U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

Air Traffic Organization Policy

**ORDER
JO 7210.637**

Effective Date:
03/01/2020

SUBJ: Terminal Flight Data Manager Electronic Flight Strips

1. Purpose of This Order. This order defines management responsibilities for use of Terminal Flight Data Manager (TFDM) Electronic Flight Strips (EFS).

2. Audience. This order applies to Air Traffic Organization (ATO) Air Traffic elements involved in TFDM EFS administration or oversight.

3. Where Can I Find This Order? This order is available on the employee MyFAA website at https://myfaa.gov/tools_resources/orders_notices/ and on the public FAA website at http://www.faa.gov/regulations_policies/orders_notices/.

4. Overview: Terminal Flight Data Manager (TFDM) Electronic Flight Strips (EFS) will be deployed beginning in 2020 at select facilities. EFS replaces the use of paper flight progress strips with an electronic version, having new functions and fields not available with paper flight progress strips. Successful, timely EFS deployment is expected to result from management awareness and understanding of the system, local adaptation of the system if necessary, and fulfillment of technical training responsibilities.

5. Management Awareness and Understanding. The Air Traffic Manager (ATM), when notified of EFS deployment, must maintain awareness of the deployment schedule and develop a basic understanding of the system sufficient to guide local implementation and administration. The TFDM Program Office will distribute information to EFS sites through the Operations Support Groups.

6. Local Adaptation. The ATM will be afforded policy direction, technical training, or briefings to ensure any local adaptation of the EFS system meets ATO standards. The ATM must initiate any actions necessary, such as changes to facility directives, reference materials, and training. Figures 1, 2, and 3 (below) depict EFS nationally-standardized blocks and formats. Figure 4 lists TFDM acronyms.

7. Distribution. This Order is electronically distributed, as described in Paragraph 3, above.

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Date Signed

Figure 1. Departure EFS

Required fields shown in grey

Block	Information Recorded
1	Aircraft identification.
2	Revision number (FDIO locations only).
2A	Voice Clearance Issued Checkbox- OPTIONAL USE.
3	Number of aircraft if more than one, RECAT or heavy aircraft indicator "H/" if appropriate, type of aircraft, and aircraft equipment suffix.
4	Computer identification number if required.
4A	*Remove Strip Indicator.*
4B	*TDLS Clearance Indicator.*
5	Secondary radar (beacon) code assigned.
6	Proposed departure time. P-Time.
7	Requested Altitude.
8	Departure Airport, *First Fix or DTA.*
8A	Departure Runway.
8B	*Destination Airport.*
9	Computer–generated: Route and destination. Manually enter altitude/altitude restrictions in the order flown, if appropriate.
9A-9C	OPTIONAL USE.
9D	FRC Checkbox.
9E	Computer-generated: Remarks.

Block	Information Recorded
10	ATIS Code
11	Approval Request (APREQ)- manually entered and TBFM generated.
12-13	OPTIONAL USE.
14	EDCT Release Time.
15	OPTIONAL USE.
16	TMAT (SMP Sites Only) OPTIONAL USE for Non-SMP Sites
17	Taxi Time. OPTIONAL USE.
18	Takeoff Time.
19	Gate. OPTIONAL USE.
20	Heading. OPTIONAL USE.
21	Initial Altitude. OPTIONAL USE.
22	Frequency. OPTIONAL USE.
23	Facility Remarks & AOI. OPTIONAL USE.
24	MIT/MINIT Facility Remarks.
25	EFS STATE.
26	Next Logical Action.

Figure 2. Arrival EFS

Required fields shown in grey

Block	Information Recorded
1	Aircraft identification.
2	Revision number. OPTIONAL USE.
2A	OPTIONAL USE.
3	Number of aircraft if more than one, RECAT or heavy aircraft indicator "H/" if appropriate, type of aircraft, and aircraft equipment suffix.
4	Computer identification number. OPTIONAL USE.
4A	Remove Strip Indicator. OPTIONAL USE.
4B	OPTIONAL USE.
5	Secondary radar (beacon) code assigned.
6	(FDIO Locations.) The previous fix will be printed. OPTIONAL USE.
7	Coordination fix. OPTIONAL USE.
8	Estimated time of arrival at the coordination fix or destination airport. OPTIONAL USE.
8A-8B	OPTIONAL USE.
9	Altitude (in hundreds of feet).
9A	Minimum fuel, destination airport/point out/radar vector/speed adjustment information. Air traffic managers may authorize in a facility directive the omission of any of these items, except minimum fuel, if no misunderstanding will result.
9B	OPTIONAL USE.

Block	Information Recorded
9C	Runway.
9D	OPTIONAL USE.
9E	Computer-generated: Remarks.
10	ATIS Code. OPTIONAL USE.
11-16	OPTIONAL USE.
17	Landing Time. OPTIONAL USE.
18	OPTIONAL USE.
19	Gate. OPTIONAL USE.
20	STARS Scratch Pad #1. OPTIONAL USE.
21	STARS Scratch Pad #2. OPTIONAL USE.
22	Frequency. OPTIONAL USE.
23	Facility Remarks. OPTIONAL USE.
24	Facility Remarks. OPTIONAL USE.
25	EFS STATE.
26	Next Logical Action.

Figure 3. Overflight EFS

Required fields shown in grey

Block	Information Recorded
1	Aircraft identification.
2	Revision number. OPTIONAL USE.
2A	OPTIONAL USE.
3	Number of aircraft if more than one, RECAT or heavy aircraft indicator "H/" if appropriate, type of aircraft, and aircraft equipment suffix.
4	Computer identification number. OPTIONAL USE.
4A	Remove Strip Indicator. OPTIONAL USE.
4B	OPTIONAL USE.
5	Secondary radar (beacon) code assigned.
6	Coordination fix. OPTIONAL USE.
7	Overflight coordination indicator (FDIO locations only). OPTIONAL USE.
8	Estimated time of arrival at the coordination fix. OPTIONAL USE.
8A-8B	OPTIONAL USE.

Block	Information Recorded
9	Altitude and route of flight through the terminal area.
9A-9D	OPTIONAL USE.
9E	Computer-generated: Remarks
10-19	OPTIONAL USE.
20	STARS Scratch Pad #1- OPTIONAL USE.
21	STARS Scratch Pad #2- OPTIONAL USE.
22	OPTIONAL USE.
23	Facility Remarks- OPTIONAL USE.
24	Facility Remarks- OPTIONAL USE.
25	EFS STATE.
26	NEXT LOGICAL ACTION.

Figure 4. TFDM EFS Acronyms referenced in this Order

Note: This list is not all-inclusive of acronyms associated with TFDM EFS.

Acronym	Meaning
AOI	Airport Operational Information
DSP	Departure Spacing Program
DTA	Departure Transition Area
EOBT	Earliest Off Block Time
FRC	FRC- Full Route Clearance
MIT	Miles in Trail
MINIT	Minutes in Trail
P-TIME	Proposed Departure Time
RECAT	Wake Turbulence Recategorization
SMP	Surface Metering Program
STARS	Standard Terminal Automation Replacement System
TBFM	Time Based Flow Management
TDLS	Tower Data Link Services
TFDM	Terminal Flight Data Manager
TMAT	Target Movement Area Entry Time
TOBT	Target Off Block Time