



**Departamento
de Controle do Espaço Aéreo**
Department of Airspace Control



BR-UTM

The aviation of the future has already begun

Regulatory Authorities



CAA



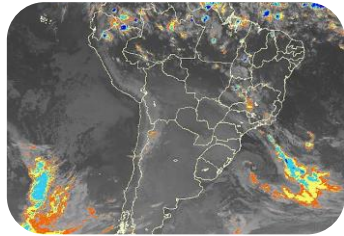
ANSP

SIRIUS

BRASIL



Air Traffic Management



Meteorology



Aeronautical Information



SAR



Air Defense



Safety



Logistics



Telecommunications



Surveillance



Navigation



Human Resources



BR-UTM

Timeline



AIC-29

1st Regulatory Framework

2009

SARPAS

1st Access Request System

2016



ICA 100-40

Update Regulatory Framework

2018

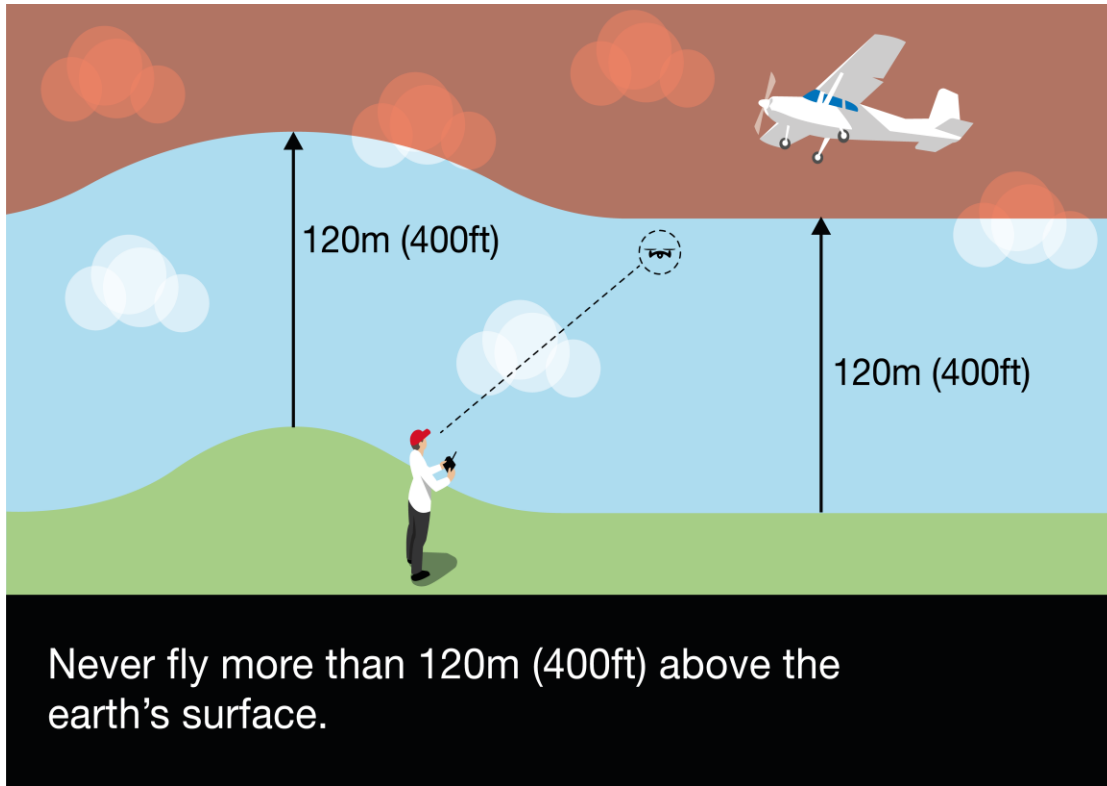


SARPAS NG

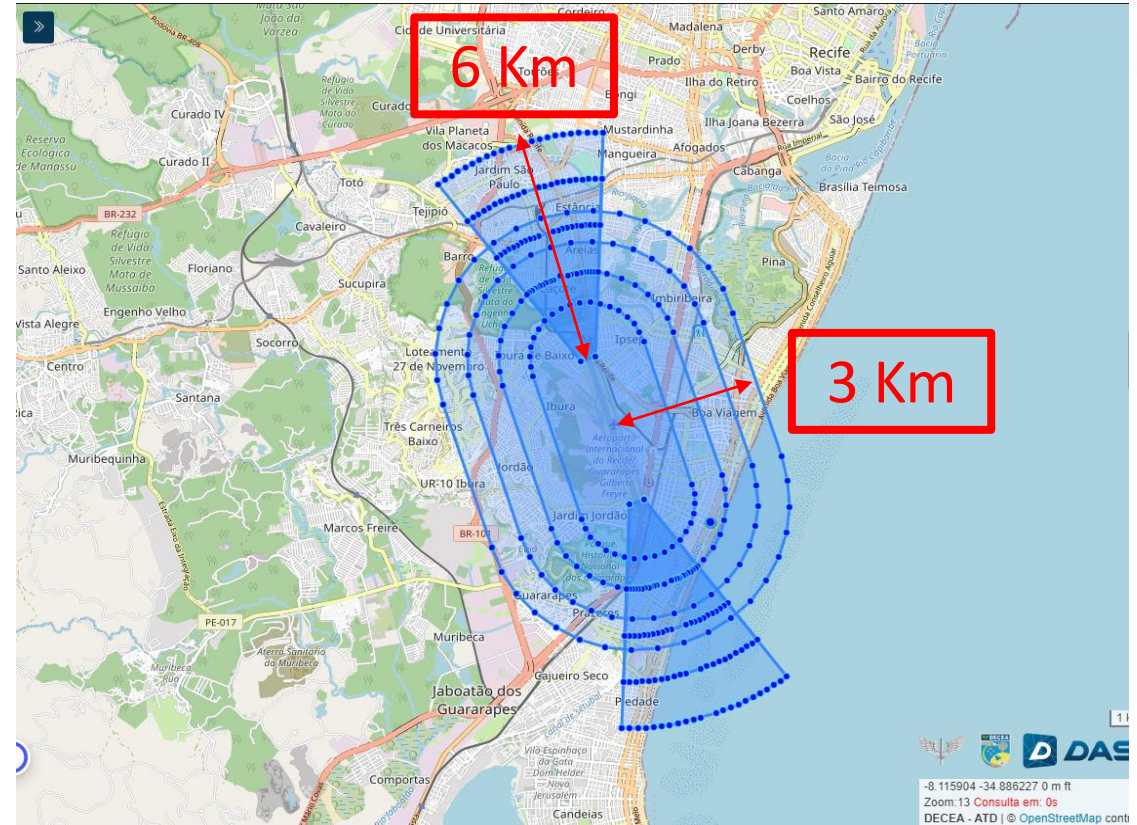
2st Access Request System

2022





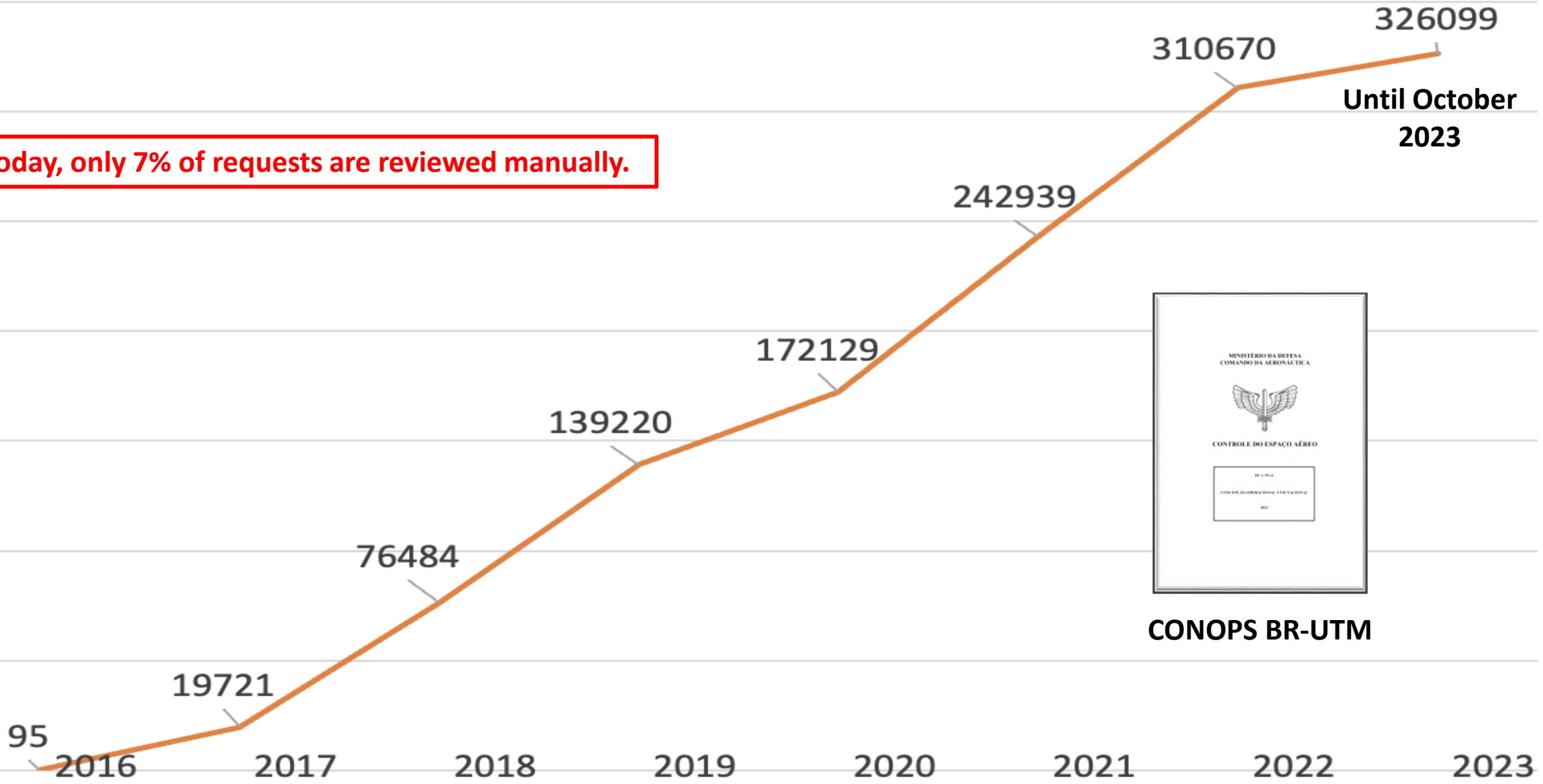
VLOS – Up to 400 Ft



FRZ- Flight Restriction Zone for UA

Airspace Access Request

Today, only 7% of requests are reviewed manually.



CONOPS BR-UTM

The number of requests from 2023 were computed up to october.

SERVICES





Departamento
de Controle do Espaço Aéreo



CHAMADA

PÚBLICA



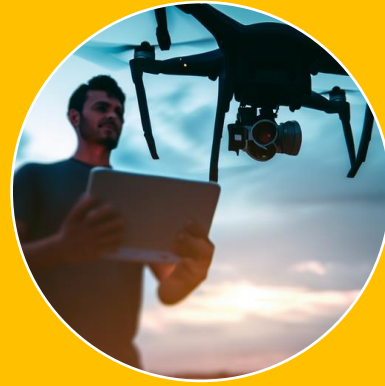
PUBLIC CALL



Governance



Technology



Operational

Research & Development / Regulation / Communication



BR-UTM

Project Levels

L1

UNCONTROLLED AIRSPACE

L2

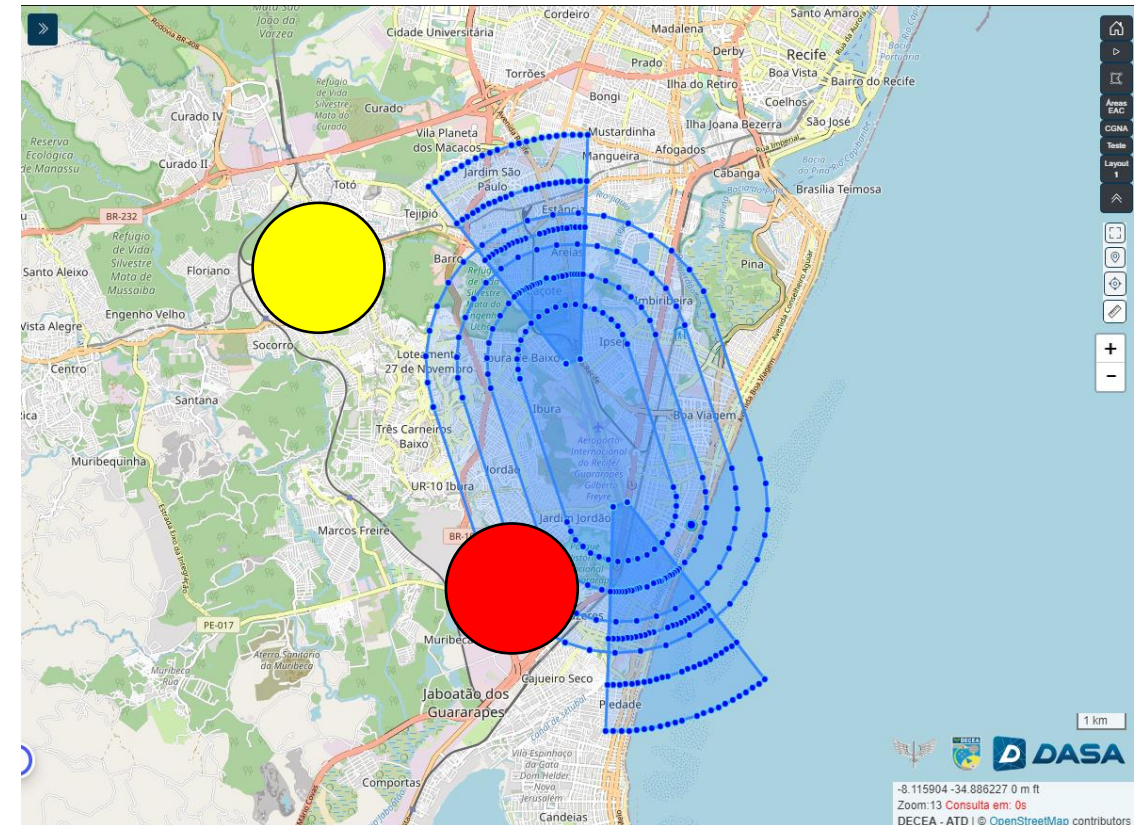
∅ FLIGHT RESTRICTION ZONE

L3

∩ FLIGHT RESTRICTION ZONE

L4

CONTROLLED AIRSPACE



BR-UTM

-8.115904 -34.886227 0 m ft
Zoom: 13 Consulta em: 0s
DECEA - ATD | © OpenStreetMap contributors

Project Scenarios

SCENARIOS

S1

LOW TRAFFIC DENSITY

S2

MEDIUM TRAFFIC DENSITY

S3

HIGH TRAFFIC DENSITY



THANK YOU



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FORÇA AÉREA BRASILEIRA
Asas que protegem o País



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