



ATM: Need for a Global Facilitator

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Big Picture

- Capacity: 3 times traffic
- Safety: factor 10
- Environment: - 10% effects / flight
- Costs : - 50%

ICAO

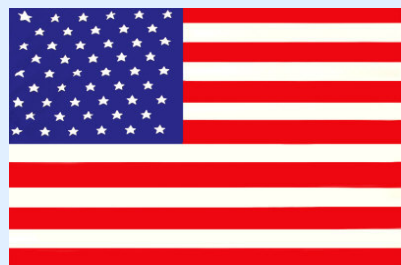
Global Operational Concept
(2005)
Global Plan
Performance Manual



Operational
Concepts
(2020-2025):

SESAR

ATM Master Plan



Integrated Work Plan

NextGen



SESAR Development Phase



- New legal entity managing the SESAR Development phase
 - Execute the ATM Master Plan
 - One single ATM R&D programme in Europe
- A dedicated international cooperation agenda
- Public-Private Partnership
 - Founding Members: EC & EUROCONTROL
 - Other members: industry, third party States
 - €2,100 million over 8 years

The paradigm shift

PAST



Procedural Control

Estimate the current and planned a/c positions

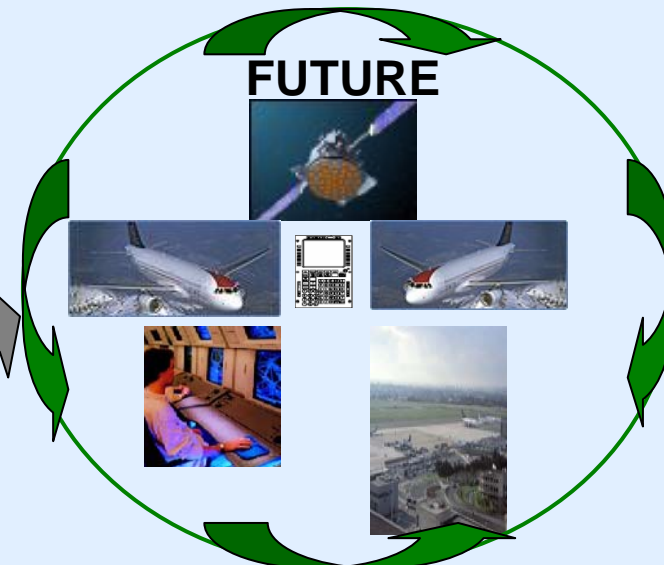
TODAY



Radar Control

Know the current and estimate planned a/c positions

FUTURE

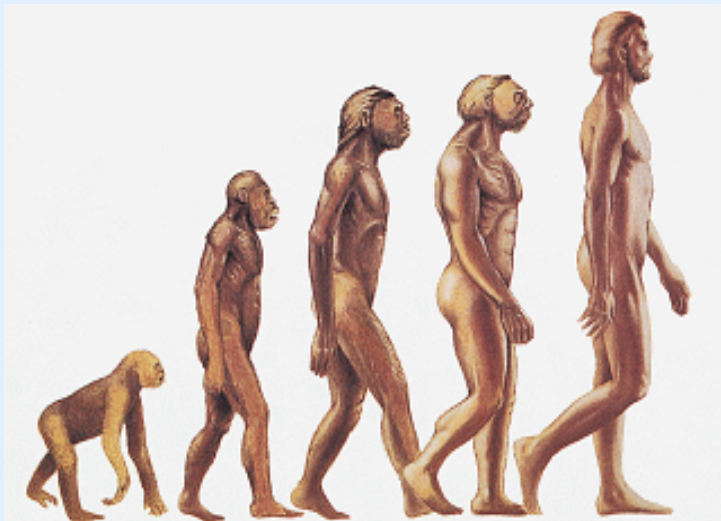


Trajectory Management



SESAR - Evolution or Revolution?!

2009 2013 2016 2020+

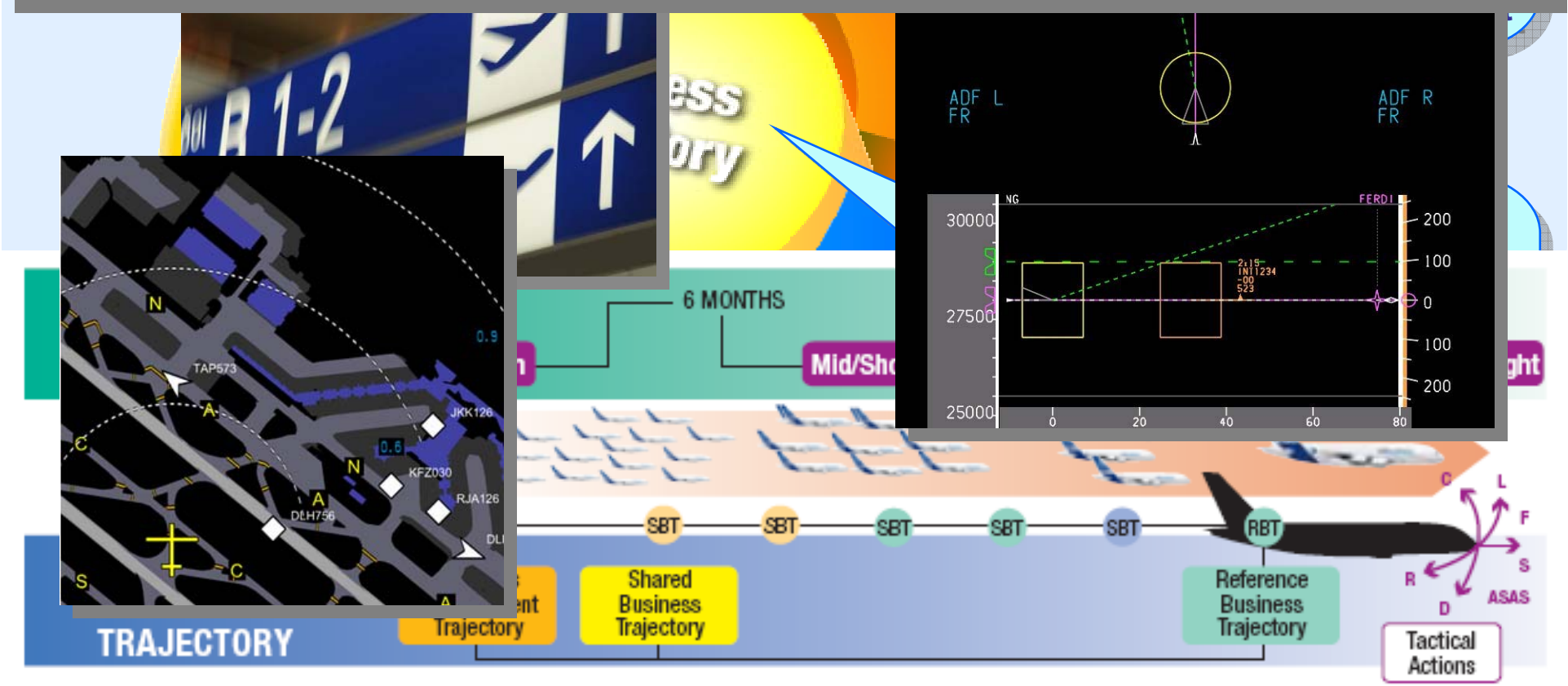
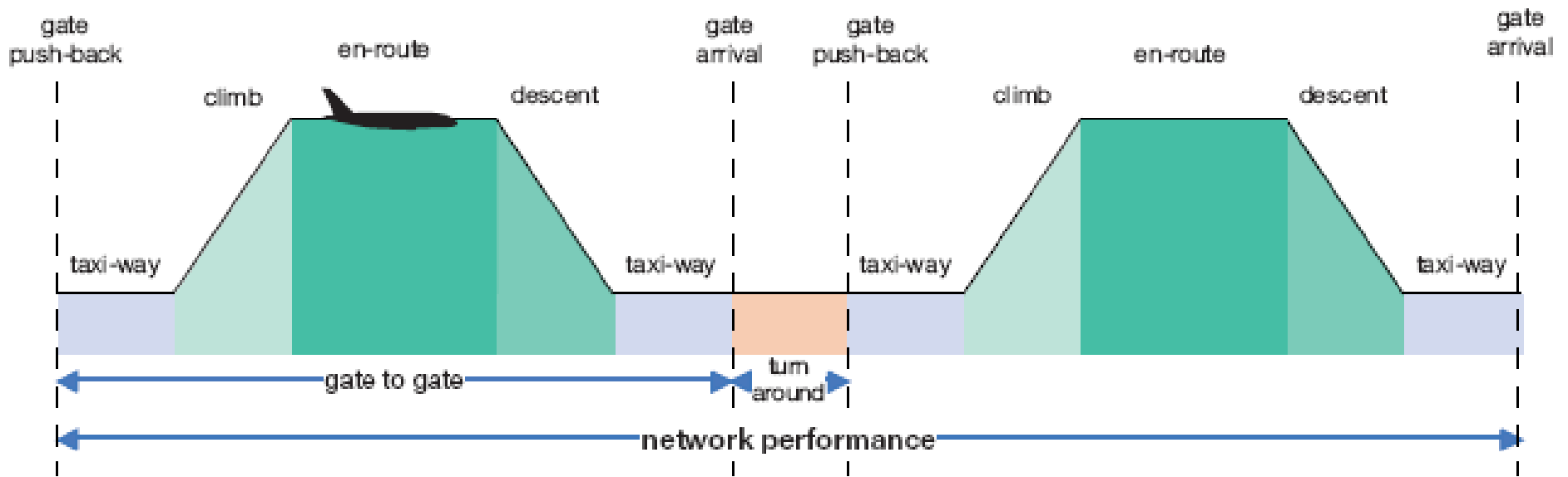


Incremental approach through
operational improvements
to increase service capability levels

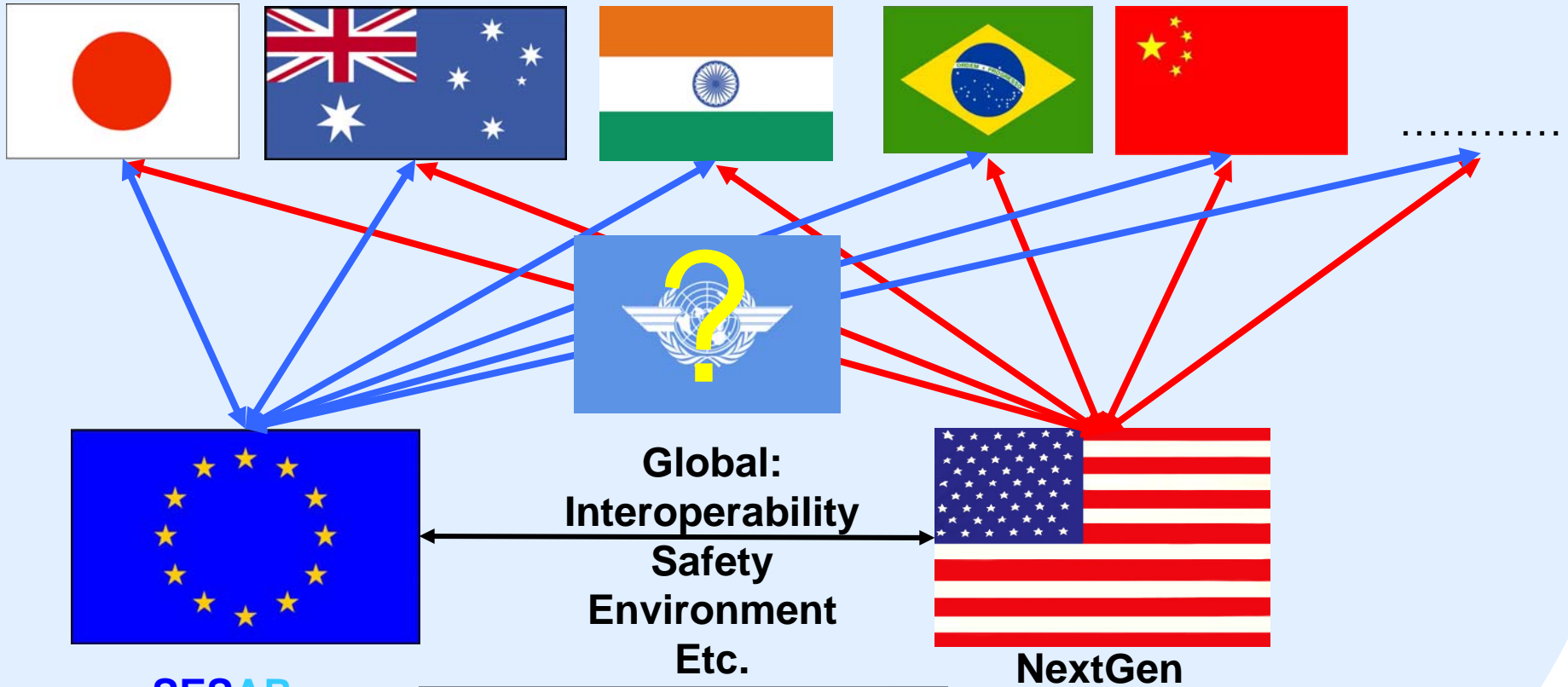
IP1 IP2 IP3



Not a Big Bang solution

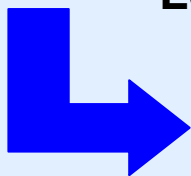


SESAR – NextGen Global Positioning

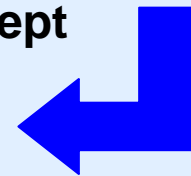


SESAR

Look S



concept



Need for Global Facilitator ICAO, who else??



NextGen/SESAR Forum:

“ICAO has an unique role to play in facilitating implementation”

“ICAO will need to restructure itself”

“work with other international standardisation bodies”

“developing performance based standards”

“high level review of structure and TORs of all ICAO Panels, Study Groups
and Task Forces”

HOW?

WHO (timely) DECIDES?

Conclusions

- The Global Operational Concept is the shared target BUT
- The Global Operational Concept does not guarantee interoperability
- SESAR and NextGen are driven by Performance but also other Regional interests
- Pro-active facilitation and timely decision making are needed
- ICAO is only body to provide the platform for this
- ICAO needs to change
- Questions:
 - **How to change?**
 - **Role of States?**

Thank You!

