



Adequate and Timely Information Basis for Safety and Efficiency

Rio de Janeiro, Brazil - 19 May 2016

Presented by:

Safety and Flight Operations - IATA

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IATA Summary

- Trade association of airlines with worldwide coverage
- 260 passenger and cargo Airlines
- 83% of world traffic
- 66 offices in 5 continents
- IATA annual turnover: \$ 387Bilhões revenue for airlines.
- Brazil in 2014:
 - Billing and Settlement Plan PAX (BSP): \$ 6.6B.
 - Cargo Accounts Settlement Systems (CASS): \$ 213M



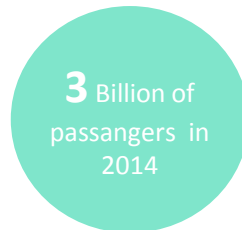
Air Transport - the DRIVING FORCE IN THE WORLD ECONOMY

➤ **3.4%** of the World GDP

➤ If aviation were a country, it would be the **19th** world economy

➤ Economic Impact: **USD2.4** Trillion

➤ Employment: **58** Million

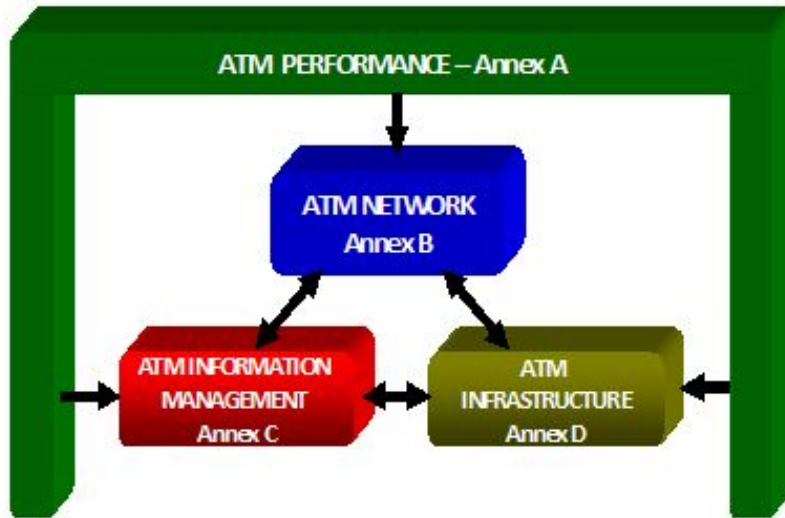


Source: Oxford Economics_Economic Benefits of Aviation from Air Transport

Aviation Economic Benefits - Brazil

- Brazil the seventh global economic power
- Brazil is the world's fourth largest domestic traffic in 2014









LATAM/CAR RCG

Sub-groups	Priority	Issues
Sub-group 3: AIS/AIM	High	Obstacles charts
	Medium	AIRAC offcycle
	High	Airport safety bulletins



A0751/16 NOTAMN
Q) EBBU/QFALC/IV/NBO/A
/000/999/5054N00429E005
A) EBBR B) 1603220700 C)
1603221000EST
E) EBBR AD CLSD

cotidiano

aedes rio t

Chuva deixa pista de pouso de Cumbica sem luz e afeta voos

MARTHA ALVES
DE SÃO PAULO

11/03/2016 © 02h31 - Atualizado em 02h02

COMPARTILHE



f Compartilhar     < 128  OUVIR O TEXTO  Mais opções



- NOTAM was issued during the night and removed at sunrise
- No NOTAM available during the daylight operations. Uncertainty regarding the operations of the airport until 40 minutes to sunset.



Obstacles charts x ETOD

CHAPTER 3. AERODROME OBSTACLE CHART — ICAO TYPE A (OPERATING LIMITATIONS)

3.1 Function

This chart, in combination with the relevant information published in the AIP, shall provide the data necessary to enable an operator to comply with the operating limitations of Annex 6, Part I, Chapter 5, and Part III, Section II, Chapter 3.

ANNEX 6 – part I - Chapter 5

Aeroplane Performance Operating Limitations

DIMENSIONES Y ELEVACIONES EN METROS

PLANO DE OBSTÁCULOS DE AERÓDROMO - OACI
TIPO A (LIMITACIONES DE UTILIZACION)

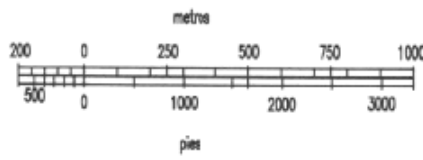
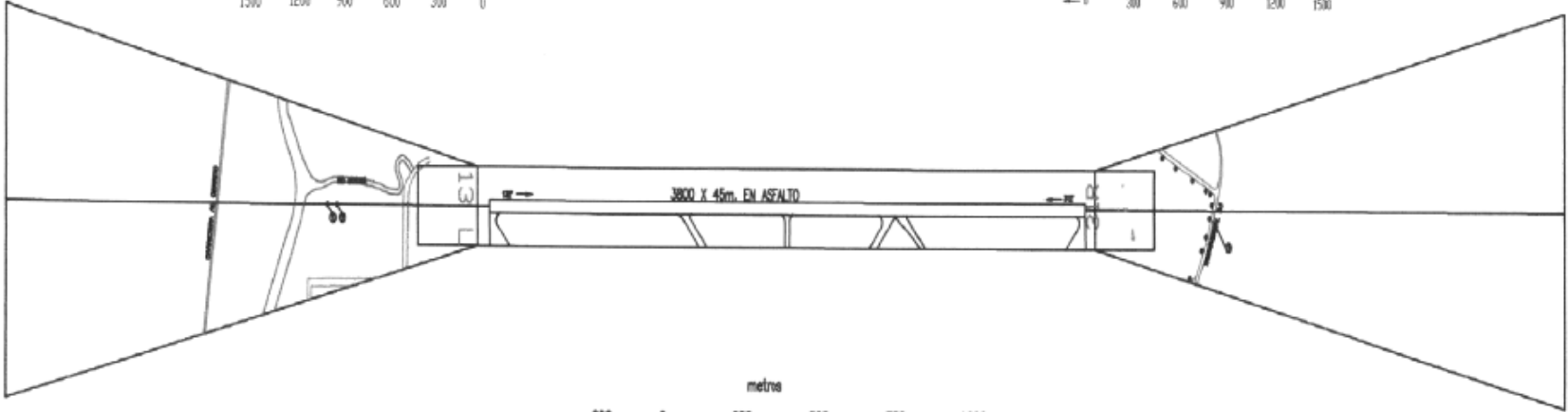
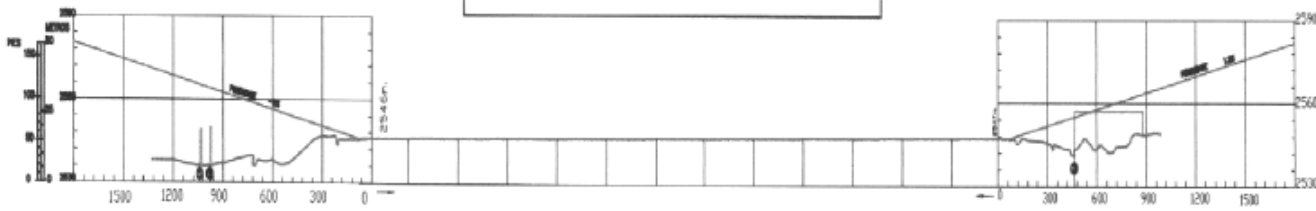
BOGOTÁ / EL DORADO

DECLINACIÓN MAGNÉTICA 5°32'W/2005

RWY 13L / 31R

DISTANCIAS DECLARADAS		
RWY 13L		RWY 31R
3800	RECORRIDO DE REPERE DISPONIBLE	3800
3800	DISTANCIA DE REPERE DISPONIBLE	3800
3800	DISTANCIA ACELERACION - PARADA DISPONIBLE	3800
3800	DISTANCIA DE AERODIAGE DISPONIBLE	3800

CLAVE	
NÚMERO DE IDENTIFICACION	①
POSTE, TORRE, CAMPESINO, AVION, ETC.	●
EDIFICIO O ESTRUCTURA GRANDE	■
FERROCARRIL	+++
CURVA DE NIVEL DEL TERRENO	~



REGISTRO DE CAMBIOS		
NUM.	FECHA	ANOTACIONES

AD 2 - SKBO - AOC 1
22 DEC 05

Bogotá - 22 DEC 2005

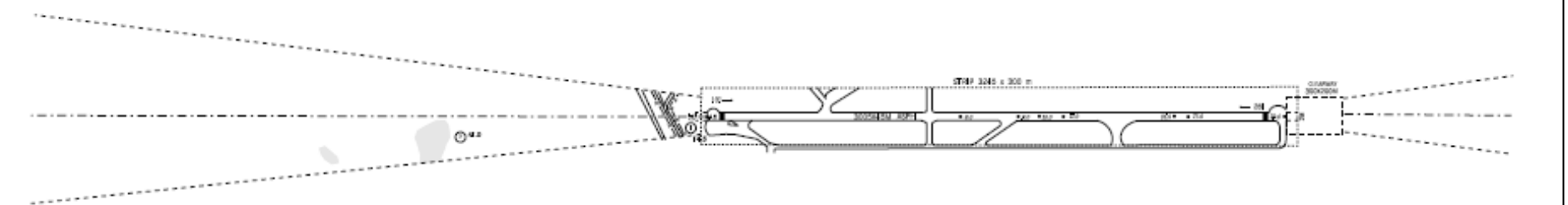
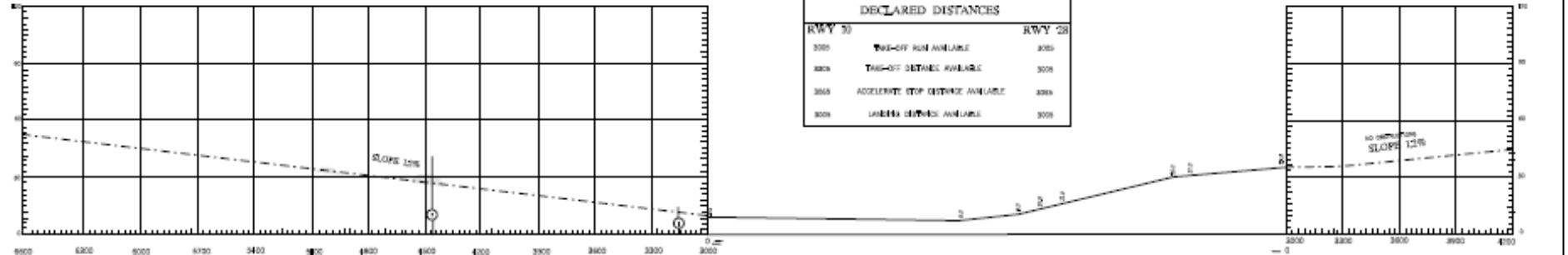
SALVADOR/Dep. León Eduardo Magallanes, Intl

UNIMAP 1000

TYPE A (OPERATING LIMITATIONS)

AD 2 SBSV A
28 JUN 12

DECLARED DISTANCES		
RWY 20		RWY 28
3000	TRE-OFF RUN AVAILABLE	3000
3000	TRE-OFF DISTANCE AVAILABLE	3000
3000	ACCELERATE STOP DISTANCE AVAILABLE	3000
3000	LANDING DISTANCE AVAILABLE	3000



HORIZONTAL SCALE 1:25,000

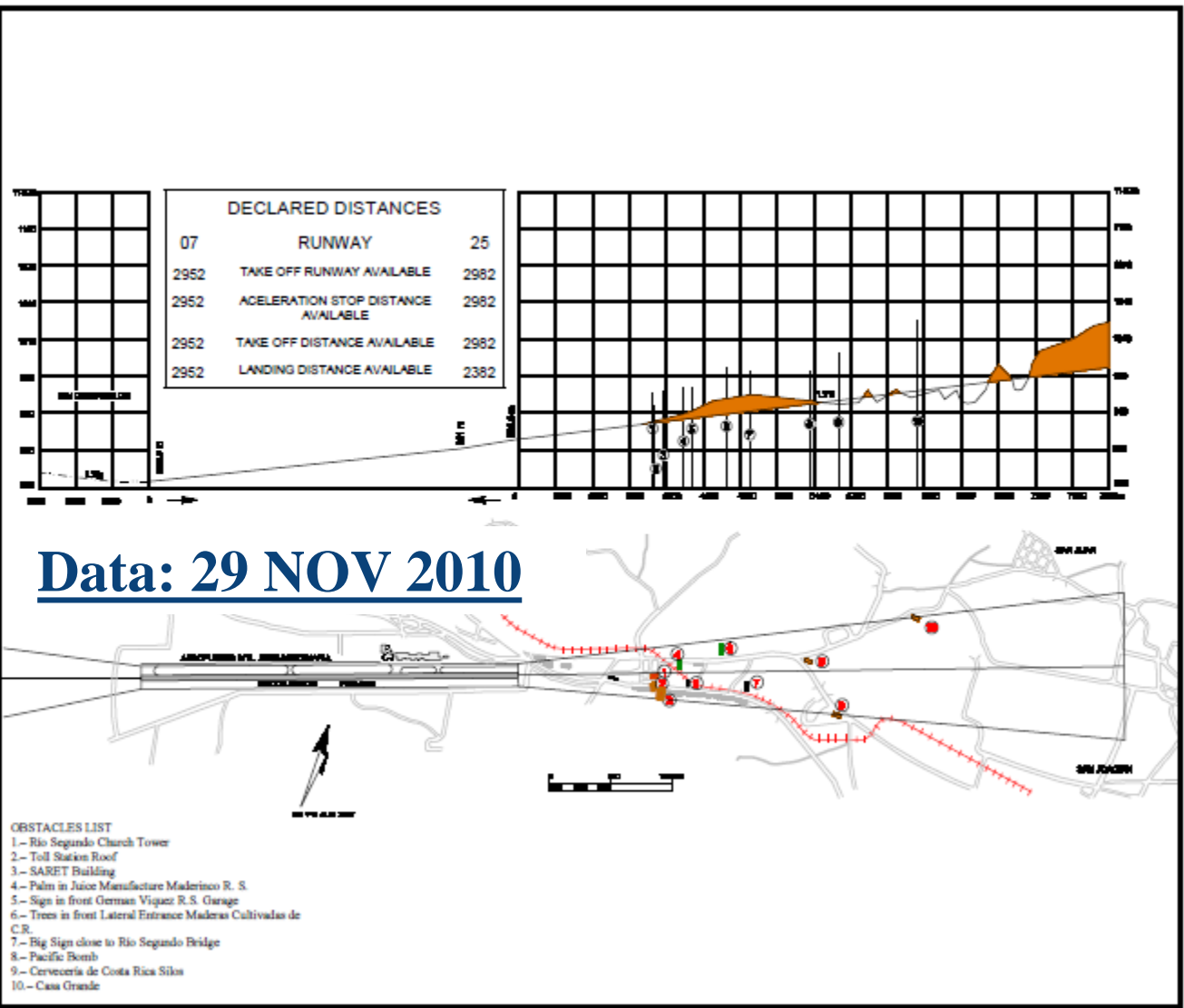


⊙	
*	
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UNIMAP 1000	
10	10000
10	10000

UNIMAP 1000

AD 2 SBSV A





Argentina

ICAO Code	Name	Last Known Update Date	Last Known Update Year
SABE	Jorge Newbery Airport	7-Jan-16	2016
SAZS	Bariloche International Airport	7-Jan-16	2016
SACO	Pajas Blancas Airport	30-Apr-15	2015
SAVC	Comodoro Rivadavia Airport	30-Apr-15	2015
SAEZ	Ezeiza Ministro Pistarini Airport	30-Apr-15	2015
SADF	San Fernando Airport	7-Jan-16	2016
SARF	El Pucu Airport	30-Apr-15	2015
SARI	Cataratas Airport	7-Jan-16	2016
SASJ	El Cadillal Airport	30-Apr-15	2015
SAZM	Mar Del Plata Airport	7-Jan-16	2016
SAME	El Plumerillo Airport	7-Jan-16	2016
SARP	Posadas Airport	30-Apr-15	2015
SARE	Resistencia Airport	30-Apr-15	2015
SAWE	Rio Grande Airport	30-Apr-15	2015
SAWG	Rio Gallegos International Airport	30-Apr-15	2015
SASA	Gen Belgrano Airport	30-Apr-15	2015
SANT	Benj Matienzo Airport	7-Jan-16	2016



Safety Bulletins

- There is no guarantee that all stakeholders receive the information
- There is no Information Quality Assurance
- There is no standard information/format
- Annex 15/Doc 8126 x Annex 19/Doc 9859

Safety Bulletins

“Type 1” - does not require aeronautical publication. Normally involving safety at apron or other issues mentioned in the Annex 15 item 5.1.1.3 (“information shall not be notified by NOTAM”)

		Safety Bulletin 12JAN2016	
See official charts AOC / PDC1 / PDC 2 www.aisweb.aer.mil.br			
SBBR / BSB Brasília International Airport / Presidente Juscelino Kubitschek			
Pátio 1 Apron 1		Em vigor desde 12 JAN 2016 valid since 12 JAN 2016	
MAX SPAN 36 M			
Põeção Interditada Stand Closed			
WIP Obras Work In Progress			
CAUTION			
42 43 45 46 Operação Noturna com Iluminação provisória (Torres de Iluminação móveis) Nighttime operations with temporary illumination (portable light towers)			
Ingresso recobrado poderá ser solicitado pelo Operador do Aeroporto. *Towed into the gate* can be requested from Airport Operator.			
Pistas de Taxi Interditadas: TWY L8 BTN TWY R & Stand 28 DUE TO W.I.P. Closed Taxiways:			
Voos Internacionais ANY MAX Posição 1: B753 / 2: B767 / 3: B744 / 4: B744 International flights ACFT MAX Stand 1: B753 / 2: B764 / 3: B744 / 4: B744			
<small>MODIFICAÇÕES / CHANGES: WIP AREA / STAND CLSD / NIGHTTIME OPS / TWY CLSD</small>			
<small>Solicitação do Boletim de Segurança Operacional Safety Bulletin request: asoc@infamerica.aero</small>			

ALERTA DE SEGURANÇA OPERACIONAL - ASO		
	NÚMERO: 05/2016	DATA: 29/03/2016
	OPERAÇÃO ENVOLVIDA: LADO AR	
ASSUNTO: MANOBRAS DE MARCHA À RÉ DENTRO DA ÁREA DE SEGURANÇA DA AERONAVE		
APLICABILIDADE: COMUNIDADE AEROPORTUÁRIA		EFETIVIDADE: 21/03/2016
MANOBRAS DE MARCHA À RÉ		
ATENÇÃO COMUNIDADE AEROPORTUÁRIA		
TODA MOVIMENTAÇÃO DE VEÍCULOS ENVOLVENDO MANOBRAS DE MARCHA À RÉ, DENTRO DA ÁREA DE SEGURANÇA DA AERONAVE, DEVE SER REALIZADA COM MÁXIMA ATENÇÃO AO PROCEDIMENTO DE SEGURANÇA.		
	PROCEDIMENTO DE SEGURANÇA É PROIBIDA a movimentação de veículos em marcha à ré dentro da área de segurança da aeronave estacionada, SEM O ACOMPANHAMENTO E ORIENTAÇÃO DE OUTRO PROFISSIONAL DA EQUIPE de suporte na rampa para fins de balizamento do veículo. <small>Referência: MOPS Cap. 4, Item 4.5.8 – Movimentação de veículos nas proximidades das aeronaves.</small>	
ÁREA DE SEGURANÇA DA AERONAVE Área delimitada e sinalizada ao redor da posição de estacionamento de aeronave que visa reduzir o risco de danos a aeronaves durante a operação de rampa.		
<small>CASO SEJA IDENTIFICADO QUALQUER PERIGO NA OPERAÇÃO, POR FAVOR, ENTRE EM CONTATO COM A GERÊNCIA DE SEGURANÇA OPERACIONAL POR E-MAIL OU TELEFONE: SAFETY@GOL.COM.BR/ TEL.: (55) 11 2445-3532/4342</small>		
EVITE ACIDENTES – RESPEITE AS REGRAS DE SEGURANÇA GERÊNCIA DE SEGURANÇA OPERACIONAL		

Safety Bulletins

Type 2 – Require aeronautical publication and the publication was issued. The safety bulletin is an additional source of information.

ALERTA DE SEGURANÇA OPERACIONAL - ASO

GRUPO AIRPORT



NÚMERO: 07/2015

DATA: 21/01/2015

OPERAÇÃO ENVOLVIDA: LADO AR

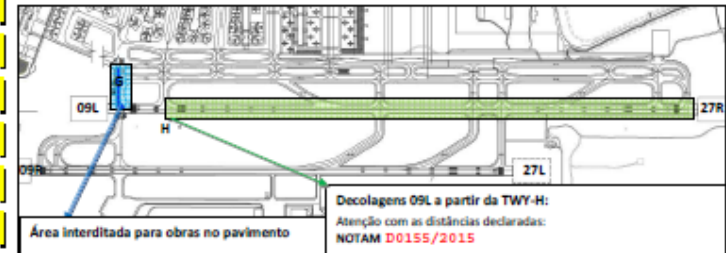
ASSUNTO: DECOLAGENS A PARTIR DA TWY-H DEVIDO OBRAS NA TWY-G

APLICABILIDADE: TODOS OS OPERADORES AÉREOS

EFETIVIDADE: 21/01/2015

DECOLAGENS RWY09L A PARTIR DA TWY-H

ATENÇÃO: Devido obras no pavimento da TWY-G e RWY 09L, as decolagens por essa cabeceira serão realizadas a partir da TWY-H.



NOTAM
D0155/2015

II	21/01/15 03.00
C	28/01/15 20.00
D	JAN 21 TIL 24 JAN 27 TIL 28 0300-2000
E	DIST. DECLARADAS RWY 09L/27R MODIFICADAS PARA: TORA TODA AIDA LDA RWY 09L 3400M 3400M 3400M 3270M RWY 27R 3050M 3050M 3110M 3110M

NOTAM
D0157/2015

II	21/01/15 20.01
C	02/04/15 23.59
D	JAN 21/22 TIL 23/24 JAN 27/28 0201-0259 JAN 24 0001 TIL JAN 27 0259 JAN 28 0001 TIL APR 03 2359
E	DIST. DECLARADAS RWY 09L/27R MODIFICADAS PARA: TORA TODA AIDA LDA RWY 09L 3700M 3700M 3740M 3610M RWY 27R 3400M 3400M 3520M 3640M


CASO SEJA IDENTIFICADO QUALQUER PERIGO NA OPERAÇÃO, POR FAVOR, ENTRE EM CONTATO COM A GERÊNCIA DE SEGURANÇA OPERACIONAL
POR E-MAIL OU TELEFONE: SAFETY@GRU.COM.BR/TEL.: (55) 11 2445.4666/ 4242/ 3533

EVITE ACIDENTES – RESPEITE AS BOMAS DE SEGURANÇA
GERÊNCIA DE SEGURANÇA OPERACIONAL

Safety Bulletins

Type 3 – requires aeronautical publication and the publication was not made.

OPERATIONAL SAFETY ALERT - OSA

NUMBER: 13/2015 DATE: 29/06/2015 OPERATION REGARDED: AIRSIDE

SUBJECT: ILS CAT IIIa - STANDARD ROUTES

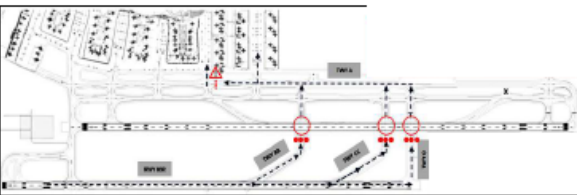
ANNEX: 01 - LANDING RWY 09R

APPLICABILITY: AIRLINES AND ATC

EFFECTIVENESS: 29/06/2015

ILS CAT IIIa - STANDARD ROUTES

LANDING RWY 09R



LEGEND

→ Standard route

○ Hot Spot

--- Intermediate position of waiting

▲ Follow me

●●● Stop bar

COLLISION RISK POINT - HOT SPOTS

HS 1: Leaving the RWY 09R by TWY Bb, at the intersection with RWY 09L;

HS 2: Leaving the RWY 09R by TWY Cc, at the intersection with RWY 09L;

HS 3: Leaving the RWY 09R by TWY D, at the intersection with RWY 09L.


STANDARD ROUTES:

ROUTE 1 - After landing on RWY 09L, the aircraft will enter at TWY 05, crossing the RWY 05L, enter at TWY L, then at TWY A to reach at the aprons 8 and 5.

ROUTE 2 - After landing on RWY 09L, the aircraft will enter at TWY CC, crossing the RWY 09L, enter at TWY B, then at TWY A to reach at the aprons 8 and 5.

ROUTE 3 - After landing on RWY 09L, the aircraft will enter the TWY O, cross the RWY 09L, will continue on TWY O, then at TWY A to reach at the aprons 8 and 5.

OPERATIONAL SAFETY ALERT - OSA

NUMBER: 13/2015 DATE: 29/06/2015 OPERATION REGARDED: AIRSIDE

SUBJECT: ILS CAT IIIa - STANDARD ROUTES

EFFECTIVENESS: 29/06/2015

ILS CAT IIIa - STANDARD ROUTES

CAUTION

The São Paulo International Airport (SBGR) received certification for ILS CAT IIIa operation. In this context, the Surface Movement Guidance and Control Systems (SMGCS), aims to describe the procedures for safe operation, especially when in Low Visibility. In the most restrictive phase of operation in low visibility, called PHASE II, when the airport will operate with visibility below 400 meters, standard routes will be adopted to be followed by the aircrafts. These routes will be published by the Aeronautical Cartography Institute, through AGMC chart (Aerodrome Ground Movement Chart).

With the intention to start the CAT IIIa operations at SBGR before the publication of the charts, this Safety Alert was issued to inform the routes to be taken by the aircraft with RVR less than 400 meters. In addition to the standard routes, aircraft destined to apron 1, 2, 3, 4, 7 and 12, should be guided by FOLLOW ME, from the intersection of TWY A with TWY J.

STAGES OF PROCEDURE AND OPERATIONAL RESTRICTIONS IN LOW VISIBILITY		
OPERATION	RVR	RESTRICTIONS
NORMAL OPERATION	>800 m	No restrictions.
PHASE PREPARATION	<800 to 550 m	No restrictions.
PHASE I	<550m to 400 m	Limited movement of aircraft only by continuous lines of the aprons.
PHASE II	<400m to 200m	Limited to one aircraft in movement in ground on aerodrome movement area.



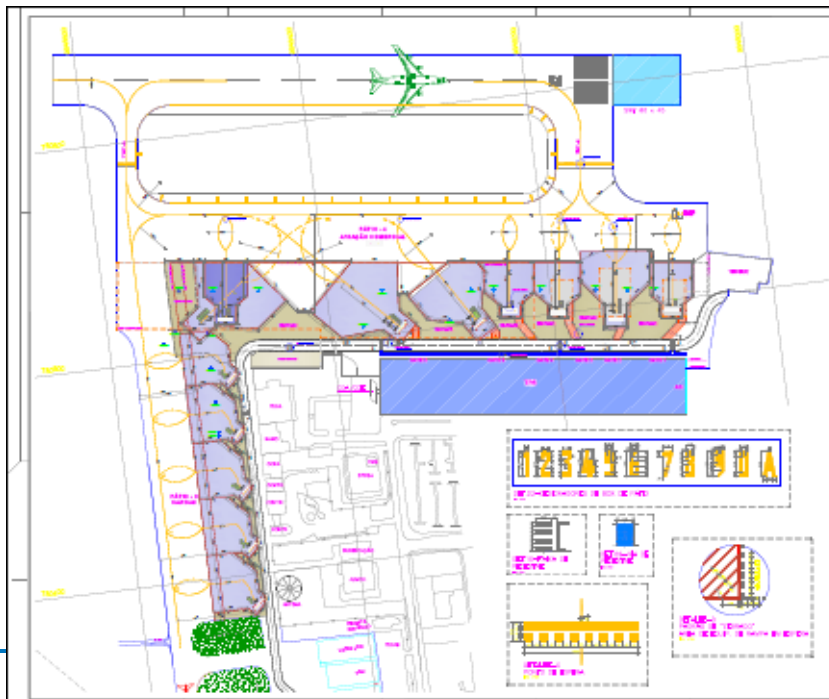
Why Safety Bulletins?

- Dissemination of Safety (Doc 9859)? Is it always a “real” safety enabler?
- To “fix” limitations of NOTAM? Graphs?
- Delay on Regular Aeronautical Publication?
 - 20 day is reasonable to issue a NOTAM?
 - How many days is reasonable to publish a AIP SUP or AIP Amendment?
 - What is the proper amount of bureaucracy in publishing Aeronautical Information?
- Paperless would help in using the regular aeronautical publication?

ADC/PDC and Airport Information

➤ Belem

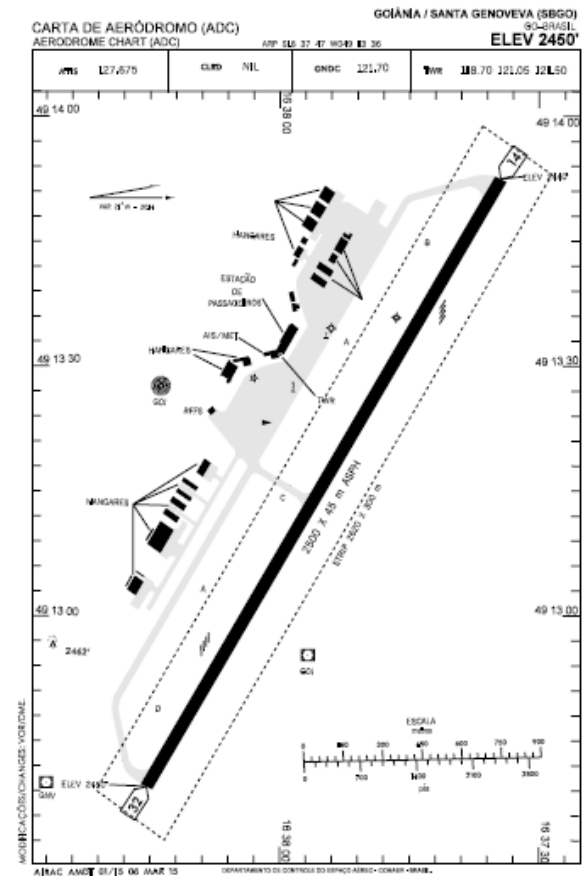
- Info sent to Airport Regulator: 30 Sep 2015



ADC/PDC and Airport Information

➤ Goiania

- Usual Situation
- Start of Operations: 21 May
- Safety Bulletin?



ADC/PDC and Airport Information

➤ Guarulhos

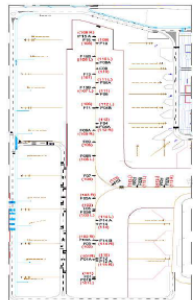
- Priority?
- 4 Safety Bulletins
- Start of Operations: 16 Nov 15

ALERTA DE SEGURANÇA OPERACIONAL - ASO

GRUPO AIRPORT	NÚMERO: 23/2015	DATA: 06/11/2015	OPERAÇÃO ENVOLVIDA: LADO AR
GRUPO SAFETY	ASSUNTO: NOVA NOMENCLATURA NO PÁTIO 1		
	APLICABILIDADE: OPERAÇÕES AÉREAS/OPERADORES AÉREOS/ESATAS		
	EFETIVIDADE: 06/11/2015		

NOVA NOMENCLATURA NO PÁTIO 1

PÁTIO 1 (F)		PÁTIO 1 (F)	
ATUAL	NOVO	ATUAL	NOVO
F-01B	101L	F-06A	110L
F-01	101	F-06	110
F-01A	101R	F-06A	110L
F-03	102	F-06	110L
F-03A	102R	F-06	111
F-05B	105R	F-06B	112L
F-05	105	F-04	112
F-05A	105R	F-04A	112R
F-07	104	F-02	113
F-09B	105L	F-02A	113L
F-09	105	F-02A	113R
F-09A	105R	F-14A	114L
F-11	106	F-14	114
F-13B	107L	F-14B	114R
F-13	107	F-12	115
F-15B	108L	F-12A	115L
F-15	108	F-12B	115R
F-15A	108R		



INFORMAMOS QUE A NOMENCLATURA NO PÁTIO DE ESTACIONAMENTO Nº 1 (F) FOI ALTERADA PARA UM NOVO PADRÃO. A REALIZAÇÃO DOS SERVIÇOS JÁ FOI CONCLUÍDA. CONFIRA A CORRELAÇÃO ATUAL E AS NOVAS NOMENCLATURAS, JÁ IMPLEMENTADAS, NA TABELA ACIMA.

IMPORTANTE: FIQUE ATENTO AS INSTRUÇÕES DA TORRE DE CONTROLE

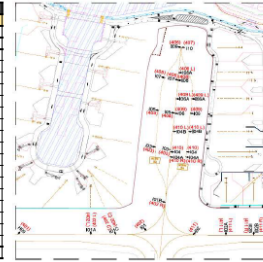
NOTA: ESTE ALERTA ESTARÁ EM VIGOR ATÉ A PUBLICAÇÃO A UMA NOVA CARTA PDC DO AERODROMO SBGR.

ALERTA DE SEGURANÇA OPERACIONAL - ASO

GRUPO AIRPORT	NÚMERO: 20/2015	DATA: 06/11/2015	OPERAÇÃO ENVOLVIDA: LADO AR
GRUPO SAFETY	ASSUNTO: NOVA NOMENCLATURA NO PÁTIO 4		
	APLICABILIDADE: OPERAÇÕES AÉREAS/OPERADORES AÉREOS/ESATAS		
	EFETIVIDADE: 06/11/2015		

NOVA NOMENCLATURA NO PÁTIO 4

PÁTIO 4 (I)	
ATUAL	NOVO
H-00	401
I-01A	402
I-01C	402C
I-01	402
I-01B	402R
I-03	403
I-05	404
I-07	405
I-09	406
I-10	407
I-08A	408L
I-08	408
I-05A	409L
I-06	409
I-04B	410L
I-04	410
I-04A	410R
I-02	411
I-02A	411L
I-02AB	411R



INFORMAMOS QUE A NOMENCLATURA NO PÁTIO DE ESTACIONAMENTO Nº 4 (I) SERÁ ALTERADA PARA UM NOVO PADRÃO. ESTIMA-SE REALIZAÇÃO DOS SERVIÇOS NO PERÍODO DE 28 A 30/11/2015. CONFIRA A CORRELAÇÃO ATUAL E AS NOVAS NOMENCLATURAS, EM PROCESSO DE IMPLEMENTAÇÃO, NA TABELA ACIMA.

IMPORTANTE: FIQUE ATENTO AS INSTRUÇÕES DA TORRE DE CONTROLE

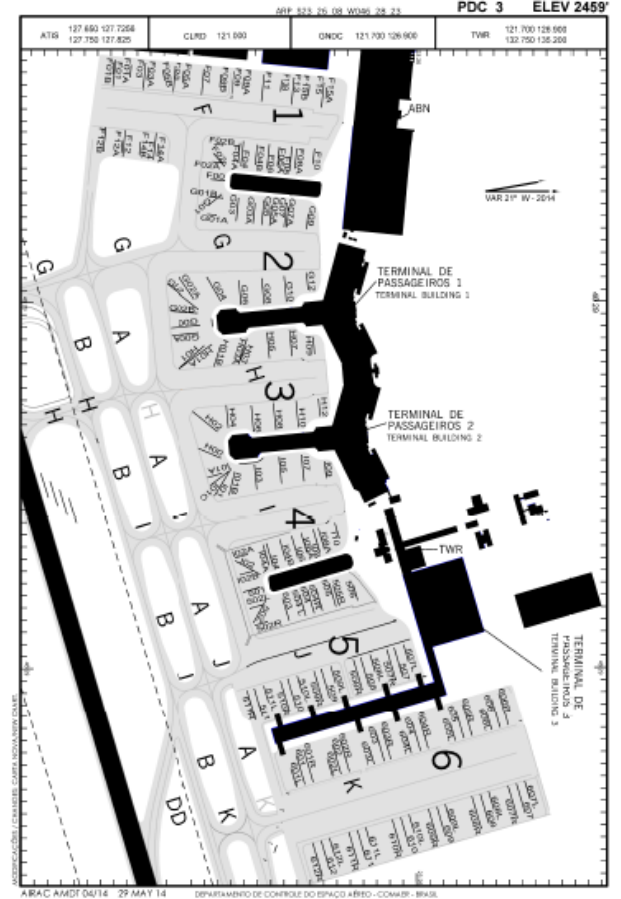
NOTA: ESTE ALERTA ESTARÁ EM VIGOR ATÉ A PUBLICAÇÃO A UMA NOVA CARTA PDC DO AERODROMO SBGR.

CADASTRO E ENTREGA DE QUALQUER PERÍODO NA OPERAÇÃO, POR FAVOR, ENTRE EM CONTATO COM A GERÊNCIA DE SEGURANÇA OPERACIONAL POR E-MAIL OU TELEFONE: safety@sbgr.com.br TEL: (11) 3445-4047/4207-3320

EVITE PONTUALIDADE EM CASOS DE EMERGÊNCIA

EVITE PONTUALIDADE EM CASOS DE EMERGÊNCIA

CARTA DE ESTACIONAMENTO (PDC) SÃO PAULO / Guarulhos - Gov André Franco Montoro, INTL (SBGR) - SP-BRASIL
PARKING CHART (PDC)



Thank You



Questions?

Safety and Flight Operations - IATA São Paulo
pereiraj@iata.org