



BRAZILIAN LETTER OF AGREEMENT (LOA)

Speed Restrictions

IFR supersonic flights only above FL420 or inside restrict areas for military operations (SBRs) coordinating with BR-SOD;
Jet Fighters below FL100 – MAX 350Kts;
Jet Fighters above FL100 – Mach 0.99;
Other military aircraft – GAT operation limits;
Supersonic flights allowed to supersonic passenger transport aircraft (Ex: Concord, TU144/160)

Restrict Areas and Control Positions

All SBR (restrict) areas can be check inside a document [ENR 5 \(in Portuguese\)](#)

XXXX_M_XXX (Military ATC positions)

The military control positions or _M_, on Brazilian Division, are restrict to events and official operations with coordination direct with BR-SOD. The military control is responsible for military flights inside the operation region, however, when no civilian ATC on the same region, military ATC need to give service to civilian flights when requested.

XXXX_M_CTR (Military Centre Control)

It's responsible for conduct coordinate intercept missions and big events. Uses the callsign “Thor”.

Squawk:

For all flights, the squawk should be get on Brazilian ATC system, called KOIOS: <http://www.ivao.com.br/ssr/>

**only connected ATCs can access the system with IVAO login.*

Military Training Activities

All activities of military training are allowed on Brazilian Division, including Air-to-Air and Air-to-Ground training activities, since attending HQ-SOD rules as in this link [Click here](#).

Intercepting

All members involved on intercept activities should be previously communicate and should agree to the intercept go ahead. Civilian flight not participating from the military operations are not allowed to be intercepted, being subject to the rules of conduct from IVAO and respective punishments.

ATC Classification

FRA: check the FRA list on BR site (<http://www.ivao.com.br/mapa-fra.php>) and (<https://www.ivao.aero/fras/list.asp?id=BR>)

GCA: Any member from IVAO that is not from Brazilian Division and wish control on Brazilian positions should have at least ADC rating and need submit a theoretical-practical assessment accord with actual rating. To request GCA, the member should have:

- Ability to communicate in Portuguese and English;
- Knowledge of local standard phraseology based on [MCA 100-16](#);
- Knowledge of local regulations based on [ICA 100-37](#) and [ICA 100-12](#);
- Knowledge of the procedures adopted by the Brazilian Division.

Militar Air Bases

Brazilian Air Force

Wing	ICAO	Squadron - Aircraft
AFA	SBYS	1°EIA – T-27 Tucano 2° EIA – T-25 Universal
1st Wing	SBBR	GTE (Grupo de Transporte Especial) – VH35 (EC135) – VH34 (AS332) – VH36 (EC725) VC99A (E145) - VC99B (Legacy) – VC99C (E135) – C98A (C208) – C97 (E120) – VC2 (E190) – VC1 (A319) 6° ETA (Esquadrão Guará) – C-98A (C208) – C-95BM (E110) – U-35A (Lear35) - C-97 (E120)
2nd Wing	SBAN	1° GDA (Esquadrão Jaguar) – F-5EM/FM 1°/6° GAv (Esquadrão Carajá) – R-35°/AM (Lear-35) 2°/6° GAv (Esquadrão Guardião) – R-99A/B (E145 AEW)
3rd Wing	SBCO	1°/14° GAv (Esquadrão Pampa) - F-5EM/FM 2°/7° GAv (Esquadrão Phoenix) – P-95 (E110) 5° ETA (Esquadrão Pégasos) – C-98A (C208) – C-95BM/CM (E110) – C-97 (E120)
4th Wing	SBSM	1°/10° GAv (Esquadrão Poker) – AMX RA-1A/B 1°/12° GAv (Esquadrão Hórus) – RQ-450 Hermes – RQ-900 Hermes 3°/10° GAv (Esquadrão Centauro) – AMX RA-1A/B 5°/8° GAv (Esquadrão Pantera) – H-60L Black Hawk
5th Wing	SBCG	1°/15° GAv (Esquadrão Onça) – C-105 (C295) 2°/10° GAv (Esquadrão Pelicano) – SC-95 (E110) – H-1H (B205) – SC-105 (C295) 3°/3° GAv (Esquadrão Flecha) – A-29A/B
6th Wing	SBPV	2°/3° GAv (Esquadrão Grifo) – A-29A/B 2°/8° GAv (Esquadrão Poti) – AH-2 (MI-24)
7th Wing	SBBV	1°/3° GAv (Esquadrão Escorpião) – A-29A/B
8th Wing	SBM N	1°/4° GAv (Esquadrão Pacau) – F-5EM/FM 1°/9° GAv (Esquadrão Arára) – C-105 (C295) 7°/8° GAv (Esquadrão Hárpia) – H-60L Black Hawk 7° ETA (Esquadrão Cobra) - C-98A (C208) – C-95BM/CM (E110) – C-97 (E120)
9th Wing	SBBE	1°/8° GAv (Esquadrão Falcão) – H-36 (EC725) 3°/7° GAv (Esquadrão Netuno) – P-95A/B 1° ETA (Esquadrão Tracajá) - C-98A (C208) – C-95BM/CM (E110) – C-97 (E120)
10th Wing	SBNT	1°/5° GAv (Esquadrão Rumba) – C-95BM/CM (E110) 2°/5° GAv (Esquadrão Joker) – A-29A/B 1°/11° GAv (Esquadrão Gavião) – H-50 (AS350)
11th Wing	SBGL	1° GTT (Esquadrões Coral e Cascavel) – C-130 1°/1° GT (Esquadrão Gordo) – KC/C-130 1°/2° GT (Esquadrão Condor) – C-99 (E145) 2°/2° GT (Esquadrão Corsário) – C-767 (B763) 3° ETA (Esquadrão Pioneiro) - C-98A (C208) – C-95BM/CM (E110) – C-97 (E120)
12th Wing	SBSC	1° GAvCA (Esquadrões Jambock e Pif-Paf) – F-5EM/FM 3°/8° GAv (Esquadrão Puma) – H-36 (EC725)
13th Wing	S BSP	4° ETA (Esquadrão Carajá) - C-98A (C208) – C-95BM/CM (E110) – C-97 (E120)
14th Wing	SBSV	1°/7° GAv (Esquadrão Orungan) – P-3AM
15th Wing	SBRF	2° ETA (Esquadrão Pastor) - C-98A (C208) – C-95BM/CM (E110) – C-97 (E120)

Brazilian Army

SBTA – (BASE DE AVIAÇÃO DE TAUBATÉ) | HB 350 L1 Esquilo, AS 365 K Pantera, AS 532 EU Cougar e EC-725 Caracal

SBCG – (BASE AÉREA DE CAMPO GRANDE) HB 350 L1 Esquilo e AS 365 K Pantera

SBMN – (BASE AÉREA DE MANAUS) AS 532 UE Cougar, AS 365 K Pantera e UH60 Black Hawk

Brazilian Navy

SJJZ – (BASE DE AVIAÇÃO NAVAL DO RIO GRANDE) | UH-12 Esquilo

SWLD – (BASE FLUVIAL DE LADÁRIO) | UH-12 Esquilo

SWRN – (ESTAÇÃO NAVAL DO RIO NEGRO) | UH-12 Esquilo

SBES – (BASE AÉREA NAVAL DE SÃO PEDRO DA ALDEIA) | AF1 Skyhawk / UH-12 Esquilo / Bell 206 / SH-16 Seahawk / UH-14 - Super Puma / UH-15 Super Cougar / AH-11^a

If you have questions, criticisms or suggestions, please contact the Brazilian Special Operations Department (BR-SOD).

Send your e-mail to br-soc@ivao.aero and br-soac@ivao.aero.