

EASA NPA 2012-02 (EFB)

Position of the airline industry
by



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EFB Goals

- Enhance flight safety
- Improve fuel efficiency
- Optimize Flight Ops processes

Safety by EFB

- support situational awareness
 - Better information display (graphical wx info on charts vs text)
 - Quick orientation on charts, a/c position
 - update information during flight (connectivity)
- Reduce pilot workload
 - combine information in one place vs scattered in briefing documents
 - Performance calculation vs RWY weight charts
- Reduce errors
 - Xcheck FMS data vs EFB performance data
 - Replace charts by calculation programs

Fuel efficiency by EFB

- Safe and economic decision by better informations
 - More accurate aeronautic information
 - Information updates during flight (connectivity)
- On-board computer performance optimization
 - Takeoff and landing performance
 - Inflight 4D performance optimization
- Reduce weight
 - Reduce paper on flightdeck

Flight Ops optimization by EFB

- Missions support
 - Connect FlightOps and Flightcrews (messaging)
 - Inflight access to operator information systems
- Optimize processes by going digital
 - Reduce costs for paper processes
 - Digital processes more flexible (sw update)

Key regulation issues

- Clarity and predictability of regulation requirements and definitions
- Provide guidelines for approval processes
- Allow evolution of system and functions
 - New hardware generations and types
 - Interconnection of systems / Connectivity