



SAR Regional Meeting 2019

Lima, December 6th and 7th

SISSAR

(Sistema de Busca e Salvamento
Aeronáutico Brasileiro)



Departamento de Controle
do Espaço Aéreo





SUMMARY

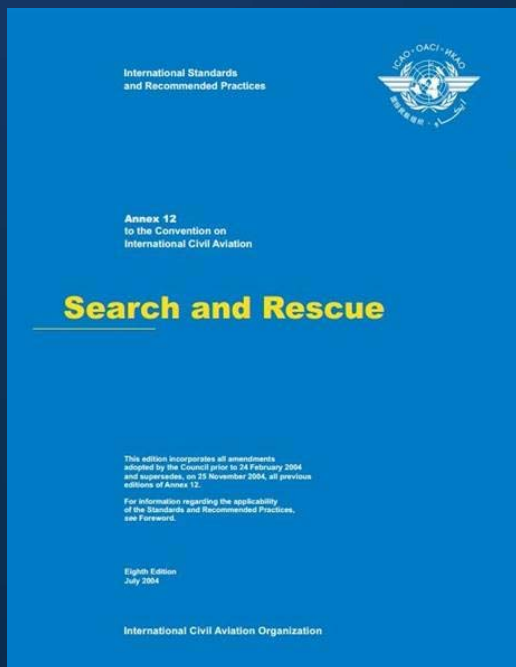
- 1) SAR Services Legal Framework;
- 2) SARP Annex 12;
- 3) Areas of responsibility, Aeronautical SAR / Maritime SAR;
- 4) Letters of Agreement;
- 5) COSPAS-SARSAT;
- 6) GADSS
- 7) Training / SAR Exercises



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SAR SERVICES LEGAL FRAMEWORK



ANNEX 12

IAMSAR Vol. I, II AND III



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SAR SERVICES LEGAL FRAMEWORK

- 1) Law 7.565 - (1986) “Código Brasileiro de Aeronáutica” Article 49 to 65.
- 2) Portaria 1.162 / GC3 - (2005) *Regulates Aeronautical SAR System - SISSAR*
- 3) ICA 64-7 (*Annex 12*)
- 4) MCA 64-3 (*Annex 12 and IAMSAR*)
- 5) PCA 64-1 (*Brazilian SAR Plan*)



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SARP ANNEX 12

COMPLIANCE **100 % (USOAP)**

WITH ALL STANDARDS

AND RECOMMENDATIONS PRACTICES.

✓ **02 REFERENCE – NOT APPLICABLE**

- Airspace included in others SRR**
- SRR is responsible of more than one Contracting State**

(Included in SRR under its jurisdiction)



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SARP ANNEX 12

COMPLIANCE 100 %

WITH ALL STANDARDS

AND RECOMMENDATIONS PRACTICES.

- ✓ **04 REFERENCE – OTHER MEANS OF COMPLIANCE**
 - ❑ **Joint RCC (ARCC/MRCC) – LOA with Brazilian Navy**
 - ❑ **RCC personnel proficient in English language**

 - ❑ **Authorization to RCC request assistance of others States, permission for the entry of SAR aircraft in its SRR**
 - ❑ **Responsible RCC to discontinue SAR operations**
(Both issue, Attribution of Central Agency – DECEA)



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MINISTRY OF
DEFENCE

COMAER

DECEA

CINDACTA I

CINDACTA II

CINDACTA III

CINDACTA IV

ARCC-BS

ARCC-CW

ARCC-RE/AO

ARCC-AZ



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AREAS OF RESPONSIBILITY

AERONAUTICAL SAR

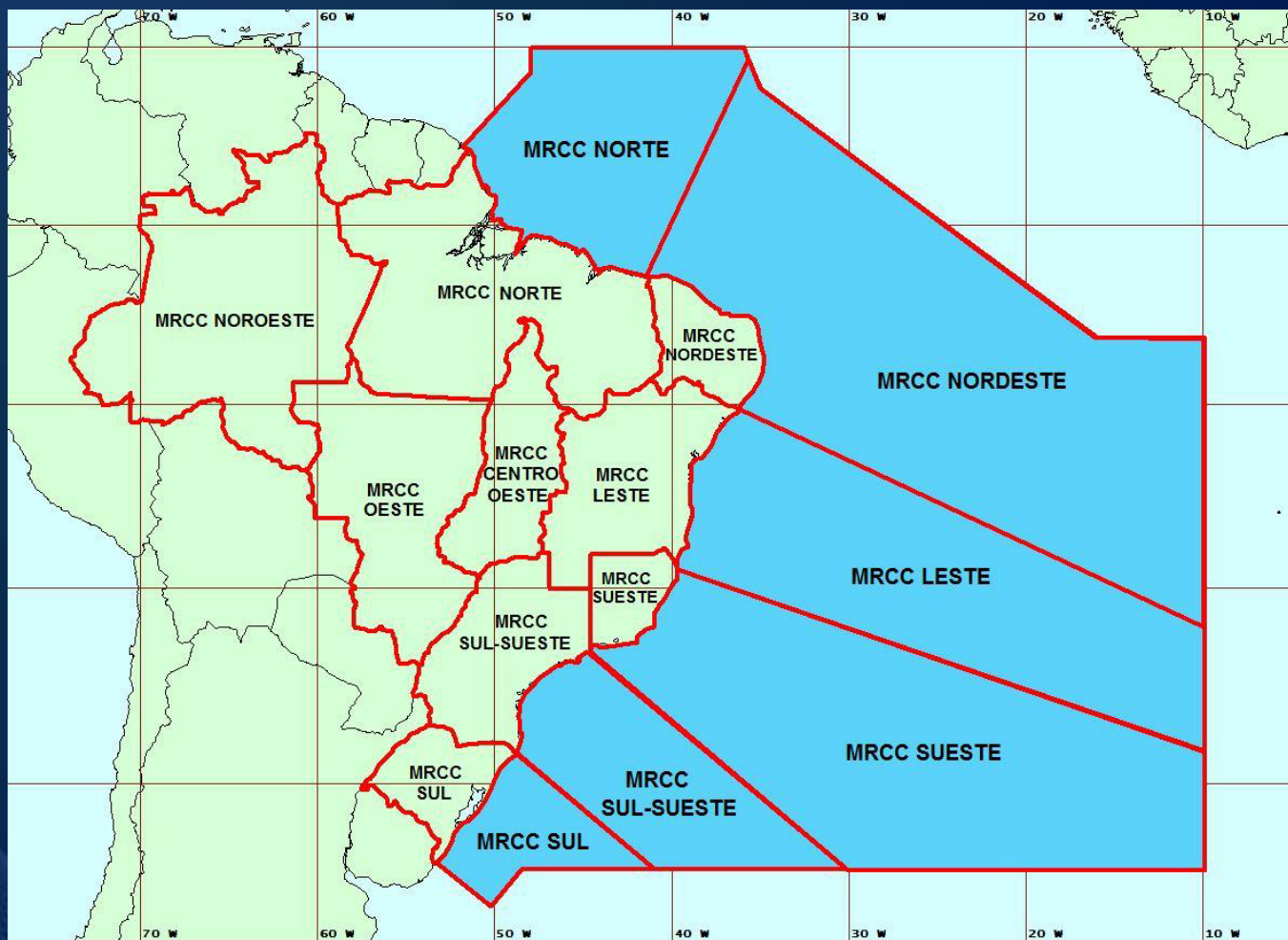


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AREAS OF RESPONSIBILITY

MARITIME SAR



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AREAS OF RESPONSIBILITY

MARITIME SAR X AERONAUTICAL SAR

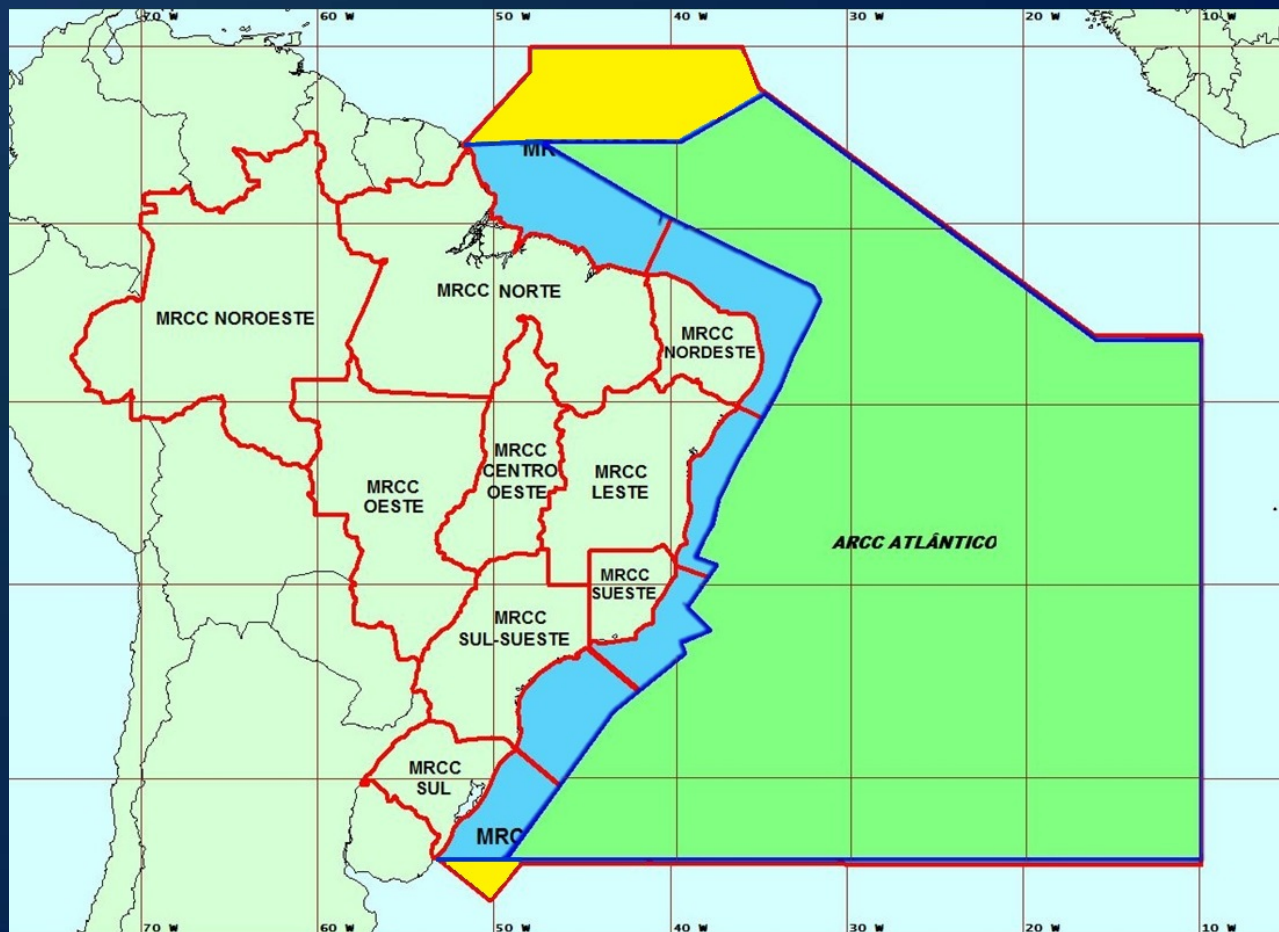


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AREAS OF RESPONSIBILITY

MARITIME SAR X AERONAUTICAL SAR



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LETTERS OF AGREEMENT (LOA)

BETWEEN:

- ✓ Aeronautical SAR System and Maritime SAR Service (**both Brazilian**);
- ✓ ARCC-CW / ARCC Assunção (**Paraguai**);
- ✓ ARCC-CW / RCC La Paz (**Bolívia**);
- ✓ ARCC-AZ / RCC La Paz (**Bolívia**);
- ✓ ARCC-CW / RCC Resistência (**Argentina**);
- ✓ ARCC-CW / RCC Ezeiza (**Argentina**);



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LETTERS OF AGREEMENT (LOA)

BETWEEN:

- ✓ ARCC-AZ / RCC Georgetown (**Guiana**);
- ✓ ARCC-AZ / RCC Lima (**Peru**);
- ✓ ARCC-AZ / RCC Maiquetia (**Venezuela**).
- ✓ ARCC-AZ / RCC Caiena - **Guiana Francesa**;
To be updated
- ✓ **Uruguai** and **Colômbia** – **To be assigned**



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COSPAS-SARSAT



MEOSAR

- COMMISSIONING → EARLY OPERACIONAL CAPACITY
- THE GREATEST STRUCTURE OF SOUTH HEMISPHERE
- ACCURACY OF 15 METERS WITH 8 SATELLITE CAPTURE



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MEOLUT - RECIFE

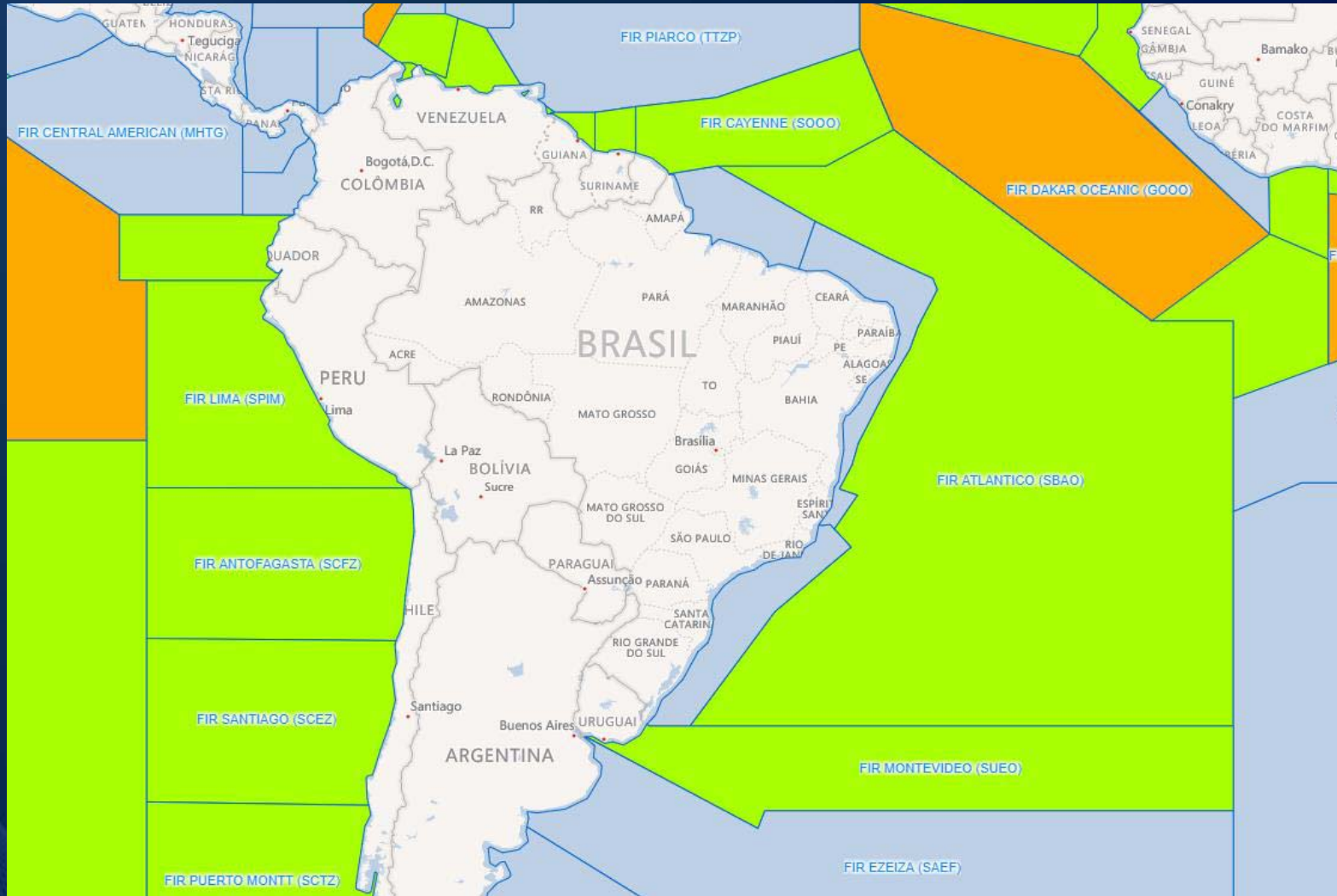
MEOLUT / LEOLUT / GEOLUT
BRASÍLIA



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GADSS



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GADSS

ATSU service provided: Air Operator tracking not required

Oceanic areas where ATC gets position information more than every 15 min (Recommendation for remote areas).

FIR SBAO – ACC-AO ⇔ ADC-C

- 1) Standard (Periodic Contract): Tracking updated every 15 min
- 2) High Traffic Demand (Periodic Contract): Tracking updated every 5 min

Note: ADS-C emergency reports can be triggered by the flight crew



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TRAINING / SAR EXERCISES



Fabio Mascia/RSCOM



TRAINING / SAR EXERCISES



ntrole



TRAINING / SAR EXERCISES



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CARRANCA - SAREX

YEAR	HOURS FLOWN
2009	97H:50MIN
2013	132H:15MIN
2014	142H:35MIN
2015	67H:45MIN
2016	90H:30MIN
2018	133H:45MIN
2020	



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Exercício
CARRANCA V
9 a 18 de Março - Florianópolis - SC



... That others may live.



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