

## Working Party on Inland Water Transport

## CEVNI Expert Group

## Thirty-fifth meeting

Geneva, 27 November 2020

**Definitions of rhythmic lights**

At its thirty-first meeting, the CEVNI Expert Group (a) discussed the amendment proposals to CEVNI provisions concerning rhythmic lights (Articles 1.01, 3.08, 3.27, 3.28, 6.04, 9.04 and annexes 3 and 8) as contained in CEVNI EG/2019/18 and (b) noted that paragraph 8 of ECE/TRANS/SC.3/WP.3/2019/15 (definitions of scintillating light and quick scintillating light) required a detailed analysis. The secretariat was asked to prepare an overview of the terms and definitions of rhythmic lights used in COLREG, IALA and national regulations and come back to this issue at its future meetings.

**A. CEVNI**

3. The terms “scintillating light” and “quick scintillating light” mean rhythmic lights flashing 40–60 times per minute and 100–120 times per minute.<sup>1</sup>

**B. Police Regulations for the Navigation of the Rhine**

v) “Scintillating light”, “quick scintillating light”:

a light which has a number of light periods, for a scintillating light, complying with the requirements of line 1 and, for a quick scintillating light, - with the requirements of line 2 or line 3 of table 3 of European standard EN 14744:2005.

**C. International standard EN 14744 “Inland navigation vessels and sea-going vessels – Navigation”**

Flashing light: sequence of regular light phenomena per unit of time.

Table 3 — Number of regular light phenomena of flashing lights

<i>Designation</i>	<i>Area</i>	<i>Number of regular light phenomena per minute</i>	
		<i>min</i>	<i>max</i>
Flashing light	CCNR, CEVNI	40	60
Quick flashing light	CCNR, CEVNI	100	120
Flashing light	COLREGs	120	–

(Source: <https://www.unece.org/fileadmin/DAM/trans/doc/2006/sc3wp3/Informal%20document%20No7%20E.pdf>)

<sup>1</sup> Referred to in articles 1.01, 3.08, 3.27, 3.28, 6.04, 9.04 and annexes 3 and 8.

**D. IALA Recommendation E-110 “Rhythmic Characters of Lights on Aids to Navigation” of the International Association of Marine Aids to Navigation and Lighthouse Authorities (Edition 4.0)**

**QUICK LIGHT**

General description: A light in which flashes are repeated at a rate of not less than 50 flashes per minute but less than 80 flashes per minute.

Specification: A light in which identical flashes are repeated at the rate of 60 flashes per minute.

**VERY QUICK LIGHT**

General description: A light in which flashes are repeated at a rate of not less than 80 flashes per minute but less than 160 flashes per minute.

Specification: A light in which identical flashes are repeated at the rate of 120 flashes per minute.

**E. COLREGs**

In accordance with Rule 21 (f) (Definitions), "flashing light " means a light flashing at regular intervals at a frequency of 120 flashes or more per minute.

(Source: [https://ecolregs.com/index.php?Itemid=505&id=161:flashing-light&lang=en&option=com\\_k2&v](https://ecolregs.com/index.php?Itemid=505&id=161:flashing-light&lang=en&option=com_k2&v))

**F. SIGNI**

5.1.2 The terms “quick light” and “very quick light” mean rhythmic lights at a rate of 50-80 flashes per minute and 80-160 flashes per minute.

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