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Annual Safety Conference 2022

EASA Airport Safety & Environmental Sustainability through Innovation
European Airport Perspective

Prague Airport
Safety Management System

Jiri Pos
CEO
1. Prague Airport Introduction

2. EASA ‘Aerodromes’ Regulation Implementation at PRG

3. Prague Airport Safety Management System
PRAGUE AIRPORT INTRODUCTION

- Excellent location in the centre of Europe
- Strong potential of Prague and the Czech Republic (over 9 mil tourists to Prague according to Euromonitor)
- 17.8 mil passengers in 2019

- 4 terminals (T1 & T2 for commercial passenger flights)
- Fly via Prague product for self-connecting passengers
- Annual CARGO capacity potential of 200 000 t

DRIVING TIME FROM PRAGUE
- DRESDEN 2:00
- NUREMBERG 3:30
- BERLIN 4:00
- WROCLAW 4:00
- SALZBURG 4:30
• 150 DESTINATIONS (75% OF 2019)
• 60 CARRIERS (66%)
• 10.7 MIO PAX EXPECTED (60%)
• 11 km distance from the downtown
• 17.8 million PAX in 2019
• 155k MVTS in 2019
• 46 MVT/hour of declared capacity
• RWY 06/24: 3,715 x 45 m
• RWY 12/30: 3,250 x 45 m
• RWY 24 CAT III B
• 4 PAX TERMINALS
• 2 cargo terminals
• 5 APRONS
• 90 aircraft parking stands
• A380 compatible
• Reaching higher standardization of PRG airport in 2017

• Evolution from ICAO Annex 14 / national regulation to EASA (Regulation (EU) No 139/2014)
  • Involvement in consultation
  • Flexibility
  • Sharing best practices
  • Reinforcement of responsibilities
EASA IMPLEMENTATION AT PRG

CERTIFICATION CHALLENGES

• Infrastructure
  • Identified 17 deviations to CSs (DAAD)
  • Broken up to 93 items to be improved
  • 73 (78%) finished and compliant
  • 21 (22%) in progress

• Procedures
  • Change management
  • Compliance monitoring
  • Training
• Permanent and proactive Communication at all levels:
  • AOs
  • CAAs
  • EASA
  • Other stakeholders involved

• On:
  • Common understanding
  • Effective implementation
  • Sharing best practices
  • Balanced approach
SAFETY MANAGEMENT SYSTEM PRG

3.1

- Established 2007
- Based on ICAO Annex 19 and ICAO Safety Management Manual

- All 4 pillars implemented and compliant:
  - Safety policy and objectives
  - Safety Risk Management
  - Safety Assurance
  - Safety Promotion

- Additional activities
  - Data driven SMS
  - Safety benchmarking with cooperating airports
  - Sharing best practices through ACI Europe and ACI World
  - Safety II
MAKING AIRPORT SAFE TOGETHER

3.2

SAFETY TEAMS

Safety Teams

Runway FOD walk
SAFETY IS EVERYONE’S BUSINESS

Safety Bus

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3.3
SAFETY BENCHMARKING GROUP

Voluntary group promoting aviation safety at 18 EU member airports through benchmarking and openly sharing harmonized Safety Performance Indicators.

- Aircraft fuel spills
- Damage to aircraft
- Wildlife strikes
- FOD on runway
- Near misses
- Runway incursions
- Runway excursions

Voluntary partnership for the sharing and analysis of Safety data.
Outputs: blind benchmarking, studies, vulnerability discovery.
Prague Airport applied in 2022.
All EU Aviation stakeholders are encouraged to join.
For the period from January to November in 2021 and 2022

6 most important Lagging SPIs out of total 35 are monitored by the Safety review Board. Indicators influenced by nonstandard operations and traffic levels.

**Occurencies / 10,000 MVT**

- **2021**
- **2022**
- **EU 2022**

**SAFR = Safety recommendation**

Date of last run: November 02, 2022
Safety is usually defined as a state where **as few things as possible go wrong**. Humans are viewed predominantly as a liability or hazard.\(^{(\text{Safety – I})}\).

**Safety-II** aims at ‘as many things as possible go right’ and relates to the system’s ability to succeed under varying conditions.

Humans are consequently seen as a resource. The system must be designed to allow humans to be flexible and resilient and to handle unexpected events.

"By combining both ways of thinking, we move SMS of PRG toward Safety II and make the airport Safety more resilient."
LET’S MAKE THE AIRPORT SAFE TOGETHER

Just well-set, communicated, understood and properly implemented procedures may contribute to high and uniform level of safety.