

CCO/CDO Implementation

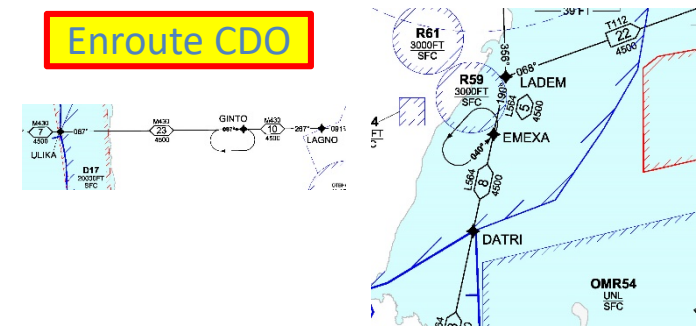
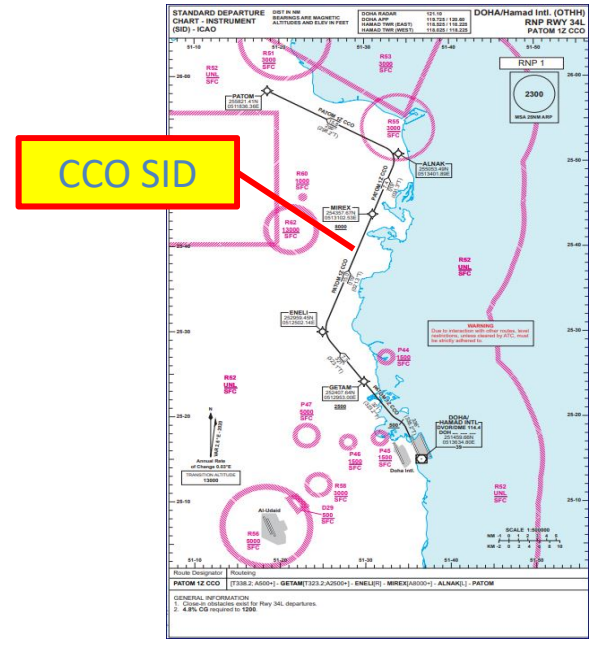
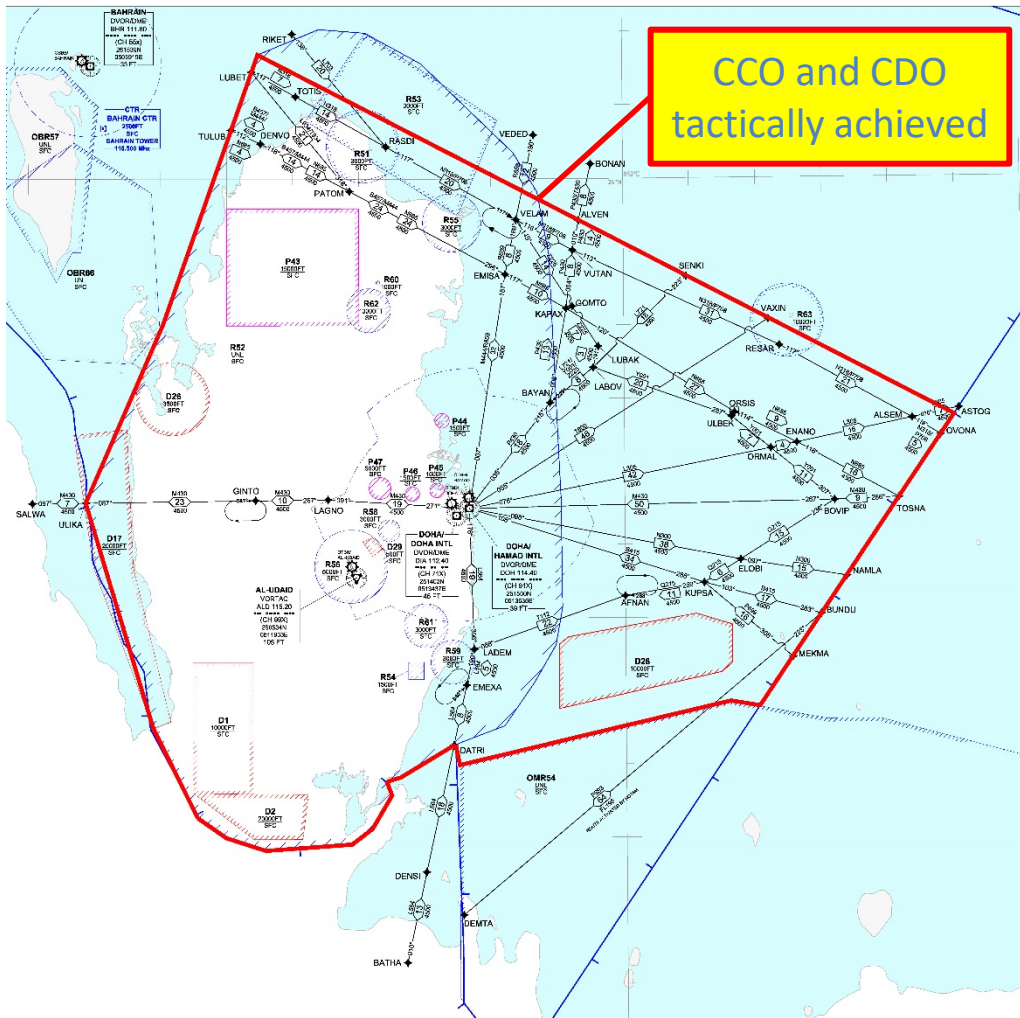
Doha TMA

PBN SG/6 Meeting
10 – 11 November 2021
State of Qatar

Outline

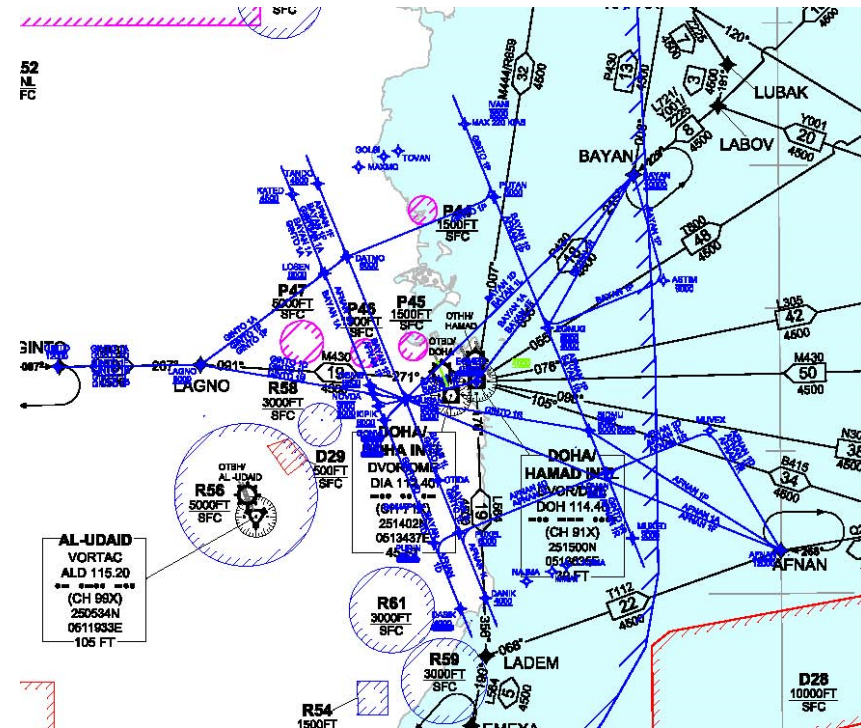
- CCO/CDO in Doha TMA
- Latest development on CCO/CDO
- Challenges and difficulties
- Future plans and Recommendations

CCO/CDO in Doha TMA



Latest development on CDO/CCO

- OPEN STARs were introduced within Doha TMA.
- Hard level constraints are avoided in the design of the new Open STARs assuring Continuous Descent Operations (CDO).
- Majority of SIDs/STARs interactions allow CCO profiles, where conflicts do occur, ATC tactical interventions are used to facilitate continuous climbs.



Challenges and difficulties

- Civil and military growing demands for airspace utilization.
- Constraints due to airspace restrictions and civil/military activities.
- Level flight restrictions to comply with LOA agreements with neighboring FIRs.

Future plans and recommendations

- Airspace re-design to accommodate the increasing capacity with the changing civil and military requirements.
- Intensify civil/military cooperation towards effective airspace management that accommodates flexible use of airspace.
- Promote mutual understanding among stakeholders to improve planning and execution of simultaneous operations enabling CCO/CDO.
- ICAO to organize or support the State on PBN related workshops and seminars.

- THANK YOU -