



FWC2022 TF/6

The Sixth meeting of FIFA World Cup 2022 Task Force

7-8 February 2022

Virtual Meeting



ICAO MID FIFA World Cup 2022 Task Force Sixth Meeting

FWC 2022 TF/6

Virtual, 7 – 8 February 2022



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Provisional Agenda:

Agenda Item 1: Adoption of the Provisional Agenda

Agenda Item 2: Regional Framework and Action Plan:

- **Update from Qatar**
- Review and Update FWC 2022 Roadmap and Operational Plan
- Update the FWC 2022 Action Plan

Agenda Item 3: Future Work Programme

Agenda Item 4: Any other Business



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Update from Qatar: ATFM Implementations

- ATFM (METRON Harmony) is planned to be available from mid-April 2022.
- Harmony receives all FPL and FPL messages via AFTN addressed to Doha. Harmony has the capability to input OAG Flight Schedule data.
- Harmony will also have live ADS-B data through a commercial application of FlightAware.



AN AIRBUS COMPANY



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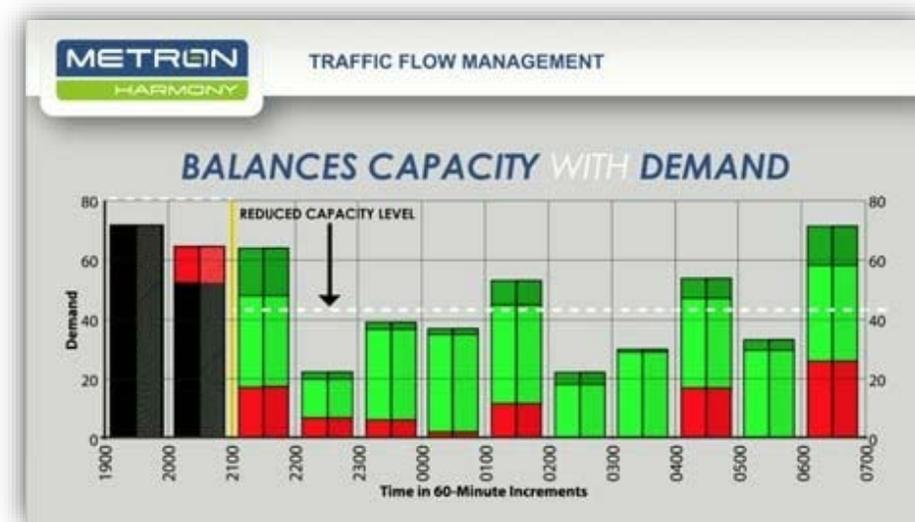
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ATFM

- Harmony – programmed with Capacity data (Sectors and Runways).
- Harmony assesses the demand against capacities and shows (graphical table and charts) the results. This will be displayed in operational areas.
- If Harmony predicts an over-demand, the ATFM Manager will input the requirements of throughput, duration of restriction and any exemptions.



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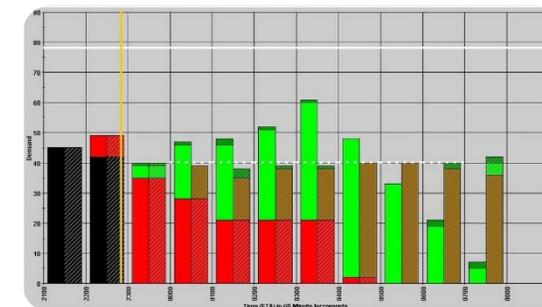
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ATFM

- The AFTM system models these requirements and supplies graphs of impact of the ATFM measure, total delay, maximum delay, average delay etc.
- It can be adjusted immediately with results shown immediately, once the ATFM Manager has reached a solution he can call a telcon to present to stakeholders.
- Harmony can show the impact/programme suggestion for a singular runway or exit point/SID or Entry point/STAR.
- Harmony can also generate a Flights Constraints Area (FCA) which highlights a particular area where demand exceeds capacity.



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ATFM

- If an Arrival GDP is created for Hamad International Airport (OTHH) then flights will be given CTOTs for their point of departure.
- If an Airspace flow programme was required for inbound flights to Hamad International (OTHH) a CTO will be issued.





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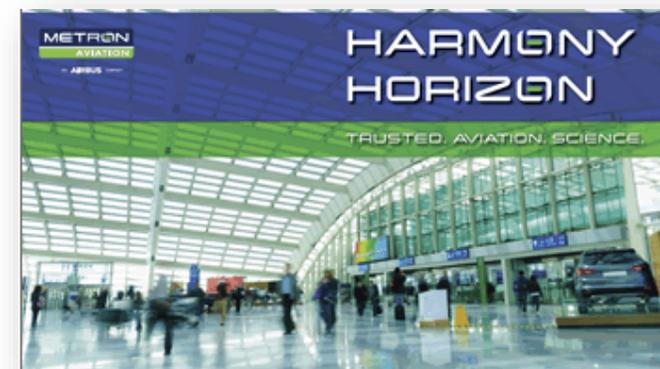
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ATFM

- For ATFM information to stakeholders (airlines and adjacent and affected ANSPs), a component of Harmony is called Horizon.
- Horizon provides the demand and capacity information but has no modelling or ATFM measure implementation.
- Web-based feature which is available to all interested parties (Web Client), subject to agreement with the Qatar Civil Aviation Authority (QCAA).
- Users of Horizon will have a map representation of aircraft within Qatar Airspace (the same as any ADSB mobile application) but will also view the demand expected and programmes implemented.





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ATFM

- If the adjacent ANSPs provide full FPL data to Harmony, they will also have a view of the demand through their airspace too.
- The State of Qatar intends to provide stakeholder training on the Harmony ATFM system, which includes adjacent ANSPs and interested parties, scheduled for March 2022 (TBC).





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Questions

THANK YOU

