Hydrogen as aviation fuel - Workshop 2023
Aircraft Certification
Fire and Explosion challenges

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EASA Certification Directorate

Cologne, 12 June 2023
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

<table>
<thead>
<tr>
<th>Time</th>
<th>Activity</th>
<th>Duration</th>
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<tbody>
<tr>
<td>08:30</td>
<td>Morning Gathering</td>
<td>15min</td>
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<tr>
<td>09:00</td>
<td>Discussion</td>
<td>90min</td>
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<tr>
<td>10:30</td>
<td>Break</td>
<td>30min</td>
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<tr>
<td>11:00</td>
<td>Discussion</td>
<td>60min</td>
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<tr>
<td>12:00</td>
<td>End of Meeting</td>
<td>15min</td>
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Monday 12th June – Cologne EASA – Airbus Meeting Room
Agenda

→ Afternoon Session: Regulators / Industry

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Duration</th>
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<tbody>
<tr>
<td>13:30</td>
<td>Welcome</td>
<td>15min</td>
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<tr>
<td>13:45</td>
<td>EASA H2 Activities General Overview (C. Hancock)</td>
<td>30min</td>
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<td>14:15</td>
<td>Q/A</td>
<td>15min</td>
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<tr>
<td>14:30</td>
<td>EASA H2 Challenges – Fire/Explosion (L. Brussaard, E. Canari, R. Deletain)</td>
<td>45min</td>
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<tr>
<td>15:15</td>
<td>Break</td>
<td>30min</td>
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<tr>
<td>15:45</td>
<td>Q/A</td>
<td>75min</td>
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<tr>
<td>17:00</td>
<td>Wrap-up</td>
<td>15min</td>
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<td>End of the meeting</td>
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Evacuation instructions: conference rooms

1. When to Evacuate
   a) Following acoustic signal
   b) 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
   a) Warn other people, help handicapped or injured persons
   b) Only use stairs and marked escape routes
   c) Do not use lifts
   d) Do not return to collect personal belongings
   e) Go directly to the assembly point
   f) Do not return to the building until instructed to do so

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

EASA Emergency Number: 1111
In case of emergency call: 1111
The desk phones have an emergency speed dial button.
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