

ENAC - Workshop Regulation (EC) 83/2014

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Standby Definitions ORO. FTL 105

“Standby” a crew member is required to be available to receive an assignment for a flight, positioning or other duty without an intervening rest period;

“Reserve” a crew member is required to be available to receive an assignment for an FDP, positioning or other duty **notified at least 10 hours in advance**

“Accommodation” a quiet and comfortable place **not open to the public**, with the **possibility to sleep**, with enough capacity to accommodate **all crew members present at the same time**

“Suitable accommodation”.... , a separate room for each crew member located in a quiet environment and equipped with a bed,, and access to food and drink;

ORO.FTL.225 STANDBY AND DUTIES AT THE AIRPORT

- Standby and any duty at the airport **shall be in the roster and the start and end time of standby shall be defined and notified in advanceto provide them with the opportunity to plan adequate rest;**
- Airport standby **shall count in full as duty period**
- Any duty at the airport shall count in full as duty period **and the FDP shall count in full from the airport duty reporting time;**
- The operator shall **provide accommodation** to the crew member on airport standby;

ORO.FTL.225 STANDBY AND DUTIES AT THE AIRPORT

1. **The maximum duration of any standby;**
2. The impact of the time spent on standby on the maximum FDP that may be assigned, **taking into account facilities provided to the crew member to rest**, and other relevant factors :
 - the need for immediate readiness of the crew member,
 - **the interference of standby with sleep**, and
 - **sufficient notification to protect a sleep opportunity** between the call for duty and the assigned FDP;

CS. FTL.1.225 STANDBY

- **Airport standby;**
- **Standby other than airport standby**
- **Reserve**

IMPLEMENTING RULES

CERTIFICATION SPECIFICATION

GUIDANCE MATERIAL

CS FTL 1.225 AIRPORT STANDBY

CS FTL.1.225 STANDBY

....., duty and rest periods under the provision of ORO.FTL.225 complies with the following:

a. Airport Standby

1. If not leading to the assignment of an FDP, airport standby is followed by a rest period as specified in ORO.FTL.235;

ORO.FTL.235:

(a) Minimum REST at HOME BASE:

-starting at home base shall be **at least as long as the preceding duty period, or 12 h, whichever is greater;**
- By way of derogationif the operator provides **suitable accommodation** to the crew member at home base;

(b) Minimum REST away from HOME BASE:

- starting away from home base shall be at least **as long as the preceding duty period, or 10h,** whichever is greater.
- This period **shall include an 8h sleep opportunity** in addition to the time for traveling and physiological needs.

CS FTL 1.225 AIRPORT STANDBY

a. Airport Standby

If an assigned FDP starts during airport standby:

- The FDP counts from the start of the FDP. **The maximum FDP is reduced by any time spent on standby in excess of 4h;**
- The maximum combined duration of **airport standby and assigned FDP** as specified in ORO.FTL.205 (b) and (d) **is 16 h.**
- **ORO.FTL.205(b):** Basic Daily FDP (including crew members in an unknown state of acclimatization and, crew members in an unknown state of acclimatization under FRM) TABLE 2; 3; 4
- **ORO.FTL.205(d):** Maximum daily FDP for acclimatized crew members with the use of extensions without in-flight rest:

CS FTL 1.225 STANDBY OTHER THAN AIRPORT STANDBY

- The maximum duration **is 16h;**
- The operator's standby procedures are designed to ensure that **the combination of standby and FDP do not lead to more than 18 h awake time;** GM1.CS FTL.1.225(b); GM1 CS FTL.1.225(b)(2)

GM1.CS FTL.1.225(b):

Standby other than Airport Standby Notification: **should avoid interference with sleeping patterns;**

GM1 CS FTL.1.225(b)(2):

Awake time: Scientific research shows that **continuous awake in excess of 18h can reduce the alertness and should be avoided**

Provision of Science Expertise

“One of the key issues in Standby Duty is the schedule unpredictability and the associated difficulties to plan an appropriate sleep. The shorter the notice, the higher the potential impact on sleep. It has been shown with objective measures of sleep, that sleep taken when on standby is shorter and of poorer quality than normal sleep (Torsvall L&Akerstedt T,1988).”

(Research proves that judgment is seriously impaired after 18h of wakefulness

(Dr. S. Bennet, Leicester Univ)

STANDBY OTHER THAN AIRPORT STANDBY

- If the FDP is extended **due to in-flight rest** according to CS FTL.1.205(c), or to split duty according to CS.FTL.1.220 **the 6h. are extended to 8h.;**

CS.FTL.1.220 Split Duty:

- a) The break on the ground..... has a minimum duration of **3h. consecutive**,
- b) The break excludes the time allowed for post and pre-flight duties and traveling. **The minimum total time for post and pre-flight duties and traveling is 30min.**
- c) The maximum FDP specified in ORO.FTL.205(b)(Basic maximum daily FDP) may be increased by up to 50% of the break.
- d) **Suitable accommodation** is provided either for a break of 6h., or more or for a break that encroaches the WOCL
- e) In all other cases accommodation is provided, and any time of the actual break **exceeding 6h** or any time of the break that **encroaches the WOCL** does not count for the extension of the FDP. .
- f) **Split duty cannot be combined with in-flight rest**

STANDBY OTHER THAN AIRPORT STANDBY

- If standby starts between **23.00 and 07.00**, the time between **23.00 and 07.00 does not count towards the reduction of the FDP..... until the crew is contacted by the operator**; and
- The response time between call and reporting time allows the crew member **to arrive from his/her place of rest to the designated reporting point within a reasonable time.**
- GM1 CS FTL.1.225 **Standby:**
- operator procedures.... **should avoid interference with sleeping patterns if possible.**
- GM1 CS FTL.1.200 **HOME BASE**
- **Travelling Time:**for temporary accommodation closer to their Home Base if the **travelling time from their residence to their Home base usually exceeds 90 minutes.**

ORO FTL.230 RESERVE

ORO.FTL.230: If an operator assigns crew member to RESERVE.....

a. reserve shall be roster;

a. flight time specification shall specify the following elements:

- the maximum duration of any single reserve period;
- the number of consecutive reserve days that may be assigned to a crew member.

GM1 ORO.FTL.230(a): ROSTERING OF RESERVE:

....“rostering”, implies that a reserve period that does not result in a duty period **may not retrospectively** be considered as part of a recurrent recovery rest period.

CS. FTL. 1.230 RESERVE

CS.FTL.1.230:complying with the follow:

- a. An assigned FDP counts from reporting time.
- b. Reserve times **do not count as duty period** for the purpose of ORO.FTL.210 and ORO.FTL.235.

- a. The operator defines **the maximum number of consecutive reserve days within the limits of** ORO.FTL.235(d).

- a. To protect **an 8 hours sleep opportunity, the operator rosters a period of 8 hours,** taking into account **Fatigue Management Principles.....**

GM1 CS FTL.1.230: NOTIFICATION proceduresassigned duties.... should avoid interference with sleep patterns if possible.

GM2 CS FTL.1.230: NOTIFICATION IN ADVANCE:

The minimum at least 10 hours between the notification and reporting.... may **include the period of 8 hours** during which a crew member....**is not contacted by the operator.**



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