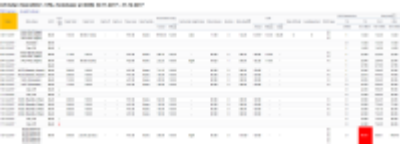


# FTL Sheet



FTL Sheet report - all flights & other duties along with FTL calculations

This report generates information about **all duties**: flights, repositionings, office or standby duties, as well as days off assigned in the section Crew > Duties.

The report is divided into **2** parts:

- **duty information**: date, type, FTL day off, start/end, split times (if used), rest facility type, rest lenght, day off, early/late/night duty, flying hours, sectors, duty & fdp times, take off & landing number.
- **cumulative information**: FDP extensions, duty time, block hours, days off, rest - all displayed in separate columns. Any fdp/duty/restFDP violation violation is highlighted in red.

In the filter you can switch to the **Alternative cumulative figures calculations** - if this checkbox is ticked, **Cumulative duty** and **Block times** are calculated back from the **end of the day** with no duty, rather than from the end of a previous day.

For example, if the crew is off duty on 10-08-2019, according to the alternative option the period included in the calculation would fall between the end of day on 10-08-2019 and the beginning of 04-08-2019. The standard calculation is more restrictive and calculates the period between 09-08-2019 and 03-08-2019. This checkbox only affects days with no duties assigned. Days, where the duty is assigned are still calculated from the end of the duty time.

Another option which can be turned on in the filter is **Highlighting reduced rest** - Leon will show such cases in orange.

Values such as 'Rest before duty - Min' or 'FDP - Max' are explained when you hover the mouse over the value (see below).

FDP			Take off [no]	Landings [no]	ICAO type	7 d
Actual	Max?	CD?				60 h MAX
						00:00
01:50	13:00	-			S	02:20
						02:20
00:00	-					
03:30	11:00					

Maximum basic FDP for acclimated multi pilot operation starting at 12:00, consisting of 1 sector is 13:00.

The same can be done to check cumulative 'Duty time' or 'Block time'. Here Leon shows sometimes 2 different values, depending on whether the calculation is made per 7 calendar days or 168 hours.

Duty time ?				
7 d	14 d	28 d	12 m	28 d
60 h MAX	110 h MAX	190 h MAX	2000 h MAX	100 h MAX
11:37	11:37	40:14	205:01	05:07
25:37	25:37	40:14	240:01	05:07
32:22	05:07 calculated for 00:00z 2016-Dec-26 (00:00z) to 2017-Jan-02 (00:00z)			
32:22	11:37 calculated for 13:00z 2016-Dec-26 (13:00z) to 2017-Jan-02 (13:00z)			
32:22				
30:02	11:37 calculated for 23:59z 2016-Dec-26 (23:59z) to 2017-Jan-02 (23:59z)			
30:02				

Hover the mouse over **Duty time** column value to find out what part of the duty time has been included into Cumulative Duty calculation (i.e. some Standby duty types have 50% or 25% of STB duty length included).

Duty time ?					FDP	Take off [no]	Landings [no]	ICAO type
Actual	Max ?	CD ?						
09:00	08:30	12:30	-					N
Amount of duty time included in cumulative duty is 09:00.								

Duty time ?									
Actual	Max ?	CD ?							
09:00	08:30	12:30	-						N
Amount of duty time included in cumulative duty is 09:00.									

FTL cumulative values warning

Leon can also show cumulative duty or block time values **warnings in yellow** as a certain number of hours before the limit (see screenshot on the right). It can be 3, 5 or 10 hours - it is up to you. If you want this option to be enabled, please email Leon Support team: [support@leonsoftware.com](mailto:support@leonsoftware.com) and we will set it up for you.

If in the column Rest you see an infinity icon '∞' it means that a crew member has no flights or duties assigned

## Commander's Discretion

If maximum allowed FDP is exceeded, in some situations there is a possibility of using Commanders Discretion. To indicate it in Leon you simply mark 'Discretion' checkbox in JL.

Date	Duty Type	Duty Start	Duty End	Duty time <sup>CD</sup>	FDP		
16-01-2018	VIB-BCN (passenger)	12:00	15:15	03:15	Actual	Max <sup>CD</sup>	CD <sup>CD</sup>
17-01-2018	BCN-BLL (Right)	19:00	00:25 (19 Jan)	14:25	13:55	14:00	00:55

CD below 1 hour default Discretion

Date	Duty Type	Duty Start	Duty End	Duty time <sup>CD</sup>	FDP		
16-01-2018	VIB-BCN (passenger)	12:00	15:15	03:15	Actual	Max <sup>CD</sup>	CD <sup>CD</sup>
17-01-2018	BCN-BLL (Right)	19:00	00:45 (19 Jan)	14:45	14:15	14:00	01:00

CD over 1 hour default Discretion

We have implemented following changes to Commanders Discretion:

1. 'Discretion' timeframe has been set to 1 hour by default
2. Using 'Discretion' checkbox automatically extends Max FDP by 1h. This is explained in the tooltip when hovering the mouse over the Max FDP value in the FTL reports
3. CD below 1 hour will not be highlighted as a violation in the FTL reports but it will show in the **FTL violations** report (not highlighted).
4. CD below 1 hour will not be highlighted in the SCHEDULE view and FTL Calculations section in CREW tab
5. CD over 1 hour will be highlighted red in the FTL reports and CD column will indicate max allowed Discretion (1 hour) rather than the actual Discretion

It is possible to apply the previous version of 'Commanders Discretion' functionality where it was considered as a violation. For more information please contact Leon Support at [support@leonsoftware.com](mailto:support@leonsoftware.com).

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