

## UI SC132 "Release Operation of the CO<sub>2</sub> System"

### Part A. Revision History

Version no.	Approval date	Implementation date when applicable
Rev.3 (May 2010)	19 May 2010	1 July 2010
Rev.2 (Nov 2005)	17 November 2005	-
Rev.1 (July 2004)	5 July 2004	-
NEW (May 1998)	8 May 1998	1 January 1999

- **Rev.3 (May 2010)**

#### .1 Origin for Change:

- Suggestion by IACS member

#### .2 Main Reason for Change:

This revision of UI SC132 was developed due to introduction of SOLAS Chapter II-2 10.4.1.5 by MSC.256(84).

#### .3 History of Decisions Made:

This revision of UI SC132 was discussed and developed by the Statutory Panel per se through correspondence and finally agreed unanimously by the Panel at its 11th Meeting.

#### .4 Other Resolutions Changes

None

#### .5 Any dissenting views

This revision of UI SC132 was agreed unanimously by the Panel.

#### .6 Dates:

Original Proposal: *13 November 2009 made by Statutory Panel*  
 Statutory Panel Submission to GPG: *30 April 2010*  
 GPG Approval: *19 May 2010 (ref. 10055\_IGb)*

- **Rev.2 (Nov 2005)**

Outcome of WP/FP&S task no.41 – change to reference regulation in accordance with SOLAS 2000 amendments.

No TB document available.

- **Rev.1 (July 2004)**

No TB document available – addition of 'Contracted for Construction' footnote.

- **NEW (May 1998)**

No TB document available.

## Part B. Technical Background

List of Technical Background (TB) documents for UI SC132:

Annex 1. **TB for Rev.3 (May 2010)**

See separate TB document in Annex 1.



**Note:** *There are no separate Technical Background (TB) documents for the original resolution (May 1998), Rev.1 (July 2004) and Rev.2 (Nov 2005).*

## Technical Background for UI SC132 Rev.3, May 2010

### 1. Scope and objectives

To interpret the application scope of FSS Chapter 5.2.2.2 following the introduction of SOLAS Chapter II-2 10.4.1.5 by MSC.256(84) and achieve the common manner on implementation.

### 2. Engineering background for technical basis and rationale

Following the introduction of SOLAS Chapter II-2 10.4.1.5 by MSC.256(84), the Panel recognized the necessity to revise UI SC132 in the manner of achieving harmonization of the protected spaces addressed by FSS/5.2.2.2 with those specified by FSS/5.2.1.3.2 (as summarized in the table below) but for new ships only. To this end, this revision of UI SC132 shall be implemented only on ships contracted for construction on/after 1 July 2010. The revised text of UI SC132 is therefore similar to the interpretation given in MSC/Circ.1120 (or UI SC25) for FSS 5.2.1.3.2 (spaces where CO<sub>2</sub> alarm is required).

Reference	Requirement	Application	Comment
2001 SOLAS II-2/5.2.5	CO <sub>2</sub> system to have two separate controls	1. any CO <sub>2</sub> system 2. installed ≥ 1 Oct 94	Scope of application is the broadest of all the references
FSS/5.2.2.2		1. any CO <sub>2</sub> system 2. ships constructed ≥ 1 July 2002	
SC 132	Clarifies scope of application of SOLAS II-2/5.2.5 and FSS/5.2.2.2	1. normally manned spaces 2. ships contracted for construction ≥ 1 July 1999	SC 132 narrows the scope of application relative to other references
FSS/5.2.1.3.2	All fixed systems to have audible alarm	1. ro-ro spaces 2. spaces where personnel normally work 3. spaces where personnel have access.	Scope of application is broader than SC 132 and SOLAS II-2/10.4.1.5
MSC/Circ.1120	Clarifies scope of application of alarm requirements under FSS/5.2.1.3.2	1. ro-ro cargo spaces 2. holds in container ships equipped for integrated reefer containers 3. other spaces where personnel can be expected to enter and where the access is therefore facilitated by doors or manway hatches.	This application covers spaces which are much broader than those spaces which are normally manned.
SOLAS II-2/10.4.1.5	Comply with FSS/5.2.2.2	1. Machinery spaces 2. cargo pump-rooms 3. ships constructed < 1 July 2002	Retroactive

### **3. Source/derivation of the proposed IACS Resolution**

MSC/Circ.1120 (or UI SC25) was referred and the revised text of UI SC132 is similar to the interpretation given therein.

### **4. Summary of Changes intended for the revised Resolution:**

Based on item 2 above, the interpretation was changed as follows to make a more transparent link between the regulation being interpreted (FSS Code, Ch 5, 2.2.2) and the basis for that interpretation (FSS Code, Ch 5, 2.1.3.2 as interpreted by MSC/Circ.1120):

~~"These requirements only apply to systems protecting those spaces which are normally manned-~~

"The requirements of FSS Code, Ch 5, 2.2.2 apply to the spaces identified in Ch 5, 2.1.3.2 of FSS Code as interpreted by MSC/Circ.1120."

### **5. Points of discussions or possible discussions**

The Panel agreed that the FSS Code Ch.5-2.2.2 is also applicable to ro-ro spaces subject to SOLAS II-2/20.6.1.1.1. However with respect to the application of the retroactive requirements under SOLAS II-2/10.4.1.5, it's considered that UI SC132 is moot as it does not apply to ships contracted for construction before 1 Jan 1999. As there is no compelling need for retroactive application, the revision of SC132 was agreed to apply to new ships (contracted for construction on/after 1 July 2010) only.

### **6. Attachments if any**

N.A.