



ATFM Information Exchange Planning in the Asia/Pacific Region

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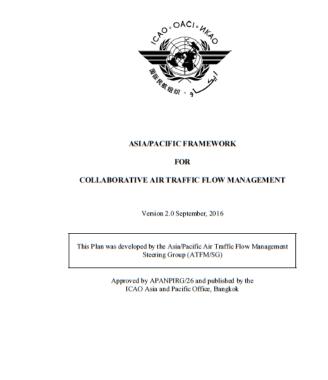






Asia/Pacific Framework for Collaborative ATFM

- (<u>Link</u>)
- Specifies ATFM information transfer expectations
- ATFM terminology
- ATFM system communications
- ATFM information distribution
- ATFM communication by AFS
- ATFM Phraseology





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ATFM Terminology

- Developed by ATFM Steering Group (ATFM/SG)
 - Team of international experts
 - Considered current terminologies in use globally by ATFMprovider States and organizations
 - Standardized terminology for all APAC States
 - Essential for interoperability and cross-border ATFM
 - Included in update ICAO Doc 9971 Manual on Collaborative ATFM
 - Minor diffs require Framework update





ATFM System Communications

• Framework states:

FIXM version 3.0 (or later), extended where necessary to accommodate additional regional requirements, is the agreed ATFM information exchange model for exchanging ATFM data between ATFM systems in the Asia/Pacific Region.







ATFM System Communications

- ATFM elements removed from FIXM version 4.0
- Not expected to be re-included until FIXM version 5.0 (2020)
- ATFM/SG/7 (May 2017)
 - Noted the lack of ATFM elements in FIXM
 - Significant barriers to cross-border ATFM in APAC
 - Contribute to failure to meet Framework timelines
 - Agreed to develop FIXM extension
 - In coordination with APAC SWIM/TF
 - Extension intended to be certified by FIXM CCB.



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ATFM System Communications

• 12 data attributes for Asia/Pacific FIXM Extension

Estimated	Calculated	Actual	Applicable
EOBT	COBT	AOBT	Terminal Gate
ETOT	СТОТ	ATOT	Departure Runway
ETO	СТО	ATO	RFIX or AFIX
ELDT	CLDT	ALDT	Arrival Runway

COBT and ETOT additional to Framework-defined minimum



ATFM Information Distribution

- <u>Networked</u>, web-based interface (network of all actors and stakeholders)
- Web-based interface directly to ATFMU responsible for constrained airspace/airport
- AFTN messages distributed to individual ATSUs (e.g. CTOT)
 - EUROCONTROL ATS Data Exchange Presentation (ADEXP)
- Email distribution (ATFM daily Plan) or
- Voice coordination
 - Phraseology (ATC to pilot) defined in Framework





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