ICAO Session

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Las Vegas/ May 2019
1. Brief update on ICAO current issues

2. EASA Pilots’ age limits study – Janis Vegers

3. Comparing Methods to Evaluate Cognitive Deficits in Commercial Airline Pilots – Dr Joshua Pocock

4. Aviation safety versus medical confidentiality – Annemarie Schuite

5. ICAO Medical Confidentiality survey feedback
<table>
<thead>
<tr>
<th>Statement</th>
<th>Question</th>
</tr>
</thead>
<tbody>
<tr>
<td>Higher life expectancy</td>
<td>Equate to better health?</td>
</tr>
<tr>
<td>Improved healthcare &amp; medical technology</td>
<td>Available everywhere?</td>
</tr>
<tr>
<td>Medical/ operational limitations</td>
<td>Justified on age or data driven evidence?</td>
</tr>
<tr>
<td>Frequency of medical/ operational checks</td>
<td>Justified on age or data driven evidence?</td>
</tr>
<tr>
<td>Type of additional checks</td>
<td>Justified on age or data driven evidence?</td>
</tr>
<tr>
<td>Role of automation</td>
<td>RPAS, response to system failure?</td>
</tr>
<tr>
<td>Additional training (flight, incapacity)</td>
<td>Limited under certain operational circumstances</td>
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<tr>
<td>Total pilot flight hours and experience</td>
<td>Protective effect – number and type of hours?</td>
</tr>
<tr>
<td>Recent pilot flight hours and experience</td>
<td>Protective – how recent and type-specific?</td>
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<tr>
<td>Individual functional assessment as opposed to cohort</td>
<td>Applicable to all pilots, or after a certain age?</td>
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Integration of remote technologies in civil aviation – Brings challenges and opportunities

RPAS and humanitarian aid

Cold chain flow chart:
- Manufacturer responsibility
- Manufacturer/distributor responsibility
- Provider responsibility
- Vaccine manufacturing
- Vaccine distribution
- Vaccine arrival at provider facility
- Vaccine storage and handling at provider facility
- Vaccine administration
<table>
<thead>
<tr>
<th>Individual certification</th>
<th>Medical system</th>
<th>Aviation system</th>
</tr>
</thead>
<tbody>
<tr>
<td>Self-certification of pilots</td>
<td>Driver’s licence</td>
<td>Operational conditions</td>
</tr>
<tr>
<td>Professional drivers licence</td>
<td>GP certification</td>
<td>Aircraft size and weight</td>
</tr>
<tr>
<td>Medical Assessor</td>
<td>Accredited medical conclusion</td>
<td>Flight for compensation</td>
</tr>
</tbody>
</table>

- **Medical certification in general aviation**
• Accident investigation panel
  • Considered mandatory testing after accidents or serious incidents
  • Identified need for more medical information and data
  • Referred to the MPSG (Medical Provisions Study Group)
• Included in State Letter on sharing of medical confidential information
• State Letter planned on testing practices of different countries
• Alcohol and Substance Work group
  • Commence June/July 2019
  • Guidance material development
  • Review of ICAO document on alcohol and substance use and abuse
  • Need for SARPs amendment
• Data review in relation accident rate, serious incidents, medical incapacity events during flight and loss of licence due to mental health.
• Review of global legislation and policies on mental health and public safety.
• Review guidance material in Civil Aviation Medical Manual.
• Review training of aviation medical examiners (AMEs) in relation to mental health.
• Develop proposal and guidance material balancing medical confidentiality & aviation safety.
• Provide advice on the role of psychological assessment, psychometric testing and psychiatric assessment during the aviation medical assessment.
• Provide advice on the role of simulator assessment in fitness to fly.
• Review/develop risk assessment tool for fitness to fly.
• Develop a Statement on mental health promotion material and distribution channels.
• Develop a Statement on the role of Peer Support Programmes – for both aircrew and AMEs.
• Vision and colour vision
• Air ambulances
• RPAS – guidance material for AME’s
• CAPSCA – infectious diseases

Will commence once other work groups are fully operational
EACCC EXERCISE - PANDEMIC19

JAATO / ICAO / WHO CAPSCA on-line training course
Prevention of infectious diseases

**Airport Vector Control Register**

**NOTAMS Information**
- tags for plague: plague, bubonic, pneumonic, Yersinia pestis (bacterial species)
- tags for ebola: ebola, haemorrhagic, fever, Filoviridae
- tags for yellow fever: yellow fever, virus, mosquito
- tags for diseases in general: contagious, disease, infection, outbreak, epidemic, bacteria, virus, protozoa
- tags for diseases + aviation: quarantine, isolate, infect

**A0118/18 - GMFF (Morocco)**
- **Building Work of Parking Stand Isolated at 350m East of Shoulder Strap A Presence Persons and Eqpt. Caution Recommended.**
- Created: 26 Feb 2018 10:29:00 Source: GMMNYX

**A0070/18 - FLFI (Zambia): Not listed Plain Language**
- **In View of the Ongoing Ebola Outbreak Zambia Civil Aviation Authority Is Requesting All Airmen to Report Medical Sts of Their Pax for All Inbound Flights and to Comply With Health Screening of Pax Entering the Zambian Airspace.**
- Created: 24 Feb 2018 05:29:00 Source: FLKKNYX
Major international air traffic originating from Madagascar in 2016

Plague outbreak in Madagascar
Real time data as from 21 Aug 2017

Select a State

China

Select Airports

- ALL
- BEIJING / Capital / ZBAA
- CHANGSHA / Huanghua / ZGHA
- CHENGDU / Shuangliu / ZUUU
- CHONGQING / Jiangbei / ZUCK
- DALIAN / Zhoushuizi / ZYTL
- FUZHOU / Changle / ZSFZ
- GAOXIONG / Gaoxiong / RCKH

From Date:

2017-10-01

To Date:

2017-12-31

Submit
• Step-based approach with different layers
  – Vector distribution maps
  – Pathogen epidemiology and transmission
  – Airport vector control measures
  – Aircraft routes and disinsection methods