



Virtual Meeting COM AMHS/1 (Teleconference, 23 – 25 Sep 2020)

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





Virtual Meeting COM AMHS/1 (Teleconference, 23 – 25 Sep 2020)

Tentative Agenda





**FIRST (VIRTUAL) WORKSHOP/MEETING OF THE SUPERVISORS/OPERATORS
OF COM AMHS CENTERS OF THE SAM REGION (COM AMHS/1)**
(Teleconference, 23 – 25 September 2020)

TENTATIVE SCHEDULE

HOUR	Wednesday 23 September 2020	HOUR	Thursday 24 September 2020	HOUR	Friday 25 September 2020
08:45 09:00	Register of participants	08:45 10:00	Agenda Item 2	08:45 10:00	Agenda Item 4
09:00 09:15	Opening				
09:15 10:00	Agenda Items 1 & 2				
10:00 10:10	Break	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 4
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	Intervalo	13:00 13:10	Intervalo	13:00 13:10	Intervalo
13:10 14:00	Agenda Item 2	13:10 14:00	Agenda Item 3	13:10 13:20	Closing Session



**FIRST WORKSHOP/MEETING OF THE SUPERVISORS/OPERATORS OF COM
AMHS CENTERS OF THE SAM REGION (COM AMHS/1)**
(Teleconference, 23 – 25 September 2020)

TENTATIVE AGENDA

Agenda

Item 1: Approval of the agenda and meeting schedule

Agenda

Item 2: Definition of the SAM Region Contingency Plan for the message service

Agenda

Item 3: Review of the routing tables and exchange of the updated information of the AMHS addresses attributed in each State

Agenda

Item 4: Update of information in the AMHC Address Management Center (AMC) of EUROCONTROL

Agenda

Item 5: Other business



Virtual Meeting COM AMHS/1 (Teleconference, 23 – 25 Sep 2020)

Agenda Item 2 Definition of the SAM Region Contingency Plans





CONTINGENCY PLANS

- Draft Document
- Moderate and Severe Contingencies
- Personnel
- Adjacent AMHS COM Centers
- Scenarios
- Webclients

CONTINGENCY PLAN FOR THE SERVICES OF THE XXXX COM AMHS CENTRE

(City, date)

1. OBJECTIVE

1.1 Establish the coordination and procedures to be applied in the event of contingencies leading to a significant disruption or degradation of the services provided by the XXXXXXXX COM AMHS centre, based on rules and methods set out in the manuals and regulations of the (civil aviation authority), in order to establish measures to ensure the continuity of air operations.

1.2 Two levels of contingencies are considered:

- Moderate contingency: this means that the degradation in services still allows for the operation of the XXXXXX COM AMHS centre to continue; and
- Severe contingency: means that the disruption and/or degradation of services does not allow the operation of the XXXXXX COM AMHS centre to continue.

2. SCOPE

2.1 Applicable to the operational activities of the XXXXX COM AMHS centre, its (direct and indirect) users of the aeronautical messaging service, the adjacent COM AMHS centres, as well as the operational personnel working in these positions when a contingency situation occurs.

3. REFERENCE DOCUMENTS

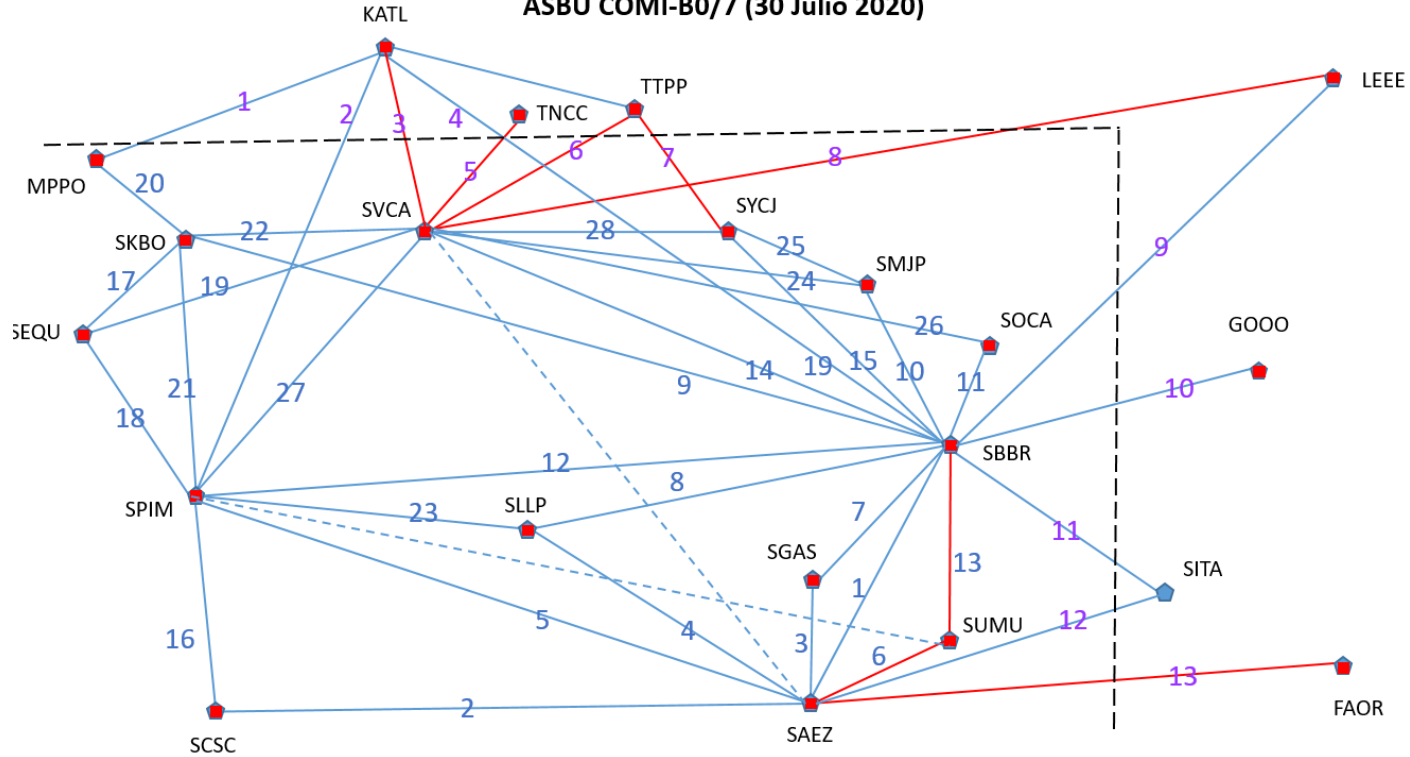
- Manual XX
- Regulation XX
- Standard XX

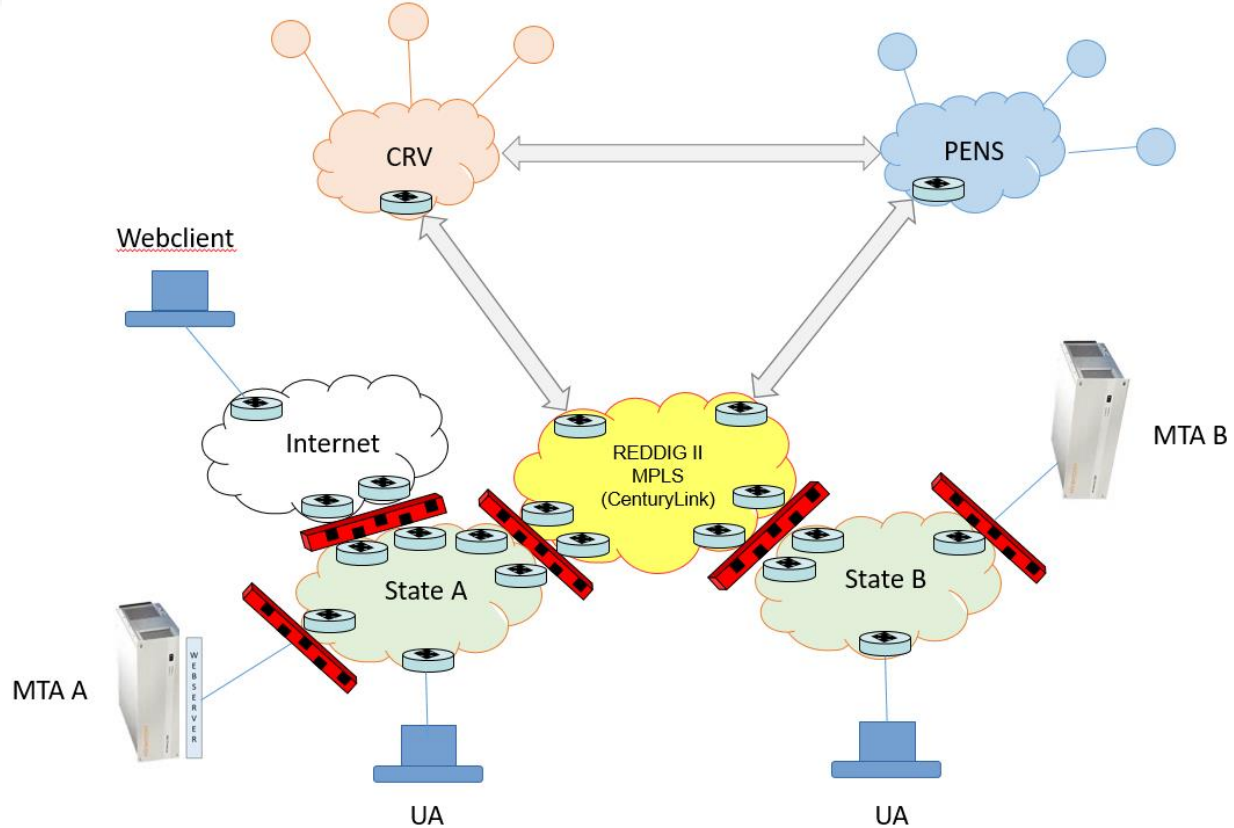
4. GENERAL

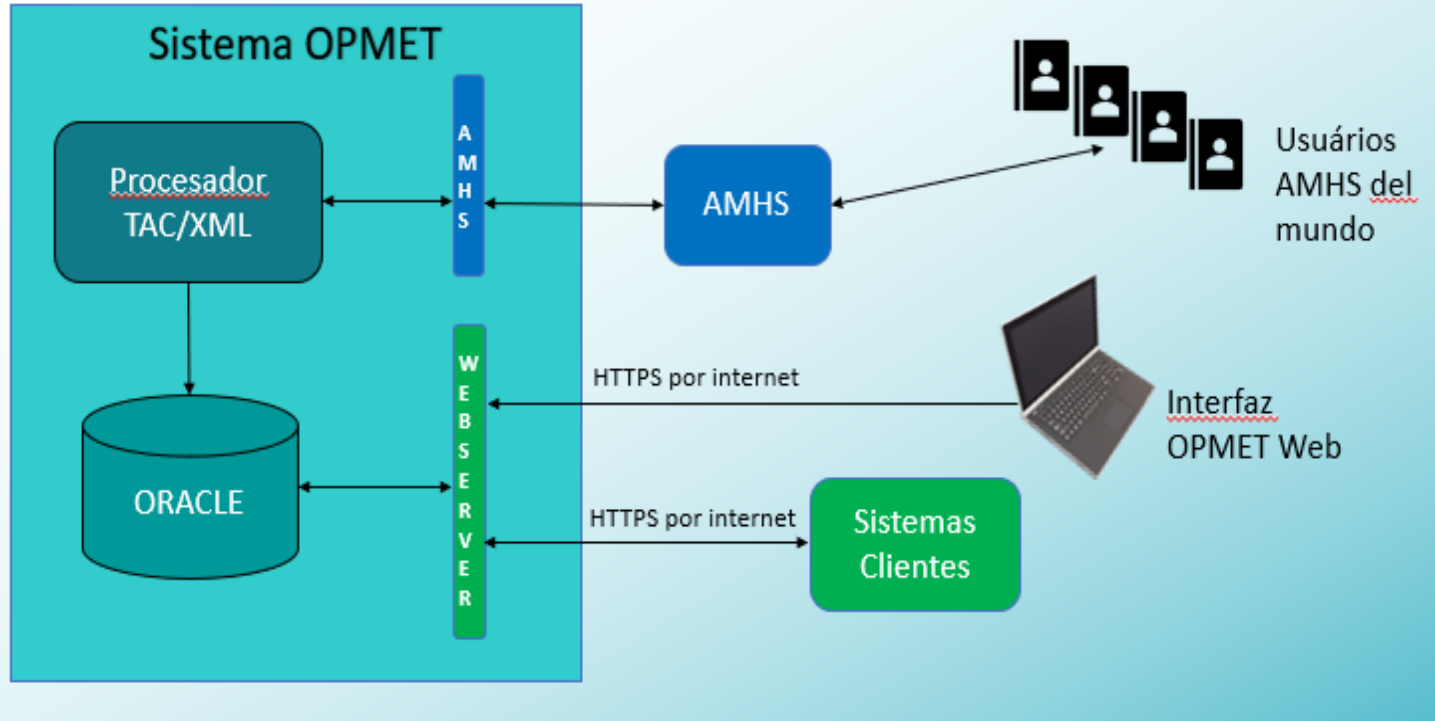
4.1 For the activation and execution of the contingency plan of the XXXXX COM AMHS centre, the COM/AMHS contingency unit authorised by the (civil aviation authority) is made up of the following personnel responsible for the unit:



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









Inicio

Mensajes Meteorológicas ▾

Informes ▾

Edición de Registro de Observaciones EMS

Mensajes Meteorológicas > Edición de Registro de Observaciones EMS

Progress bar: Registro de Observación (active), 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* Hora UTC*

Localidad* nombre de la Localidad*

Visibilidad

Vis. Predominante* Vis. Mínima Dirección

mensaje Codificado

Registro de Observación

Tipo de mensaje: METAR Fecha: 12/08/2020
Hora UTC: 12:00 Localidad: BRASILIA / PRES. JUSCELINO KUBITSCHKEK, 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




Virtual Meeting COM AMHS/1 (Teleconference, 23 – 25 Sep 2020)

Agenda Item 3 Routing Tables







ATS Messaging Management

Operational Area [HELP]

Routing Directory

AFTN Routing Table | **CIDIN Routing Table** | **AMHS Routing Table**

Region or Country COM Centre Location Country AFTN Matrix

MD Common Name Country-Name ADMD-Name PRMD-Name

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]		[]		[]		[]

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



View Operational Data

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ATS Messaging Management

Operational Area [HELP]

AFTN Routing Table
CIDIN Routing Table
AMHS Routing Table

Region or Country:

COM Centre:

Location:

Country:

AMHS Matrix:

MD Common Name:

Country-Name:

ADMD-Name:

PRMD-Name:

Destination				Existing Main		Existing Alternate		Planned Main		Planned Alternate		Comments
C	ADMD	PRMD	O	COM	M	COM	M	COM	M	COM	M	
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)



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Agenda Item 4 Updating the information in AMC



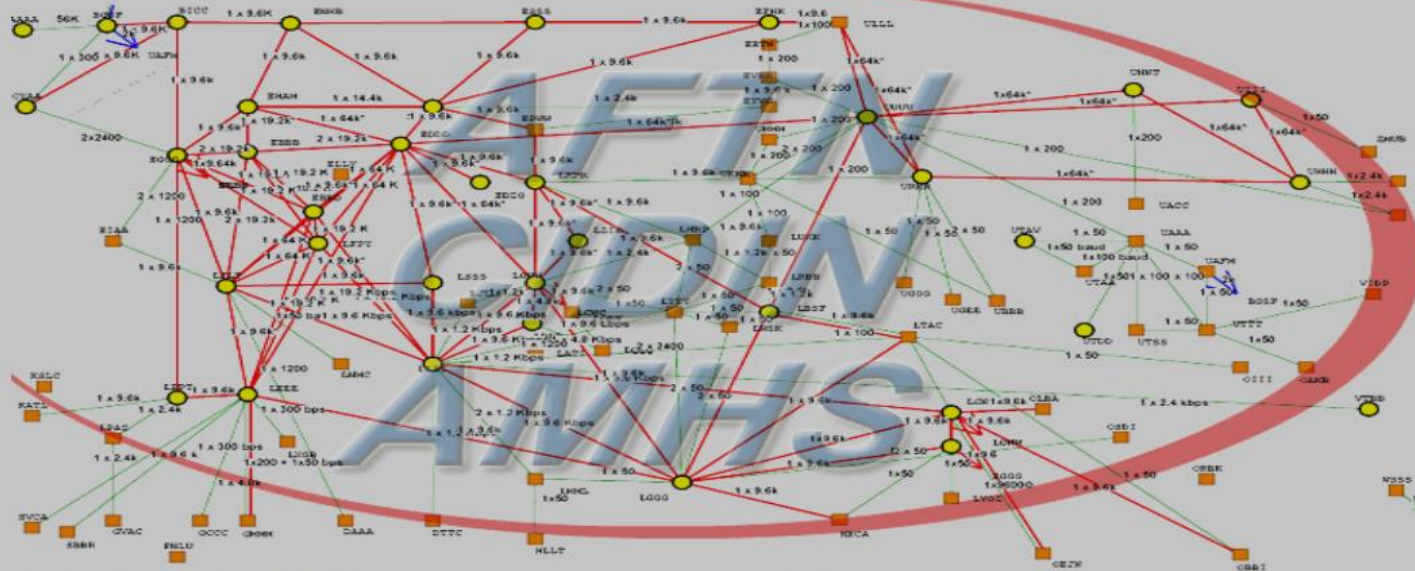


View Operational Data

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- ▶ Send E-Mail to User Groups
- ▶ Archived Data



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





- Users migration (AFTN to AMHS)
- New formats
 - AIXM
 - FIXM
 - IWXXM
- SITA Type X Gateway



Estado / State: PERÚ

Centro COM / COM Center: LIMA (SPIM)

Sistema AMHS / AMHS System: COMSOFT

Año de Implantación / Year of Deployment: 2009

Esquema de Direcciones / Addressing Scheme: CAAS

C=XX A=ICAO P=PERU O=SPIM OU1=SP**

Usuarios AFTN existentes:

Dirección AFTN	Tipo de Usuario		Migración para:	Dirección AMHS completa
	Humano	Automatizado		
SPJCAWOS		X	TBN	C=XX; A=ICAO; P=PERU; O=SPIM; OU1=SPJC; CN=SPJCAWOS
SPJCWAFX		X	TBN	C=XX; A=ICAO; P=PERU; O=SPIM; OU1=SPIM; CN=SPIMWAFX
SPJCZXZX		X	TBN	C=XX; A=ICAO; P=PERU; O=SPIM; OU1=SPJC; CN=SPJCZXZX
SPJCHDGX	X		TBN	C=XX; A=ICAO; P=PERU; O=SPIM; OU1=SPJC; CN=SPJCHDGX
SPJCAALX	X		TBN	C=XX; A=ICAO; P=PERU; O=SPIM; OU1=SPJC; CN=SPJCAALX
SPJCMETX		X	Dic.2019	C=XX; A=ICAO; P=PERU; O=SPIM; OU1=SPJC; CN=SPJCMETX
SPJCZSZX		X	TBN	C=XX; A=ICAO; P=PERU; O=SPIM; OU1=SPJC; CN=SPJCZSZX
SPJINFO		X	TBN	C=XX; A=ICAO; P=PERU; O=SPIM; OU1=SPJC; CN=SPJINFO
SPJCLAPX		X	TBN	C=XX; A=ICAO; P=PERU; O=SPIM; OU1=SPJC; CN=SPJCLAPX
SPIMYZYX		X	Ene.2021	C=XX; A=ICAO; P=PERU; O=SPIM; OU1=SPIM; CN=SPIMYZYX
SPQUZXAX		X	TBN	C=XX; A=ICAO; P=PERU; O=SPIM; OU1=SPQU; CN=SPQUZXAX
SPQUZXBX		X	TBN	C=XX; A=ICAO; P=PERU; O=SPIM; OU1=SPQU; CN=SPQUZXBX
SPHIZXAX		X	TBN	C=XX; A=ICAO; P=PERU; O=SPIM; OU1=SPHI; CN=SPHIZXAX
SPHIZBXX		X	TBN	C=XX; A=ICAO; P=PERU; O=SPIM; OU1=SPHI; CN=SPHIZBXX
SPHIAWOS		X	TBN	C=XX; A=ICAO; P=PERU; O=SPIM; OU1=SPHI; CN=SPHIAWOS
SPZOZXAX		X	TBN	C=XX; A=ICAO; P=PERU; O=SPIM; OU1=SPZO; CN=SPZOZXAX
SPZOZBXX		X	TBN	C=XX; A=ICAO; P=PERU; O=SPIM; OU1=SPZO; CN=SPZOZBXX
SPQTZXAX		X	TBN	C=XX; A=ICAO; P=PERU; O=SPIM; OU1=SPQT; CN=SPQTZXAX
SPJCZXAX		X	TBN	C=XX; A=ICAO; P=PERU; O=SPIM; OU1=SPJC; CN=SPJCZXAX
SPJCZBXX		X	TBN	C=XX; A=ICAO; P=PERU; O=SPIM; OU1=SPJC; CN=SPJCZBXX
SPZAZXAX		X	TBN	C=XX; A=ICAO; P=PERU; O=SPIM; OU1=SPZA; CN=SPZAZXAX
SPSOZXAX		X	TBN	C=XX; A=ICAO; P=PERU; O=SPIM; OU1=SPSO; CN=SPSOZXAX



METAR – TAC Format

Traditional Alphanumeric Code (TAC)

METAR YUDO 221630Z 24004MPS 0600 R12/1000U DZ FG SCT010 OVC020
17/16 Q1018 BECMG TL1700 0800 FG BECMG AT1800 9999 NSW



METAR – IWXXM Format

IWXXM

```
<iwxxm:METAR xmlns:iwxxm="http://icao.int/iwxxm/1.0" xmlns:xlink="http://www.w3.org/1999/xlink"
xmlns:gml="http://www.opengis.net/gml/3.2" xmlns:om="http://www.opengis.net/om/2.0"
xmlns:metce="http://def.wmo.int/metce/2013"
xmlns:sams="http://www.opengis.net/samplingSpatial/2.0"
xmlns:sf="http://www.opengis.net/sampling/2.0"
xmlns:saf="http://icao.int/saf/1.0"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://icao.int/iwxxm/1.0 http://schemas.wmo.int/iwxxm/1.0/iwxxm.xsd
http://def.wmo.int/metce/2013 http://schemas.wmo.int/metce/1.0/metce.xsd"
gml:id="metar-YUDO-20120822163000Z"
status="NORMAL"
automatedStation="false">
<iwxxm:observation>
<om:OM_Observation gml:id="obs-03839-20120824T12Z">
<om:type xlink:href="http://codes.wmo.int/49-2/observation-type/IWXXM/1.0/MeteorologicalAerodromeObservation"
xlink:title="Aerodrome
Observation"/>
<!--time at which the observation actually occurred-->
<om:phenomenonTime>
<gml:TimeInstant gml:id="ti-201208221630Z">
<gml:timePosition>2012-08-22T16:30:00Z</gml:timePosition>
</gml:TimeInstant>
</om:phenomenonTime>
<!--time at which the results of the observation were made available (10-minutes later)-->
<om:resultTime>
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</om:resultTime>
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SPECIFICATIONS RELATED TO METEOROLOGICAL OBSERVATIONS AND REPORTS</gml:description>
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SITA Type X Gateway

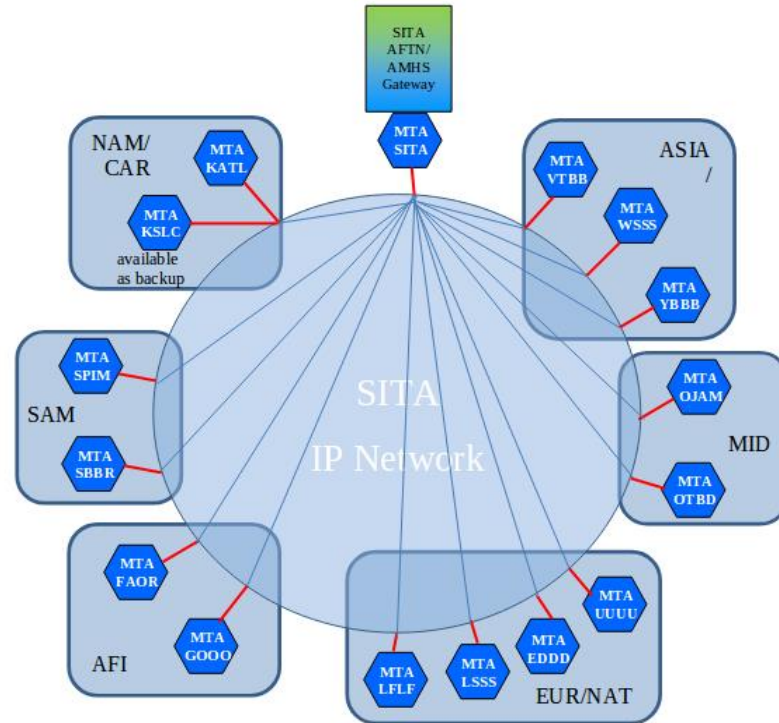
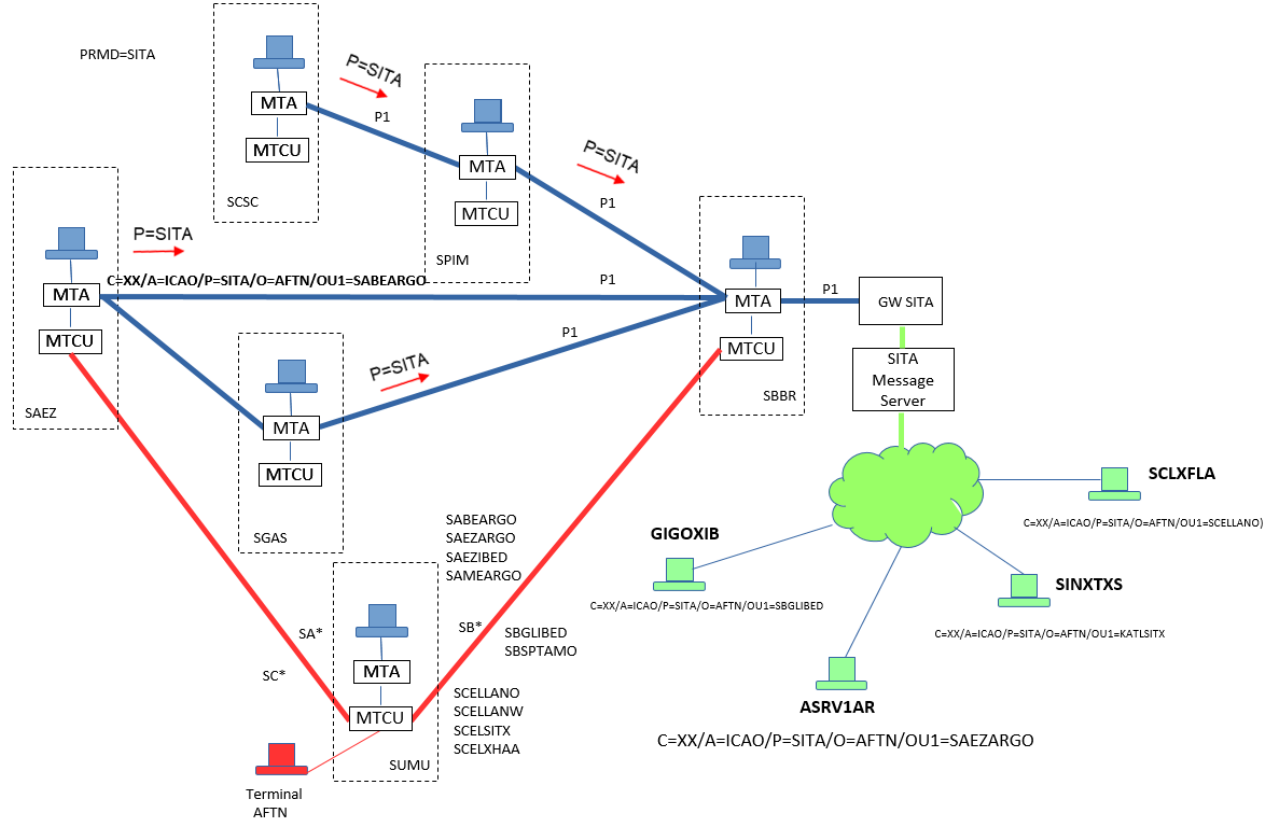


Figure 14: Planned interconnections between the ICAO Regions and the AMHS/SITA Type X Gateway



Transition 1 SBBR





- 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 ENRD
 - Path Function
 - Convert AFTN Address
 - AFTN Country Code and AMHS PRMD
 - View ANP Locations
 - Regions
 - Send E-Mail to User Groups

- AMHS MD Contacts
 - Persons and Contacts

- AMHS Implementation Planning
 - Implementation Planning

- Interworking Test Support
 - Download Test Documentation

ATS Messaging Management

Address Management Operational Area [HELP]

AMHS MD Register / **Intra MD Addressing**

Region: SAM | COM Centre: SAEZ | MD Common Name: SA | Addressing Scheme: CAAS

Country-Name: XX | ADMD-Name: ICAO | PRMD-Name: SA

CAAS Table

Org. (O)	Org. Unit (OU)	7910 Status	Offic. Register Status
SACO	SAC*	Official	Registered
SACO	SAN*	Official	Registered
SACO	SAO*	Official	Registered
SACO	SAS*	Official	Registered
SAEZ	SA**	Official	Registered
SAME	SAM*	Official	Registered
SARE	SAR*	Official	Registered
SARE	SAT*	Official	Registered
SAVC	SAV*	Official	Registered
SAVC	SAW*	Official	Registered
SAVC	SAY*	Official	Registered

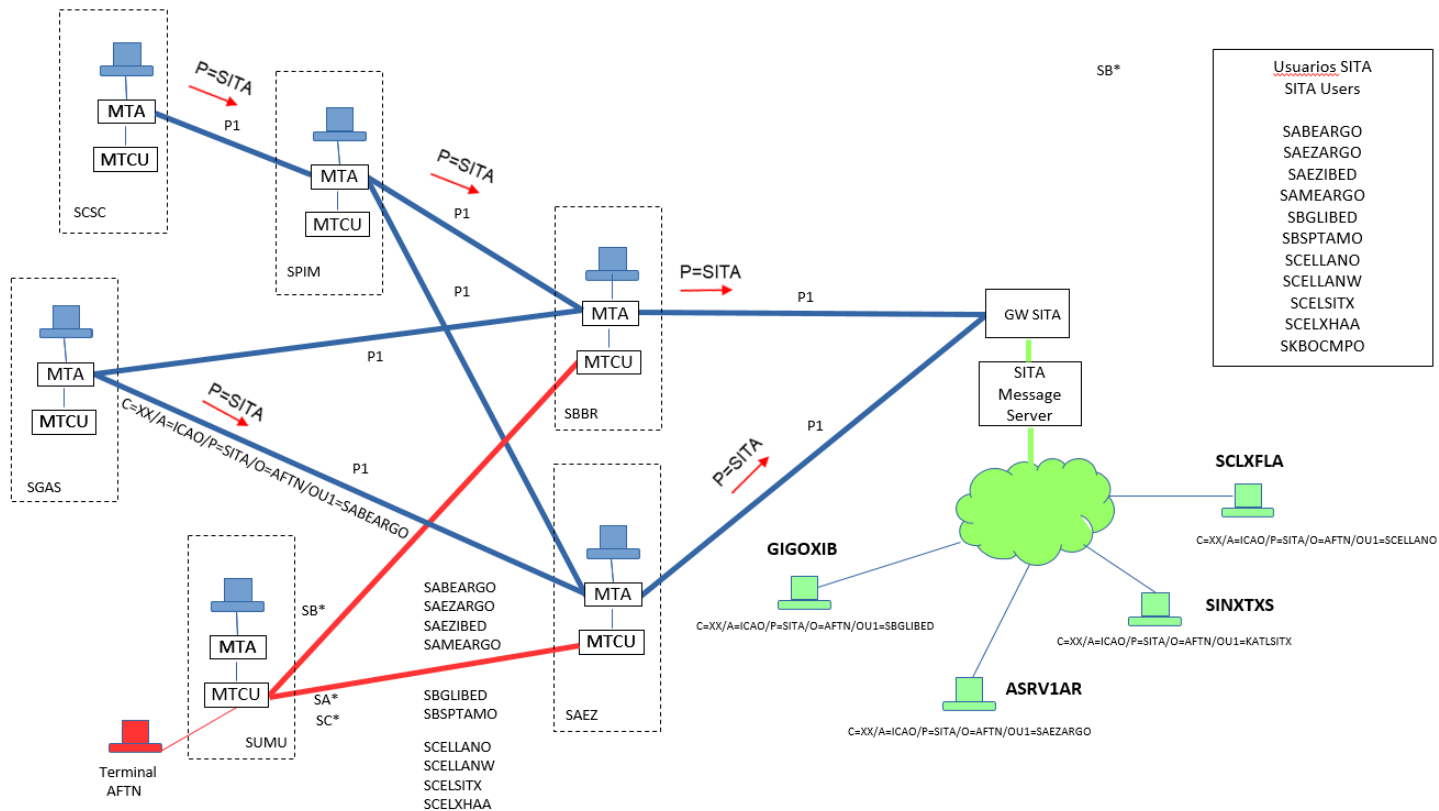
User Address Table

User Short Name	AFTN Addr Indicator	O/R Address
ASRV1AR	SABEARGO	/C=XX A /A=ICAO A /P=SITA A /O=AFTN A /OU1=SABEARGO A
ASRV1AR	SAEZARGO	/C=XX A /A=ICAO A /P=SITA A /O=AFTN A /OU1=SAEZARGO A
EZEIXIB	SAEZIBED	/C=XX A /A=ICAO A /P=SITA A /O=AFTN A /OU1=SAEZIBED A
ASRV1AR	SAMEARGO	/C=XX A /A=ICAO A /P=SITA A /O=AFTN A /OU1=SAMEARGO A

REPORT | EXPORT CAAS TABLES | EXPORT USER ADDRESSES



Transition 2 SBBR and SAEZ





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