

Human Factors and Educatonal Actions on Brazilian General Aviation

BGAST – Brazilian General Aviation Safety Team CRM and Educational Actions Subgroup

December 15th and 16th









Agenda

- BGAST and our Subgroup;
- Educational Actions Historic;
- Human factors in the Brazilian Pilot Training;
- Future human factors actions on the RBAC 141.







BGAST

- Since 2013 from ANAC's PSOE structure;
- PSAC's and Stakeholders with the Agency;
- 4 subgroups LOC-I, SCF-PP, CRM and Sub-regional Aviation;
- 8 Safety Enhancement's published in the last years.

(ANAC, 2022)







CRM and Educational Actions Subgroup

- Since 2018 as Workgroup and then a Subgroup;
- Occurences envolving Aerounautical Decision Making as contributing factors;
- Two Safety Enhancements Emergency Declaration and Threat Briefing.









PR-MJW – C152 – 31 JUL 16 RBAC 141

PT-LTJ – C550 – 14 NOV 19 RBAC 91

(CENIPA, 2022







Educational Actions Historic

Educational
Actions Subgroup
is created

The idea of bringing CRM to Flight Schools

First data presented in BGAST

Regulatory change proposed

Subgroup switches to CRM and Educational Actions

Safety Enhancement proposed

March 2017

June 2017

June 2018

September 2018

November 2018

March 2019

Subgroup composition changes

Project scope begins to be defined

Search for Flight
Schools that wanted
the project

Human Factors Program for Flight Schools is presented in BGAST Human Factors Program is initiated in the first flight school

June 2021

November 2021

March 2022

June 2022

September 2022

(BGAST, 2022)







Human Factors in the Brazilian Pilot Training

What does the regulation say? Using the IS 141-007A

- Development of Decision-making and Judgement skills;
- Practice and development of CRM and Standardization skills;
- Instruction Programs covering **Threat and Error Management TEM** topics, the 6th Generation of CRM.

(ANAC, 2020)

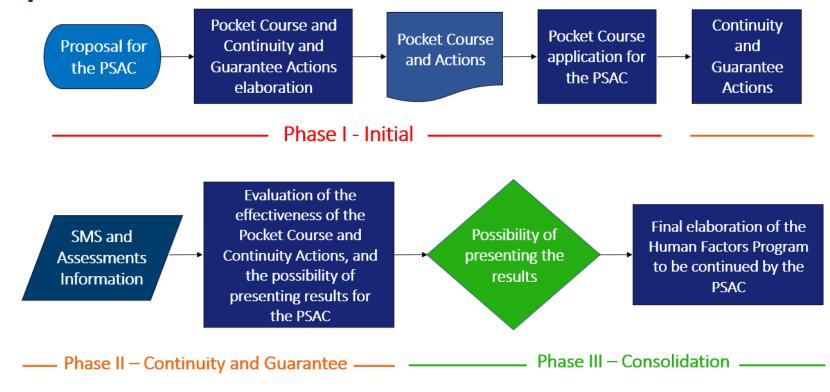






Human Factors in the Brazilian Pilot Training

The concept



(BGAST, 2022)







Human Factors in the Brazilian Pilot Training The application

- Previous meeting with the SMS of the Flight School;
- 1st Flight School Aeroclube de Bragança Paulista in September 30th;
- 8 hours of course duration, the whole flight school personnel mobilized;
- 3 modules presented History of Human Factors, Human Factors models, topics and tools, 2 Workshops for real practice;
- Positive feedback from the Flight School.

(ANAC, 2020)







Human Factors in the Brazilian Pilot Training

The application











Future of Human Factors on RBAC 141

- Subgroup now working for the Phase II of the Human Factors Program on the 1st
 Flight School and searching more Flight Schools to Join the Program;
- Production of a study case for the implementation of Human Factors and Basic Safety concepts in the Private and Commercial Pilot Training Programs in Brazil;
- Subgroup working in 3 more Safety Enhancements for the Brazilian General Aviation.







Is about The Backstage Work...





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Thanks!

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