



ICAO CAIRO UNITING AVIATION

Common aeronautical VPN Project (CRV)

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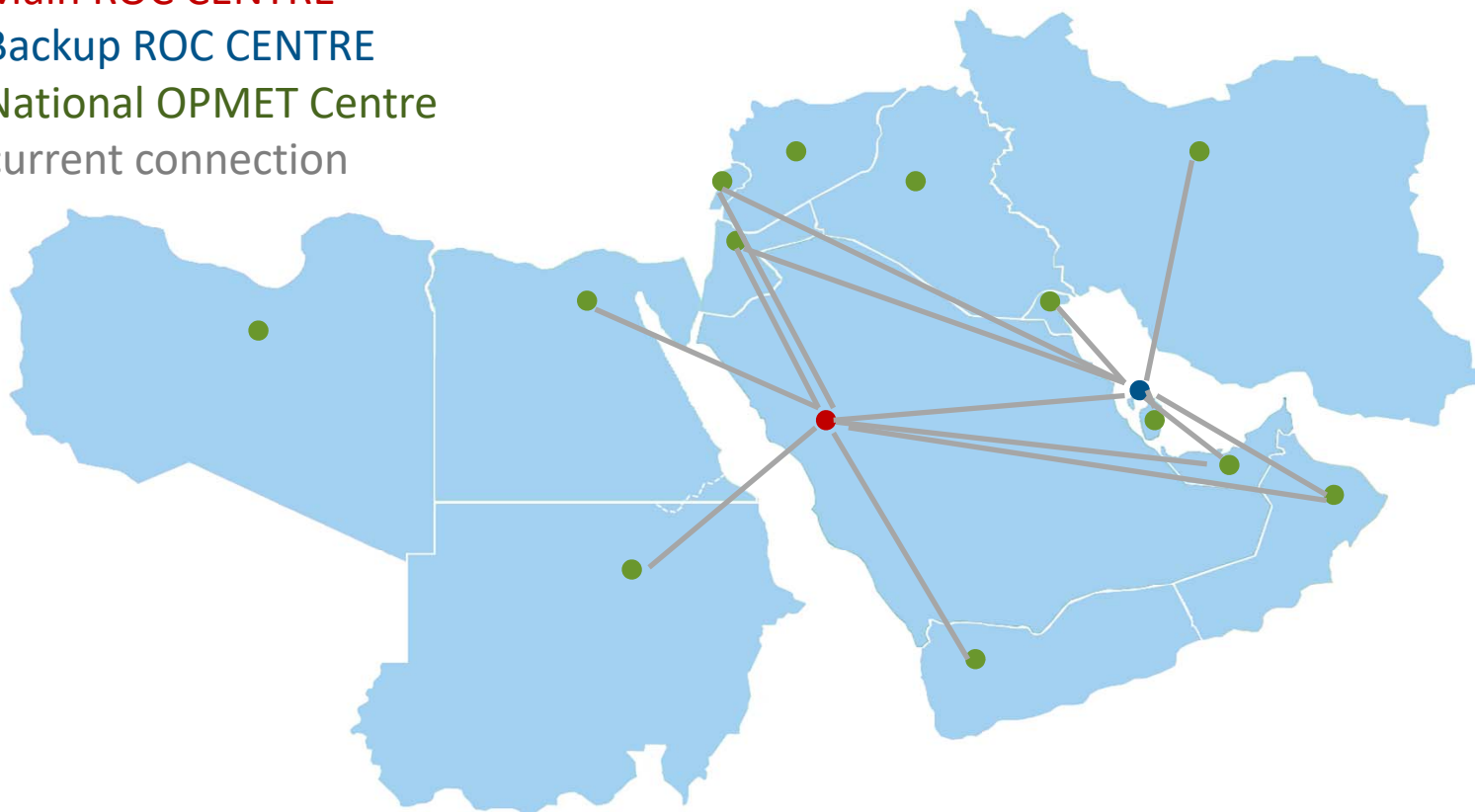
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- Main ROC CENTRE
- Backup ROC CENTRE
- National OPMET Centre
- current connection

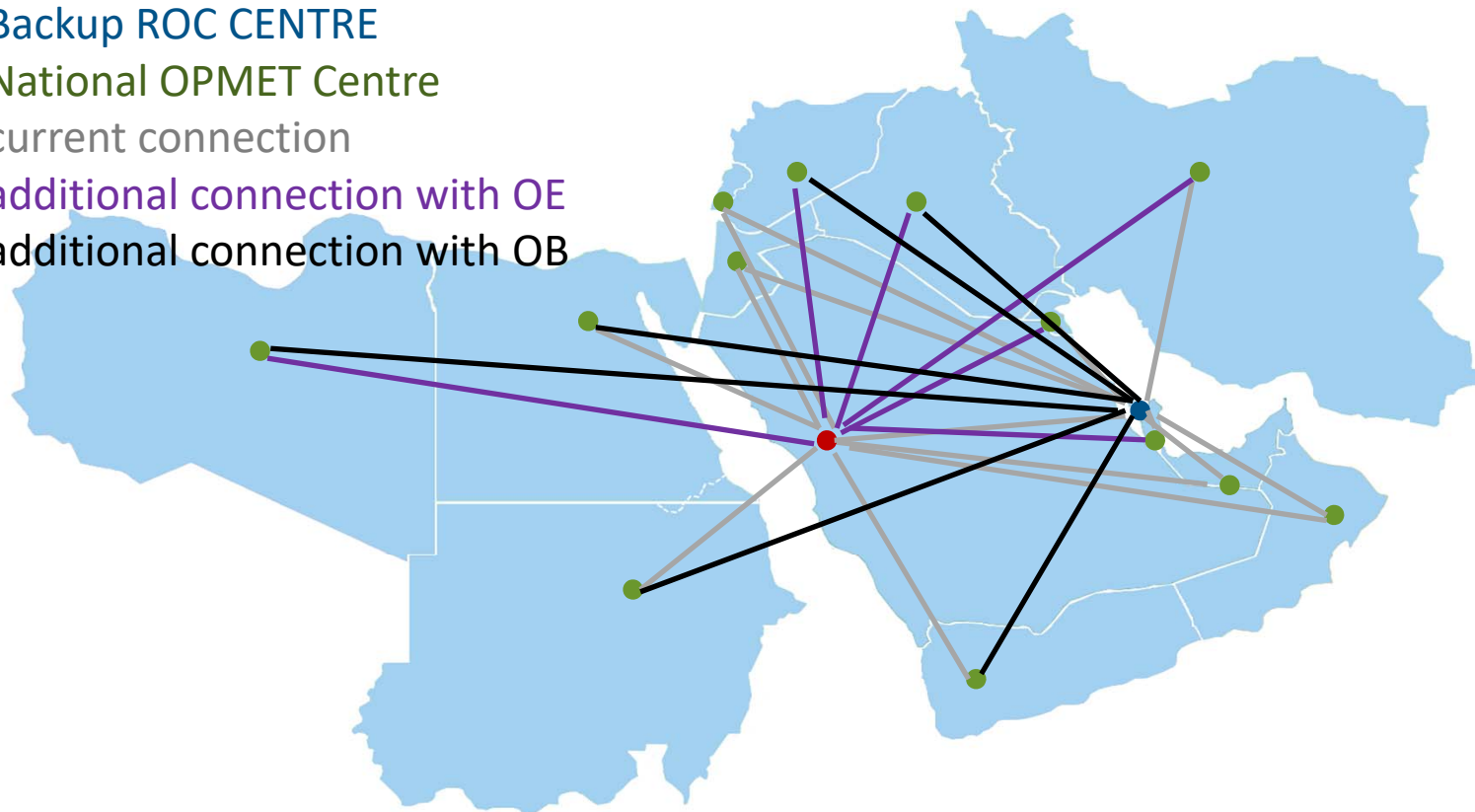




IWXXM Workshop recommends that State establish direct connection between NOCs and the Main and backup ROCs for better messages exchange performance



- Main ROC CENTRE
- Backup ROC CENTRE
- National OPMET Centre
- current connection
- additional connection with OE
- additional connection with OB

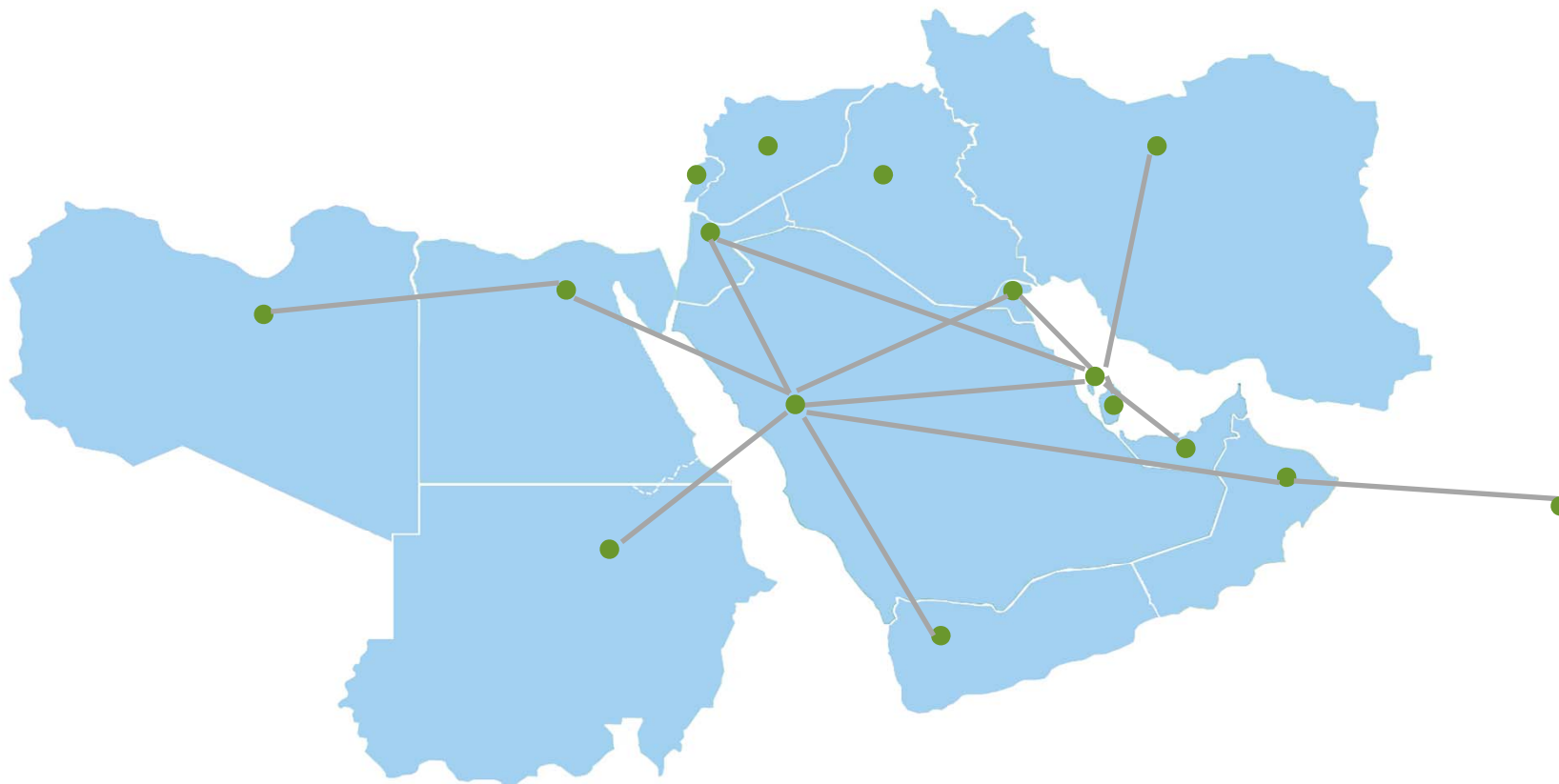




- 12 connections need to be established in the MID Region
- KSA needs to establish new six (6) connections
- Bahrain needs to establish new six (6) connections

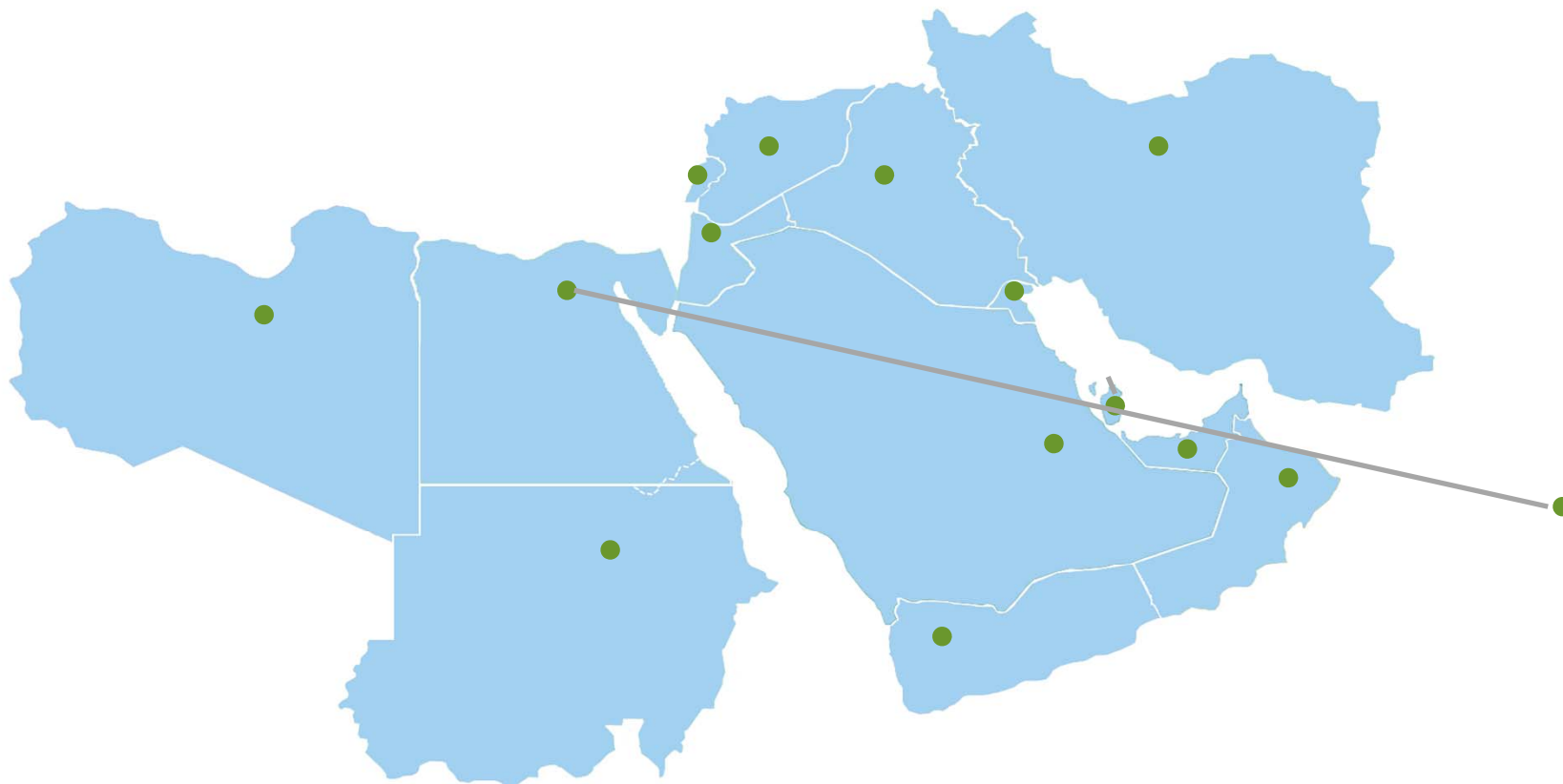


Today's Network





- Complex Routing in mixed environment (Basic AMHS, Extended AMHS, AFTN) might generate Non-delivery report (NDR)
- Store-and-forward principle in each relay Centre
- Traffic Loop





- Rationalize coordination for network management and enhancement (Shorter transit time, Simple network management)
- Single point of contact for failure (managed the whole Network by Service provider).
- Enable the exchange of future data models (AIXM, FIXM, IWXXM,...,etc.), thus enable the implementation of GANP modules (SWIM, FICE, AMET)
- Provide the infrastructure for implementation of ATFM and MID IFPS.
- Enables VOIP implementation
- Enables IPv4/IPv6 application implementations
- Respond to Air Traffic requirements in a timely and standardized manner



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THANK YOU