

PHRASEOLOGY AND TERMINOLOGY IN HARMONIZED ATFM WORLD

Global 8 ATFM Conference

4 – 6 November 2014

Cancun, Mexico

Brian Flynn

Head of Performance,
Forecasting and Relations
Network Manager Directorate
EUROCONTROL

Stuart Ratcliffe

ATM and ATFM SME
Airbus ProSky / Metron

Piyawut Tantimekabut (Toon)

Engineering Manager
Network Operations ATM Centre
AEROTHAI

Background

- ATFM Terminology has been raised at the last 3 ATFM Conferences
- Unfortunately has not progressed any further
- CANSO APAC, with team members from various ANSPs, agreed to take on task at APAC ICAO SG 3 meeting

What do all these mean to you?

- ETD?
- EOBT?
- TOBT?

What do all these mean to you?

	ANSP	Airport Operator	Aircraft Operator
ETD			
EOBT			
TOBT			

What do all these mean to you?

- ETA?
- ATA?

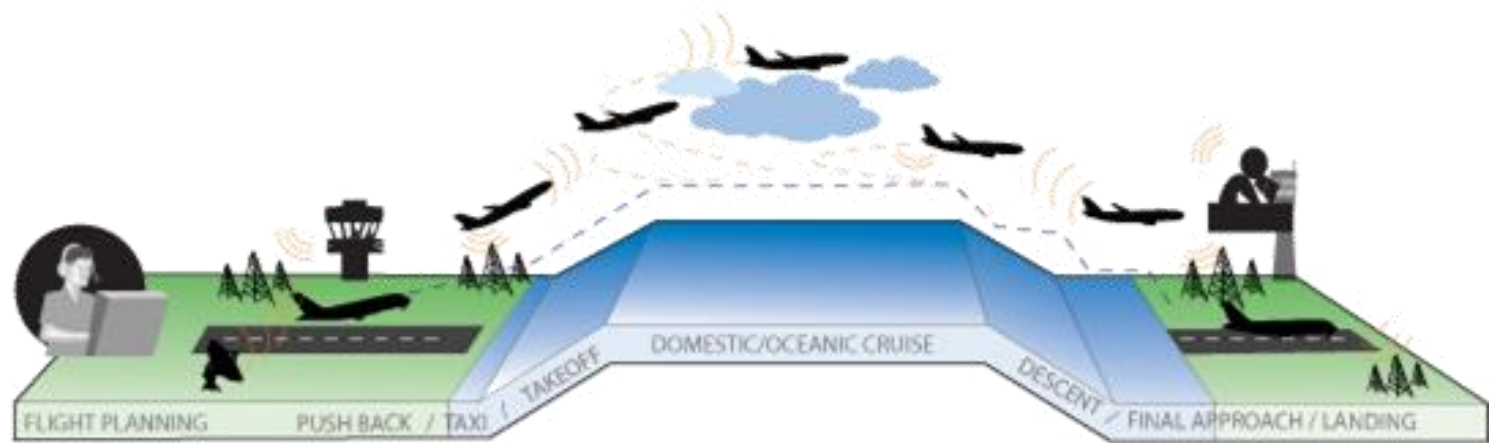
What do all these mean to you?

	ANSP	Airport Operator	Aircraft Operator
ETA			
ATA			

What do these mean to you?

- EDCT?
- CTOT?
- AWUT?

Phases of Flight and Status



Status

Off-Block

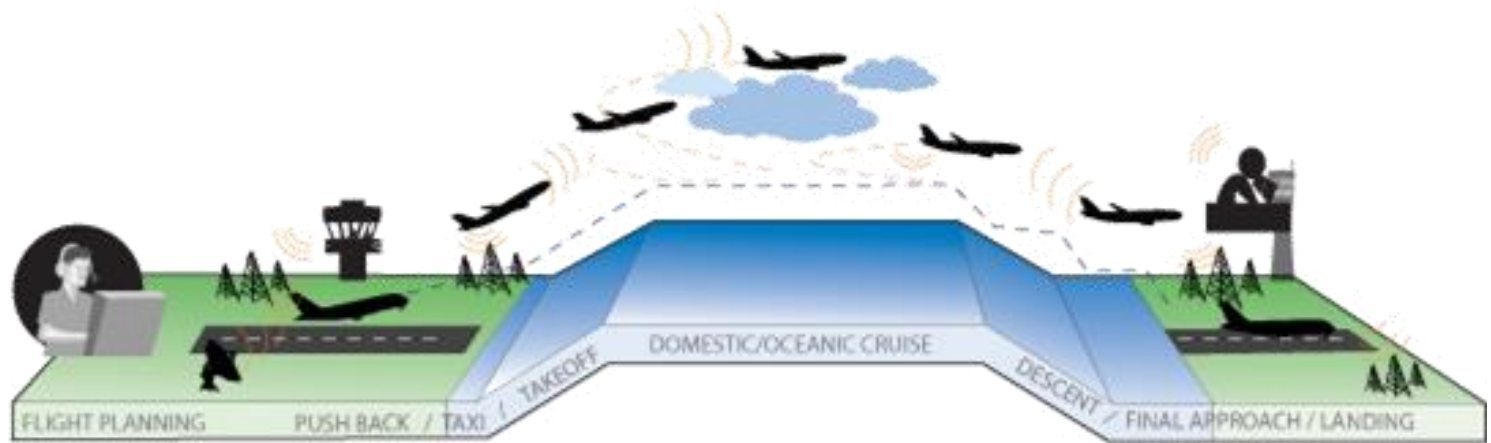
Take-Off

**Time
Over**

Landing

In-Block

Phases of Flight and Status



Status	Off-Block	Take-Off	Time Over	Landing	In-Block
Schedule	SOBT				SIBT
Estimate	EOBT		ETO	ELDT	EIBT
Target	TOBT	TTOT			
ATFM	COBT	CTOT	CTO	CLDT	CIBT
Actual	AOBT	ATOT	ATO	ALDT	AIBT

Asia-Pacific ATFM Phraseology (Draft)

Acronym	Description	Source / History
<i>General</i>		
AAR	Airport Acceptance Rate	ICAO Doc 9971, Australia, North America, South Africa
ADR	Airport Departure Rate	Australia, North America, South Africa
ASD	ATC Aircraft/Traffic Situation Display	Australia, EUROCONTROL, South Africa
AFIX	Arrival Fix	Australia, EUROCONTROL, Japan, North America, South Africa
CDM	Collaborative Decision-Making	ICAO Doc 9971

Asia-Pacific ATFM Phraseology (Draft)

Acronym	Description	Source / History
CDR	Conditional Routes	EUROCONTROL ASM Handbook
DFIX	Departure Fix	Australia, EUROCONTROL, Japan, North America, South America, FIXM 2.0
DMAN	Departure Manager	EUROCONTROL A-CDM
FCA	Flow Constrained Area	North America, South Africa, FIXM 2.0
FMP	Flow Management Position	ICAO Doc 9971, EUROCONTROL A-CDM
GDP	Ground Delay Program	ICAO Doc 9971
GS	Ground Stop	ICAO Doc 9971

Asia-Pacific ATFM Phraseology (Draft)

Acronym	Description	Source / History
IMC	Instrument Meteorological Conditions	ICAO Doc 4444
MINIT	Minutes in Trail	ICAO Doc 9971
MIT	Miles in Trail	ICAO Doc 9971
SID	Standard Instrument Departure	ICAO Doc 4444
SEVWX	Severe Weather	ICAO Doc ? Japan ? North America ?
STAR	Standard Terminal Arrival Route	ICAO Doc 4444
SUB	Slot Swapping	ICAO Doc 9971
VFR	Visual Flight Rules	ICAO Annex 11 FAA Section 91.155

Asia-Pacific ATFM Phraseology (Draft)

Acronym	Description	Source / History
VIS	Visibility	ICAO Doc ? Annex ?
VMC	Visual Meteorological Conditions	ICAO Annex 2
<i>Phase of Flight</i>		
SOBT	Scheduled Off-Block Time	EUROCONTROL A-CDM, FIXM 2.0
EOBT	Estimated Off-Block Time	ICAO Doc 4444, FIXM 2.0
TOBT	Target Off-Block Time	EUROCONTROL A-CDM, FIXM 2.0
TSAT	Target Start-up Approval Time	EUROCONTROL A-CDM, FIXM 2.0
COBT	Calculated Off-Block Time	Based on CTOT

Asia-Pacific ATFM Phraseology (Draft)

Acronym	Description	Source / History
AOBT	Actual Off-Block Time	EUROCONTROL A-CDM
STOT	Scheduled Take-Off Time	Based on A-CDM TTOT
PTOT	Planned Take-Off Time	Australia, South Africa
TTOT	Target Take-Off Time	EUROCONTROL A-CDM
CTOT	Calculated Take-Off Time	EUROCONTROL A-CDM, FIXM 2.0
ETOT	Estimated Take-Off Time	EUROCONTROL A-CDM, FIXM 2.0
ATOT	Actual Take-Off Time	EUROCONTROL A-CDM

Asia-Pacific ATFM Phraseology (Draft)

Acronym	Description	Source / History
ETO	Estimated Time Over	Needed for En Route ATFM, FIXM 2.0
CTO	Calculated Time Over	Needed for En Route ATFM, FIXM 2.0
PLDT	Planned Landing Time	Australia, North America, South Africa
SLDT	Scheduled Landing Time	Based on A-CDM, ELDT, Australia, South Africa
TLDT	Target Landing Time	EUROCONTROL A-CDM, FIXM 2.0
CLDT	Calculated Landing Time	Based on A-CDM CTOT and ALDT

Asia-Pacific ATFM Phraseology (Draft)

Acronym	Description	Source / History
ELDT	Estimated Landing Time	EUROCONTROL A-CDM
ALDT	Actual Landing Time	EUROCONTROL A-CDM
SIBT	Scheduled In-Block Time	EUROCONTROL A-CDM
CIBT	Calculated In-Block Time	Based on A-CDM CTOT and AIBT
AIBT	Actual In-Block Time	EUROCONTROL A-CDM

Why do we need Standard Terminology?

- Common understanding amongst all ANSPs
- Basis for Technical content of ATFM messages
- FIXM definition
- Coordinated with the FIXM team for consideration for future development
- International standardized ATFM Terminology

Next Steps

- Presented to ICAO APAC ATFM/SG : 1-5 December 2014
- Integration into ICAO APAC Regional Framework for Collaborative ATFM
- Integration into ICAO Manual on Collaborative ATFM (Doc 9971)

Thank you