



EASA
European Aviation Safety Agency

RMT0696 Implementation of Evidence-Based Training within the European regulatory framework

RMT 0599 Competency and evidence based training

Francisco Arenas Alvariño (Project manager RMT0599 & RMT0696)
Air Operations & Air Crew Regulation Officer
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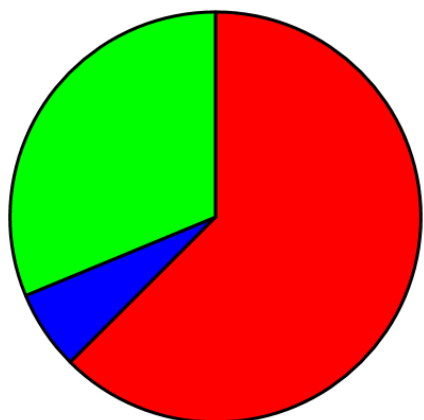
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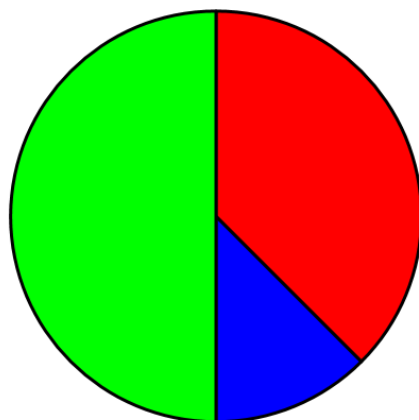


Evidence based training.

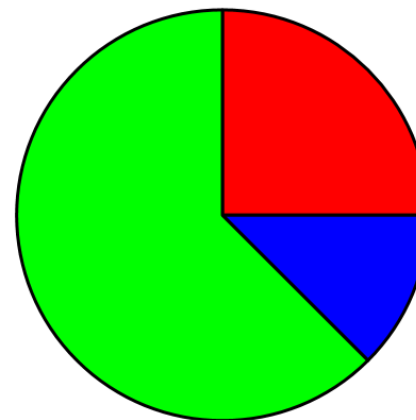
Legacy
Pre-2008



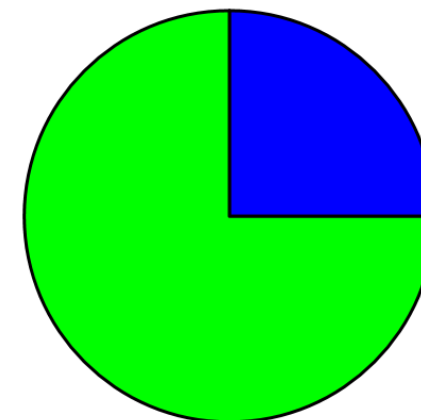
•ATQP
2008



•Mixed
2017



•EBT
2019?



•Tests

•Sim hours per pilot per year

• LOFT/LOE/Eval

•Training



But before starting Thank you to the Rulemaking group.

Muchas GRACIAS

- 30 experts
- 3 groups:
 - Main group.
 - Helicopters sub group.
 - EBT sub group.

ADRIAN, Philip / ENGMAN, Mats / LEEFLANG, Rogier / RENIER, Yann / ROSLAND, Ståle / CULLEN, Philip / DYCE, Keith / FONCELLE, Pascal / HELD, Markus / LACOMBE, Michel / MAGISSON, Patrick / MARCHELEWSKI, Pawel / MERCER, Stephen / NORDEN, Christian / VARNEY, Michael / ABAD ALARCÓN, David / BALDWIN, Brian / MONZÓN SÁNCHEZ, Enrique / ROLFE, Tim / BUSCH, Benjamin / CARTY, Darren / CARVELL-SHEPHERD, Richard / RODRIGUEZ, Oliver / BAKKE Pete



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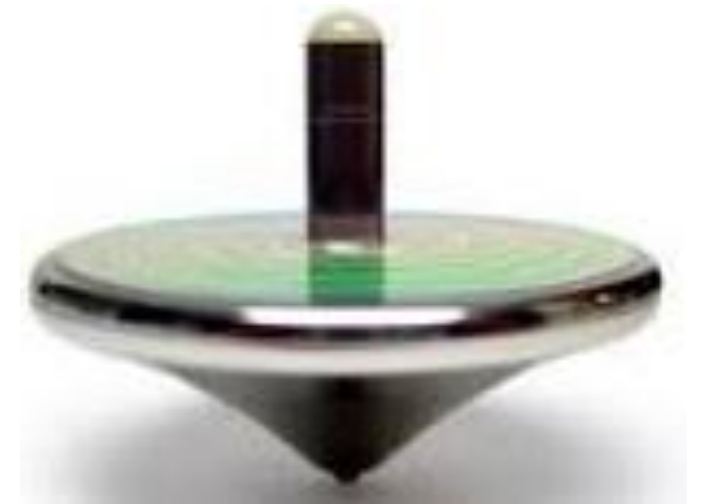
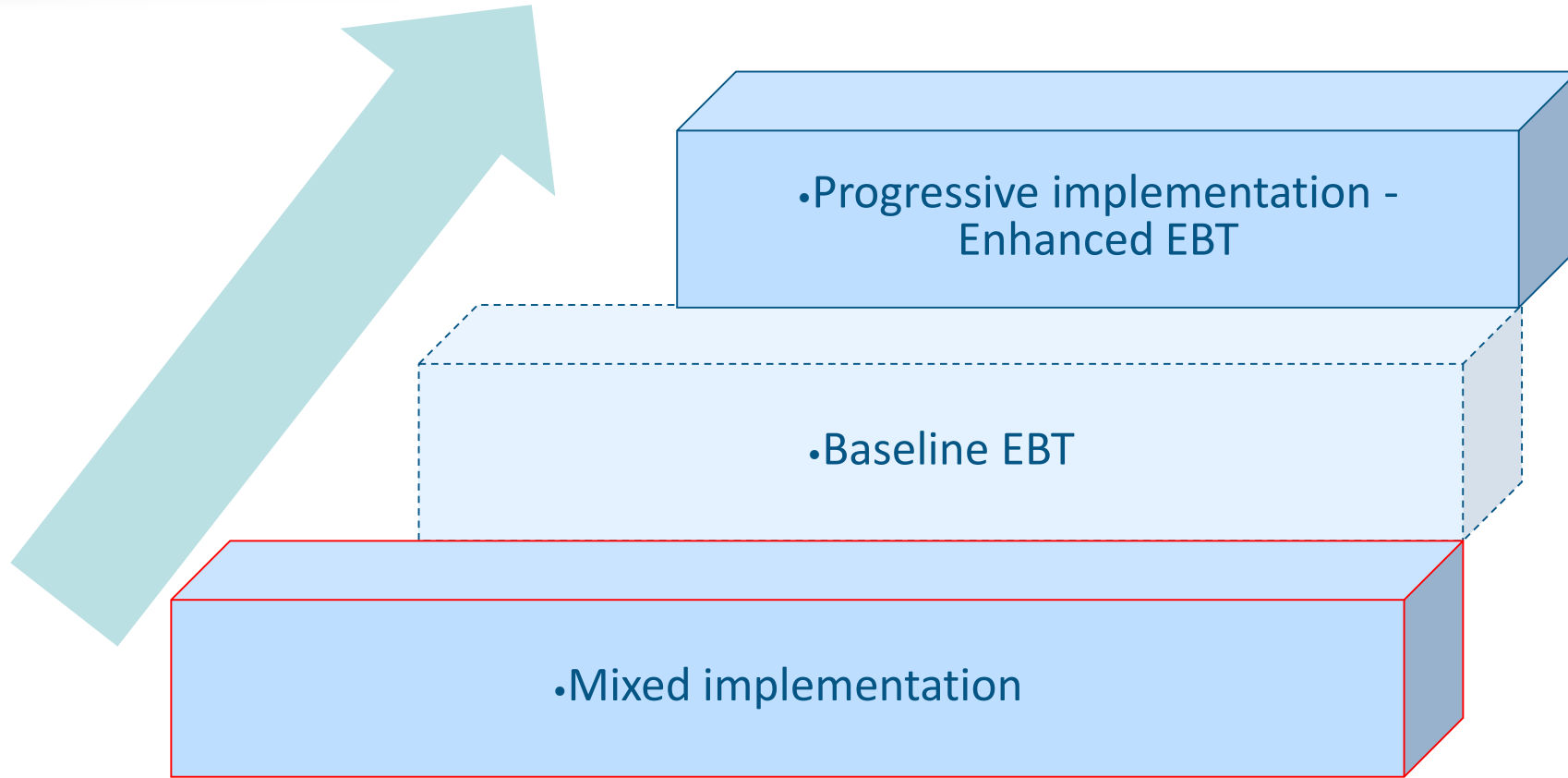
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What next?





Background: mixed implementation – RMT0696

- RMT0696 Implementation of evidence-based training (EBT) within the European regulatory framework.
 - Task force created in July 2015
 - ToR published in Sept 2015
 - Focus consultation in Sept 2015
 - Decision 2015/027/R published in Dec 2015.
 - GM1 ORO.FC.230 (a);(b);(f) & GM2 ORO.FC.A.245
 - Competency – Knowledge can be found in the explanatory note
- Mixed EBT implementation



Supporting material to RMT0696

- 1- [Explanatory note to ED Decision 2015/027/R](#) (Dec 2015)
- 2- [Oversight guidance for transition to EBT](#) - EASA checklist (2016)
 - Highly recommended for CAA (also to operators).
- 3- ICAO Doc 9995
- 4- IATA EBT implementation guide





Mixed EBT session (traditional training & ATQP)

➤ More info – dedicated Sessions

- Mixed EBT in a “traditional training and checking” airline (11:30 – 13:00)
- Mixed EBT in an ATQP airline (16:00 – 17:15)



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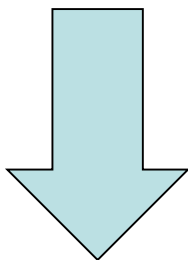
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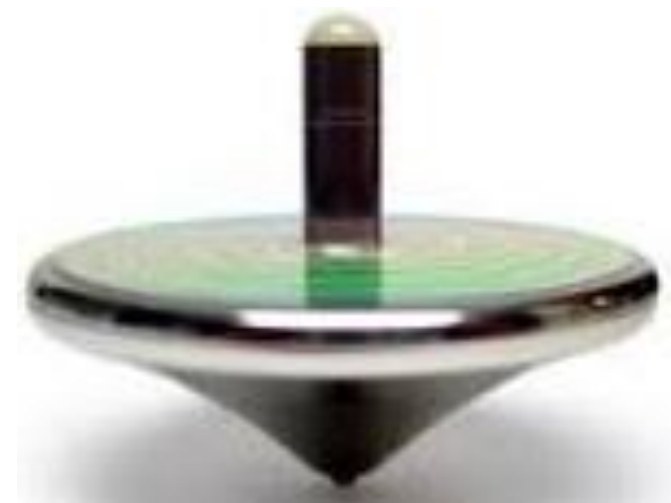
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•RMT0696

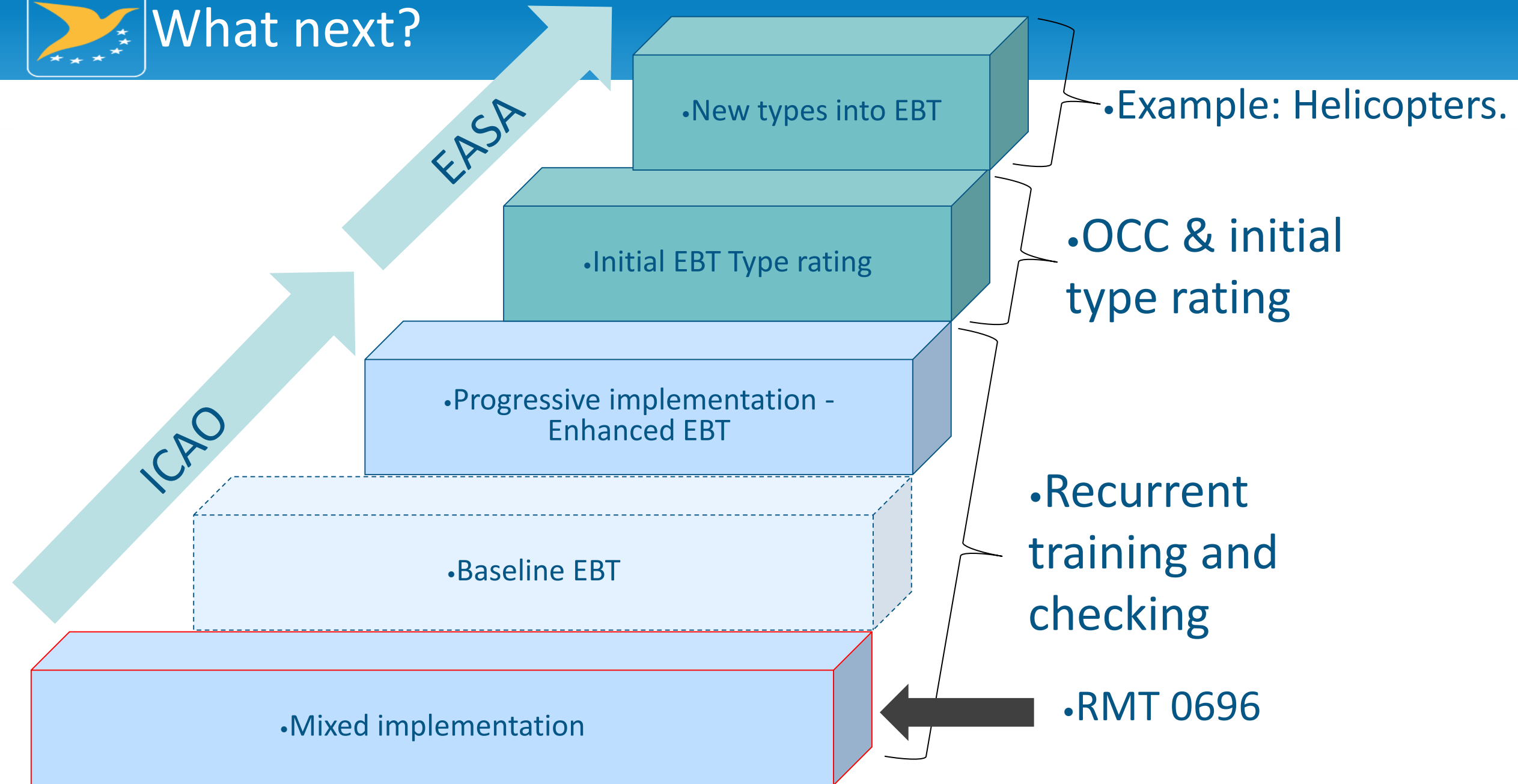


RMT 0599
Review of ORO.FC





What next?





Who is affected??



AOC

ORGANISATIONS

ATO



AUTHORITY



Quick project overview - NPA

ToR

PHASE 1 - 2016

PHASE 2 – Mid 2017

PHASE 3 - 2019



EBT: OPC/LPC + SPA

Helicopters EBT:

Data report Concept paper

Alt training means &
methods: Concept Paper

NCC:AMC/GM ORO.FC Sec 1

•workshop

EBT: OCC+ Initial type rating

Helicopters EBT:

Data report Concept paper

Alt training means &
methods: NPA

EBT: new types into EBT
(Helicopters + Business jets)

Helicopters EBT:

Regulation

Alt training means &
methods: Regulation

Aeroplanes: other implementation issues

Helicopters: other implementation issues



When Regulations will be ready to use??

ToR

PHASE 1 - 2019

PHASE 2 – Mid 2020

PHASE 3 - 2021



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Aeroplanes: other implementation issues (see master task list)

Helicopters: other implementation issues (see master task list)



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END

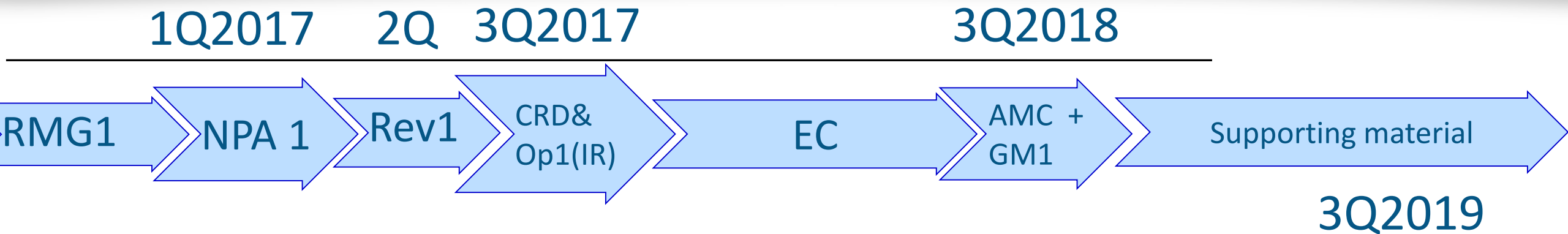


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RMT0599 Project overview – (Deliverables)



- EBT baseline implementation: First draft Sept 2016 – NPA planned 1Q2017.
- Concept paper on “Alternative training means” – 1Q 2017.
- EBT Mixed implementation. Checklist for operators & authority – 1Q2017.
- Workshop EBT & RMT0599 – February 2017.
- AMC/GM to ORO.FC section 1 NCC operators – 1Q2017.
- Helicopters – Data report for EBT helicopters – 1Q2017.
- Helicopters – Improvement of the regulation – 1Q2017.



Why we are discussing Alternative training means

- AMC1 ORO.FC.230 (a)(4)(i)(A) [training in FSTD all major failures of aircraft systems].
- New technologies available in the industry
- New training methodologies available
- Provide guidance below the ICAO doc 9625



Alternative training means

- Concept paper 1st draft available
- Presentation on the 19.10.2016
- Workshop 20.10.2016
- Regulatory road map:
 - Based on the blended learning principle
 - 1st Define the characteristics of each alternative training means
 - 2nd Extract all the training requirements in the regulation
 - 3rd Define for each training requirements which characteristics are needed
 - 4th See which training requirements can be done in alternative training mean





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END



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