



# Inter-Regional Co-ordination and Harmonization Mechanisms

Harmonization of Air Navigation Systems

Presented by MID Region

# MID Accreditation Area

Afghanistan

AFG

Lebanon

LEB

Bahrain

BAH

Libya

LIB

Cyprus

CYP

Oman

OMA

Egypt

EGY

Pakistan

PAK

Iran

IRA

Qatar

QAT

Iraq

IRQ

Saudi Arabia

SAU

Israel

ISR

Sudan

SUD

Jordan

JOR

Syria

SYR

Kuwait

KUW

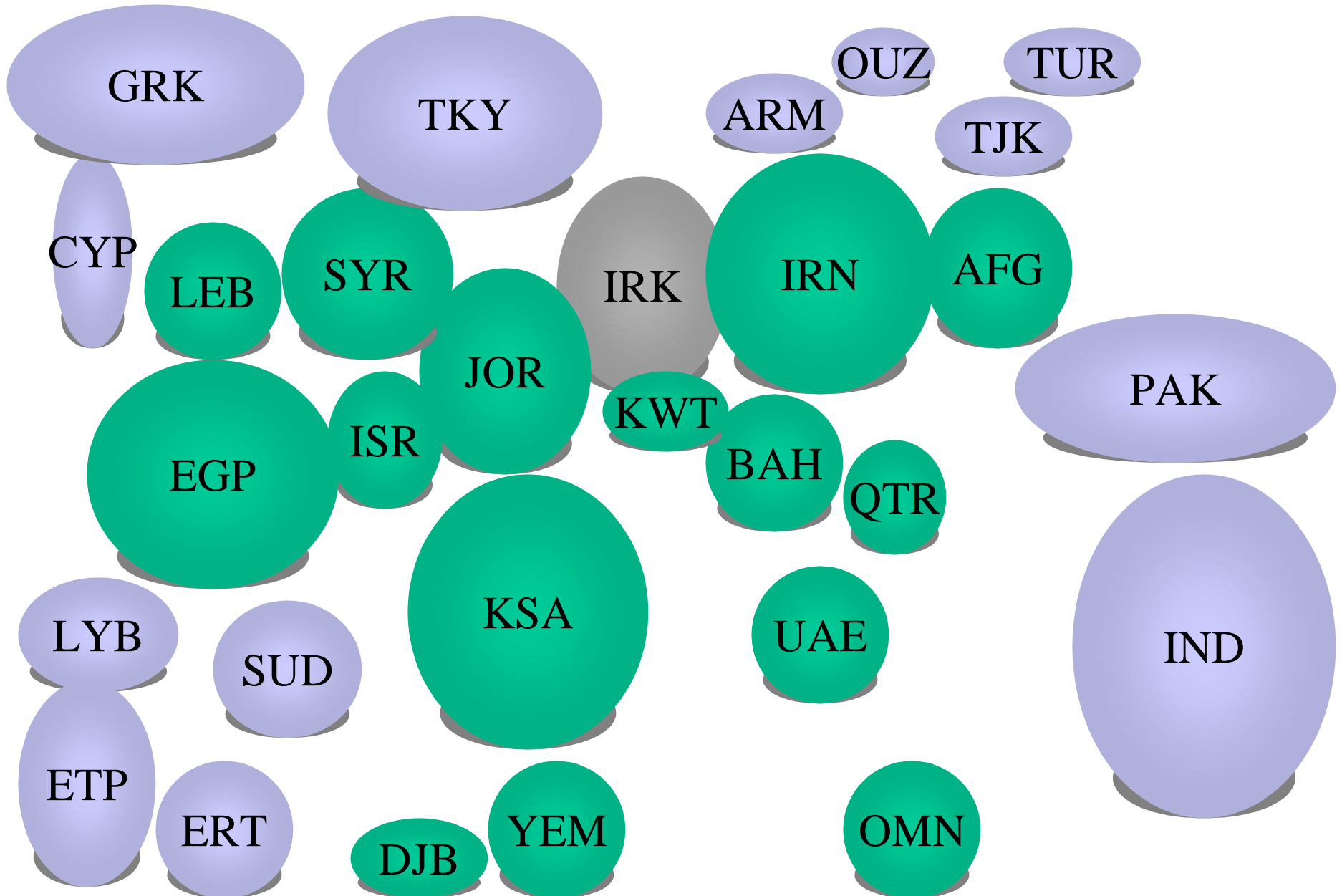
UAE

UAE

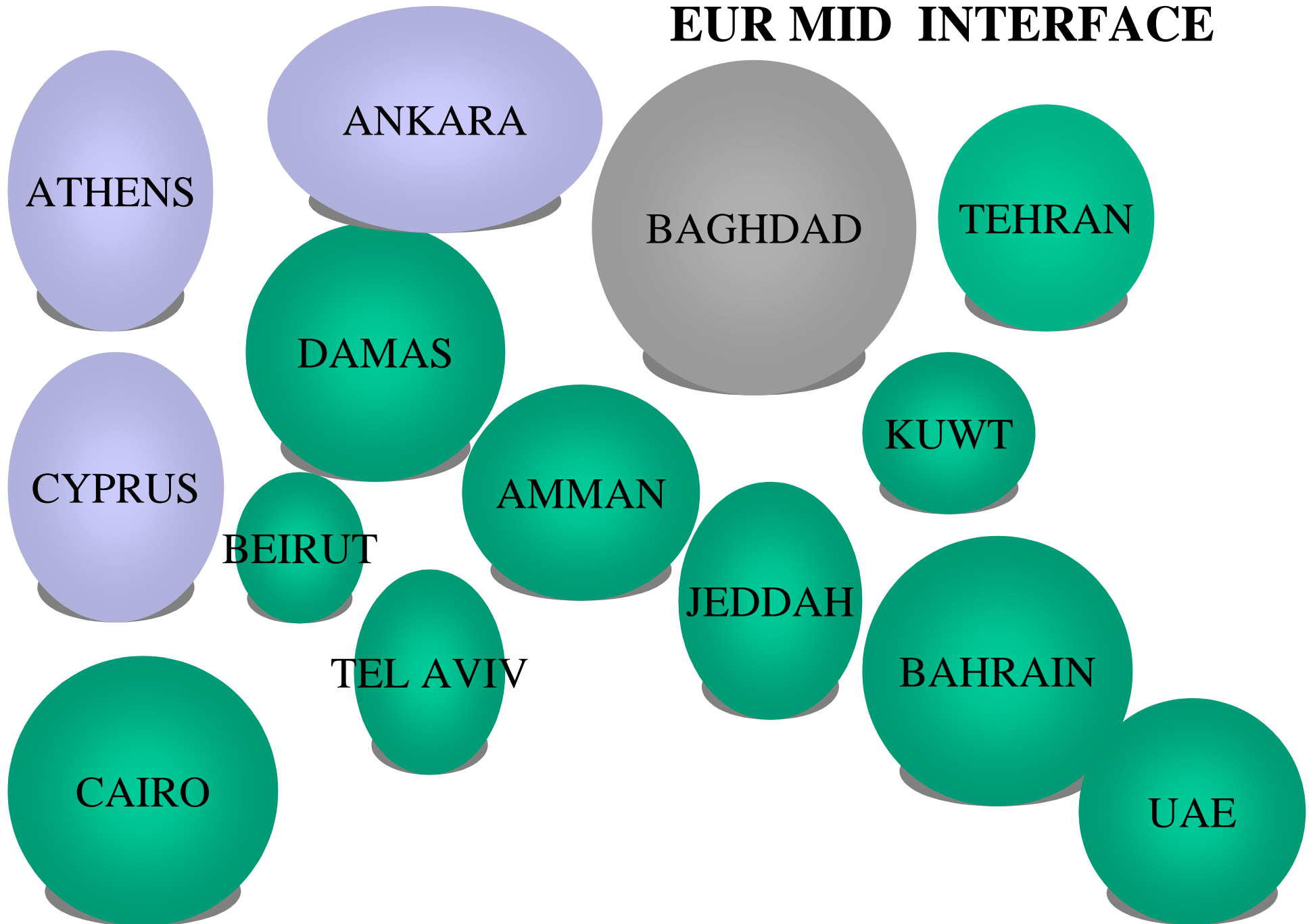
Yemen

YEM

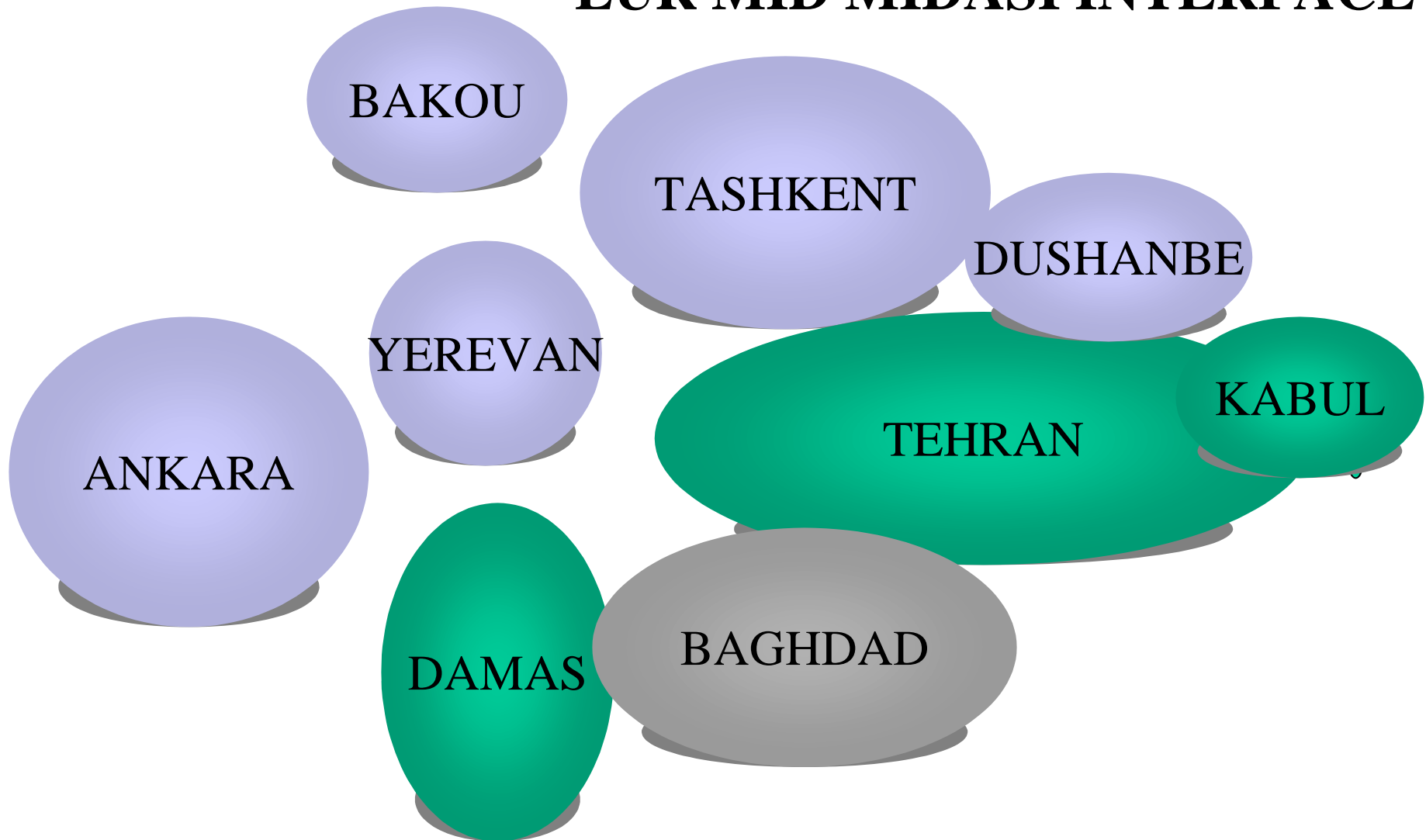
## 15 MID Provider and Adjacent States



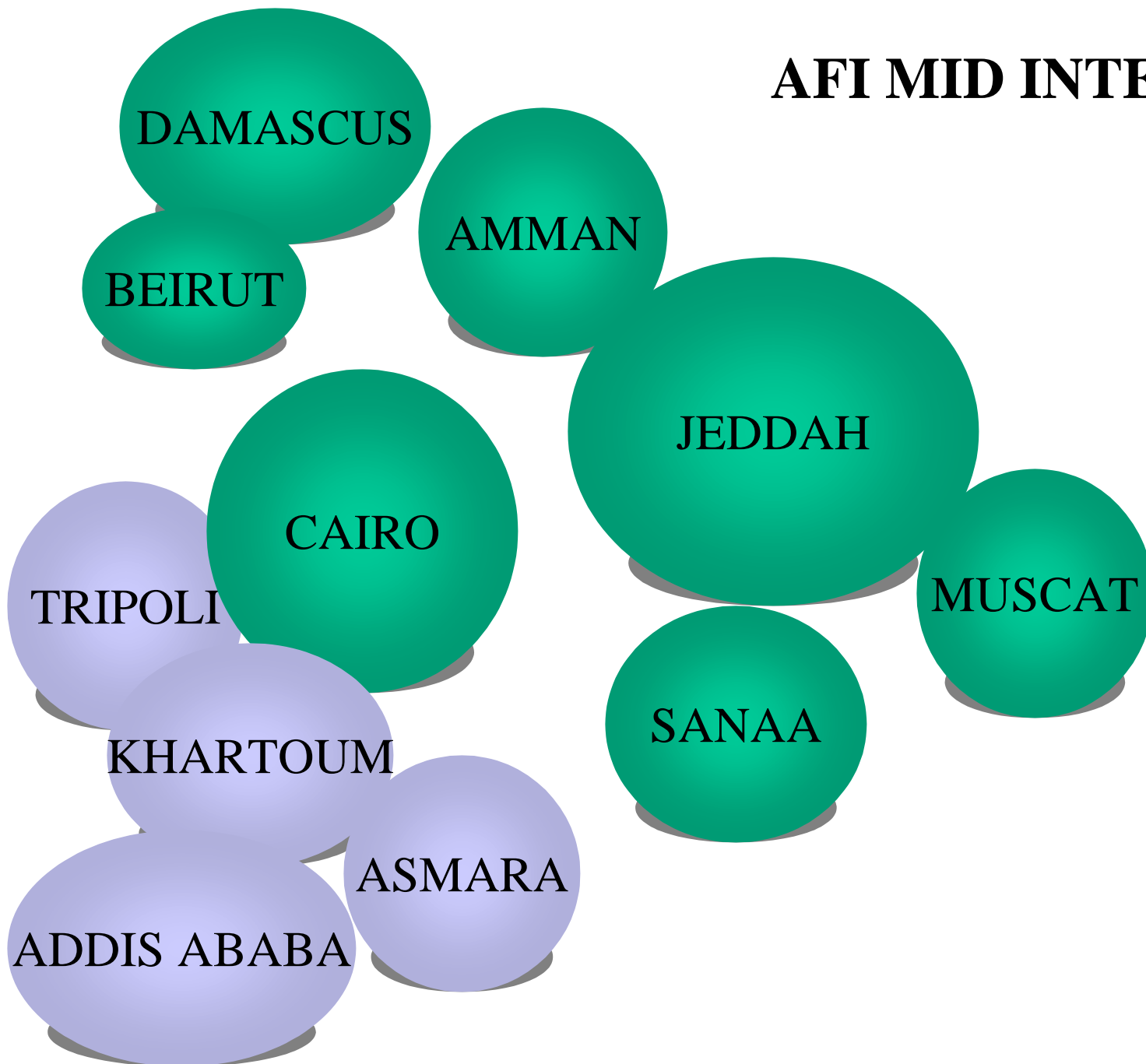
# EUR MID INTERFACE



# EUR MID MIDASI INTERFACE

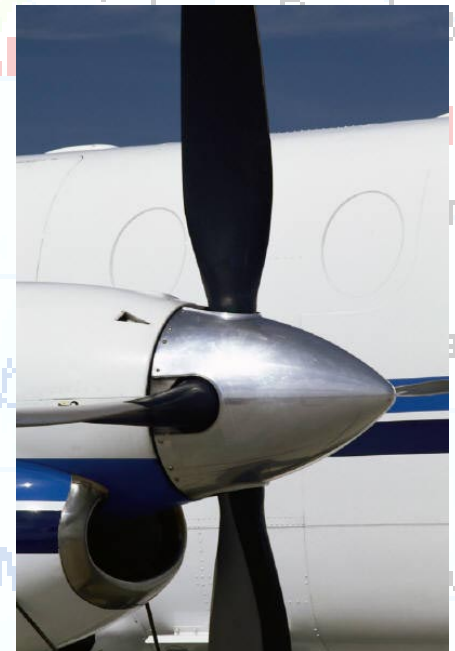


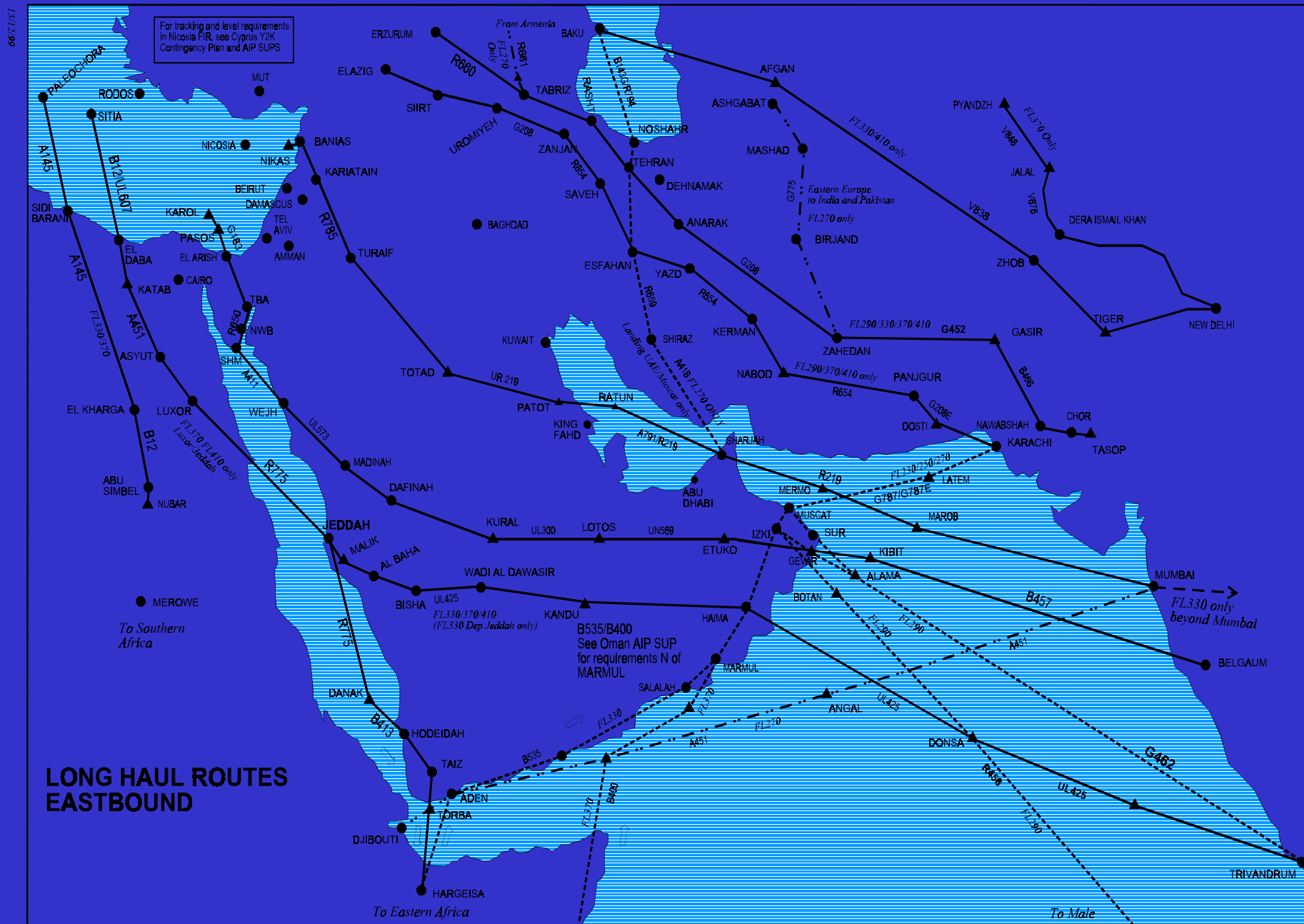
## AFI MID INTERFACE



# MID ATS Route Network

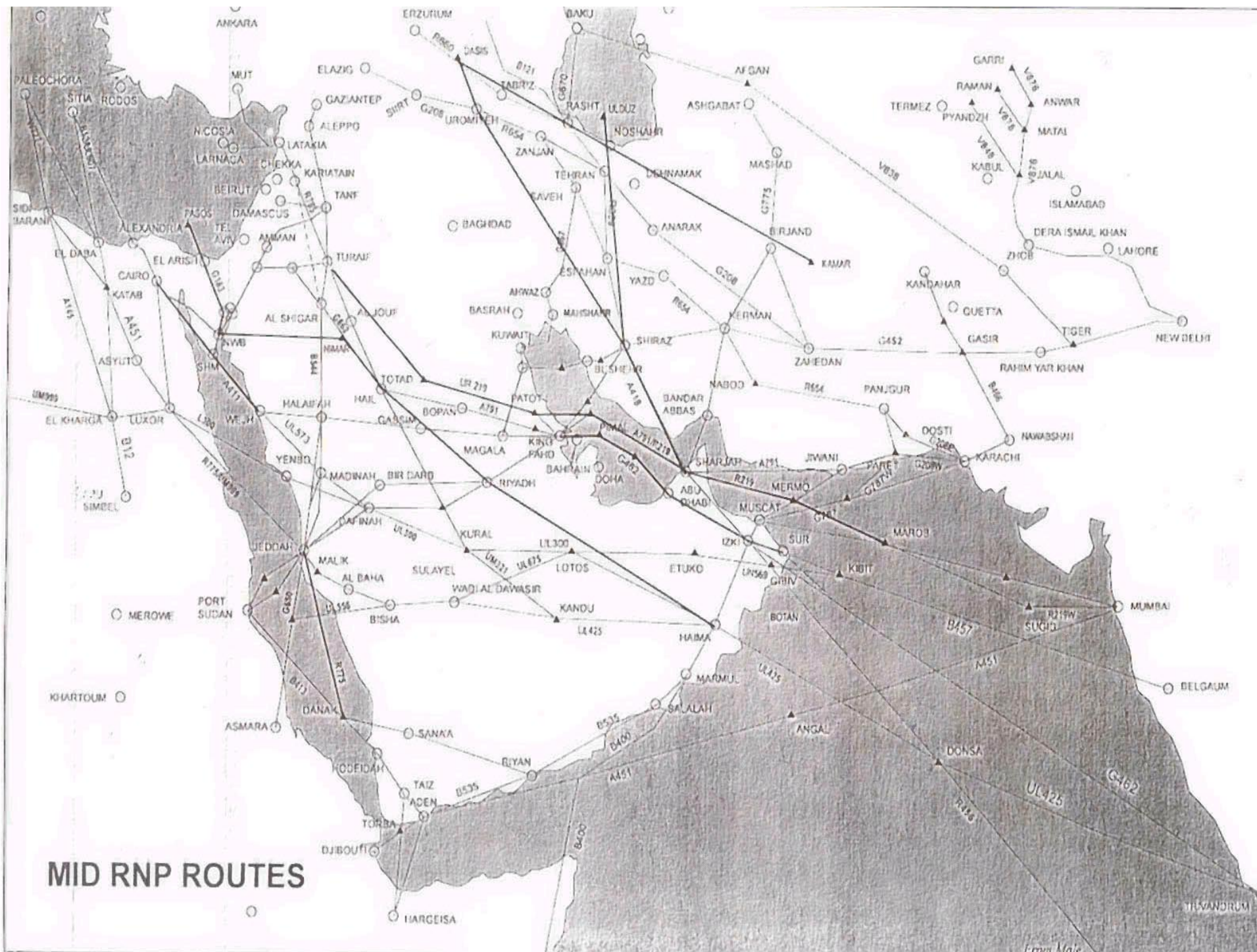
- 51 of 89 ATS routes implemented
- Europe - Middle East ATM Coordination Bureau (EMAC)
- 1st IRCM meeting: Revised ATS Route Structure proposed





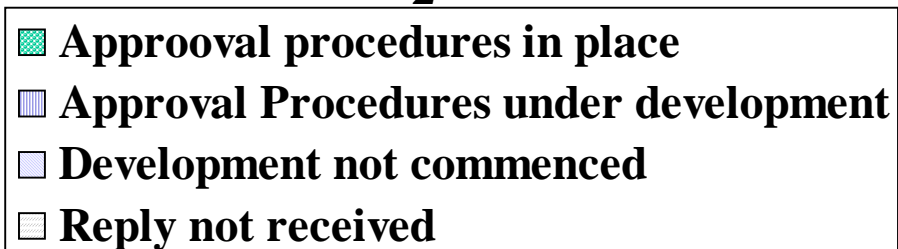
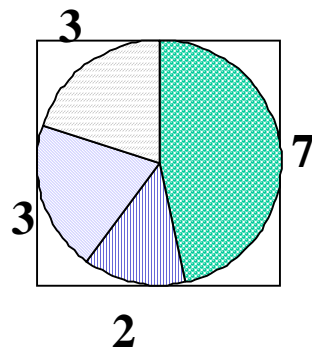






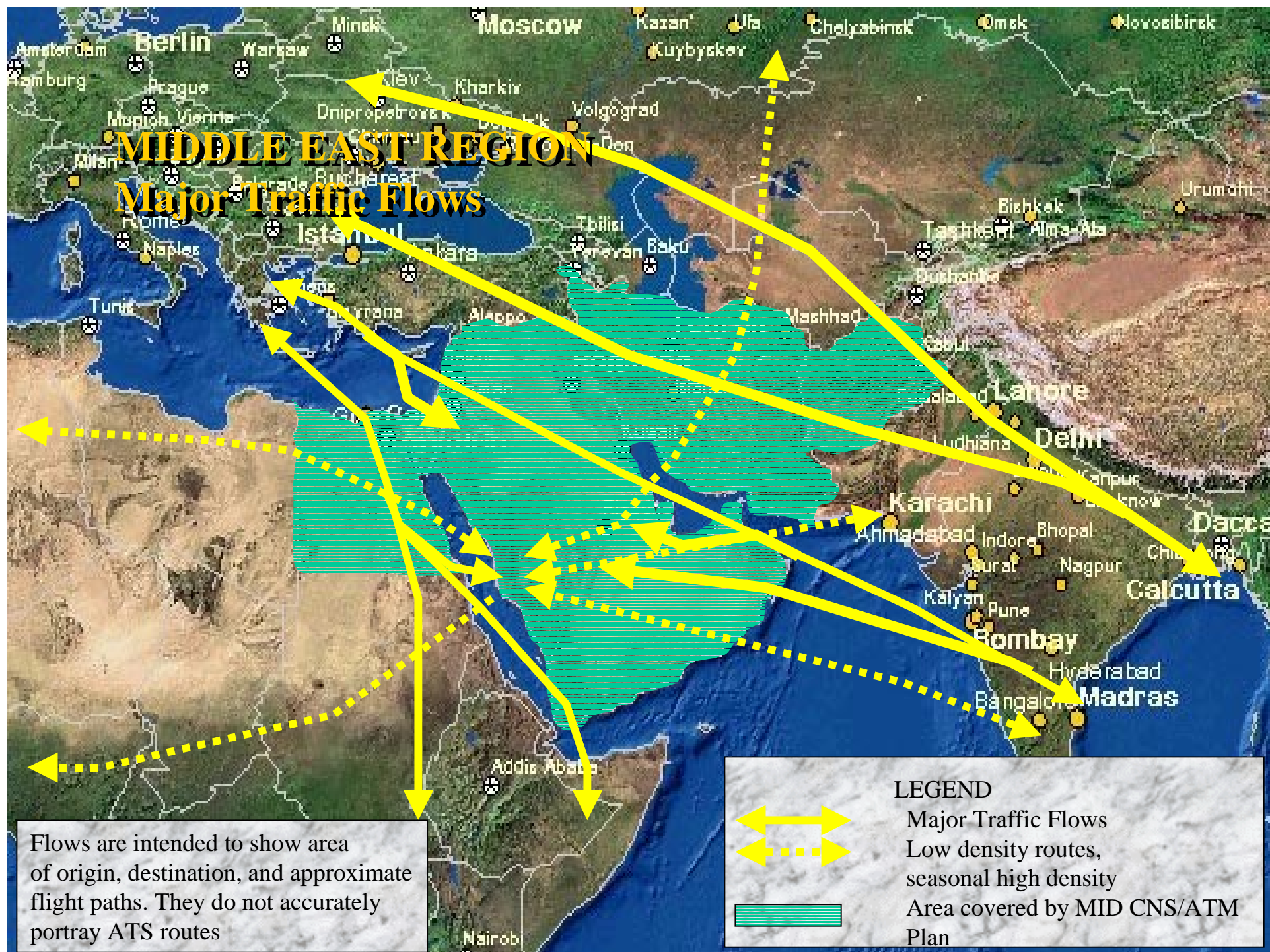
# RNP/RNAV

## MID RNP5 APPROVALS STATUS (June 2000)



- Central Monitoring Agency to be provided by U.A.E
- No ICAO guidance material relating to airworthiness / operational approval for RNP5 ops.
- MIDANPIRG/6: Progressive introduction route by route





# RSVM

- **MID Target date for RSVM: 2003**
- **EUR/MID interface**
- **EUROCONTROL**
- **Implementations costs**
  - **Operators / ATS Providers**
  - **Funding Mechanism is needed**
- **MID RVSM Task Force**
- **WGS-84: 10 of 15 States utilizing standard reporting format**

# RSVM - Coordination with Asia/Pac

- Asia / Pacific RSVM TF/8 (Aug 00)
  - Proposed RSVM implementation South of Himalayas Route :Decision to be taken
  - Agreed to undertake data collection for readiness assessment
  - MID RSVM TF participation to be considered by MID
  - All MID States will be invited to ASI PAC RSVM Seminars

# GNSS

- Not approved means of navigation in most MID States
- ICAO guidance material are needed , Some examples available
- Target date for en-route and non-precision approach: 2002
- AIRAC date should be determined soon

# GNSS Cont.

- States not having done so are urged to:
  - authorize GNSS for en-route and non-precision approaches
  - Establish multidisciplinary GNSS implementation teams
  - work towards filling requirements for GNSS for introduction in 2002
- ISTB for MID Region: Demonstrations and trials tentatively scheduled for March / April 2001



A young boy with short brown hair, wearing a dark flight suit with patches, is sitting in the cockpit of an aircraft. He is holding a white handheld radio to his mouth and looking out the window with a smile. The cockpit interior is visible, including the window and some equipment.

# Communications

- Transition to ATN
  - AFTN-based AIDC procedure
  - to be replaced by ATN AIDC procedure
- Frequency Lists - under development
- VSAT - MIDANPIRG/6 encourages use
- AFTN Circuits - implemented;
- Interface AFTN /CIDIN in MID

# CONCLUSION

- Inter-Regional mechanism : PIRGs should support the interregional dialogue (inter-PIRGs) based on common goals
- Interregional activities are coordinated at the level of each of the sub-groups concerned