

ANNEX I C

Requirements for construction, testing, installation, and inspection

3. CONSTRUCTION AND FUNCTIONAL REQUIREMENTS FOR RECORDING EQUIPMENT

3.15 **Displaying**

- (151) The display shall include at least 20 characters.
- (152) The minimum character size shall be 5 mm high and 3.5 mm wide.
- (153) The display shall support the characters specified in Appendix 1 Chapter 4 ‘Character sets’. The display may use simplified glyphs (e.g. accented characters may be displayed without accent, or lower case letters may be shown as upper case letters).
- (154) The display shall be provided with adequate non-dazzling lighting.
- (155) Indications shall be visible from outside the recording equipment.
- (156) The recording equipment shall be able to display:
 - default data,
 - data related to warnings,
 - data related to menu access,
 - other data requested by a user.

Additional information may be displayed by the recording equipment, provided that it is clearly distinguishable from information required above.

- (157) The display of the recording equipment shall use the pictograms or pictograms combinations listed in Appendix 3. Additional pictograms or pictograms combinations may also be provided by the display, if clearly distinguishable from the aforementioned pictograms or pictograms combinations.
- (158) The display shall always be ON when the vehicle is moving.
- (159) The recording equipment may include a manual or automatic feature to turn the display OFF when the vehicle is not moving.

Displaying format is specified in Appendix 5.

3.15.1 *Default display*

- (160) When no other information needs to be displayed, the recording equipment shall display, by default, the following:
 - the local time (as a result of UTC time + offset as set by the driver),
 - the mode of operation,
 - the current activity of the driver and the current activity of the co-driver,
 - information related to the driver:
 - if his current activity is DRIVING, his current continuous driving time and his current cumulative break time,
 - if his current activity is not DRIVING, the current duration of this activity (since it was selected) and his current cumulative break time.

(161) Display of data related to each driver shall be clear, plain and unambiguous. In the case where the information related to the driver and the co-driver cannot be displayed at the same time, the recording equipment shall display by default the information related to the driver and shall allow the user to display the information related to the co-driver.

(162) In the case where the display width does not allow displaying by default the mode of operation, the recording equipment shall briefly display the new mode of operation when it changes.

(163) The recording equipment shall briefly display the card holder name at card insertion.

(164) When an 'OUT OF SCOPE' or FERRY/TRAIN condition is opened, then the default display must show using the relevant pictogram that the particular condition is opened (it is acceptable that the driver's current activity may not be shown at the same time).

3.15.2 *Warning display*

(165) The recording equipment shall display warning information using primarily the pictograms of Appendix 3, completed where needed by additional numerically coded information. A literal description of the warning may also be added in the driver's preferred language.

3.15.3 *Menu access*

(166) The recording equipment shall provide necessary commands through an appropriate menu structure.

3.15.4 *Other displays*

(167) It shall be possible to display selectively on request:

- the UTC date and time, and local time offset,
- the content of any of the six printouts under the same formats as the printouts themselves,
- the continuous driving time and cumulative break time of the driver,
- the continuous driving time and cumulative break time of the co-driver,
- the cumulated driving time of the driver for the previous and the current week,
- the cumulated driving time of the co-driver for the previous and the current week,

optional:

- the current duration of co-driver activity (since it was selected),
- the cumulated driving time of the driver for current week,
- the cumulated driving time of the co-driver for the current daily work period,
- the cumulated driving time of the driver for the current daily work period.

(168) Printout content display shall be sequential, line by line. If the display width is less than 24 characters the user shall be provided with the complete information through an appropriate mean (several lines, scrolling, ...).

Printout lines devoted to hand-written information may be omitted for display.