EDCT Compliance Dashboard
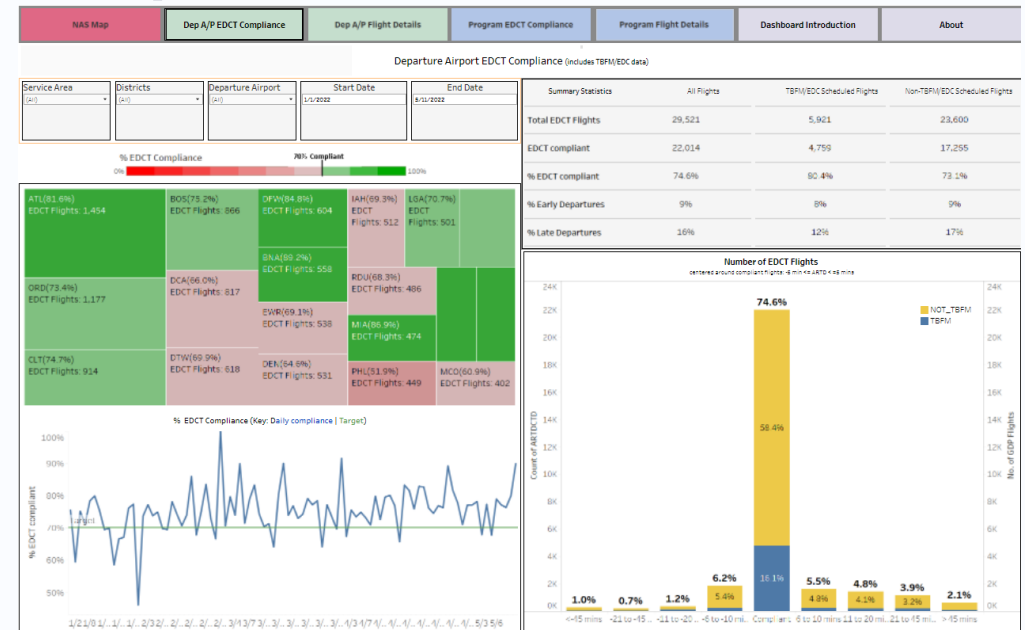
This PPT explains how the EDCT Compliance Dashboard identifies non compliance and accounts for various data points

- ➤ Calculating Noncompliance
- ➤ ERAM/TFMS EDCT Mismatch
- ➤ EDCT Changes within 10 Minutes of Departure
- ➤ TBFM/EDC Scheduling
- ➤ Additional Filters

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EDCT Compliance Dashboard

◀ ## Calculating Noncompliance

➢ In most cases, the EDCT is subtracted from the actual departure time of the aircraft to determine the difference
  o The EDCT is pulled from ERAM. If there have been multiple EDCTs, it will use the last EDCT sent
  o The actual departure time is determined by the departure message associated with the track being captured by ERAM

➢ A difference of more than 5 or less than -5 results in noncompliance

Departure Time/TBFM First Ready Time	−	EDCT	=	Diff EDCT vs Actual Dep time
1/2/2022 00:35		1/2/2022 00:26		9

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EDCT Compliance Dashboard

ATOSysOps

◄ ERAM/TFMS EDCT Mismatch

➢ There are times that TFMS does not send a new EDCT to ERAM
➢ Flight progress strips will only show EDCTs sent to ERAM, but controllers can be made aware of the TFMS EDCT by monitoring Real Time FSA, coordination with ATCSCC, or through other means
➢ There is a process in the dashboard to account for this
  o If an aircraft is noncompliant with the ERAM EDCT,
  o And the aircraft has a different TFMS EDCT
  o Then, the dashboard will compare the departure time with the TFMS EDCT
  o If it is compliant with the TFMS EDCT
  o Then the TFMS EDCT is used in the dashboard

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EDCT Compliance Dashboard

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◄ **EDCT Changes within 10 Minutes of Departure**

➤ There is a buffer built into the dashboard to account for EDCT changes that occur close to departure, where it is possible the strip may not have been shared with the local controller yet

➤ In any case where ERAM receives a new EDCT within 10 minutes of an aircraft Departure Time/TBFM First Ready Time, the dashboard will check for compliance with both the new and last EDCTs

➤ If the departure is compliance with the last EDCT, the dashboard will use the last EDCT, in all other cases, it will use the new EDCT

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EDCT Compliance Dashboard

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◄ TBFM/EDC Scheduling

> ➢ The 7210.3 allows aircraft controlled by an EDCT to be assigned additional delay for approved miles-in-trail initiatives are in place
> REF: 7210.3, 18-10-1 and 18-11-2
> ➢ The additional delay is achieved through Call for Release operations and scheduling via TBFM or EDC
> ➢ This scheduling can take place in towers with IDAC, or at TMUs via the TGUI
> ➢ The dashboard does not check for compliance with the 3-minute CFR window, but it does account for aircraft who were scheduled as ready for departure within their EDCT window

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EDCT Compliance Dashboard

◄ TBFM/EDC Scheduling

- ➢ The dashboard identifies aircraft scheduled into TBFM or EDC and utilizes the first ready time used when scheduling into a TGUI or IDAC system
- ➢ In cases when there is scheduling via TBFM, the dashboard checks for any combination of the actual departure time or the first ready time provided to TBFM, and the ERAM or TFMS EDCT
- ➢ If any of those combinations results in compliance, that combination is what the dashboard uses. If no combination results in compliance, the dashboard will display the TBFM First Ready Time and the ERAM EDCT
- ➢ As long as aircraft with EDCTs are scheduled as ready within their 10 minute window, they will be captured as compliant in the dashboard

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EDCT Compliance Dashboard

◀ ## TBFM/EDC Scheduling

➢ On the Flight Details tab under the TBFM/EDC Schedule column, aircraft not schedule via IDAC or TGUI listed as N/A, and those that are identify the method (TGUI or IDAC) and system (ARR, XM, or EDC) they were scheduled into

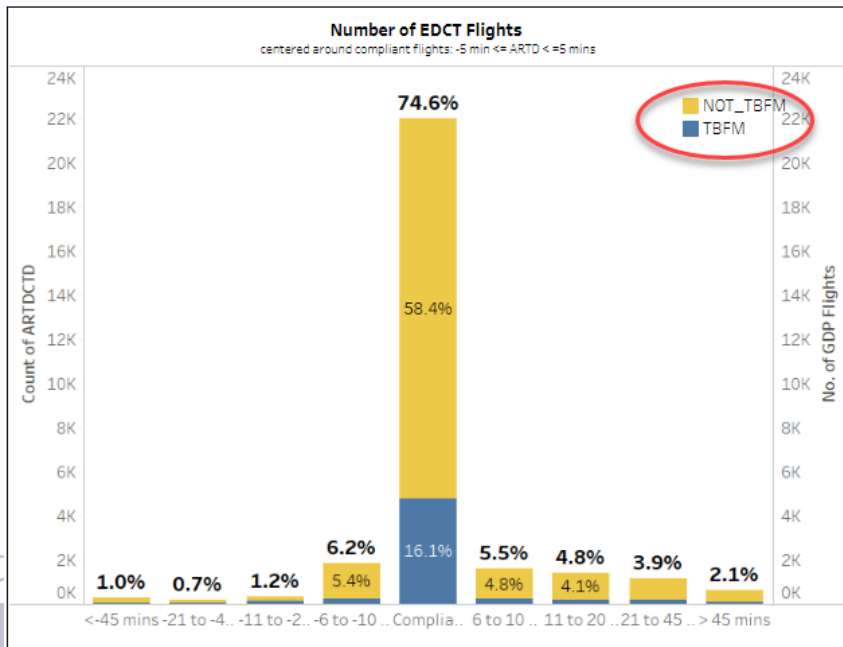| TBFM/EDC Schedule |
|---|
| TGUI (ARR) |
| N/A |
| N/A |
| TGUI (ARR) |
| TGUI (ARR) |
| N/A |
| N/A |
| N/A |

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◀ TBFM/EDC Scheduling

➤ Metrics on the EDCT compliance pages are separated by aircraft that were and were not scheduled into TBFM/EDC

Number of EDCT Flights
centered around compliant flights: -5 min <= ARTD < =5 mins

Summary Statistics	All Flights	TBFM/EDC Scheduled Flights	Non-TBFM/EDC Scheduled Flights
Total EDCT Flights	29,521	5,921	23,600
EDCT compliant	22,014	4,759	17,255
% EDCT compliant	74.6%	80.4%	73.1%
% Early Departures	9%	8%	9%
% Late Departures	16%	12%	17%

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EDCT Compliance Dashboard

◀ **Additional Filters**

➢ There are other departures filtered from the data to ensure the most accurate reporting possible
  o Flights that departed during or within 15 minutes of the purge of a Ground Stop (likely verbally coordinated with ATCSCC)
  o Uncontrolled/military airport departures

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