



MINISTERIO
DE FOMENTO



Initial approval of an EBT programme – EASA EBT checklist

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Cologne 21-May-2019

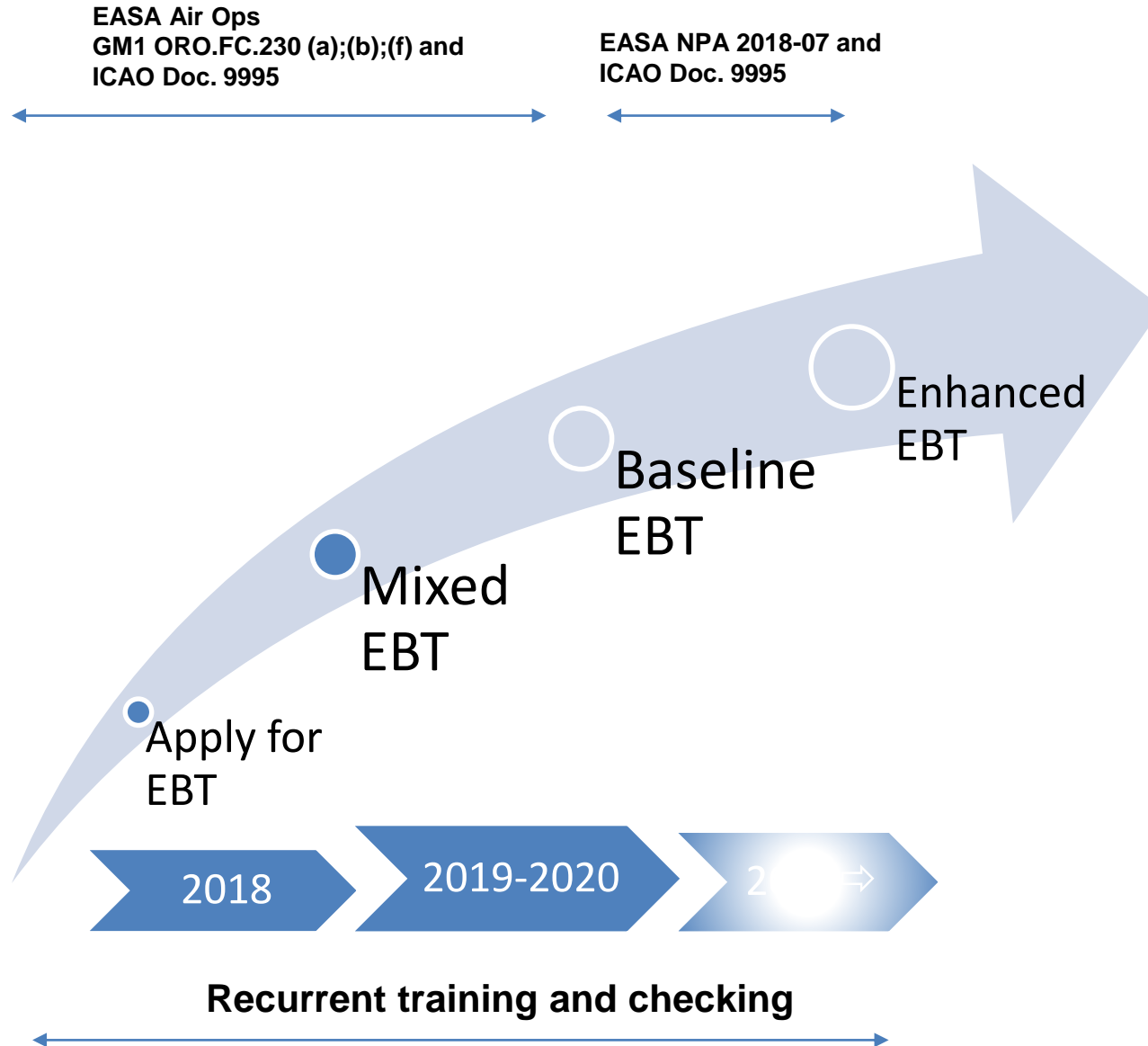
1. Regulation
 1. Primary legislation and references
2. Implementation Plan
 1. Time implementation
 2. Initial conditions
3. Initial approval
 1. Instructor course
 2. Evaluate MOD
 3. Final mixed approval
4. Mixed implementation
 1. Additional considerations



Primary Legislation and References

- Decision 2015/027/R ⇒ Explanatory Note
 - ⇒ Annex I: **GM1 ORO.FC.230 (a);(b);(f) Recurrent training and checking. EASA Air Ops Part ORO**
 - ⇒ Manual of Evidenced-based Training. ICAO Doc 9995
- EASA Safety Material: Oversight Guidance for the transition to EBT Mixed Implementation <https://www.easa.europa.eu>
- Notice of Proposed Amendment 2018-07(B). EASA
- Evidenced-based Training Implementation Guide. IATA





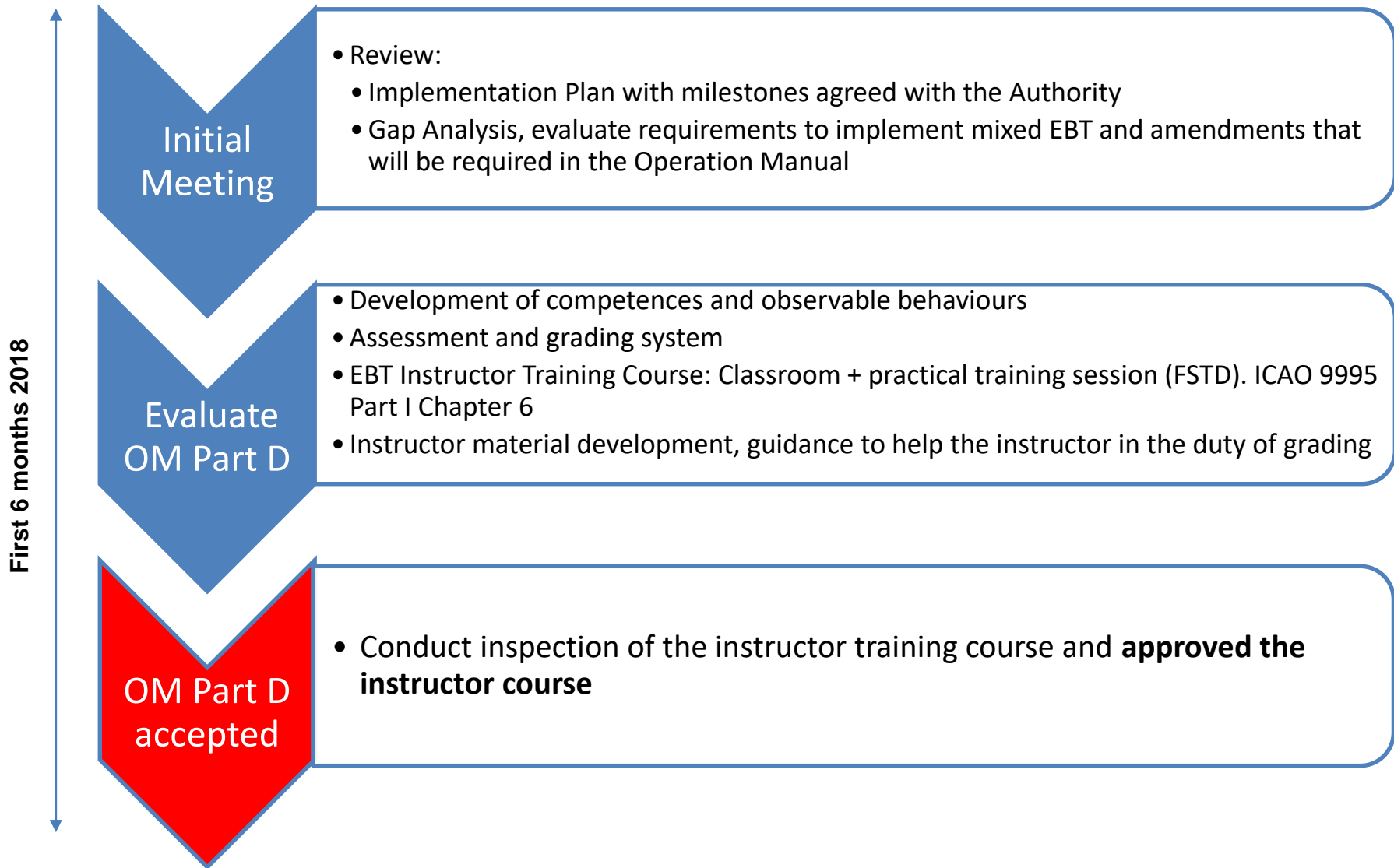
Operator ⇨ ARO.OPS.226 NPA 2018-07(B)

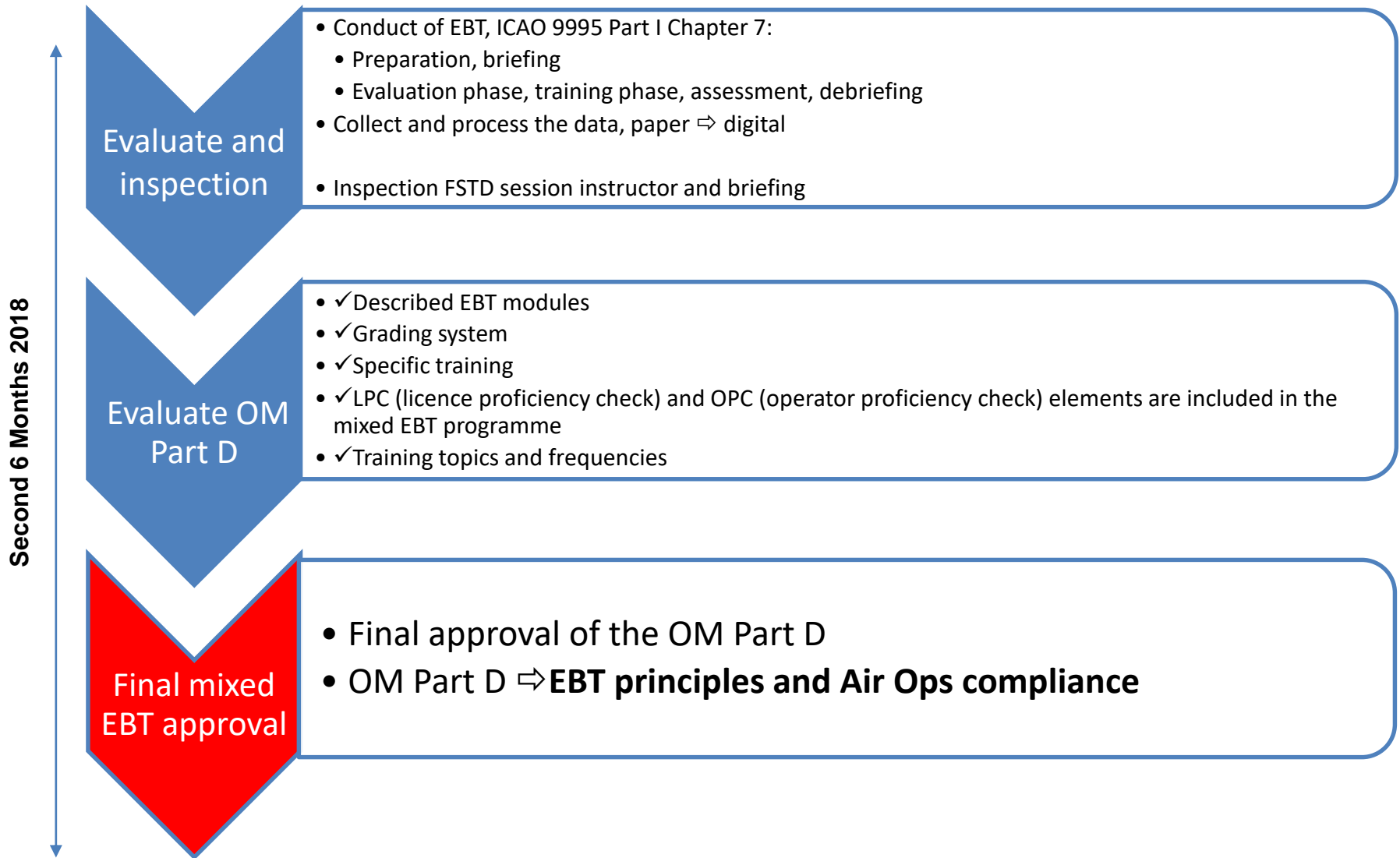
- Organization:
 - EBT manager
 - Allocate personnel
- Maturity and capability of the operator's management systems. SMS and FDM. Operator's ability to maintain reliable and accurate flight crew training records
- FSTD sessions: 4 per year
- Experience of the flight instructors in the use of EBT processes
- Airplane generation
- Operator size
- Operator flight crew policy

Authority ⇨ ARO.OPS.226 NPA 2018-07(B) and Part II Chapter 2 ICAO 9995

- Organization:
 - Allocate team
 - Training authority personnel
- Documentation:
 - Implementation plan with milestones
 - GAP analysis: Evaluate requirements to implement mixed EBT and necessary amendments to the Operation Manual (OM) Part D (Training)
 - EASA compliance checklist
- Live documents
- **Early engagement with the project**
- **Close consultation = Partnership**







MOD

- Air Ops OPC elements are included in the mixed EBT program: Evaluation phase + Manoeuvres validation phase (ICAO manoeuvres training phase)
- OM Part D complies with Air Ops requirements:
 - Recurrent training and checking. ORO.FC.230 and AMC1 ORO.FC.230
 - UPRT. AMC1 ORO.FC.220&230
 - CRM. ORO.FC.115

Other elements in the approval

- EBT integrated in the Management System
- LPC comply with Part-FCL Appendix 9 Regulation. EASA Regulation 1178/2011
- Development of scenario-based training phase
- FSTD Syllabus validation
- Debriefing, instructor and facilitation techniques. Part I Chapter 7 ICAO Doc. 9995.



Malfunction clustering = equivalence of malfunctions

- The operator may train and check the same malfunction approved in the traditional training
- Malfunction clustering may be used to guide the operator toward the AMC1 ORO.FC.230(a)(4)(i)(A) and ORO.FC.145(d). ICAO Doc 9995 Part I Chapter 3.8.3
 - System Major failure \Rightarrow Impact on crew performance, significant demand on a proficient crew

Contingency procedures

- Describe in the Operational Manual contingency procedures when crews are unable to perform the planned module

Concordance = consistency of scores between different raters

- Initial and annual standardization of the Instructor
- Good grading guidance
- Grading data analysis



Thanks for your attention

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