## NAVAID

**BRASILIA**  From 10 October 2019, 0000 UTC to 31 December 2020, 2359 UTC. VOR/DME BSI 116.30 MHz/CH 110X will be unserviceable.

**CAMPOS**  NDB CPO 225KHz unserviceable. From 02 JAN 2020, 0000Z to 31 December 2020, 2300Z.

**CHAPECO**  From 30 January 2020, 0000 UTC to 10 October 2020, 2359 UTC. VOR/DME XPC 116.10 MHz/CH 108X will be unserviceable.

**JACAREACANGA**  Effective until 31 DEC 2022, 2359Z. JACAREACANGA, JAC (VOR/DME) 112.20MHz will be unserviceable.

**PAULO AFONSO**  From 19 October 2019, 0000 UTC to 19 October 2020, 2359 UTC (PAP) VOR 113.30 MHz unserviceable.

**RIBEIRAO**  VOR/DME (RPR) will be unserviceable from 0000 UTC 06 DEC 18 to 2359 UTC 31 DEC 20.

**TUCURUI**  VOR/DME TUI 112.90 Mhz / CH76X unusable.

## ENROUTE

**AMAZONICA FIR**

From 05 DEC 19 until 31 DEC 21, Amazonica ACC sector 2 frequency 126.150 MHz change to 125.750 MHz, sector 4 frequency 123.95 MHz change to 123.65 MHz, sector 5 frequency 126.150 MHz change to 133.350 MHz, sector 4 frequency 123.550 MHz (Primary) change to 123.850 MHz, 128.300 MHz (Secondary) change to 128.050 MHz.

## TERMINAL

**ARGENTINA**

**SABE,** Jorge Newbery

**Buenos Aires**, From 0300 UTC, 01 AUG 2020 until 0300 UTC, 01 DEC 2020, the Apt will be closed due to construction work on Rwy and Twys.

## BOLIVIA

**SLLP, El Alto Intl**

La Paz, IAC VOR Y Rwy 10 (S10-Y) is suspended until further notice.

**SLTJ, Capt Oriel Lea Plaza**

Tarija, Rwy 31 PAPI unserviceable.

**SLTR, Jorge Henrich Arauz**

Trinidad, SIDs AKRIM1, EKAV1, EKAV2, IRED01, IRIVA1, KETIP1, MIKAL1, MOXUS1, TOBL1, UBLEX1 suspended as of 18 OCT 2019 until further notice.

## BRAZIL

**SBAN, Anapolis Air Base**

Anapolis, KETUL1 SID - GOI VOR withdrawn per SBGO notam Z3847/16.

**SBAT, Alta Floresta**

Alta Floresta, NDB Z Rwy 04 (N04-Z) is not available from 5 Dec 19, 0000 UTC to 31 Dec 22, 2359 UTC.

**SBAX, Araxa**

Araxa, Departure [MASD1A] not available from 30 JAN 2020 0000Z until 31 DEC 2021 2359Z.

**SBBE, Val De Cans-Ribeiro Intl**

Belem, Departure RW02 RNAV JANES1 transition RW02 suspended until 31 DEC 2022 2359UTC.

RNAV (GNSS) Rw 24 (R24) not available to LNAV/ VNAV from 05 Dec 19, 0000 UTC to 31 Dec 22, 2359 UTC.

**SBBH, Pampulha-Carlos Drummond De Andrade Belo Horizonte,** From 10 Oct 2019, 0000UTC to 01 Feb 2021, 2359UTC, Air to Ground (traffic) freq 121.100MHz unusable.

RNAV (GNSS) A Rwy 31 (RNAV) is not available from 12 Sep 2019, 0000 UTC to 31 Dec 2020, 2359 UTC.

**SBBR, Pres Ituscelino Kubitschek Intl**

Brasilia, ALS (ALSF-1) Rwy 29L unserviceable. Days and hours: H24. Period: From 05 December 2019, 0000 UTC to 31 December 2020, 2359 UTC.

ALS (MALRS) Rwy 29R unserviceable. Days and hours: H24. Period: From 05 December 2019, 0000 UTC to 31 December 2020, 2359 UTC.

**ILS CAT I Rwy 29R unserviceable from 05 Dec 19, 0000 UTC to 31 Dec 2020, 2359 UTC.**

**ILS V Rwy 11R CAT II (I1R) is not available. PAPI Rwy 29L unserviceable. Days and hours: H24. Period: From 05 December 2019, 0000 UTC to 31 December 2020, 2359 UTC.**
PAPI RWY 29R unserviceable. Days and hours:
H24. Period: From 05 December 2019, 0000 UTC to 31 December 2020, 2359 UTC.

SBCB, Cabo Frio
Cabo Frio, From 01 OCT 2020, 0900 UTC to 01 FEB 2021, 2100UTC maintenance service will take place on sides of RWY 10/28. Eff 01 Oct 20.

SBCF, Tancredo Neves Intl
Belo Horizonte, From 16 July 2020, 0000 UTC to 21 January 2021, 0259 UTC, PAPI Rwy 34 (Right Bar) unserviceable.

SBCH, Chapeco
Chapeco, Due to XPC VOR being unserviceable, VOR/DME Rwy 11 (D11) is not available from 30 Jan 20, 0000 UTC to 10 Oct 20, 2359 UTC.

SBCL, Brig Lysias A Rodrigues
Carolina, All runway lighting facilities unavailable. Effective 0000UTC 5 Dec 2019 to 2359UTC 31 Dec 2021.
From 0000UTC 05 DEC 2019 to 2359UTC 31 DEC 2021, Declared Distance of Rwy 11/29 Modified: RWY 11 TORA 5906'(1800m) TODA 5676'(1730m) ASDA 5906'(1800m) LDA 5906'(1800m) RWY 29 TORA 5906'(1800m) TODA 5906'(1800m) ASDA 5906'(1800m) LDA 5381'(1640m)

SBBD, Bonito
Bonito, RNAV (GNSS) Rwy 18 (R18) is not available from 18 July 19, 0000 UTC until 18 July 29, 2359 UTC.
SIDs DOKMA 1, ISONI 1, KODRI 1 not available for runway 36.
SIDs DOKMA1, ISONI1, KODRH1 not available for runway 18.

SBDO, Dourados
Dourados, SIDs CAV1A and CAV1B are temporarily suspended.

SBEG, Eduardo Gomes Intl
Manaus, Departures RW11/29 KODLU 1A [KODL1A], KODLU 1B [KODL1B] not available effective 05 Dec 2019 0000 UTC until 31 Dec 2022 2359 UTC.
[ILKU1A] ILKUP 1A DEP not available from 0000Z 05 Dec 2019 until 2359Z 31 Dec 2022.
[ILKU1B] ILKUP 1B DEP not available from 0000Z 05 Dec 2019 until 2359Z 31 Dec 2022.

SBLG, Galeao-Antonio Carlos Jobim Intl

SBGR, Guarulhos-Gov Andre Franco Montoro Intl
Sao Paulo, ILS X or LOC X Rwy 27R: Hold at VURAK should read 275 degrees inbound/095 degrees outbound, with right hand turns.
NavData will be updated in Cycle 2010, effective 10 Sep 20.

VOR Rwy 27R: Hold at ANSUG should read 238 degrees inbound/058 degrees outbound, with right hand turns. Hold at VURAK should read 275 degrees inbound/095 degrees outbound, with right hand turns.
VOR Rwy 27L: Hold at VURAK should read 275 degrees inbound/095 degrees outbound, with right hand turns.
NavData will be updated in Cycle 2010, effective 10 Sep 20.

SBGV, Cel. Altino Machado
Governador Valadares, From 27 February 2020, 0000 UTC to 10 September 2020, 2359 UTC, NDB VAL 380 KHz unserviceable.

SBIC, Itacoatiara
Itacoatiara, From 25 APR 2019 0000 UTC until 31 DEC 2021 2359 UTC NDB YTC 320 Khz not usable.

SBIH, Itaituba
Itaituba, Effective to 31 Dec 2022, 2359Z. The first 1017' (310m) of runway 05 closed to landing. The last 1017' (310m) of runway 23 closed to take-off. Declared Distances are as follows:
Rwy 05: TORAd= 5266' (1605m), TODA= 5266' (1605m), LDA= 4249' (1295m)
Rwy 23: TORAd= 4249' (1295m), TODA= 4249' (1295m), LDA= 5266' (1605m)
Effective to 31 Dec 2022, 2359Z. VASIS (AVASI) Rwy 05 are not usable.

SBIP, Usiminas
Santana Do Paraiso, SID PERI1B, VAL Transition not available due to VAL NDB out of service.

SBJI, Ji-Parana
Ji-Parana, Departures RW03/21 RNAV JI0031 - JI0041 - JI0061 - JI0071 suspended until 31 DEC 2022 2359UTC.
RNAV (GNSS) Rwy 03 (R03) is suspended from 05 Dec 19, 0000 UTC to 31 Dec 22, 2359 UTC.

SBLO, Governador Jose Richa
Londrina, [KUDRI1] KUDRI 1A DEP not available from 10 Sep 2020, 0000 UTC till 14 Jul 2021, 2359 UTC. Eff 10 Sep 20.

SBML, Marilia
Marilia, RNAV (GNSS) Rwy 21 is not available in Cycle 2009 NavData. Procedure will be added back in Cycle 2010, effective 10 Sep 20.

SBMN, Ponta Pelada
Manaus, Departure DADA2 not available effective until 31 Dec 2022 2359 UTC.
Departures KODLU 2 [KODLU2], KODLU 3 [KODLU3] not available effective until 31 Dec 2022 2359 UTC.
[ILKUP2] ILKUP 2 and [ILKUP3] ILKUP 3 departures are not available until 31 DEC 2022 2359Z.
SBMO, Zumbi Dos Palmares Intl
Maceia, From 10 October 2019, 0000 UTC to 12 September 2020, 2359 UTC. Threshold Rwy 30 displaced 368’ (112m). Declared distances Rwy 12/30 modified: TORA TODA ASDA LDA Rwy 12: 8169’ (2490M) 8169’ (2490M) 8169’ (2490M); RWY 30: 8169’ (2490M) 8169’ (2490M) 8169’ (2490M).

SBJQ, Alberto Alcolumbre Intl
Macapa, Departures RW08/26 CAMI, LADO, MATI suspended until 31 Dec 2022 2359UTC.

SBNF, Ministro Victor Konder Intl
Navegantes, From 13 Aug 2020, 0000 UTC to 09 Sep 2020, 2359 UTC, firefighting and rescue service hours are 0845-0245 UTC.

SBPA, Salgado Filho Intl
Porto Alegre, Departure VUGE1B: valid from 02 JAN 2020 0000Z until 02 JAN 2021 2359Z, aircraft with flight level in the upper airspace must, after OPKIT, fly directly EGBIP to intercept airway UN657. From 16 Jul 2020, 0245 UTC to 31 Oct 2020, 0900 UTC, RWY 11/29 closed due to works. Days and hours: Mon till Sat, 0245-0900 UTC.

SBPC, Pocos De Caldas
Pocos De Caldas, NDB Rwy 09 (N09) not available from 28 March 19, 0000 UTC to 31 Jan 23, 2359 UTC.

SBPK, Pelotas Intl
Pelotas, Runway 15/33 closed due to runway irregularity. Days and hours: H24 Period: From 20 June 2019, 0000 Z to 30 June 2023, 2359 Z.

SBPS, Porto Seguro

SBQI, Caracarai
Caracarai, RNAV (GNSS) Rwy 04 (R04) and RNAV (GNSS) Rwy 22 (R22) are not available from 10 Oct 19, 0000 UTC through 31 Dec 20, 2359 UTC.

SBRP, Leite Lopes
Ribeirao Preto, Taxi with caution on Alfa Twydue to limited visibility from the tower.

SSBI, Presidente Joao Batista Figueiredo
Sinop, RNAV (GNSS) Rwy 03 (R03) and RNAV (GNSS) Rwy 21 (R21) are not available from 20 Jun 19, 0000 UTC to 31 Dec 20, 2359 UTC.

SBSM, Santa Maria
Santa Maria, From Jul 16, 2020, 0000 UTC to May 03, 2021, 1710 UTC, ALS (ALSF-1) Rwy 11 not usable.

SBTU, Tucuruí
Tucuruí, Landing area lights not available, VASI Rwy 02 and VASI Rwy 20 inoperative from 0000Z 05 Dec 2019 to 2359Z 31 Dec 2021.

COLOMBIA

SKBO, Eldorado Intl
Bogota, Due to the use of a temporary displaced threshold on rwy 31L, the following procedures are suspended: RNP Z Rwy 31L (AR), RNP Y Rwy 31L (AR), RNP X Rwy 31L (AR), RNP Visual Flight Procedures A and B Rwy 31L, ILS Z or LOC Z Rwy 13R, ILS Y or LOC Y Rwy 13R, and ILS X (CAT II and III) Rwy 13R. Temporary procedures RNP W Rwy 31L (AR) and RNP Visual Flight Procedures C and D Rwy 31L are available. Circling procedure VOR A Rwy 31L/31R also in use.

SKPB, Portete
Puerto Bolivar, SIDs RHCTC & CJN1E, waypoint PB901 should be PB006.

GUYANA

SYCJ, Cheddi Jagan Intl
Georgetown, Due to Rwy 06/24 extension works, pilots are to exercise caution when operating into SYCJ. Men and heavy earth moving equipment will be along extended center lines of Rwys 06/24. These operations will be conducted daily on a 24 hr basis. Tower will be in radio contact with site supervisor on Gnd frequency. Rwy 24 and Rwy 06 threshold lights unserviceable; portable lights in use. PAPI lights for Rwy 24 withdrawn due to maintenance.

PARAGUAY

SGES, Guarani Intl
Ciudad Del Este, Departures RW05/23 ALDOS, COSTA, DAGOL, KAMIL, MATEL suspended. AIP SUP A04/C04/2016.

PERU

SPJC, Jorge Chavez Intl
Lima-Callao, The following procedures are revised during the deactivation of SLS VOR: SIDs GAVOX 1F/1G transition SLS suspended. For aircraft joining airway T329, after GAVOX wait for revised routing via vectors. SID ITAVU 1F after TOGSU, proceed direct to ITAVU and continue on assigned transition. SID ITAVU 1G climb on Runway track to 500’, turn left heading 230, initial climb to 3000’ until 12 DME JCL VOR, then direct TOGSU, direct ITAVU and continue on authorized transition. SLS VOR duration of deactivation will be promulgated by NOTAM. The following procedures are revised during the deactivation of SLS VOR: STAR KOMGO2 use SLS VOR GNSS distance as reference. STAR SLS6 suspended. Wait for vectors to KALAR and proceed according to ATC instructions. SLS VOR duration of deactivation will be promulgated by NOTAM.
SPRU, Cap Carlos Martinez De Pinillos

Trujillo, During periods where TRU VOR/DME is out of service per State NOTAMs, the following applies:
Only the following approach procedures will be available:

ILS RWY 02: Aircraft bound for Trujillo via AWY V1/UV1/G675 will use distance information from GNSS and/or DME using ILS/DME IMDP 109.7 MHz. Aircraft bound for Trujillo via AWY UM542, will use the STAR RNAV VUGAL 1 to IREPO and continue ILS Rwy 02. IREPO is located on the LOC centerline at 11.8 DME IMDP. IREPO holding pattern outbound leg terminates at 17 DME IMDP or 1 minute. RNAV (RNP) Rwy 20: Available only to operators with RNP AR approval for aircraft and crew.

The following instrument approach procedures are suspended: VOR Rwy 02, VOR A, VOR B

SID's RELUN 1F, VATES 2F, ESMIL 1B suspended while Trujillo (TRU) VOR is out of service. The start and end dates of the temporary suspension shall be communicated through NOTAM messages.

STAR's RELUN 1A and VATES 2A suspended while Trujillo (TRU) VOR is out of service. The start and end dates of the temporary suspension shall be communicated through NOTAM messages.