full upgrade planned (converter in use)
Jamaica	Implemented	Full upgrade planned (converter in use)
Mexico	Implemented	Implemented
Montserrat	Implemented	Manual
Netherlands (BES Islands)	Manual	Manual
Nicaragua	Implemented	Implemented
Saint Kitts and Nevis	Implemented	Manual
Saint Lucia	Implemented	Manual
Saint Vincent and the Grenadines	Implemented	Manual
Sint Maarten	Implemented	Implemented
Trinidad and Tobago	Implemented	Implemented
Turks and Caicos Islands	Implemented	Implemented
United States	Implemented	Implemented
COCESNA	Implemented	Implemented

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