COLLABORATIVE ARRANGEMENT FOR THE PREVENTION AND MANAGEMENT OF PUBLIC HEALTH EVENTS IN CIVIL AVIATION (CAPSCA)

3rd Meeting CAPSCA Europe
4th Global CAPSCA Coordination Meeting

Aviation Crisis Management in Europe

Update on Eurocontrol/Network Manager activities

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Advisor to COO
EUROCONTROL/Directororate Network Management
1. EUROCONTROL
AVIATION CRISIS MANAGEMENT IN EUROPE

EUROCONTROL
Working together to deliver a Single European Sky

MISSION

Founded in 1960, today EUROCONTROL, the European Organisation for the Safety of Air Navigation, is a civil-military organisation committed to building, together with its partners, a Single European Sky that will deliver the air traffic management (ATM) performance required for the twenty-first century and beyond.

UNIQUELY QUALIFIED

EUROCONTROL is uniquely qualified to help make the Single European Sky a reality:

- Its 39 Member States provide a truly pan-European perspective;
- Its technical expertise is unrivalled and covers both the operational and regulatory elements;
- Can advise on both the civil and the military aspects of ATM;
Avoiding congestion

Safety Issue

Benefits:
- Safer
- Fuel savings
- Less CO₂ emission

Air Traffic Flow Management
30000 Flights every day
1 Flight Plan processed every 3 seconds
And above 60000 Flight Plan electronic messages every day
88% of messages processed automatically
2. Eyjafjallajökull 2010 crisis
Traffic in Europe on 18 April 2010

What happened?

Normal traffic density in Europe in April

16.00 UTC
Impact on the European traffic
15 April – 21 April 2010

- 54% of flights not operated
- More than 100,000 flights
- 1% of annual traffic
CFMU Network Operations Portal (NOP)

https://www.cfmu.eurocontrol.int/PUBPORTAL/gateway/spec/index.html

13.5 million hits in one day!
Aviation Crisis Management in Europe

Communication

@teemul we're looking into this, will publish jpg maps asap today
30 minutes ago via HootSuite in reply to teemul

@monstermunch99 sorry only Flash, can I help by forwarding a map or transmitting info?
39 minutes ago via HootSuite in reply to monstermunch99

@odeckmyn we are moving to a new site, same as the White House :-) soon soon... sorry about the inconvenience, what were you looking for?
about 1 hour ago via HootSuite in reply to odeckmyn

Join us on www.facebook.com/eurocontrol to share your stories about the massive air traffic disruption euva ashcloud

Our aim is to ensure that your European flight will be safe, punctual and that it won't cost too much - either for you, or for the planet.
3. European Aviation Crisis Coordination Cell (EACCC)
Lessons learnt from 2010 ash crisis

May 2010:
European Aviation Crisis Coordination Cell

Network management

Political leadership

Airworthiness Safety
European Aviation Crisis Coordination Cell (EACCC)

Coordinate management of response to the network crisis affecting aviation in Europe

Activated when circumstances beyond normal environment of ops are evident

EACCC

Members

Airlines

Airports

ANSP

Military

State focal points
EACCC info gathering in crisis

Contact impacted states

State focal points

VAAC London

VAAC Toulouse

EACCC

Contact other states

State focal points
EACCC on Alert

Activated: volcano Grimsvötn, May 2011
Possible threats

- Volcanic ash dispersion
- Nuclear emissions dispersion
- War
- Hazardous chemicals dispersion
- Fire
- Security threats (terrorism)
- Airborne spread of diseases/Pandemic
- Earthquake
- Flooding
- Major failure of a pan-European function
- Industrial action or unavailability of a major or several ANSPs
- Massive cyber attacks
- Heavy meteorological conditions
- Shortage of fuel in Europe
- Threat from space (e.g. satellite, space weather, etc.)
4. Events since CAPSCA-EUR/2, July 2012
Recommendation 4/8 – Crisis coordination arrangements and contingency plans

That ICAO:

... 

b) consider how crisis coordination arrangements for potentially disruptive events, similar to that used for volcanic eruptions, could be established on a regional basis; and

c) and regional offices continue to support the development, promulgation, maintenance of contingency plans, including the holding of practical exercises, in preparedness for potentially disruptive events, including those events that may adversely impact aviation safety.
Space Weather - Increasing awareness, March 2013

Building a proportionate response

Organised jointly by EASA and Network Manager
ICAO volcanic ash exercise: VOLCEX 13/01, 23 – 24 April 2013

Getting ready for the next eruption
May 2013: Threats from space: space debris and meteorites

What can be done?
Network Manager/EACCC Cyber attack exercise, 29-30 May 2013

CYBER 13

First cyber attack exercise!
EUROPEAN COMMISSION – DG ECHO

HUMANITARIAN AID AND CIVIL PROTECTION

Coordination, info exchange, tools, ...
NM and public health threats: contacts with WHO, SKYBRARY article, AIRSAN, ...

Sep 12: exchange of contact details of experts

Public health and aviation: a multi-sector challenge

Coordinated action in the aviation sector to control public health threats
Aviation crisis management workshop, Brussels, 27 June 2013

- Role of State Focal Points
- Linking national crisis management plans to the EACCC’s plans
- Communication in times of crisis
- Expanding the network
- Sharing best practices

WHO has declared a pandemic in [...] Flights coming to Europe with pax from impacted areas (airborne)

Where can these airplanes land?

Task for State Focal Points: find out where these airplanes can land in your State
Thank you!