Liability for Air Navigation Services

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AIR TRAFFIC CONTROL

Air traffic control [ATC] is typically divided into three areas:

- 1. Area control is designed to ensure adequate separation of aircraft once an aircraft has left the airspace controlled by an airport and is en route to another airport.
- 2. Approach control (or terminal radar control) gives approaching and departing aircraft radio instructions within the approach control area (the airspace extending like a staircase from the airport. Airport surveillance radar monitors location and altitude of aircraft under terminal radar control.
- 3. Aerodrome control consists of clearance given to an aircraft landing at or taking off from an airport in a control zone. This is performed from the air traffic control tower located at the airport.





ANS is a sovereign public responsibility.

- Chicago Convention Article 1:
- Each State has complete and exclusive sovereignty over the airspace above its territory.
- Chicago Convention Article 28:
- States shall "Provide, in its territory, airports, radio services, meterological services and other navigation facilities to facilitate international air navigation, in accordance with . . ." SARPs.





Air Navigation Service Providers

There are three forms of classical" ANS providers:

- Individual State
- Joint State Institutions (e.g. EUROCONTROL MUAC and EAD)
- Non-Governmental Entity on behalf of a State/States

ANSP Organizational Structures

ANS Organizations

Degree of Commercialization 0%

State Authority (CAA)
Autonomous State Entity
State-owned Corporation (Crown corporation)
Concession/Lease (all or part of the facilities)
Partial Privatization (e.g. non-aeronautical)
Not-for-profit (stakeholder owned) Corporation

Fully Privatized Company (publicly traded shares)

100%

ASN can be provided by governmental, corporatized, or privatized institutions:

- Directly by the government (e.g., FAA)
- By an independent body (e.g., corporatized or privatized body, either non for profit such as Canada's NavCanada, or for profit, such as the UK's NATS)
- By another State's ANSP



Alternative Liability Approaches:

- The State Primary Responsibility Doctrine:
 The State is primarily responsible for any ANS failures, but may have a right of recourse against the ANSP (German DFS)
- 2. The State Ultimate Responsibility Doctrine: The ANSP assumes primary responsibility for liability, but the State provides compensation for damages the ANSP is unable to pay. (Swiss Skyguide)
- 3. The Service Provider Exclusive Liability Doctrine:
 The ANSP is liable; the State is only liable for damages caused by its own, direct fault. (UK NATS)

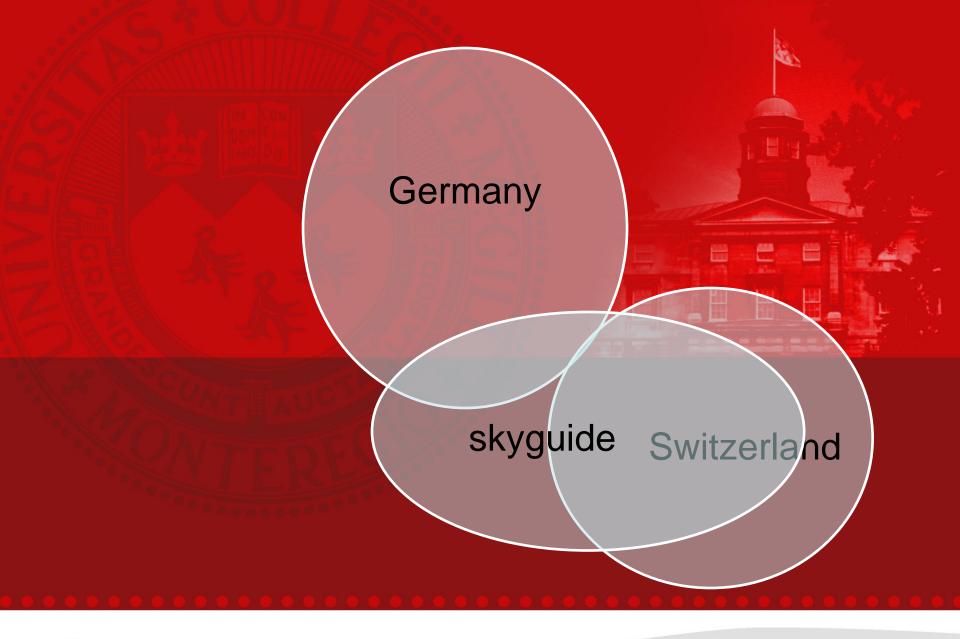


Uberlingen 2002



- Two jets collided in German airspace where ANS were controlled by Swiss skyguide. 71 people died.
- The German court concluded that the sovereign task of securing German air space had never been constitutionally transferred to Switzerland; therefore Germany had responsibility for oversight.







Cross-Border Liability Issues

- Who should be liable? Which law should apply?
- The State holding sovereignty over the airspace? (The "Territorial Doctrine")
- 2. The foreign ANSP?
- 3. The State of the ANSP?
- The question raises serious conflicts of jurisdiction and conflicts of laws questions.

