ATFM

An Aircrew's Perspective



ATFM SG/2

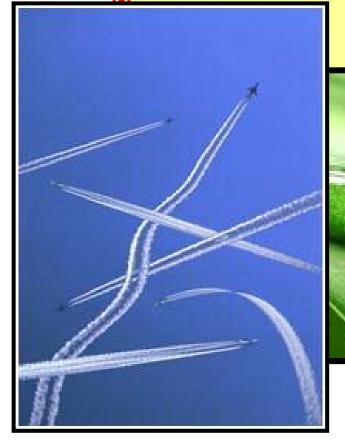
30 Sept 2013



- Why ATFM is good
- Some Flight Issues
- Impact on Crew Training
- Improving Safety
- Minimizing Costs



WHY ATFM IS GOOD







- Improves Capacity and Operational Efficiency provides better FL availability and airline Delay Management
- Predictability Fuel, Time and Operations impact crew scheduling & operational costs
- Harmonized Airspace Design and Streamlined ATM Procedures - Improved Flight Performance, ATM Compliance and better Environmental Sustainability.
- Seamless Transition from one FIR to another less operational errors and improved efficiency
- Wholistic approach Departure to Destination consideration – improve safety





- Better predictability accurate realtime information - improved Fuel and better Flight Time management
- Compliance to Crew Flight Time Limitations
- Better anticipation and handling of ground delays
- Support airport's A-CDM



- Better on time performance accurate gate pushback and airborne time
- Predictable Runway usage and SID compliance
- Less ground delays and passenger rage incidents
- Climb to optimum FL



- Better Cruise FL options flight at/close to Optimum cruise FL
- Seamless transition from FIR to FIR
- Focused communications between ATC/pilots
- Improved situational awareness overall
- Less en-route Holdings



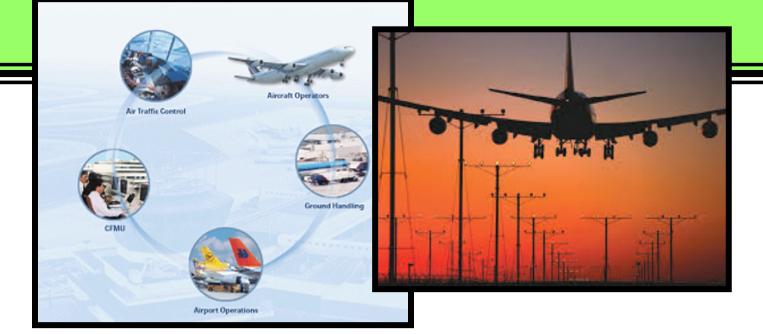
- Easier interface with CDOs
- Minimal ATC vectors
- Less arrival Holdings
- Early advice on STAR and landing runway
- More crew preparation time for contingencies – weather, approach aids unserviceability, malfunctions, etc >>>improved safety



- Lesser delays on arrivals
- Earlier landing runway notification and better pilot preparation for landing and weather interface – less landing incidents
- Better on-time performance at gate
- Lesser passenger rage incidents due delays
- Improved passenger onward connections on arrival



IMPACT ON CREW TRAINING





- More focused crew training wrt to CNS/ATM
- Less Fragmented and more Streamlined training
- Minimizes unnecessary crew interface with aircraft equipage – reduce cockpit workload
- Minimizes overall initial training and recency training costs



IMPACT ON FLIGHT SAFETY







- Better understanding of system constraints and operational limitations
- Collaborative approach to decision making with stakeholders participation
- Streamlined and focused operations >>>improve safety
- Lesser unnecessary tactical intervention >>>better safety
- Less uncertainty >>> less pilot/ATC errors in communications, compliance and coordination



COST IMPACT





- Capacity & Efficiency reduces fuel, time and operational costs
- Regional ATM harmonization reduces unnecessary CNS equipage investment costs
- Less in-flight diversions
- Predictability impacts crew scheduling costs
- Focused training minimizes training costs
- Reduce unnecessary Ground & Passenger handling costs
- Reduced passenger compensation
- Improved aircraft and passenger opportunity earnings
- Better safety saves money for everyone



- Don't rush in into ATFM existing capacity has to be optimized to ensure continuing efficiency
- Flow management is more than just reducing on ground delays
- Users and all stakeholders must be involved – collaborative decision making – IATA, IFALPA, AAPA, IBAC etc
- ATFM should address Multi FIRs to realize a wider benefit



THANK YOU