

International Civil Aviation Organization ICAO South American Regional Office

Fifteenth Meeting of the Civil Aviation Authorities of the SAM Region (RAAC/15)

(Asuncion, Paraguay, 4 – 6 December 2017)

Agenda Item 4: Follow up to the implementation of safety and air navigation regional priorities

COLLABORATIVE AERDROME SAFETY HOTSPOTS (CASH)

(Presented by France)

SUMMARY

The CASH (Collaborative Aerodrome Safety Hotspots) trial aims at drawing attention of commercial and general aviation pilots to the aeronautical context and main specific threats related to an aerodrome. Identification of these threats is the product of a collaborative work between operators on the platform (airline operators, air navigation service providers, aerodrom operators, Leur identification est issue d'un travail collaboratif entre opérateurs de la plate-forme (exploitants aériens, exploitant de l'aérodrome, prestataire de service de navigation aérienne, aeroclubs, french meteorological service provider...) by analyzing and comparing data from their safety management system.

ICAO Strategic	A: Safety
Objectives:	

1. Introduction

- 1.1 Most airports have specific threats which are known by the different airport stakeholders: airport operator, Air Navigation Service Provider, based or frequent flyer airlines, weather services and general aviation. These insiders represent together a valuable amount of information and experience. The information is indicated in the Aeronautical Information Publication but it can be not sufficiently visible or explicit.
- 1.2 An aircraft operator might not have a comprehensive overview of the specific threats related to the airport. Knowing these threats would be a valuable benefit to safety for those who are not familiar with the airport or for operators who would like to open new lines. The idea is to draw the attention of the flight crews by sharing widely the information known by the local users as a collaborative initiative.

2. A need to improve safety data sharing

- 2.1 When preparing flights, pilots have to deal with a large amount of information, in particular concerning departure, destination and alternate airports.
- 2.2 An AIP (Aeronautical Information Publication), the official document used for issuing permanent aeronautical information, must comply with some requirements regarding its structure and

content as these are defined at international level. However, this means of conveying information does not always adequately allow distinctive local features to be highlighted or published while knowledge of such features by the flight crew appears to be a plus for the conduct of the flight.

2.3 Such information may in particular originate from pilot feedback and occurrence analysis made by aerodrome operators or air navigation service providers. It may also concern the aeronautical, aerological or geographical environment of the aerodrome.

3. The CASH concept to answer the need

- 3.1 Early 2015, the French Civil Aviation Authority has set up a working group made of representatives of the French DGAC and operators for the creation of a platform dedicated to safety data sharing related to an aerodrome. The platform would be available to any operators involved on the aerodrome (air navigation service providers, airline operators, aerodrome operators...), and would gather the most significative safety risks related to the specific aerodrome.
- 3.2 The final purpose was to launch a trial whose aim would be to make such information available to crews in explicit summary form and organized to match the sequence of a flight. The goal would be to facilitate flight crew knowledge of the specific context of a given aerodrome, to provide a shared and improved vision of the aeronautical environment and, ultimately, to strengthen the overall safety performance.
- 3.3 The trial has been named CASH, for "COLLABORATIVE AERODROME SAFETY HOTSPOTS", and was officially launched early June 2016. Five aerodromes had initially agreed to take part in it: Bastia Poretta, Beauvais Tillé, Calvi Sainte-Catherine, Nice Côte d'Azur and Paris Charles de Gaulle; a sixth, Toulouse-Blagnac, was added later.



3.4 For each aerodrome part of the trial, the CASH data has been defined locally through a collaborative process involving representatives of operators based or using the aerodrome (airlines, the

RACC/15-IP/11

aerodrome operator, local services of the French weather office (Météo France), air navigation services providers, flight clubs and other users). Collected information to publish through CASH have been validated by LST (Local Safety Team) of each aerodrome. The role of the Oversight authority in the trial is limited to the coordination of the working group and to the monitoring of the trial. It has no say in the content of the CASH information, which is developed by the operators involved only.

4. A specific way to publish and disseminate the gathered information

4.1 A dedicated internet platform on the French Ministry of Transport and Ecology was developed for the purpose of the CASH trial:

https://www.ecologique-solidaire.gouv.fr/en/collaborative-aerodrome-safety-hotspots-eng

All publication related to aerodrome partners are made public on this platform.



4.2 Publications are available in a defined form:



4.3 In the CASH pages, pilots are advised that this data is published for basic guidance and information only and is not comprehensive. It constitutes additional information made available for flight preparation, but is by no means a substitute for the reference aeronautical information issued via AIPs (France), NOTAMs and AIP supplements.

5. Communication about the concept and its assessment

- Various ways were developed to inform the pilot community of the trial, including a page in AIC France, articles in different information letters published by the French DGAC, a flyer made widely available as well as direct mails to airlines. A questionnaire was added to the CASH internet platform to have some feedback on the trial from the pilots as regards the format and the content.
- About one year through the experiment, an assessment was made through questionnaires on the web platform. The number of visits to the CASH pages was less than expected, showing the difficulty in having the trial known by pilots despite the communication efforts made. That said, even if the number of visits and feedbacks was lower than expected, the general feeling was very positive, highlighting the presence of illustrations (including videos) and the clear explanations. This feedback encouraged the group behind the CASH trial to expand the experiment, both in time and geographically, opening doors to other voluntary airports. Then, at the end of 2017, a global assessment of the CASH trail will be done and a decision taken regarding the future of the project.
- 5.3 It has already been enacted that the trial would change its name into COLLABORATIVE AERODROME SAFETY HIGHLIGHTS as the word 'hotspot' already has its own meaning in the aeronautical world.