

FDP Calculator – User Guide

The **FDP Calculator** is a simple tool designed to help plan crew duties in accordance with PECOTOX AIR Flight Time Limitations (FTL).

The application consists of two main tabs: **SIMPLE** and **SCHEDULE**.

1. SIMPLE Tab

Use this tab to quickly calculate the permitted FDP based on basic duty parameters.

Note: All times are displayed in **Local Time (LT)** according to the crew's acclimatized time zone.

Input Fields

- **Start of Duty** – Reporting time for the duty.
- **No. of Planned Sectors** – Total number of sectors planned for the duty.
- **Split Start** – STA of the flight before the split (if Brake for more the 4 hours is planned).
- **Split End** – STD of the flight after the split.

Results Provided

The calculator displays several Maximum FDP variations:

- **Basic (Standard Crew)** – Maximum FDP for standard crew (OMA 7.8.1).
 - **With Extension** – Maximum FDP with allowable extension (OMA 7.8.3).
 - **Split** – Maximum FDP with Split Duty extension (OMA 7.11).
 - **Crew+ (3,4)** – Maximum FDP for augmented crew (OMA 7.8.4).
 - **Latest Time ON BLOCK** – Latest allowed end-of-FDP time (ON BLOCK of final sector).
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2. SCHEDULE Tab

Use this tab to calculate FDP based on a complete flight schedule.
It allows quick planning when multiple sectors need to be assessed.

Steps

1. **Set Home Base Offset**
This is the difference between Home Base local time and UTC.
Default value: **+4:00 (UAE)**.
2. **Enter Flight Schedule**
 - Insert **STD** and **STA** in **UTC** only.
 - Add a leg with **“+ Add Leg”**.
 - Remove a leg with the **“X”** button.

As you enter the schedule, the application automatically shows the timeline converted into **Home Base Local Time** below the “**Calculate**” button.

Important Note

Only the break **between the last two sectors** can be considered for Split Duty, even if additional breaks exist in the schedule.

Results Provided

- **FDP Records Table**
Similar to Journey Log entries, showing both **UTC** and **LT**, including calculated FDP.
- **MAX FDP / Latest Time ON BLOCK Table**
Same results as in the SIMPLE tab, but **Latest Time ON BLOCK** is shown in **UTC**.