

Achieving Harmony! "One sky...Global ATM"

ICAO MID REGION GLOBAL ATM OPERATIONAL CONCEPT
TRAINING SEMINAR

Cairo Nov 28th - Dec 1st 2005



IATA's Mission

"To represent, lead and industry" industry" serve the airline industry.

One sky... ...global ATM



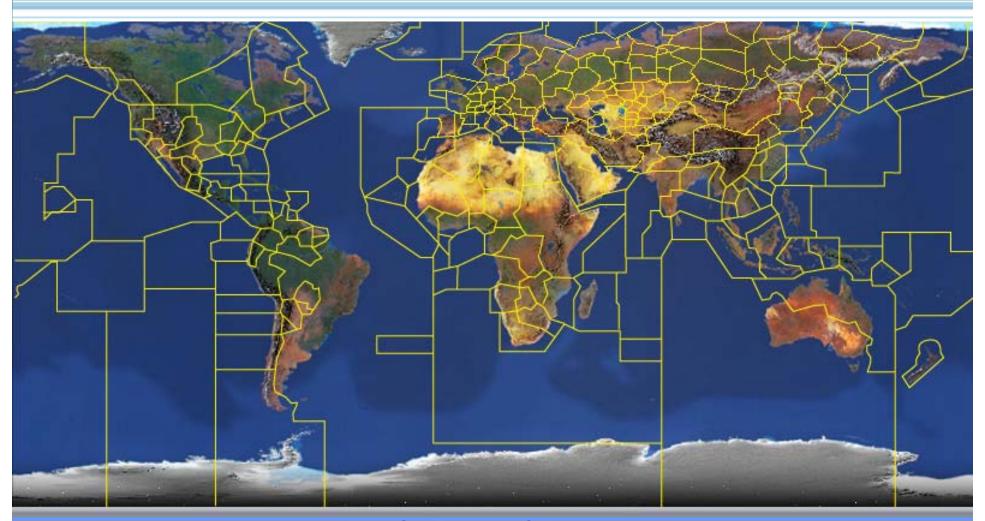
IATA today

www.iata.org

- 270 Airline Members from 143 countries accounting for 95% of total international traffic
- 200 partners
- Representation in 91 countries
- 1330 staff







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Manufacturers have done it...



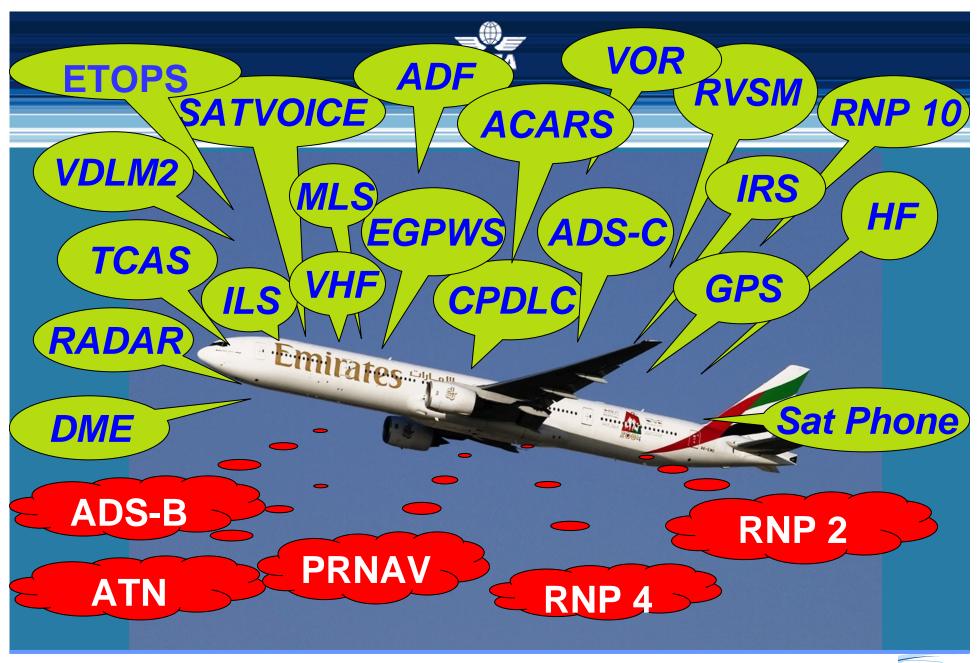
Airlines have done it...





...ANSPs must do it too!





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Global Harmonization Increases Safety





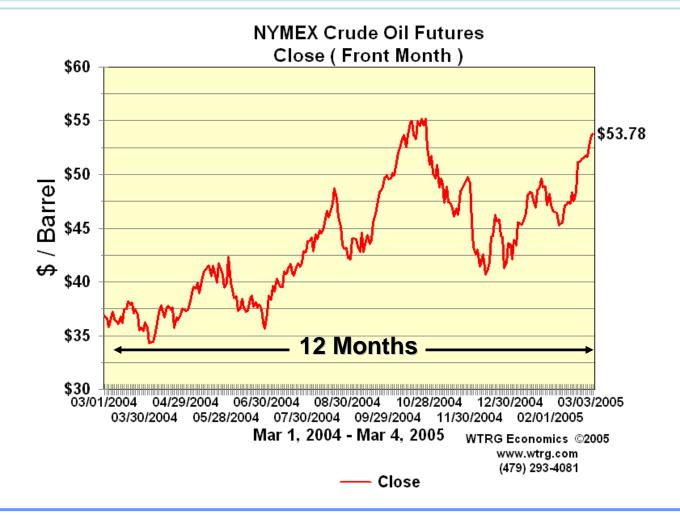


FANS Retrofit

Multi Mode Receivers		MMR Master Change	\$83,500
(3)	9	ATS D/L Master Change	\$44,200
GPS Active Antenna		ACARS Master Change	\$12,825
Unit	9	RNP Master Change	\$18,750
Beam Steering Unit	9	Change 5	\$285,000
High Gain Antenna	9	master with the cost	
LNA Diplexer		ार हि । हे ।	\$444,275
Adapter Unit		\$4 6 \$ Cost / B744	
High Power Amplifier	25	Aircraft	\$821,981
SATCOM Data Unit	\$1	Proximity Warning	
Adapter Plate		System	\$125,127
Adapter Gaske		TOTAL COST /	
Installant n.C.	•	AIRCRAFT	\$947,108
per aircraft	\$37	7,706	











We have enough plans...



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Harmonization Process?

ICAO

Council
Assembly
Conferences
Symposia

ICAO

Panels & Groups

ANSEP
NAV
Com
SCRSP Oplink
VOP
ATMCP
SASP

ICAO

Regional Meetings
MIDANPIRG
NATIMG
NATFIG
GNSS
CNS/ATM
MET

US ESA

GJU

FAA JPDO EASA

FAA/Eurocontrol

Memorandum of cooperation Coordination Committee

Research
Architecture
Action Plans
Operations
CNS - Future ATC Committee
Safety & Security

We MUST address:

- Current duplication
- Poor coordination
- Divergent concepts
- Fragmentation
- Ownership issues
- Inefficient resourcing

Eurocae/RTCA

EU

RTCA

EU FAA Eurocontrol

R&D Advisory TEN-T Projects

ACARE

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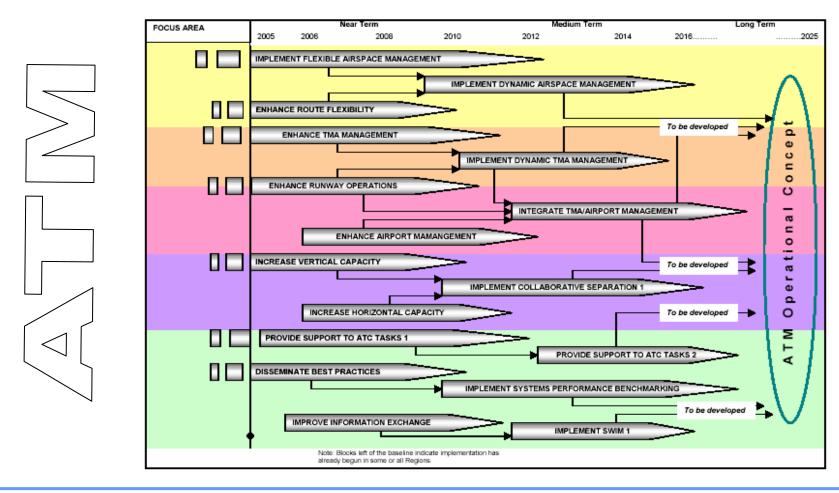




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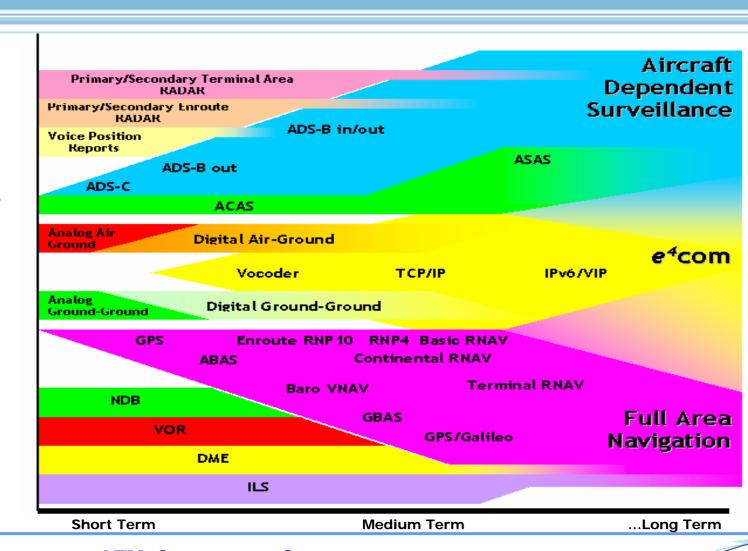












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27 items to be implemented between 2005 and 2010/2012

- 1. Flexible Use Airspace
- 2. Align Upper Airspace
- 3. Collaborative Airspace Design
- En-route Area Navigation RNAV
- 5. Capability Based Navigation
- 6. Dynamic Route Management
- 7. Implement WGS-84
- 8. RNP/RNAV Approach/Departure
- RNP/RNAV SIDs/STARs
- 10. Optimised Arrivals
- 11. Enhance Traffic/Capacity Mgt
- 12. Runway Capacity Benchmarks
- 13. Enhance Runway Performance
- 14. Improve Movement Area

- 15. Enhance Runway/Taxi/Apron
- 16. Implement RVSM
- 17. Harmonise Level Systems
- 18. Implement RNP 4 Separation
- 19. Implement RNP 1 Separation
- 20. Implement Capability Separation
- 21. Automation of Basic Functions
- 22. Data Link Applications
- 23. Improved Traffic Surveillance
- 24. Standardize Data Set Format
- 25. Electronic Data Services
- 26. Improve Information Exchange
- 27. Best Practices





Industry Global ATM Roadmap

- 11th ANC acknowledged IATA Roadmap
- → ICAO May 04 requested industry consensus
- Oct 04 industry delivered global ATM Roadmap
- - Reissue Global Air Navigation Plan
 - Regional implementation templates





Next Steps?

How do we harmonize global infrastructure?



Thank You