

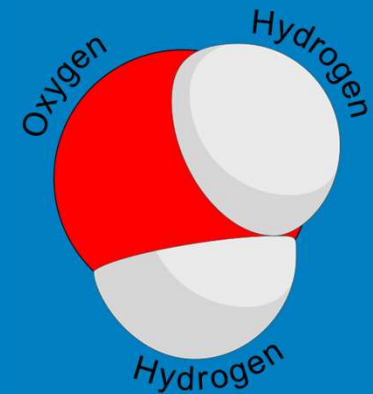
Hydrogen as aviation fuel - Workshop 2023

Aircraft Certification

Fire and Explosion challenges

Colin Hancock, Linda Brussaard, Enzo Canari and Remi Deletain
EASA Certification Directorate

Cologne, 12 June 2023



Your safety is our mission.

An Agency of the European Union 

Background

- In 2022, initiation of H2 discussions during the Tenth Triennial International Fire & Cabin Safety Research Conference (October 17-20, 2022 Atlantic City) to initiate a regular follow-up and exchange on H2 fire/explosion problematics and testing
- Despite small community participation, it was agreed to further progress into the proposal

Objectives

- Seize the opportunity of the fire/explosion community presence in Cologne to pursue the initiative launched in Oct 2022.
- Focus on aircraft design certification, on some fire/explosion challenges
- Share also some information on EASA general H2 Activities
- Kick-off for exchange between Regulators/industry on fire/explosion challenges and way-forward to address them.
- Capture industry interests on other than fire/explosion problematics. Please share proposals/concerns via email to:

Hydrogen_12June2023@easa.europa.eu

Agenda

→ Morning Session : **Regulators Only**

Monday 12 th June – Cologne EASA – Airbus Meeting Room			
08:30	09:00	Morning Gathering	15min
09:00	10:30	Discussion	90min
10:30	11:00	Break	30min
11:00	12:00	Discussion	60min
12:00		End of Meeting	15min

Agenda

→ Afternoon Session : **Regulators / Industry**

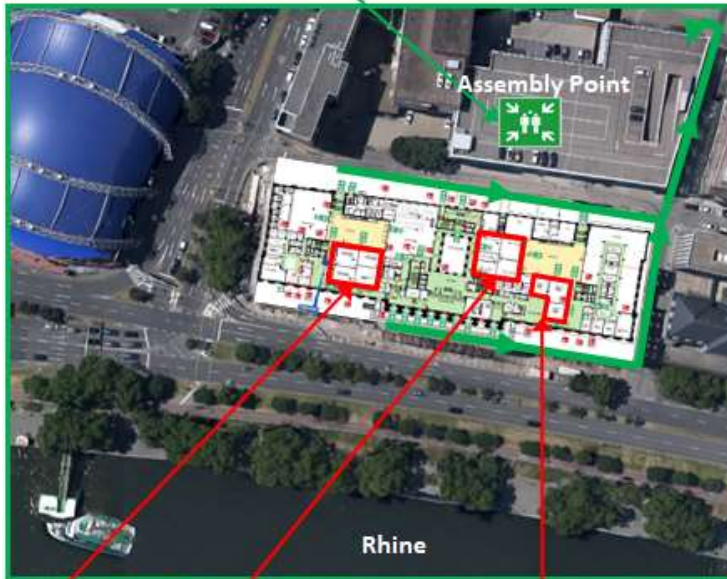
Monday 12th June – Cologne EASA – Airbus Meeting Room

13:30	13:45	Welcome	15min
13:45	14:15	EASA H2 Activities General Overview (C.Hancock)	30min
14:15	14:30	Q/A	15min
14:30	15:15	EASA H2 Challenges – Fire/Explosion (L.Brussaard, E.Canari, R.Deletain)	45min
15:15	15:45	Break	30min
15:45	17:00	Q/A	75min
17:00	17:15	Wrap-up	15min
17:15		End of the meeting	

Evacuation instructions: conference rooms

Escape route

Assembly Point: EASA Parking: Parkhaus Rhein Triadem, 3rd & 4th floor



Boeing

Airbus

Caravelle, Comet, Constellation

EASA Emergency Number: 1111

In case of emergency call: **1111**

The desk phones have a emergency speed dial button.



1. when to Evacuate

- Following acoustic signal
- Following instructions by emergency team

2. Evacuation signal and route

Signal: Continuous siren and/or voice message over loudspeaker

Routes: Nearest fire exit

3. Evacuation procedure

- Warn other people, help handicapped or injured persons
- Only use stairs and marked escape routes
- Do not use lifts
- Do not return to collect personal belongings
- Go directly to the assembly point
- Do not return to the building until instructed to do so

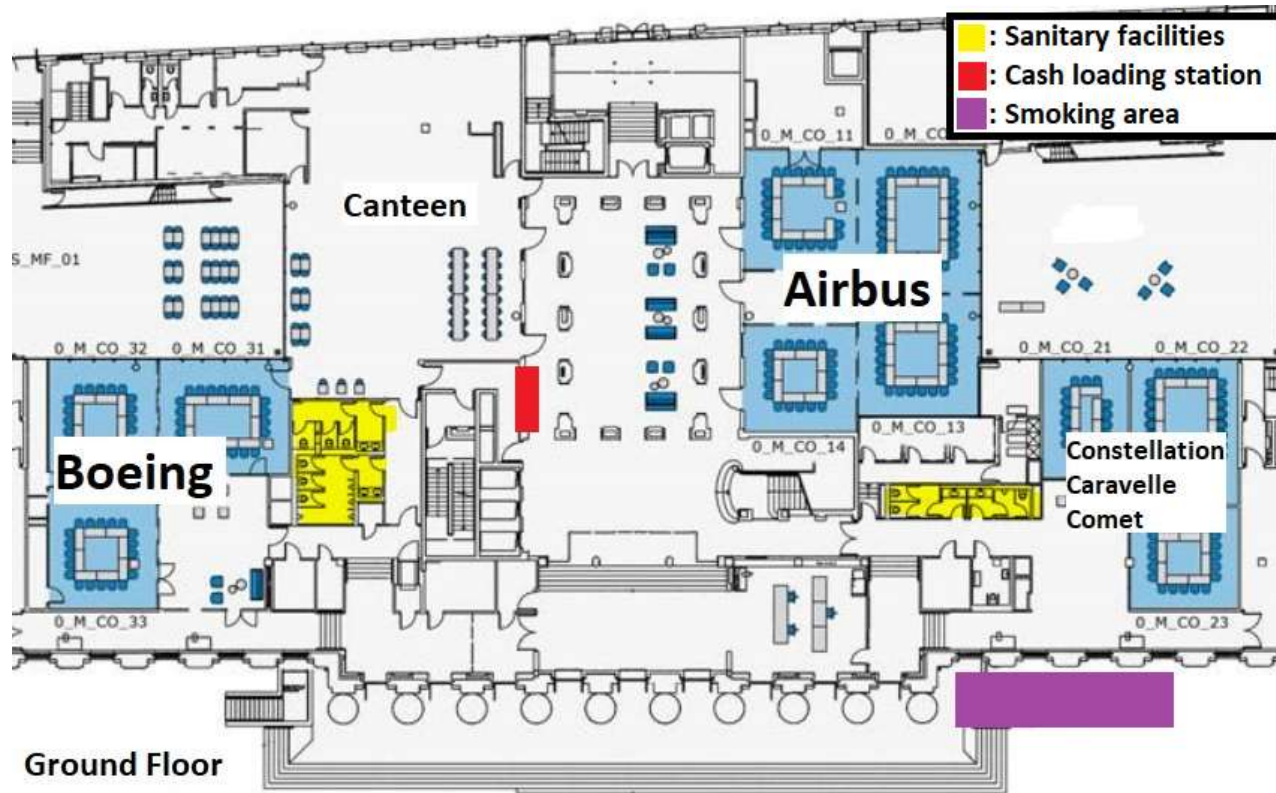


EMERGENCY
PROCEDURE CARD

European Aviation Safety Agency
Kennel-Forumstr. 1
D-50668 Cologne, Germany

Find more information at your
EASA Emergency Procedure Card
on your visitor lanyard!

EASA Direktion house rules



→ Respect

- For phone calls kindly use the phone booths or the lobby
- Do not disturb colleagues in the office spaces

→ Hospitality

- EASA Bistro welcomes visitors but does not accept bank card payments
- You can loan a canteen badge at the cash loading station
- 5€ deposit (at the end of the day refund of deposit and remaining credit)

→ Health and Safety

- The whole building is a non-smoking zone
- Smoking is allowed in front of the building to your right
- For evacuation purposes, re-arranging the seating configuration of the room is forbidden

Restaurants around EASA Direktion

