



2nd EASA Webinar on Fuel Management Rules



Peter Ramroth

Born in Germany

Professional studies in Tourism - Valencia, Spain

10 Years ground handling experience

Trainer for Weight and Balance & Ground Operations

11 Years at TUI Group Operations Centre

Flight Dispatcher & Main Trainer

German Flight Dispatcher Licence

LBA approved Examiner for Flight Dispatcher Licence

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The start.....

What?

How?

Why?

When?



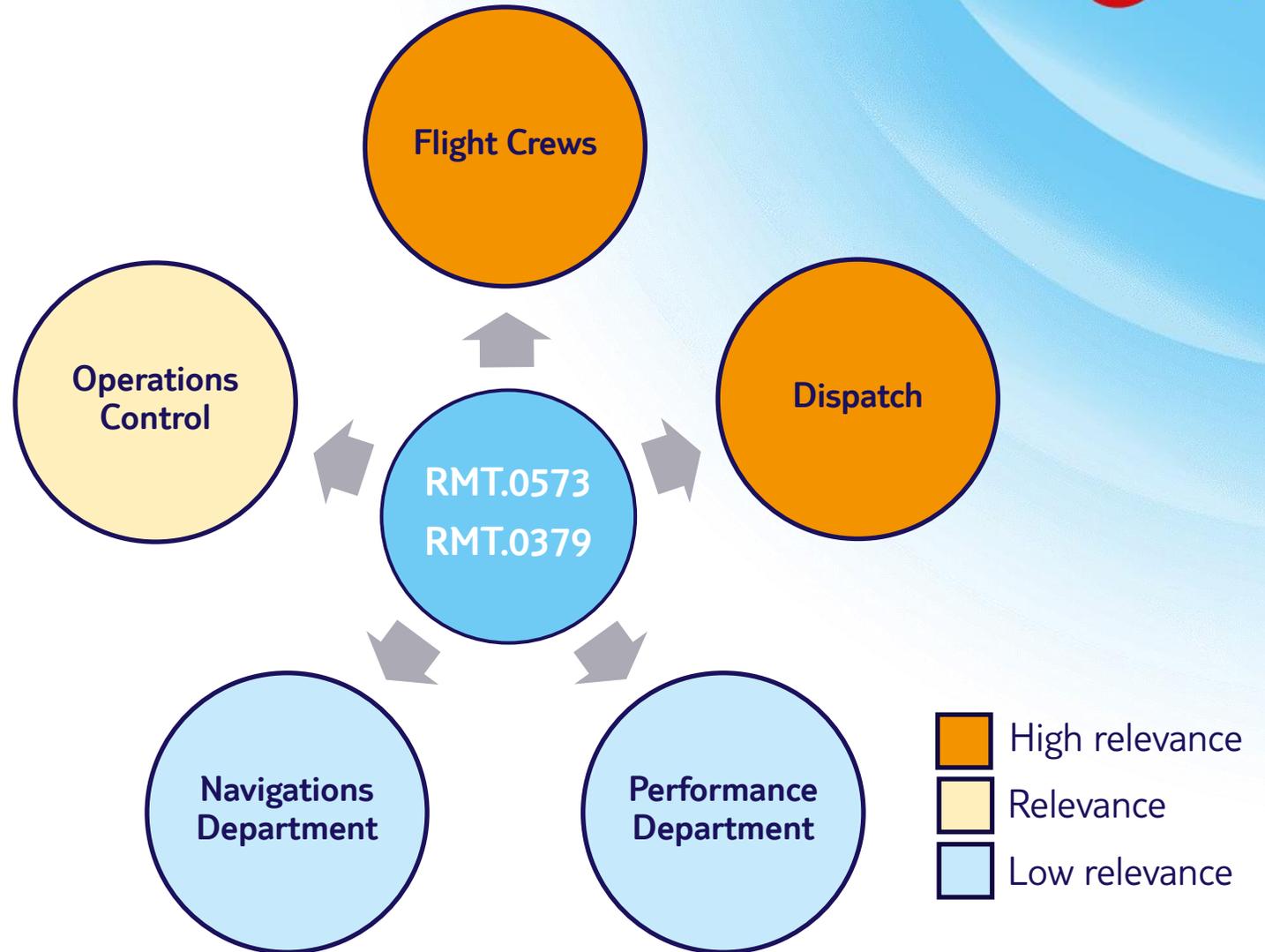
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What are the implications?

To whom is it relevant?

- Fuel Policy
- Alternate Selection
- Weather Analysis
- Training Standards
- New Procedures



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Airline Operations

AOPS locations

TOCC

- Located LTN, UK
- 24hr Operations Delivery
- 24hr Customer Liaison
- Operations Planning

TOM 24hr Crew Control

- Located LTN, UK

JAF/TFL 24hr Crew Control

- Located BRU, Belgium

BLX 24hr Crew Control

- Located ARN, Sweden

GOC

- Located HAJ, Germany
- Flight Planning
- Navigation
- ATC Liaison
- 24hr Flight Dispatch

HLF 24hr Crew Control

- Located HAJ, Germany



24hr operations services for all TUI Airline flights

- 5 AOCs
- One 24hr Operations Control Centre "TOCC"
- One 24hr Flight Planning and Dispatch Centre "GOC"
- Both connecting to local 24hr Crew Control teams



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Team Structure / Functions

Fuel & Flight Planning -Project (General)
Michael Manoli

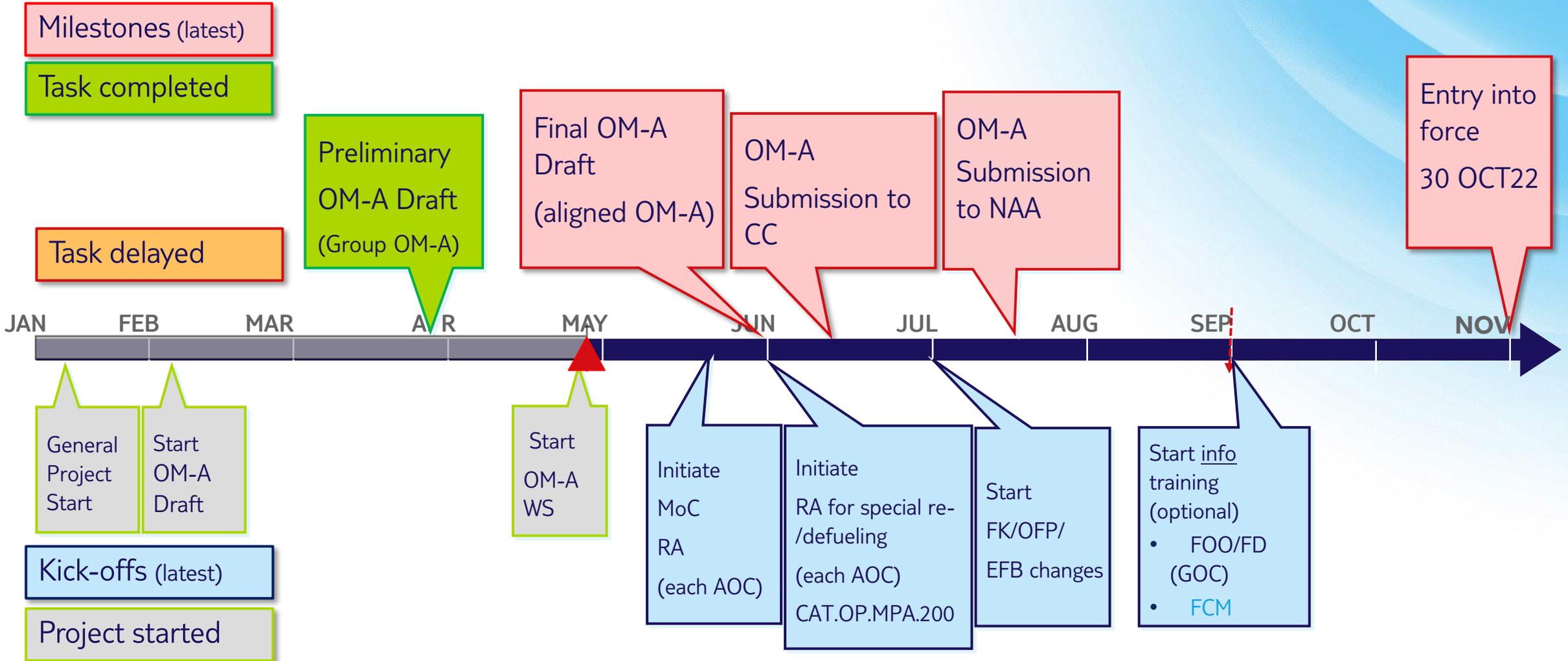
OM-A WS	OM-A / TR – NAA Approval	MoC/RA	Training	FK / TUI OFP / GOC-TOCC	TOCC
Michael Manoli	Lewis Brown	Jelle Rottiers	Peter Ramroth	Frank Brunkalla	Steve Grant
<ul style="list-style-type: none"> Final OM-A Draft Coordination SEP content / Refuelling 	<ul style="list-style-type: none"> OM-A TR (NR & WR) Submission to CC (NR & WR) Submission & Approval NAA (NR,WR,CR) 	<ul style="list-style-type: none"> MoC/RA process (NR,WR,CR) RA special refuelling/defuelling 	<ul style="list-style-type: none"> Review training requirements (FCM/FOO) Liaison with TAT Liaison with GOC/TOCC 	<ul style="list-style-type: none"> Liaison with FK / TUI OFP Coordinate Definitions OM-A vs FK / TUI OFP TOCC / GOC tasks related to (with Peter): <ul style="list-style-type: none"> Flight following Flight monitoring Flight watch 	<ul style="list-style-type: none"> Training TOCC staff NAA Approval training content



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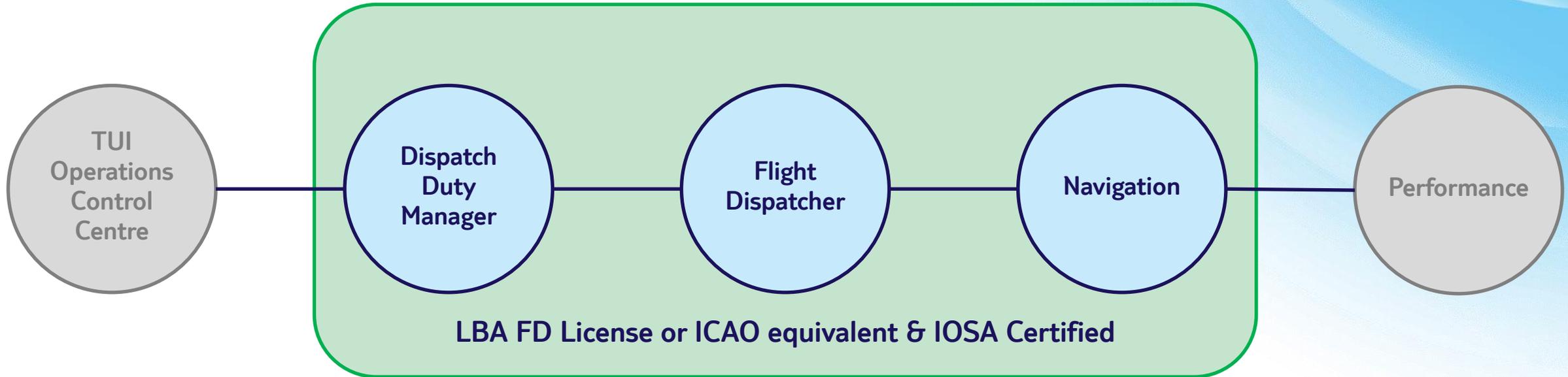
Roadmap APR/MAY

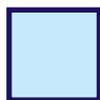


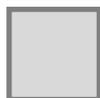
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Ops personnel Training Requirements



 Classroom-training / MS Team + Documentation

 CBT / Documentation



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AMCs to be applied and “translated” into the Operations Manuals

Fuel Policy

- **AMC4 CAT.OP.MPA.181 Fuel/energy scheme** — Fuel/energy planning and in-flight re-planning policy — aeroplanes
Basic Fuel Scheme – Pre-Flight Calculation of usable Fuel
- **AMC5 CAT.OP.MPA.181 Fuel/energy scheme** — fuel/energy planning and in-flight re-planning policy — aeroplanes
Basic Fuel Scheme with Variations – Taxi Fuel
- **AMC6 CAT.OP.MPA.181 Fuel/energy scheme** — fuel/energy planning and in-flight re-planning policy — aeroplanes
Basic Fuel Scheme with Variations – Contingency Fuel
- **AMC7 CAT.OP.MPA.181 Fuel/energy scheme** — fuel/energy planning and in-flight re-planning policy — aeroplanes
Basic Fuel Scheme with Variations – Location if the Fuel En Route Alternate Aerodrome to reduce Contingency Fuel to 3%

Planning Policy

- **AMC1 CAT.OP.MPA.182 Fuel/energy scheme** — aerodrome selection policy — aeroplanes
Basic Fuel Scheme – Take-Off Alternate Aerodrome
- **AMC2 CAT.OP.MPA.182 Fuel/energy scheme** — aerodrome selection policy — aeroplanes
Basic Fuel Scheme – Destination Alternate Aerodrome
- **AMC3 CAT.OP.MPA.182 Fuel/energy scheme** — aerodrome selection policy — aeroplanes
Basic Fuel Scheme – Aerodrome Forecast Meteorological Conditions
- **AMC4 CAT.OP.MPA.182 Fuel/energy scheme** — aerodrome selection policy — aeroplanes
Basic Fuel Scheme – Reaching the Destination Aerodrome
- **AMC5 CAT.OP.MPA.182 Fuel/energy scheme** — aerodrome selection policy — aeroplanes
Basic Fuel Scheme – Safety Margins for Meteorological Conditions
- **AMC7 CAT.OP.MPA.182 Fuel/energy scheme** — aerodrome selection policy — aeroplanes
Basic Fuel Scheme with Variations – Isolated Aerodrome – Point of no return
- **AMC9 CAT.OP.MPA.182 Fuel/energy scheme** — aerodrome selection policy — aeroplanes
Basic Fuel Scheme with Variations – Planning Minima
- **AMC1 CAT.OP.MPA.182(f) Fuel/energy scheme** — aerodrome selection policy — aeroplanes
PBN Operations and Operational Credits



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Requirements to be fulfilled

AMCs

Requirements

1

AMC6
CAT.OP.MPA.181

- (b) If the operator establishes and maintains a **fuel consumption monitoring system** for individual aeroplanes, and uses valid data for fuel calculation based on such a system, the operator may use any of the requirements in point (c) or (d) of this AMC to calculate the contingency fuel.

2

AMC7
CAT.OP.MPA.182

- (b) If the operator's fuel planning policy includes an isolated aerodrome, a PNR should be determined by a **computerised flight-planning system** and specified in the operational flightplan.

3

AMC9
CAT.OP.MPA.182

- (b) As a minimum, the operator should:
 - (1) use a suitable **computerised flight-planning system**;
 - (2) hold **an approval for limited-visibility** approach operations for that fleet; and
 - (3) have established an operational control system that includes **flight monitoring**.



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Result for Training



- 55 Slides Training Material
- Practical Examples
- For FCM, Ops Control and Dispatch



- CBT will be available for FCM & Ops Control Personnel



- Dispatchers will receive a classroom training and, if implementation is postponed, a CBT as a refresher before going-live



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Challenges

1 Understanding the complexity of the new rules and their implications

2 Analyzing current situation and assessing what needs to be done to fulfill requirements in regards of Training, Tools and processes to be established

3 5 AOCs – Streamlining 5 Operations Manuals to 1 Group Operations Manual adopting the new rules

4 5 AOCs means 5 NAA approvals

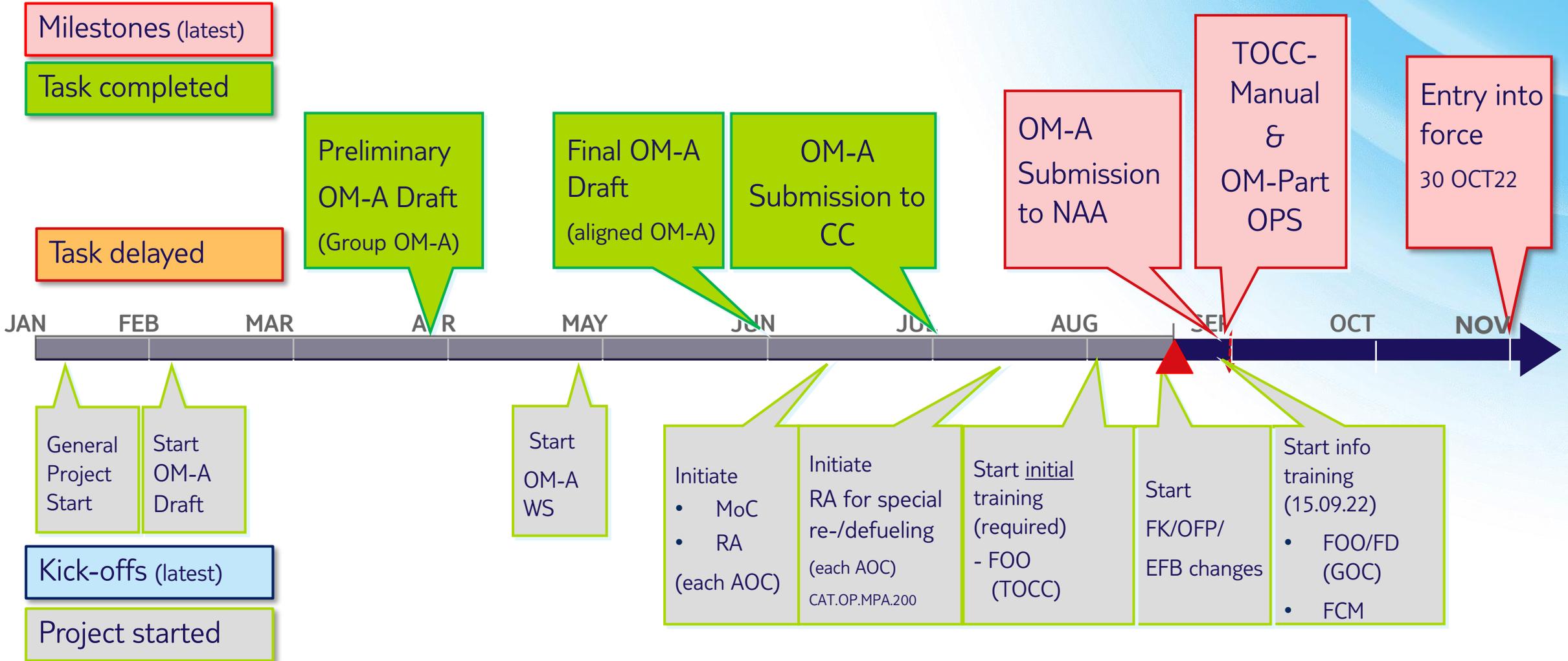
5 Time



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Roadmap AUG/SEP



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Where are we today?

- TUI Airline workstreams have finalized the new Operations Manuals, which need to be approved by the NAA, including the desired Fuel Scheme
- TUI GOC has started the Implementation-training of the change, providing the necessary training and support to the TOCC as well as to the TUI Airline workstreams
- FCM Training will start shortly
- Once the Fuel Scheme is approved, next step for TUI Group Airlines is to aim for an Individual Fuel Scheme



There is still work to do!



Thank you.

Peter Ramroth
TUI Group Operations Centre
Main Trainer GOC
Peter.Ramroth@TUIfly.com

