



# **Achieving Harmony!**

## **"One sky...Global ATM"**

**ICAO MID REGION GLOBAL ATM OPERATIONAL CONCEPT  
TRAINING SEMINAR**

**Cairo Nov 28<sup>th</sup> - Dec 1<sup>st</sup> 2005**

Jehad Faqir / Director Safety Operations & Infrastructure.Middle East & North Africa



## IATA's Mission

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

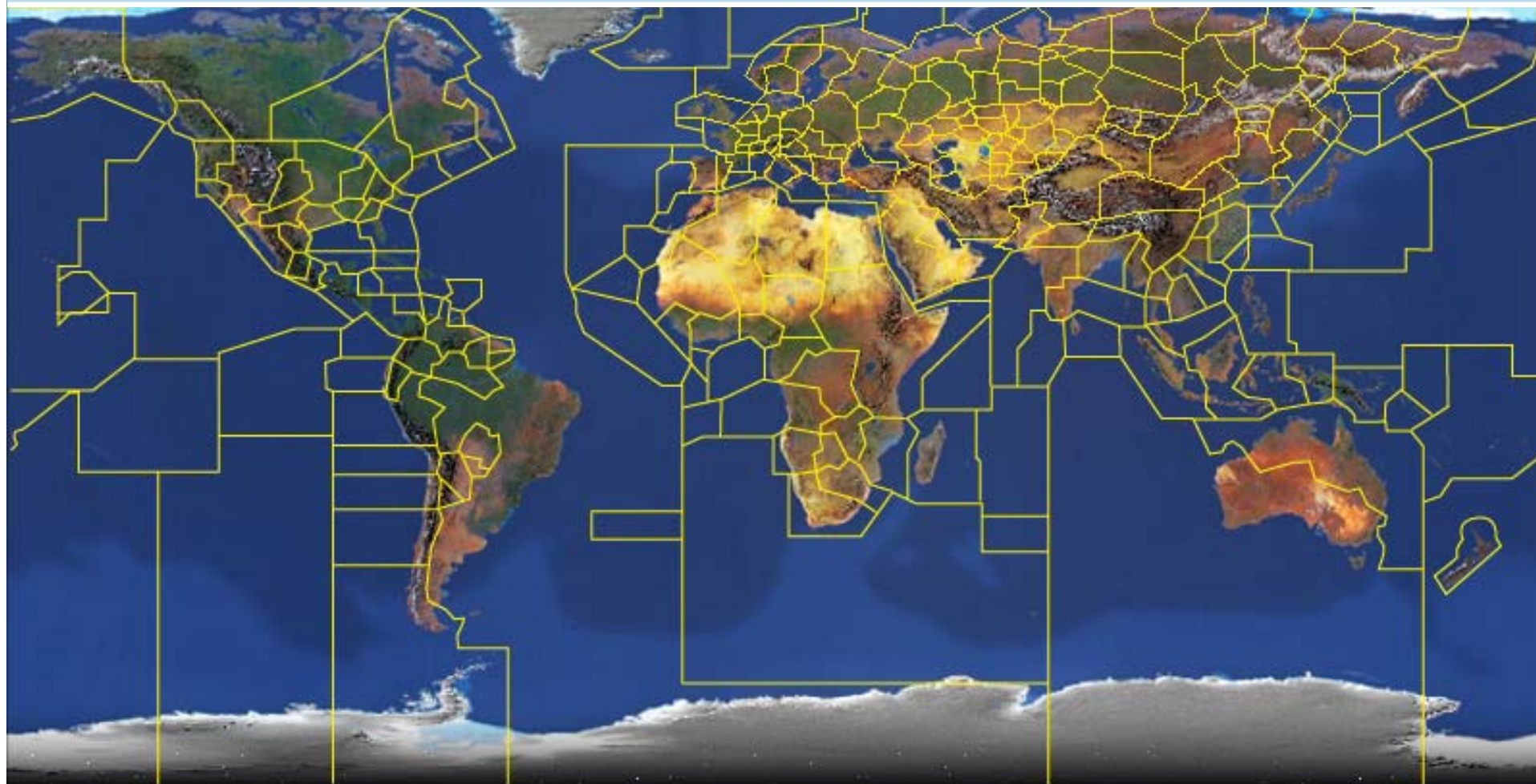
**IATA**

## IATA today

[www.iata.org](http://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...**

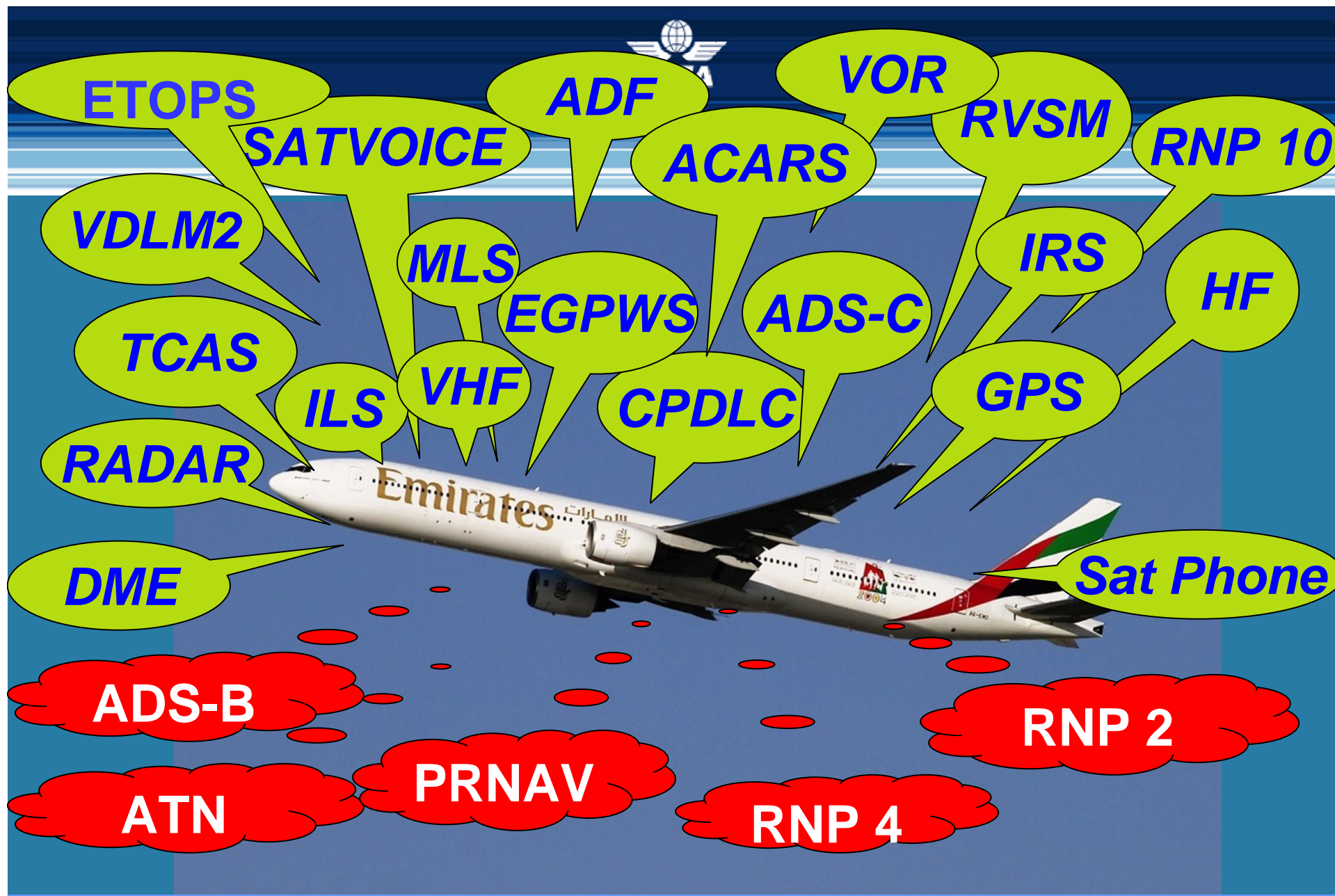


**Airlines have done it...**

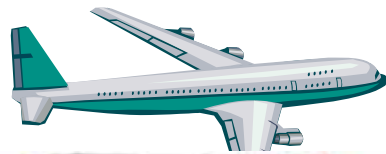


**...ANSPs must do it too!**

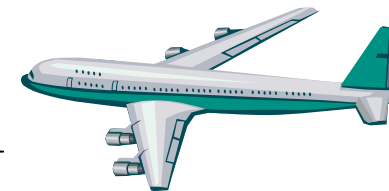




## Global Harmonization Increases Safety



— FL350 —  
— FL330 —  
— FL310 —



## Global Harmonisation Reduces Costs



**10 Kg = \$1000 per  
aircraft per year**

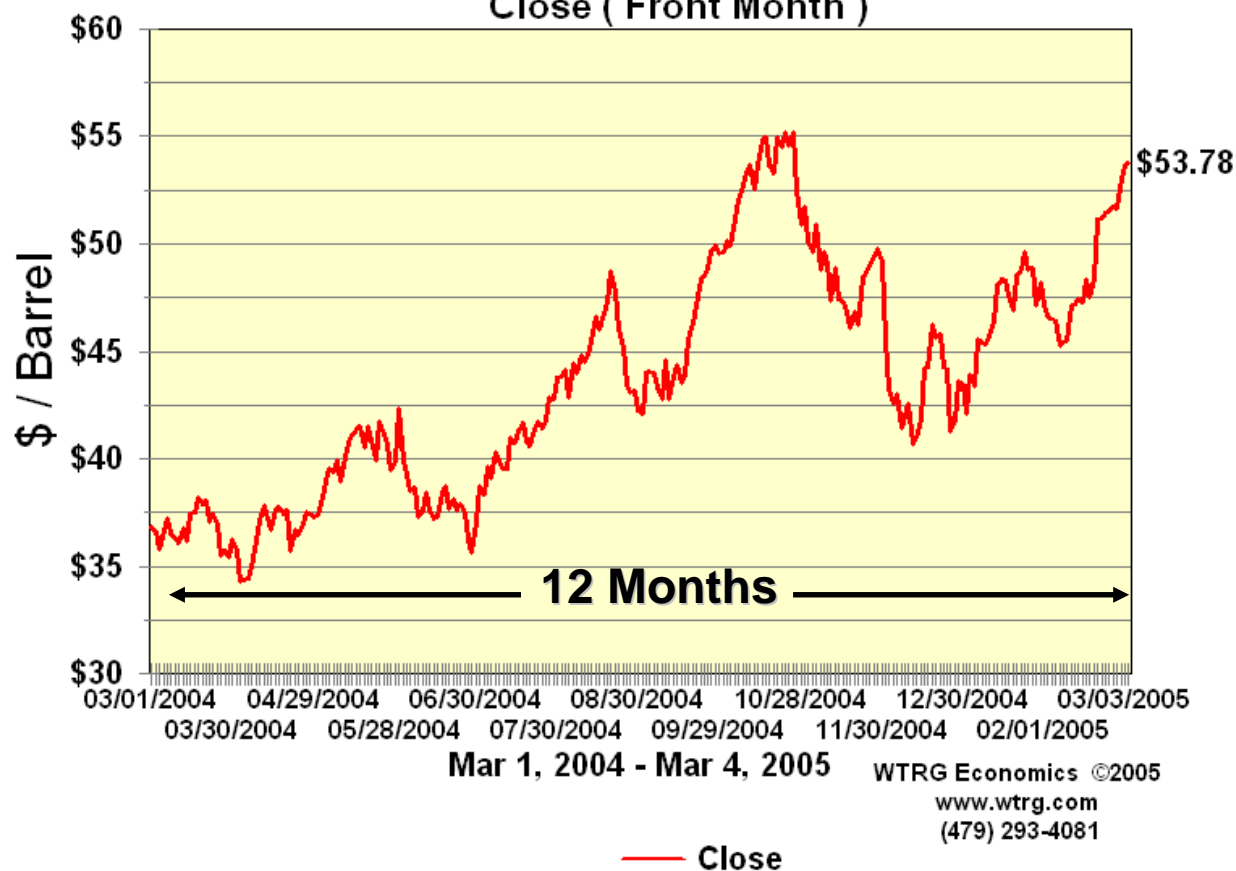


One sky......global ATM





### NYMEX Crude Oil Futures Close ( Front Month )





**We have enough plans...**

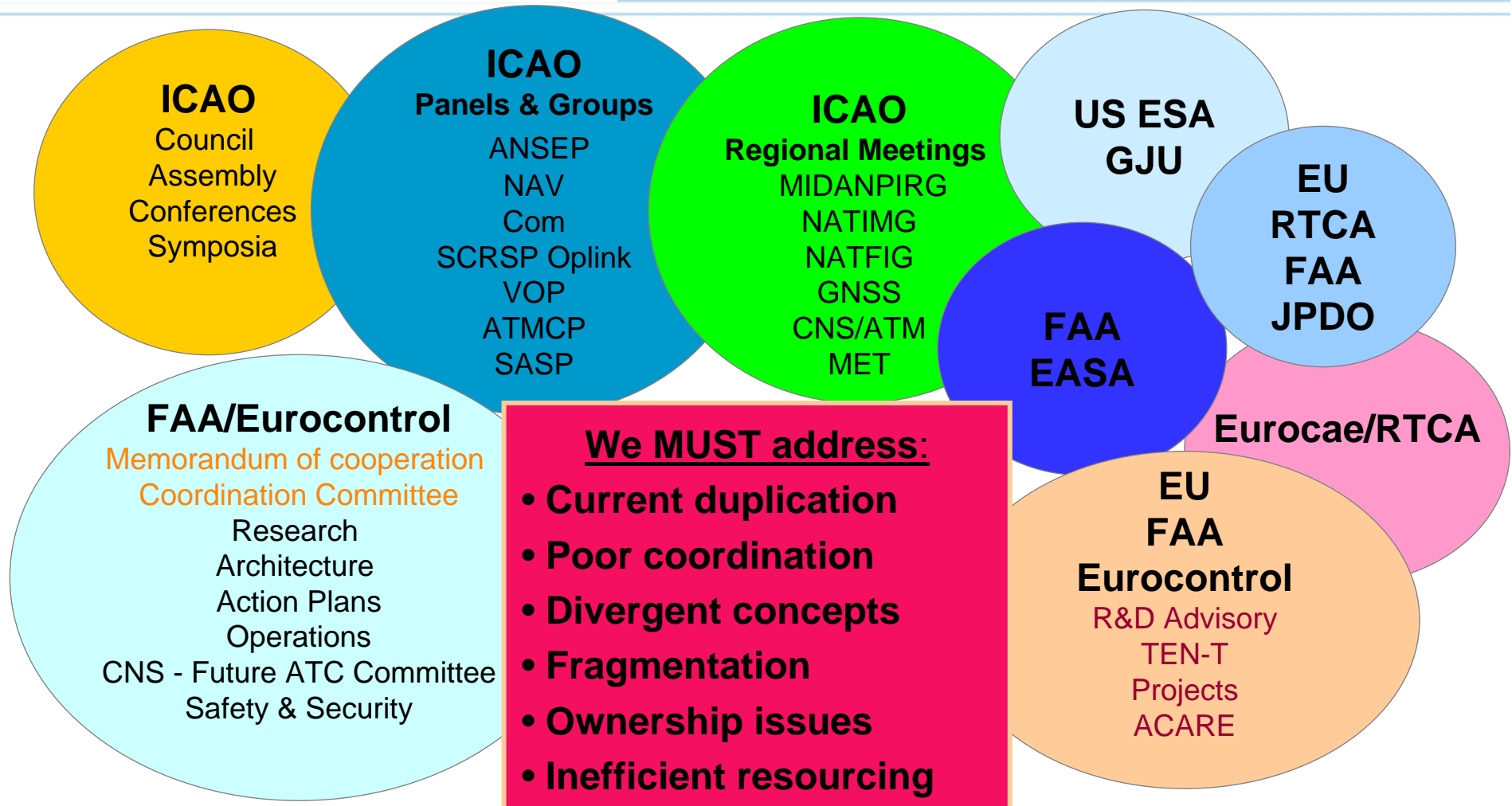


**...we need to harmonize!**

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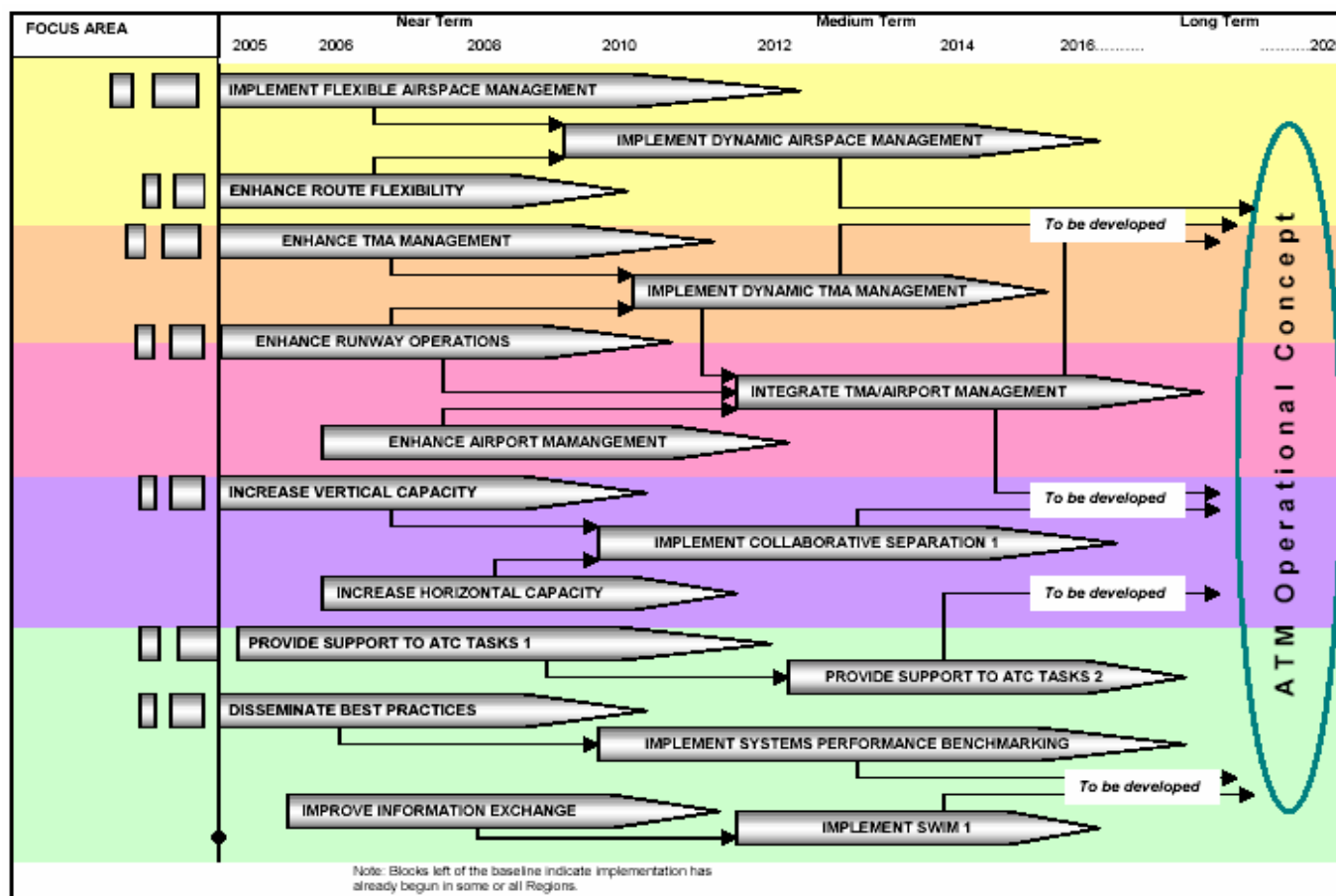
One sky... ..global ATM

# Harmonization Process?





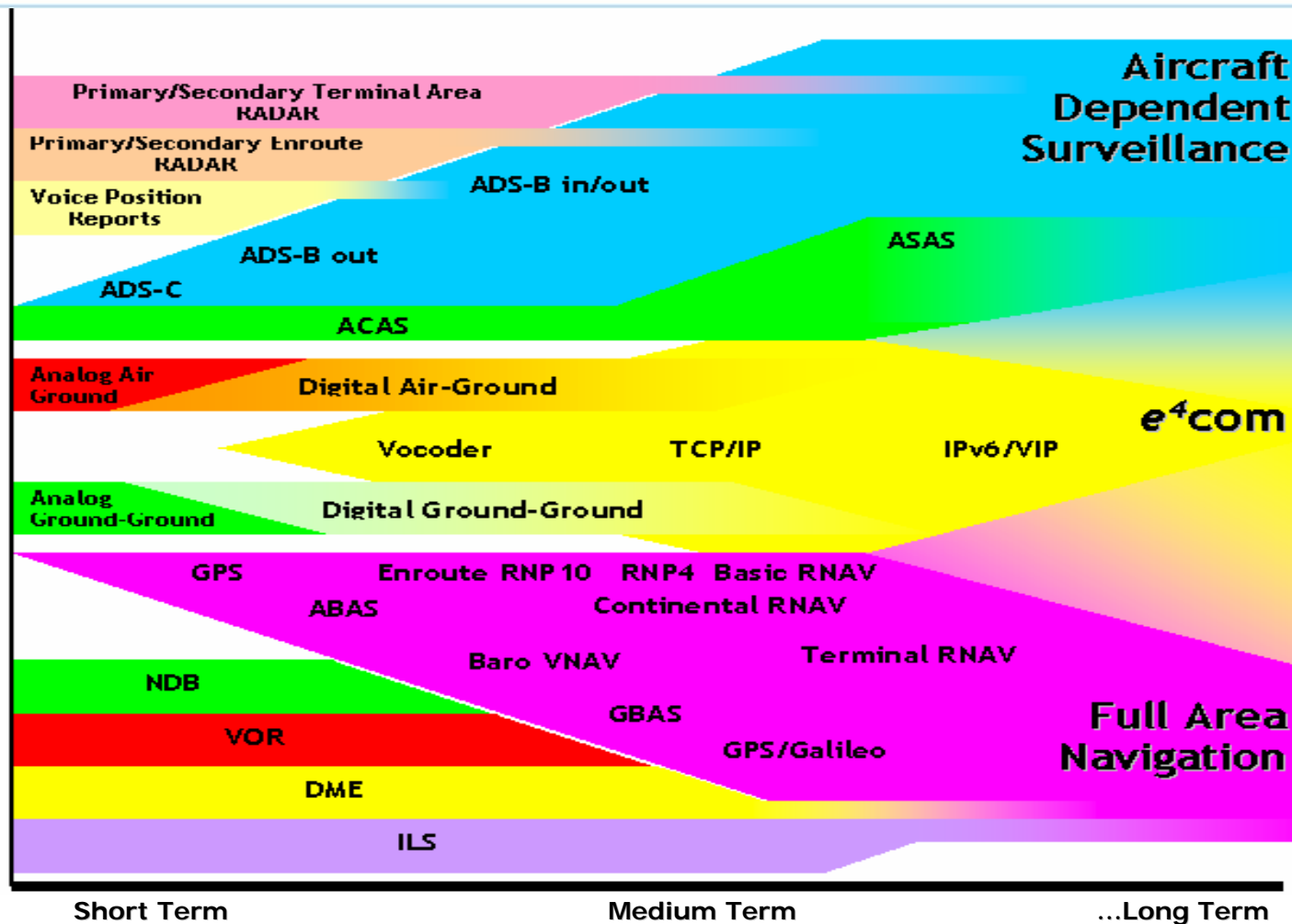
# ATM







W  
E  
C





## 27 items to be implemented between 2005 and 2010/2012

- |                                    |                                     |
|------------------------------------|-------------------------------------|
| 1. Flexible Use Airspace           | 15. Enhance Runway/Taxi/Apron       |
| 2. Align Upper Airspace            | 16. Implement RVSM                  |
| 3. Collaborative Airspace Design   | 17. Harmonise Level Systems         |
| 4. En-route Area Navigation - RNAV | 18. Implement RNP 4 Separation      |
| 5. Capability Based Navigation     | 19. Implement RNP 1 Separation      |
| 6. Dynamic Route Management        | 20. Implement Capability Separation |
| 7. Implement WGS-84                | 21. Automation of Basic Functions   |
| 8. RNP/RNAV Approach/Departure     | 22. Data Link Applications          |
| 9. RNP/RNAV SIDs/STARs             | 23. Improved Traffic Surveillance   |
| 10. Optimised Arrivals             | 24. Standardize Data Set Format     |
| 11. Enhance Traffic/Capacity Mgt   | 25. Electronic Data Services        |
| 12. Runway Capacity Benchmarks     | 26. Improve Information Exchange    |
| 13. Enhance Runway Performance     | 27. Best Practices                  |
| 14. Improve Movement Area          |                                     |



# Industry Global ATM Roadmap

- 11<sup>th</sup> ANC acknowledged IATA Roadmap
- ICAO May 04 – requested industry consensus
- Oct 04 – industry delivered global ATM Roadmap
  - FAA, Eurocontrol, Boeing, Airbus, Thales, Honeywell, Rockwell Collins, ARINC, SITA, INMARSAT.....
  - IBAC, CANSO.....
- Jan 05 ICAO – integrate Roadmap into Global Plan
  - Reissue Global Air Navigation Plan
  - Regional implementation templates



## Next Steps?

➤ How do we harmonize global infrastructure?



Thank You

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