



**Network Manager**  
nominated by  
the European Commission



# Presentation of NM20.0

## FB750: Delay Calculation improvements

(including REA messages)



### *Background*

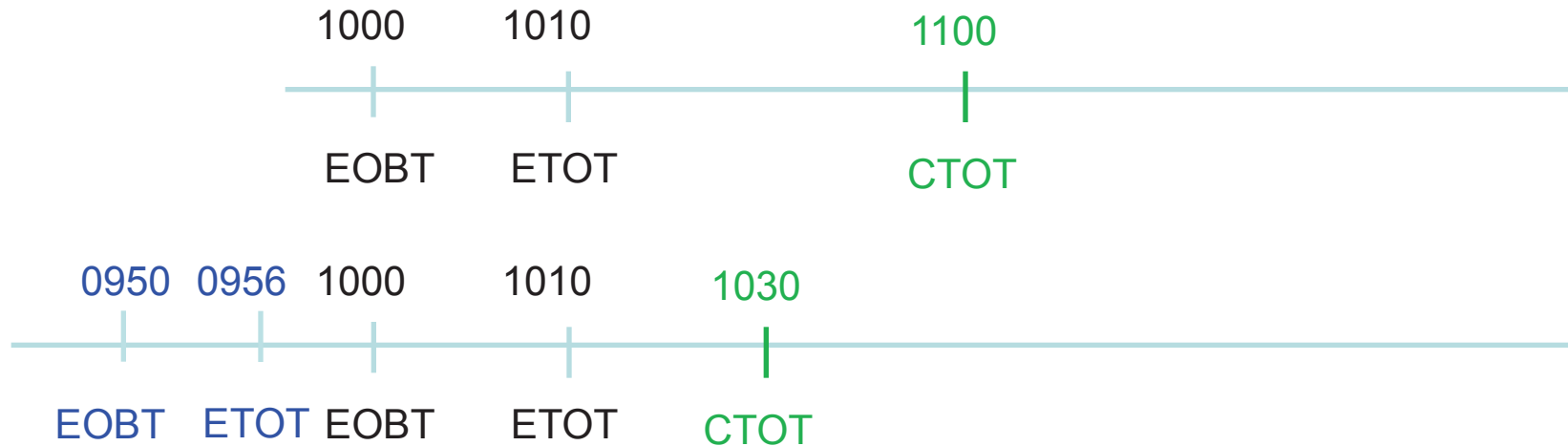
- For flights having already received their slot and being in a situation to depart before their CTOT (doors closed and ready to depart), the AO may ask local ATC to send a Ready (REA) message.
- Only ATC / ATFCM units can send a REA message.
- REA may be sent between EOBT minus 15 minutes and the CTOT of the flight.
- When the REA is filed before the EOBT, the flight is considered as having a new EOBT at this filing time and the MINLINEUP as a revised taxi time.
- If an improvement is possible AO and ATC will receive an SRM.
- Until release NM 20.0 the delays caused by REA message were added to the total ATFM delay.



## FB750 – REA Message – Delay calculation



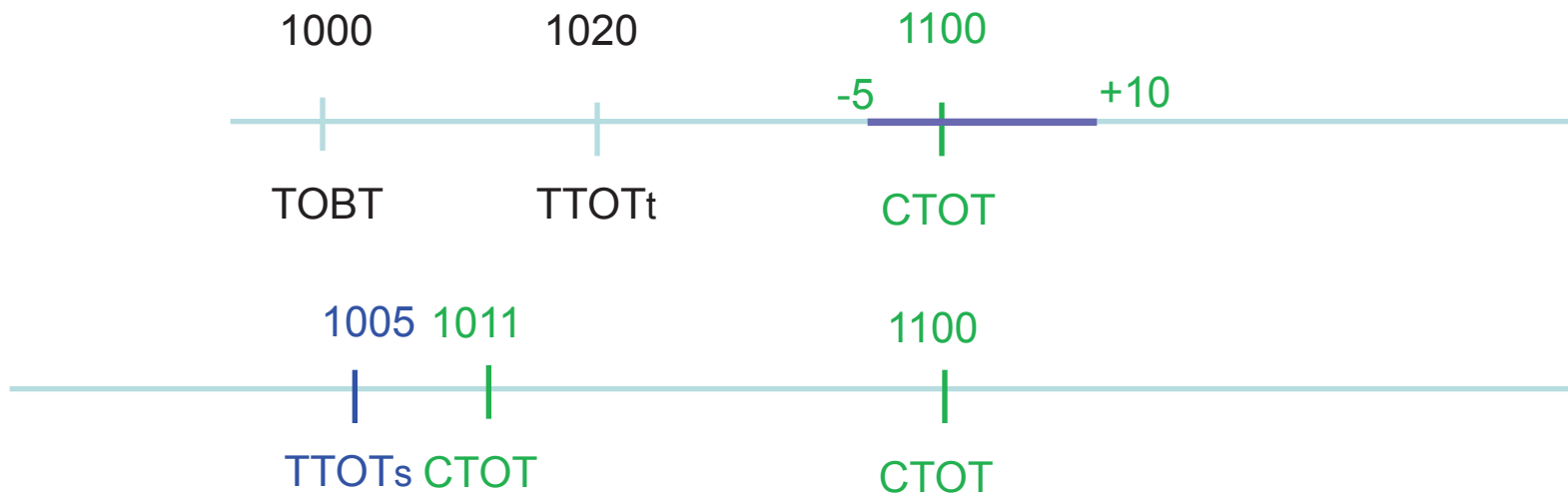
1. ATFM Delay =  $CTOT - ETOT = 1100 - 1010 = 50'$
2. REA received at 0950 with  $minlineup = 6'$  ( $ETOT\_REA$  0956) triggering  $CTOT = 1030$
3. Delay computation:
  - $ATFM\ Delay_{today} = CTOT - ETOT\_REA = 1030 - 0956 = 34'$
  - $ATFM\ Delay_{new} = CTOT - ETOT = 1030 - 1010 = 20'$



# FB750 – REA Message – Delay calculation



1. ATFM Delay =  $CTOT - TTOT_t = 1100 - 1020 = 40'$
2. T-DPI-s received with  $TTOT_s = 1005$  before the ETOT , triggering  $CTOT = 1011$
3. Delay computation:
  - $ATFM\ Delay_{today} = CTOT - TTOT_s = 1011 - 1005 = 6'$
  - $ATFM\ Delay_{new} = CTOT - TTOT_t = 1011 - 1020 = 0'$



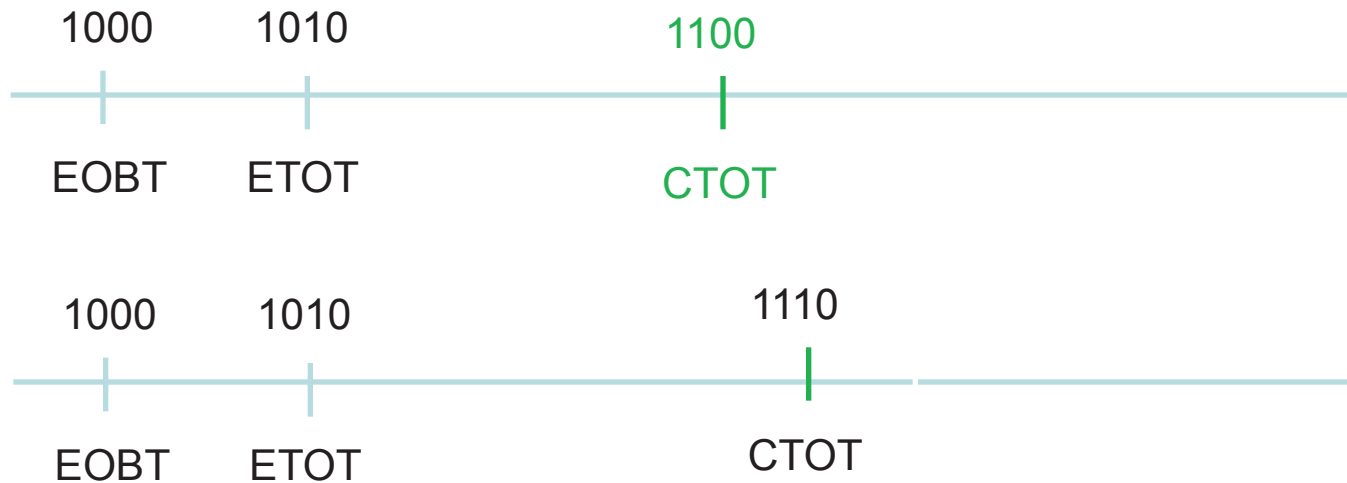
### *Background*

- Where an aircraft is departing cannot be released in time to respect its slot tolerance window (default is -5, +10min), the AO or the FMP / TWR may request a slot extension for that flight.
- Providing the flight qualifies for an extension, this can be given. Otherwise the AO shall send a DLA message.
- The slot extensions are limited to a maximum of 10 minutes.
- Until release NM 20.0 the delays caused by REA message and slot extensions were added to the total ATFM delay.

# FB750 – Slot Extension – Delay calculation



1. ATFM Delay =  $CTOT - ETOT = 1100 - 1010 = 50'$
2. Slot extension of 10'
3. Delay computation:
  - ATFM Delay <sub>today</sub> =  $CTOT - ETOT = 1110 - 1010 = 60'$
  - ATFM Delay <sub>new</sub> =  $CTOT - ETOT = 1100 - 1010 = 50'$



## FB750 – Slot Extension – Delay calculation



### Impact

- ETFMS HMI will be improved.
- NMOC flow controller can specify the reason of the action 'force slot'.
- In case of a slot extension, the delays will not count as ATFM delays.

A screenshot of a software dialog box titled "Slot List - Modify CTO(T)". The dialog has a grey background and a teal header. Below the header, it says "Force CTOT / CTO for IT621EE 11-08:19 LFPO". There are four input fields: "New" (with a dropdown arrow), "Ctot" (with a dropdown arrow), a text box containing "11-09:45", and a checkbox labeled "Booking". To the right of the "Booking" checkbox is another checkbox labeled "Slot Extension", which is checked and highlighted with a yellow border. At the bottom of the dialog are two buttons: "Apply" and "Cancel".

# Any questions?

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