Virtual Meeting COM AMHS/2

(Teleconference, 25 – 27 May 2021)

Second (Virtual) Workshop/Meeting of the Supervisors/Operators of COM AMHS Centers of the SAM Region

Virtual Meeting COM AMHS/1

(Teleconference, 25 – 27 May 2021)

Tentative Schedule y Provisional Agenda

TENTATIVE SCHEDULE

HOUR	Tuesday 25 May 2021	HOUR	Wednesday 26 May 2021	HOUR	Thursday 27 May 2021
08:45 09:00	Registration of participants	08:45 09:15	Agenda Item 2	08:45 09:15	Agenda Item 4
09:00 09:15	Opening				
09:15 10:00	Agenda Items 1 & 2	09:15 10:00	Agenda Item 2	09:15 10:00	Agenda Item 4
10:00 10:10	***Breake***	10:00 10:10	***Break***	10:00 10:10	***Break***
10:10 11:10	Agenda Item 2	10:10 11:10	Agenda Item 3	10:10 11:10	Agenda Item 5
11:10 12:10	***Lunch Break***	11:10 12:10	Lunch Break	11:10 12:10	***Lunch Break***
12:10 13:00	Agenda Item 2	12:10 13:00	Agenda Item 3	12:10 13:00	Agenda Item 5
13:00 13:10	***Break***	13:00 13:10	***Break***	13:00 13:10	***Break***
13:10 14:00	Agenda Item 2	13:10 14:00	Agenda Item 3	13:10 13:20	Closing Session

RLA/06/901 REGIONAL PROJECT

SECOND WORKSHOP/MEETING OF SUPERVISORS/OPERATORS OF COM AMHS CENTERS OF THE SAM REGION (COM AMHS/2)

(Teleconferences, May 25 to 27 2021)

PROVISIONAL AGENDA

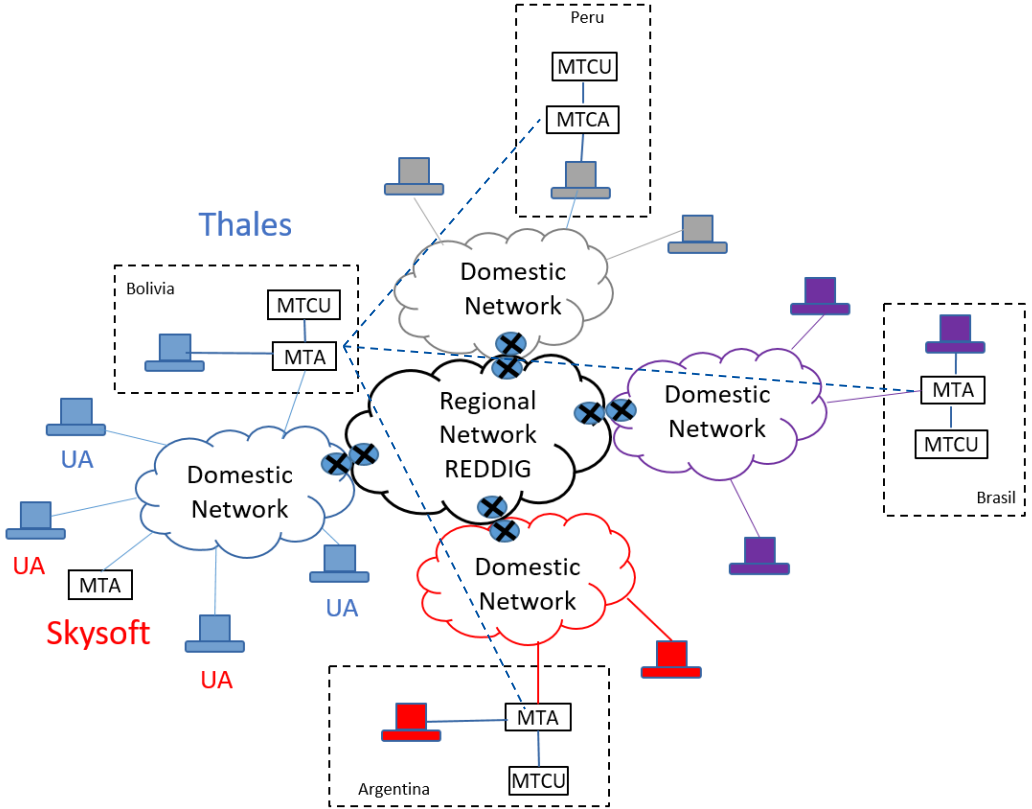
Agenda Item 1:	Adoption of the agenda and schedule of the meeting
Agenda Item 2:	Presentation of contingency plans for message service prepared by SAM Region States
Agenda Item 3:	Review of routing and exchange tables of updated information on AMHS addresses attributed in each State
Agenda Item 4: (AMC)	Updating information at EUROCONTROL's AMHS Address Management Centre
Agenda Item 5:	Other issues

Virtual Meeting COM AMHS/1

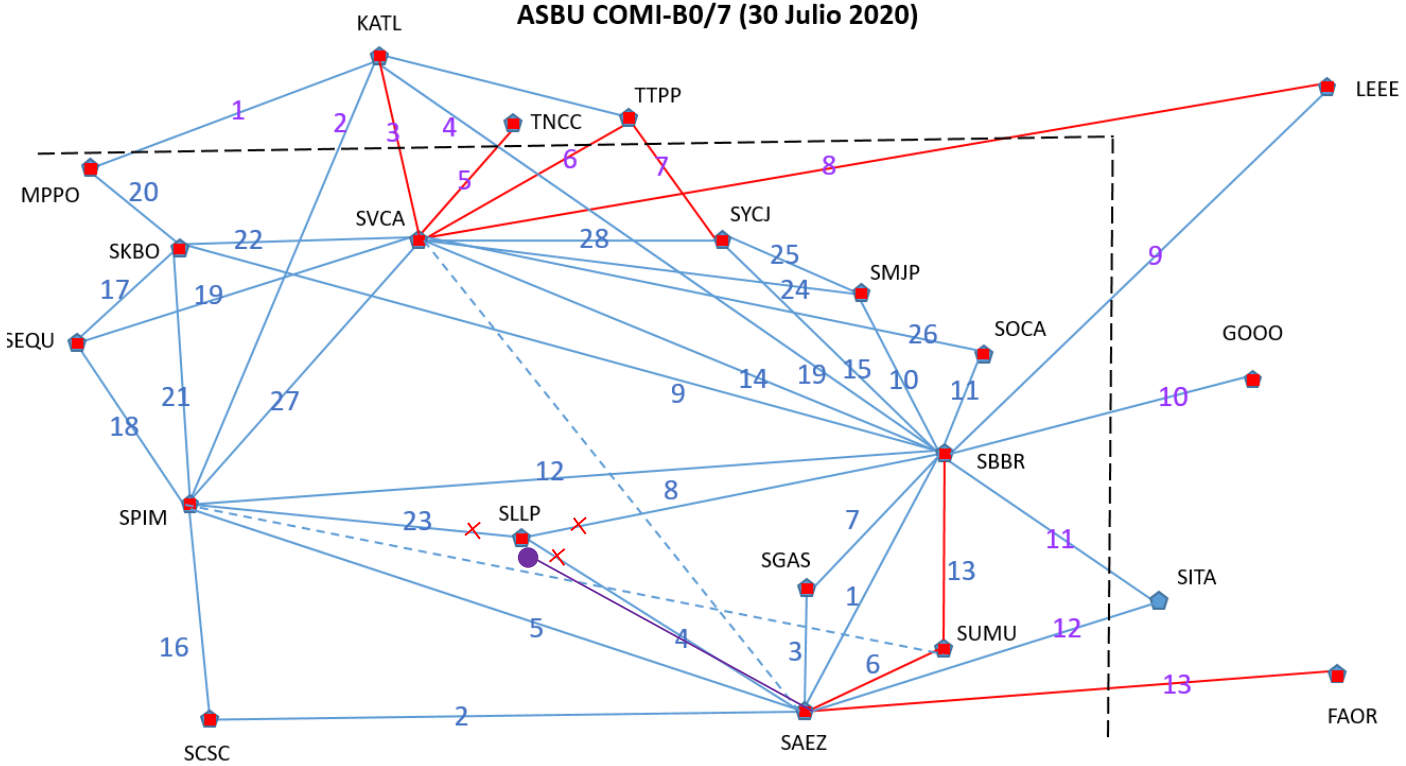
(Teleconference, 23 – 25 Sep 2020)

Agenda Item 2

Presentation of Contingency Plans for Message Service


Peru
MTCU
MTCA
Thales
Bolivia
MTCU
MTA
Domestic Network
Regional Network REDDIG
Domestic Network
MTA
MTCU
Brasil
UA
Domestic Network
UA
MTA
Skysoft
UA
UA
Domestic Network
MTA
MTCU
Argentina

AMHS Interconnections / Interconexiones AMHS
ASBU COMI-B0/7 (30 Julio 2020)



Virtual Meeting COM AMHS/1

(Teleconference, 23 – 25 Sep 2020)

Agenda Item 3
Routing Tables

AMC

View Operational Data

- Network Inventory
- Routing Directory
- Address Management
- User Capabilities Management
- Statistics
- Static Report
- COM Charts

Miscellaneous Functions

- Support Functions
- View Bulletin Board
- View AIRAC Cycle
- AMC Operator Details
- Documentation Part of AMRD
- Path Function
- Convert AFTN Address
- AFTN Country Code and AMHS PRMD
- View ANP Locations
- Regions
- Send E-Mail to User Groups
- Archived Data

AMHS MD Contacts

- Persons and Contacts

ATS Messaging Management

Routing Directory

Operational Area [HELP]

AFTN Routing Table | CIDIN Routing Table | AMHS Routing Table

Region or Country	COM Centre	Location	Country		AFTN Matrix	
SAM	SOCA	CAYENNE-FELIX-EBOUE	Guyane Francaise	HOME	OPER.214	SEARCH

MD Common Name	Country-Name	ADMD-Name	PRMD-Name	
FRENCH GUIANA	XX	ICAO	FRENCH GUIANA	EXTENDED

Destination	Existing Main	MTCU	Existing Altn	MTCU	Planned Main	MTCU	Planned Altn	MTCU
A		[X]		[ ]		[ ]		[ ]
B		[X]		[ ]		[ ]		[ ]
C		[X]		[ ]		[ ]		[ ]
D		[X]		[ ]		[ ]		[ ]
E		[X]		[ ]		[ ]		[ ]
F		[X]		[ ]		[ ]		[ ]
G		[X]		[ ]		[ ]		[ ]
H		[X]		[ ]		[ ]		[ ]
K		[X]		[ ]		[ ]		[ ]
L		[X]		[ ]		[ ]		[ ]
M		[X]		[ ]		[ ]		[ ]
MB		[X]		[ ]		[ ]		[ ]
MD		[X]		[ ]		[ ]		[ ]
MG		[X]		[ ]		[ ]		[ ]
MH		[X]		[ ]		[ ]		[ ]
MK		[X]		[ ]		[ ]		[ ]
MM		[X]		[ ]		[ ]		[ ]

REPORT EXPORT

AMC

View Operational Data

- Network Inventory
- Routing Directory
- Address Management
- User Capabilities Management
- Statistics
- Static Report
- COM Charts

Miscellaneous Functions

- Support Functions
- View Bulletin Board
- View AIRAC Cycle
- AMC Operator Details
- Documentation Part of AMRD
- Path Function
- Convert AFTN Address
- AFTN Country Code and AMHS PRMD
- View ANP Locations
- Regions
- Send E-Mail to User Groups
- Archived Data

AMHS MD Contacts

- Persons and Contacts

ATS Messaging Management

Routing Directory

Operational Area [HELP]

AFTN Routing Table | CIDIN Routing Table | AMHS Routing Table

Region or Country	COM Centre	Location	Country		AMHS Matrix	
SAM	SOCA	CAYENNE-FELIX-EBOUE	Guyane Francaise	HOME	OPER.214	SEARCH

MD Common Name	Country-Name	ADMD-Name	PRMD-Name	
FRENCH GUIANA	XX	ICAO	FRENCH GUIANA	EXTENDED

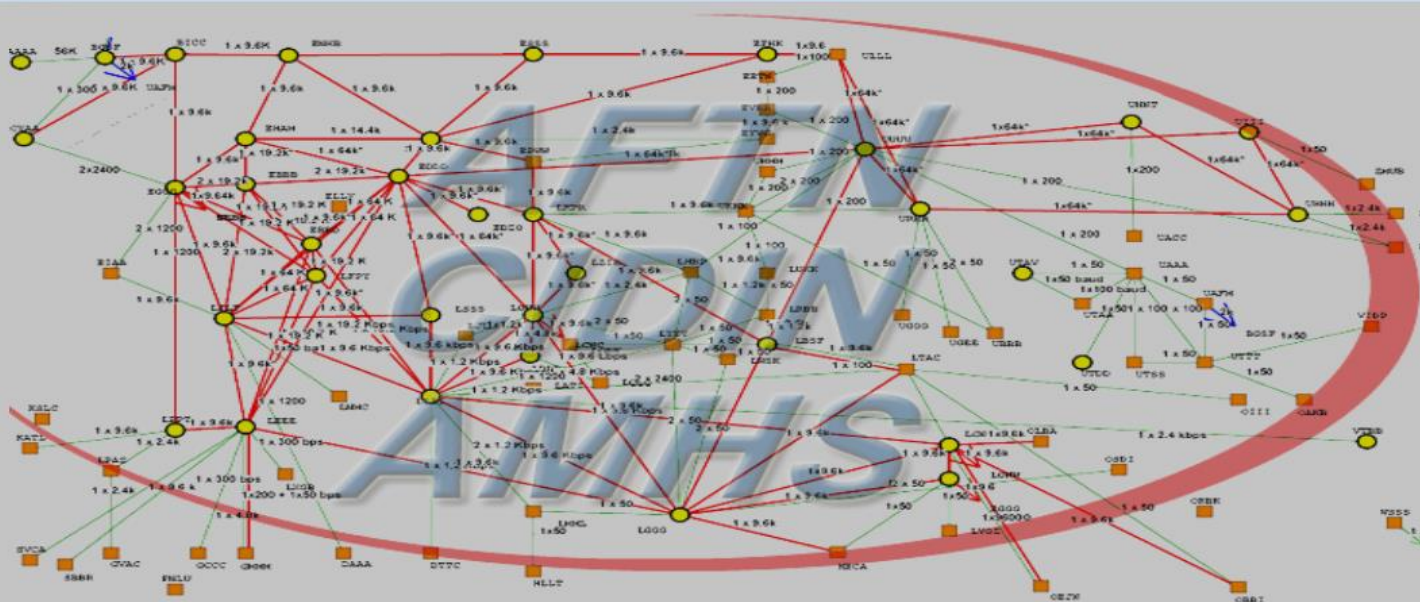
Destination				Existing Main		Existing Alternate		Planned Main		Planned Alternate		
C	ADMD	PRMD	O	COM	M	COM	M	COM	M	COM	M	Comments
XX	ICAO	AG		SBBR	[ ]	(SVCA)	[ ]		[ ]		[ ]	APAC (AG)
XX	ICAO	AN		SBBR	[ ]	(SVCA)	[ ]		[ ]		[ ]	APAC (AN)
XX	ICAO	ANSA BH		SBBR	[ ]	(SVCA)	[ ]		[ ]		[ ]	EUR/NAT (LQ)
XX	ICAO	AUSTRALIA		SBBR	[ ]	(SVCA)	[ ]		[ ]		[ ]	APAC (Y)
XX	ICAO	AUSTRIA		SBBR	[ ]	(SVCA)	[ ]		[ ]		[ ]	EUR/NAT (LO)
XX	ICAO	AY		SBBR	[ ]	(SVCA)	[ ]		[ ]		[ ]	APAC (AY)
XX	ICAO	BANGLADESH		SBBR	[ ]	(SVCA)	[ ]		[ ]		[ ]	APAC (VG)
XX	ICAO	BELGIUM		SBBR	[ ]	(SVCA)	[ ]		[ ]		[ ]	EUR/NAT (EB)
XX	ICAO	BHUTAN		SBBR	[ ]	(SVCA)	[ ]		[ ]		[ ]	APAC (VQ)
XX	ICAO	BKPR		SBBR	[ ]	(SVCA)	[ ]		[ ]		[ ]	EUR/NAT (BK)
XX	ICAO	BOLIVIA		SBBR	[ ]	(SVCA)	[ ]		[ ]		[ ]	SAM (SL)
XX	ICAO	C		SBBR	[ ]	(SVCA)	[ ]		[ ]		[ ]	NAM (C)
XX	ICAO	CAMBODIA		SBBR	[ ]	(SVCA)	[ ]		[ ]		[ ]	APAC (VD)
XX	ICAO	CHINA		SBBR	[ ]	(SVCA)	[ ]		[ ]		[ ]	APAC (Z)

REPORT EXPORT

Virtual Meeting COM AMHS/1

(Teleconference, 23 – 25 Sep 2020)

Agenda Item 4
Updating the information in AMC



Welcome : ALMEIDA DA SILVA Francisco
You last logged in on : 21/09/2020 at 16:49 UTC
Bulletin Board last updated on : 18/09/2020

Current day in the AIRAC cycle : 11
AMC phase : Data Validation and Processing Phase
There are currently 246 COM Centre(s) locked

18th September 2020

OPER.215 Day 8

Dear Colleagues,

All Comm Centres have been locked for the AMC to prepare Routing Matrix OPER.215.

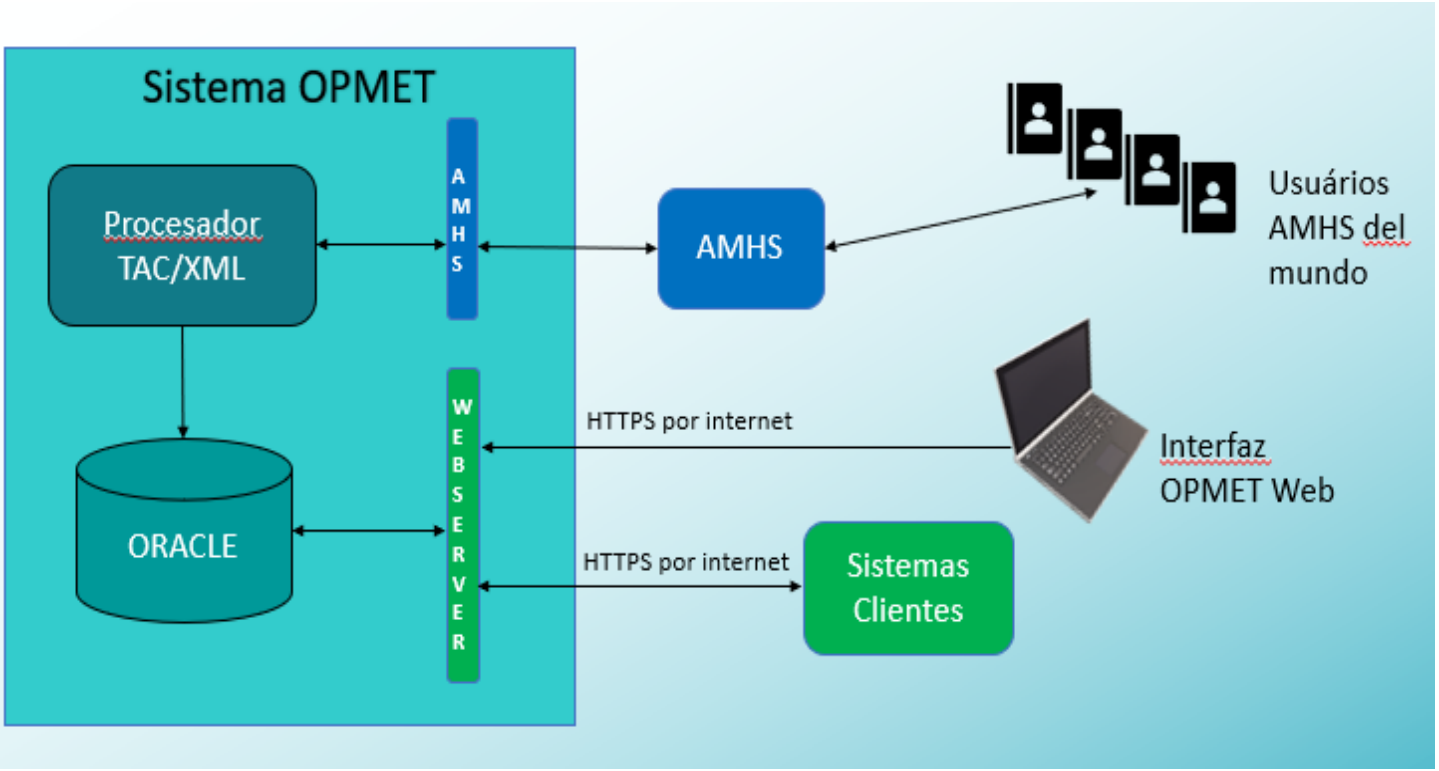
Best regards,

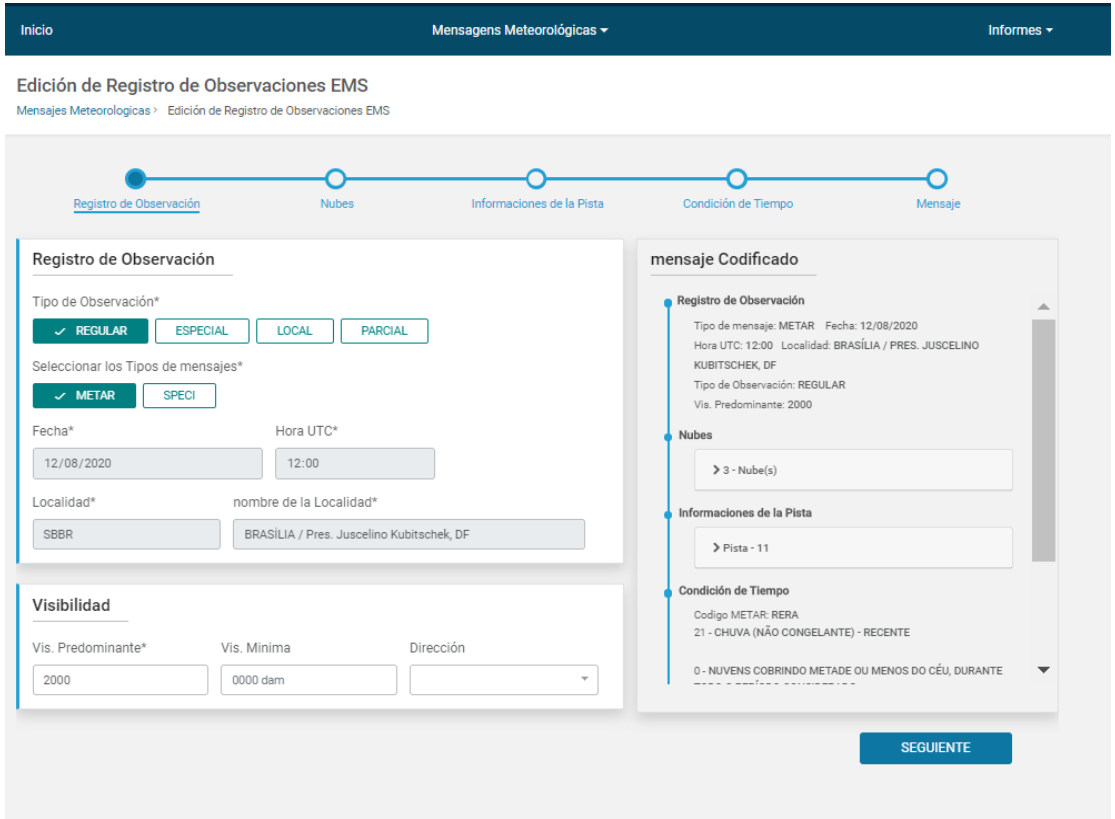
AMC Team

Virtual Meeting COM AMHS/1

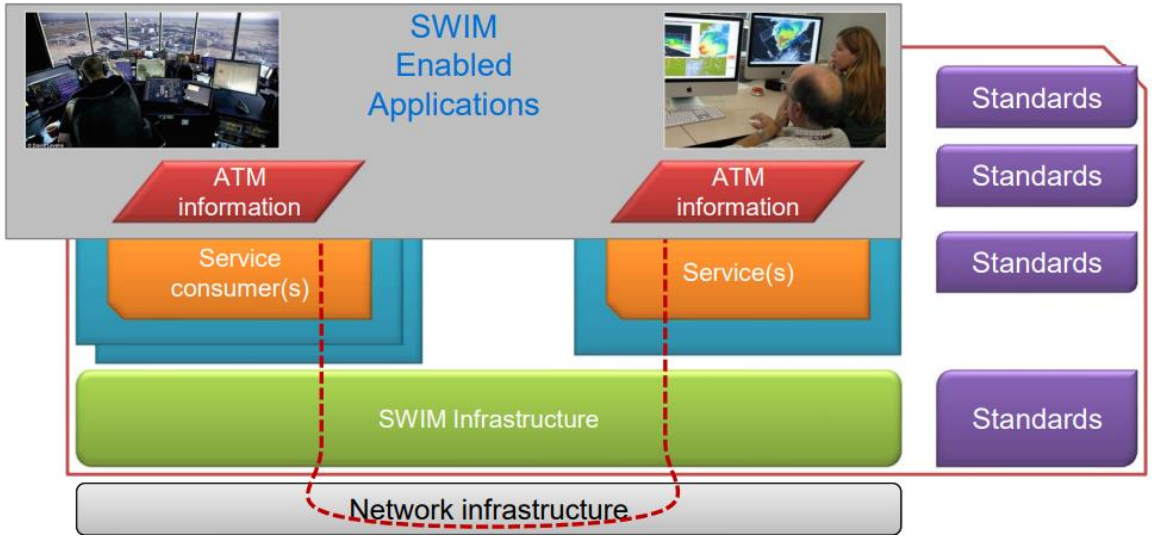
(Teleconference, 23 – 25 Sep 2020)

Agenda Item 5
Other subjects


Sistema OPMET
Procesador TAC/XML
AMHS
ORACLE
WEBSERVER
AMHS
Usuários AMHS del mundo
HTTPS por internet
Interfaz OPMET Web
HTTPS por internet
Sistemas Clientes

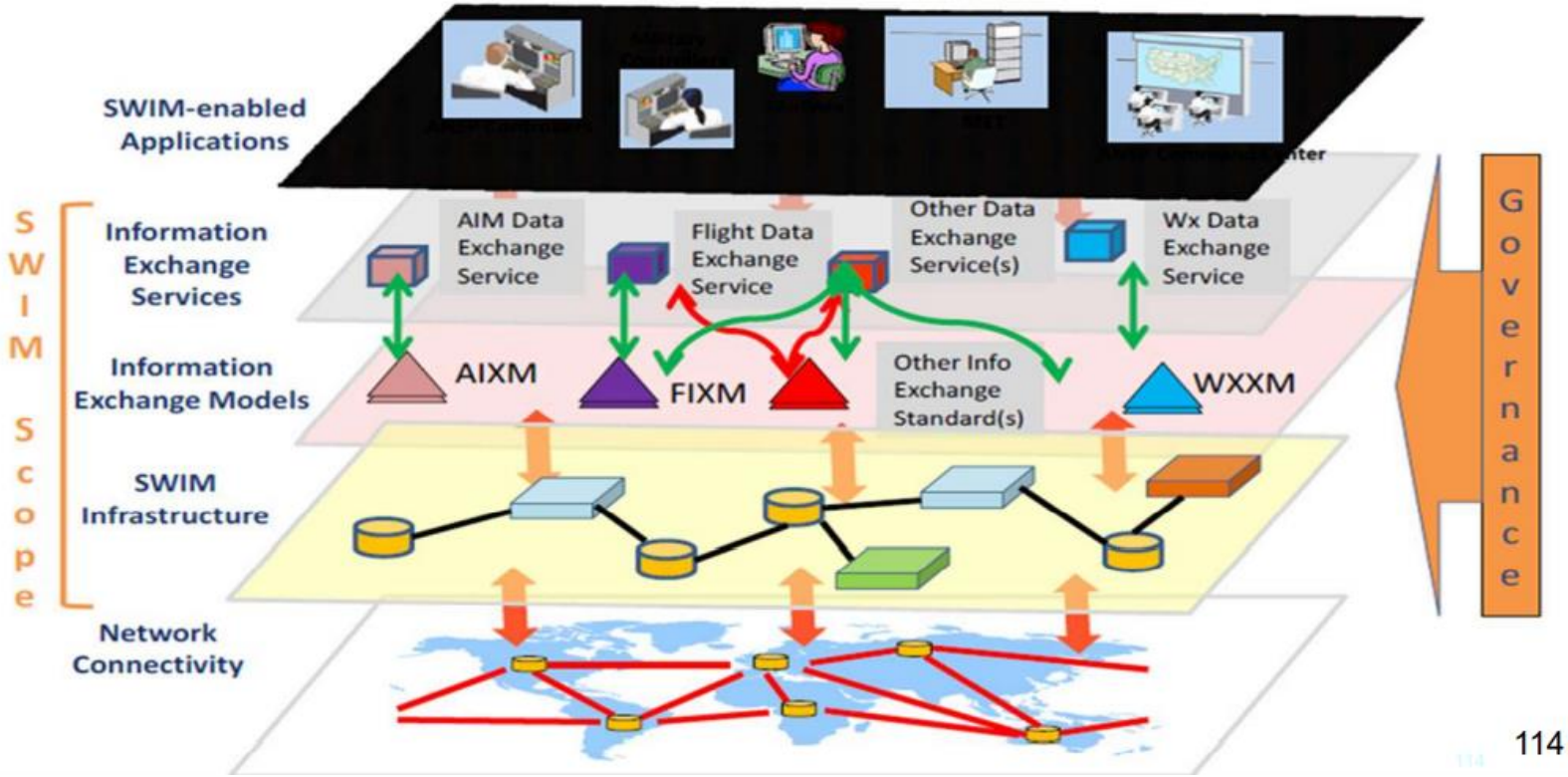

Inicio
Mensagens Meteorológicas
Informes
Edición de Registro de Observaciones EMS
Mensajes Meteorologicas › Edición de Registro de Observaciones EMS
Registro de Observación
Nubes
Informaciones de la Pista
Condición de Tiempo
Mensaje
Registro de Observación
Tipo de Observación*
REGULAR
ESPECIAL
LOCAL
PARCIAL
Seleccionar los Tipos de mensajes*
METAR
SPECI
Fecha*
12/08/2020
Hora UTC*
12:00
Localidad*
SBBR
nombre de la Localidad*
BRASÍLIA / Pres. Juscelino Kubitschek, DF
Visibilidad
Vis. Predominante*
2000
Vis. Minima
0000 dam
Dirección
mensaje Codificado
Registro de Observación
Tipo de mensaje: METAR Fecha: 12/08/2020
Hora UTC: 12:00 Localidad: BRASÍLIA / PRES. JUSCELINO KUBITSCHEK, DF
Tipo de Observación: REGULAR
Vis. Predominante: 2000
Nubes
3 - Nube(s)
Informaciones de la Pista
Pista - 11
Condición de Tiempo
Codigo METAR: RERA
21 - CHUVA (NÃO CONGELANTE) - RECENTE
0 - NUVENS COBRINDO METADE OU MENOS DO CÉU, DURANTE
SEGUIENTE

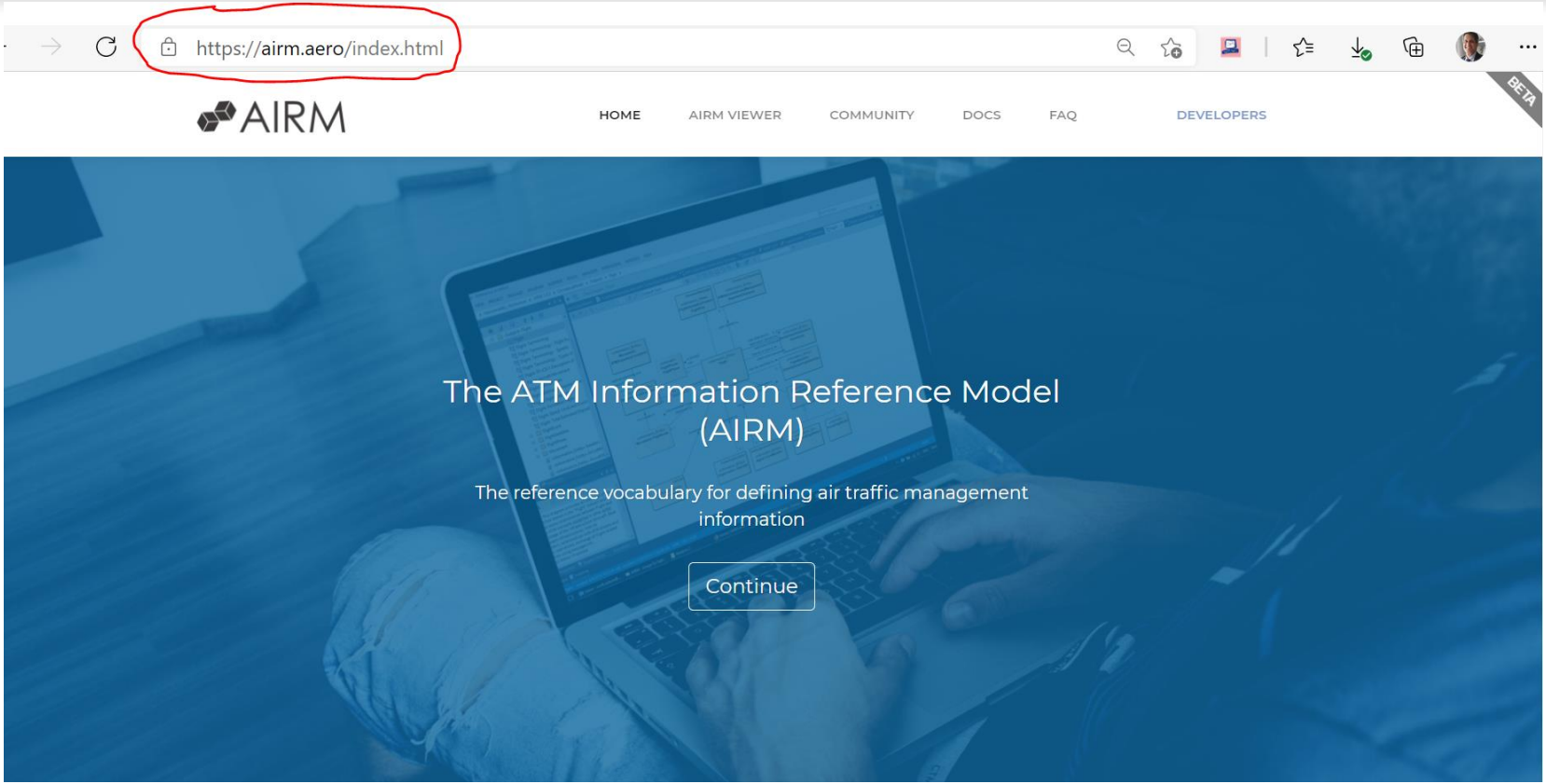

https://amhsbr.decea.mil.br/taweb/loginPage
DECEA
Departamento
de Controle do
Espaço Aéreo
AMHS WEB
User
orcns1
Password
Login



SWIM consists of standards, infrastructure and governance enabling the management of ATM information and its exchange between qualified parties via interoperable services.

SWIM infrastructure is a set of software components distributed across a network infrastructure that enables interoperability between ATM (civil and military) systems including aircraft.
It provides connected systems with the technical means to support application services in **invoking** information services and non-functional services.
All of these services are interoperable by using standard technologies and a common data representation.


SWIM-enabled Applications
SWIM Scope
Information Exchange Services
Information Exchange Models
SWIM Infrastructure
Network Connectivity
AIM Data Exchange Service
Flight Data Exchange Service
Other Data Exchange Service(s)
Wx Data Exchange Service
AIXM
FIXM
Other Info Exchange Standard(s)
WXXM
Governance


https://airm.aero/index.html
AIRM
HOME
AIRM VIEWER
COMMUNITY
DOCS
FAQ
DEVELOPERS
BETA
The ATM Information Reference Model (AIRM)
The reference vocabulary for defining air traffic management information
Continue

The **information exchanged** between interested parties must be **defined** so that it can be used correctly by **consumers** and **producers**.

AIRM (ATM Information Reference Model) is a common reference that helps ensure harmonization of **ATM information models**, reducing costs in sharing information in different environments.

XML is a **markup language** created by the World Wide Web Consortium (W3C) to define a **syntax** for encoding documents that both humans and machines could read. It does this through the use of tags that define the structure of the document, as well as how the document should be stored and transported.

It's probably easier to compare it to another markup language that you may be familiar with: the **Markup Language Hypertext (HTML)** used to **encode web pages**.

Modelos de Intercambio de Información AIRM

AIRM & Information Exchange Models …

FIXM ➔ Flight Information Exchange Model (exchange model capturing Flight and Flow information that is globally standardised)

AIXM ➔ Exchange model capturing Aeronautical information for the provision in digital format of the AIS information

IWXXM ➔ Exchange model capturing Meteorological information to support the exchange of meteorological information

AMXM ➔ AMXM is provided in support of Aerodrome Mapping Database (AMDB) data exchange.

AIRM Information Exchange Models

https://www.aixm.aero/ → AIXM

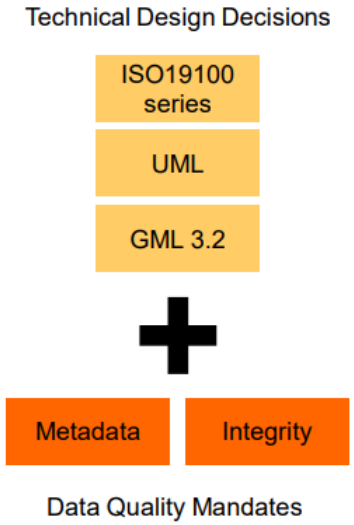
https://www.fixm.aero/ → FIXM

https://old.wmo.int/wiswiki/ → IWXXM

ISO 19136 Geography Markup Language (GML)

AIXM5 design decisions are based on the adoption of a number of international standards: :

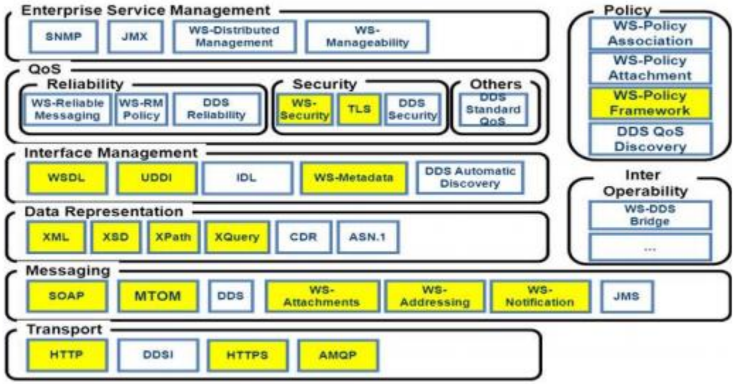
- Use **GML** (Geography Markup Language) for encoding geographical information – position, areas, routes, etc.
- Use the **ISO19100** series of geospatial information standards as data modeling framework. This would maximize the chances of cross-domain interoperability.
- Use **UML** (Unified Modeling Language) for developing **AIXM 5 Conceptual Model**.
- exhaustive **metadata** incorporation into the model has been identified.

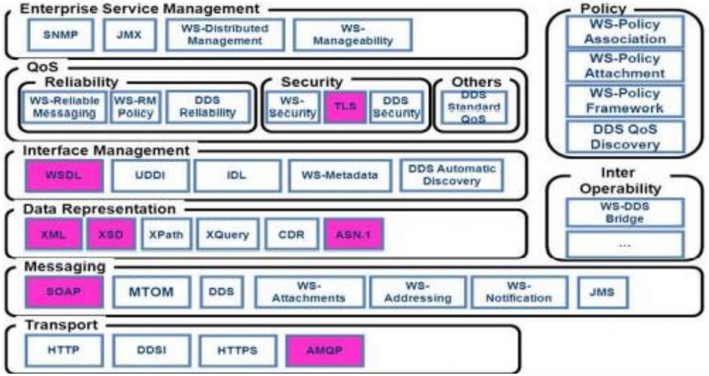


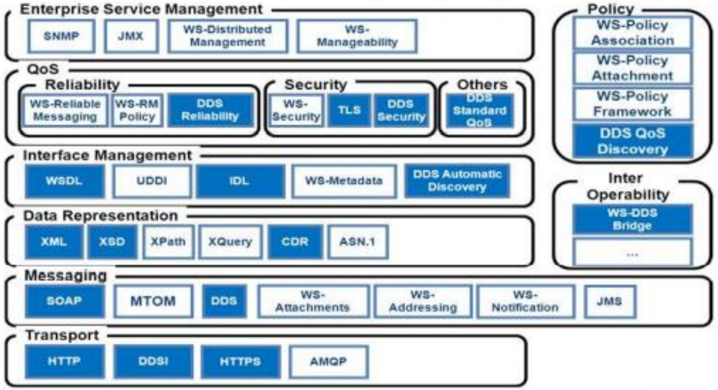
SESAR SWIM PROFILES

Reduce complexity with technical profiles tailored for specific usage:

- Yellow profile for non critical information (AIM, Weather, …)
- **Blue profile** for critical information (Flight Object)
- **Purple profile** to accommodate air-ground
- **Green profile** for military








North American Central American and Caribbean (NACC) Office Mexico City
South American (SAM) Office Lima
ICAO Headquarters Montréal
Western and Central African (WACAF) Office Dakar
European and North Atlantic (EUR/NAT) Office Paris
Middle East (MID) Office Cairo
Eastern and Southern African (ESAF) Office Nairobi
Asia and Pacific (APAC) Sub-office Beijing
Asia and Pacific (APAC) Office Bangkok
THANKS