Commercial risk management:
The European System

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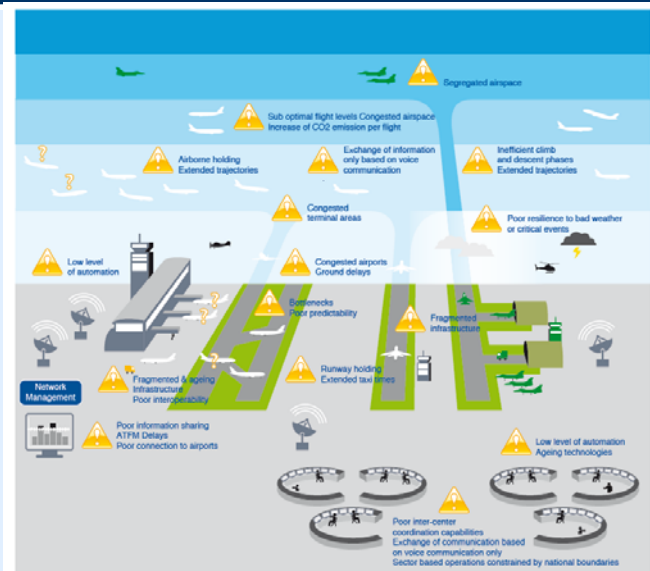One Day of Traffic in Europe

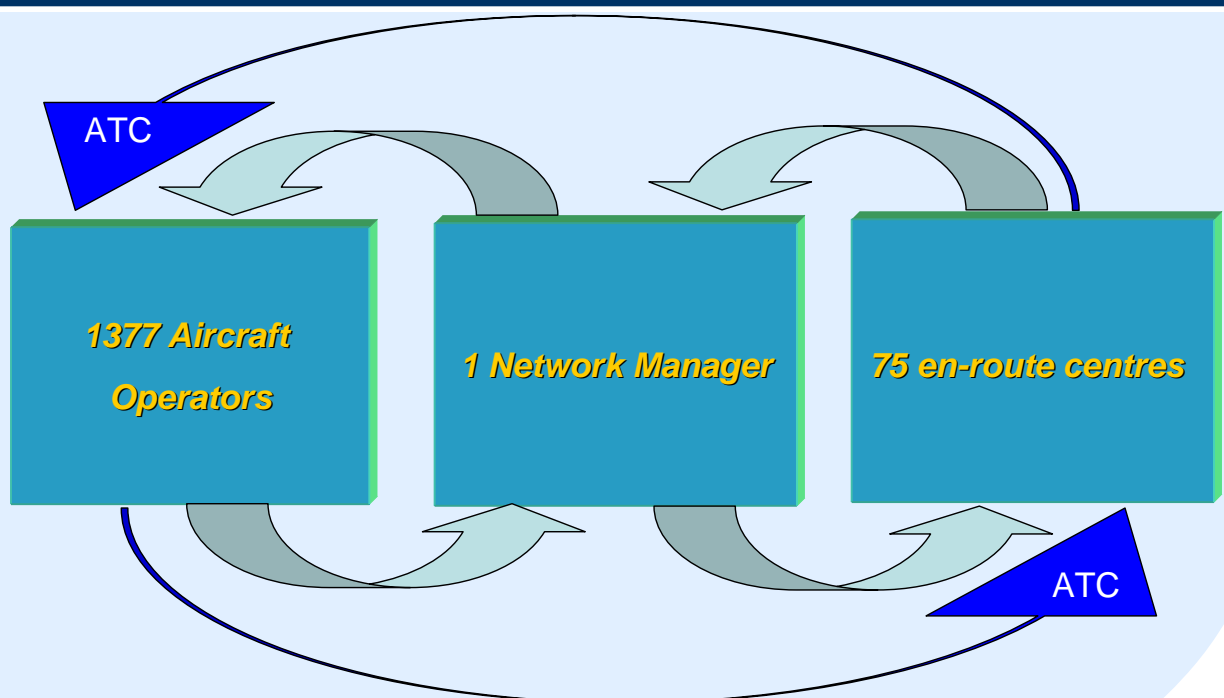# Role of air traffic management?

- To prevent traffic collision in the air and on the ground

- To manage traffic in an orderly and efficient way

- "ATM is the aggregation of <u>ground based</u> and <u>airborne</u> functions required to ensure the safe and efficient movement of aircraft during all phases of operations
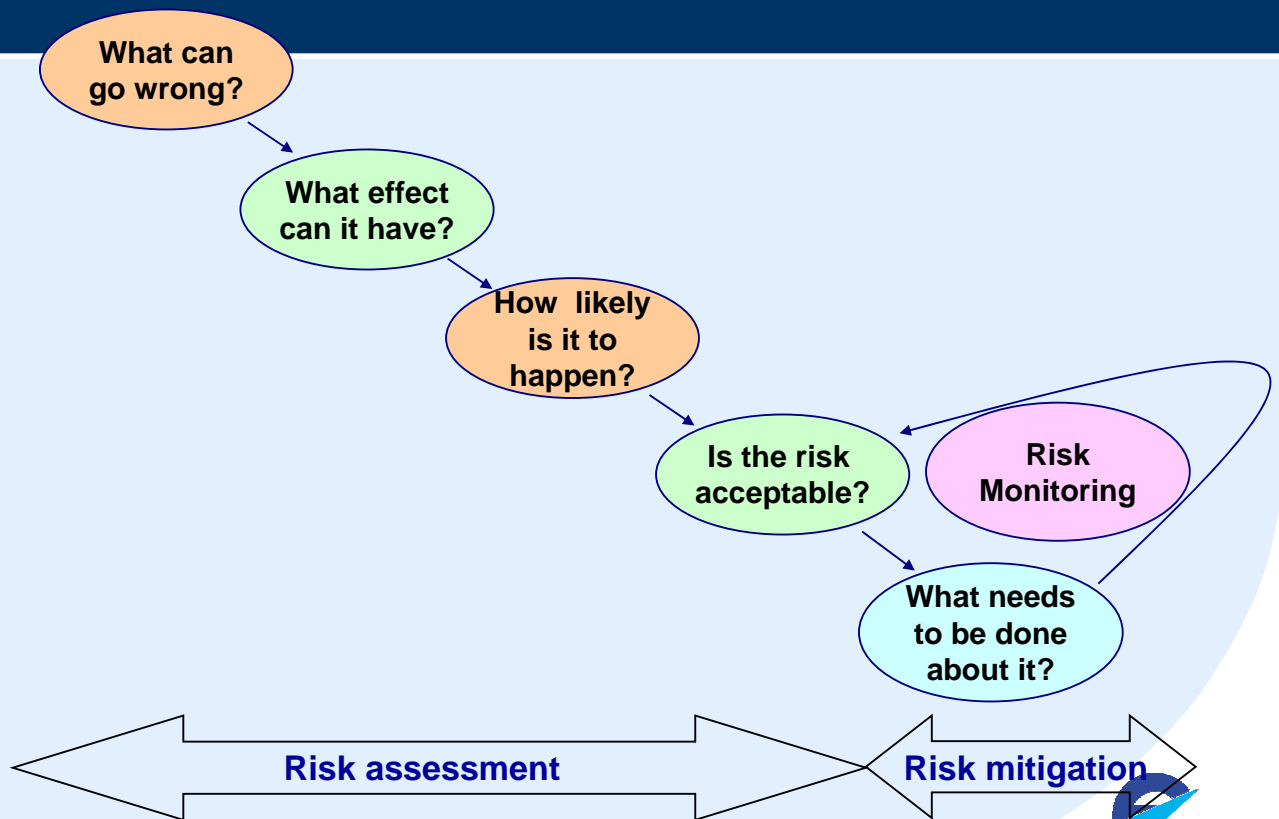
Aviation operations; where we fit

ATC

1377 Aircraft Operators

1 Network Manager

75 en-route centres

ATC

Supporting approximately 9,5 Million flights/year

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Safety assessment steps

What can go wrong?

What effect can it have?

How likely is it to happen?

Is the risk acceptable?

Risk Monitoring

What needs to be done about it?

Risk assessment

Risk mitigation

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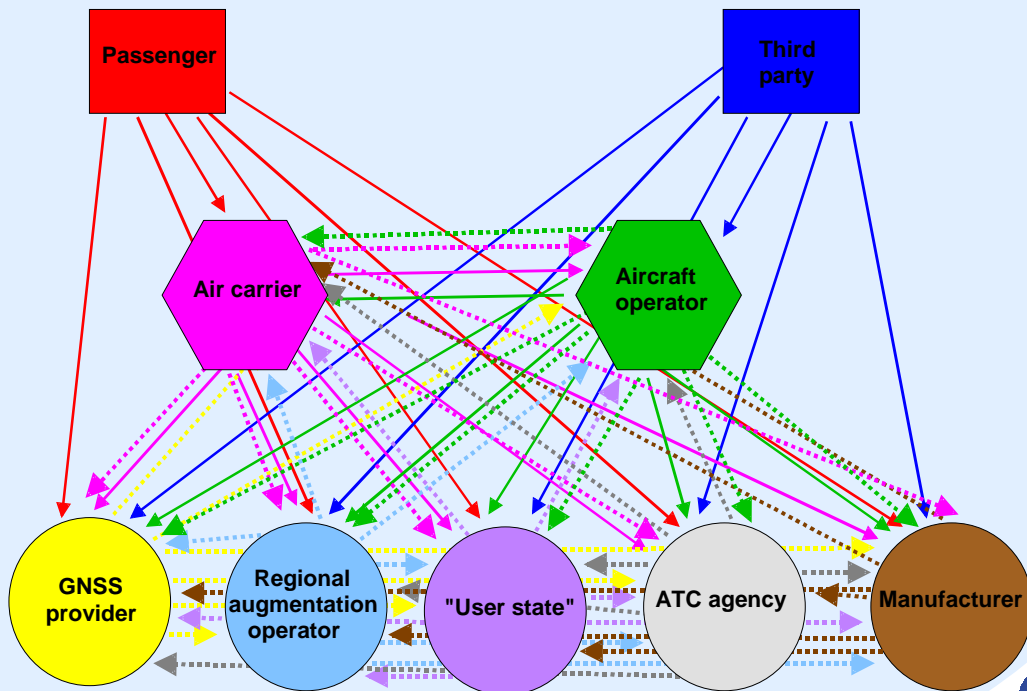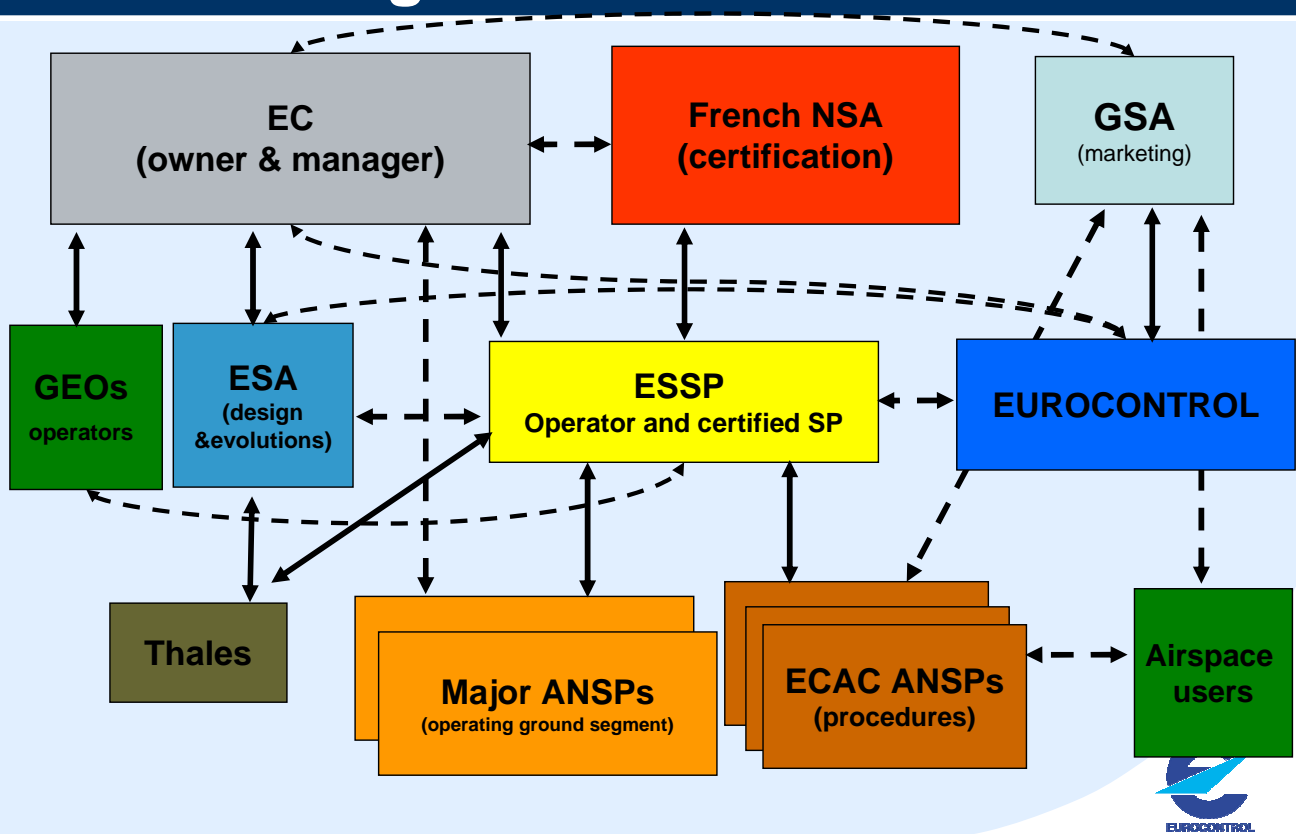
A GNSS Legal and Institutional Framework Solution in search of a Problem?

- Multiple providers, extra territorial ownership and control, multi-purpose and multi-modal

- Most States will not be involved in the operation of GNSS

- Relying on and responsible for facilities outside their control

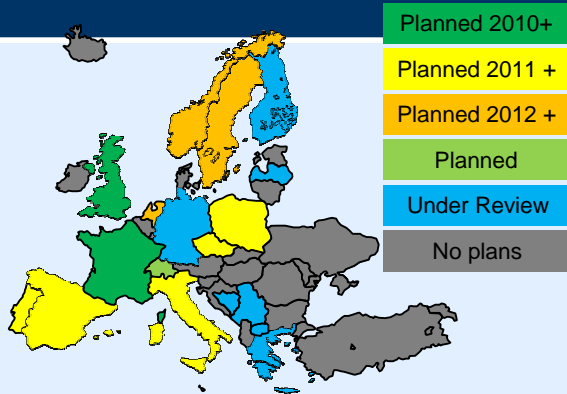- 39+ responsible States in Eurocontrol

GNSS Liability - the parties involved

Current EGNOS framework: "une usine à gaz"

EGNOS is operational

France	15 procedures in 2011. 15-20 procedures /year All IFR runway by 2016.
Spain	14 procedures in 10 airports already designed.
Italy	2 procedures designed. 4 planned in 2011
Switzerland	Procedures for Heliports and 2 in regional airfields.
UK	1 procedure designed. 1 in progress. 3 planned.
Poland	2 procedures
Portugal	1 procedure designed.
Norway	Heliports and regional airports
Germany	Procedures for Heliports

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What should we do?

- Continue the status quo

- New Legislation in Europe

- GNSS Convention – Global solution?

- Another solution?