UI SC260 "Sample Extraction Smoke Detection System (FSS Code / Chapter 10 / 2.4.1.2 as amended by MSC.292 (87))

Part A. Revision History

Version no.	Approval date	Implementation date when applicable
New (Mar 2013)	26 March 2013	01 January 2014

• New (Feb 2013)

.1 Origin for Change:

☒ Suggestion by IACS member

.2 Main Reason for Change:

To clarify the definition of Fire control station for the purpose of the application of FSS Code 10.2.4.1.2 amended by MSC.292(87).

.3 List of non-IACS Member Classification Societies contributing through the TC Forum and/or participating in IACS Working Group:

None.

.4 History of Decisions Made:

The inquiry was raised by a member to seek the IACS statutory panel member's view regarding the arrangement of panels of Sample Extraction Smoke Detection Systems where control panel is located in CO2 room and indicating units (repeater panels) are located in the navigation bridge and fire control station whether this arrangement is regarded to satisfy the requirement of FSS Code 10.2.4.1.2 amended by MSC.292(87) .

.5 Other Resolutions Changes

None

.6 Dates:

Original Proposal: *09 July 2012 (By a Member)*
Panel Approval: *09 March 2013 (By Statutory Panel)*
GPG Approval: *26 March 2013 (13071_IGb)*

Part B. Technical Background

Annex 1. **TB for New (Mar 2013)**

See separate TB document in Annex 1.

Technical Background document for UI SC260 (New, March 2013)

1. Scope and objectives

The UI is intended to clarify the definition of Fire control station for the purpose of the application of FSS Code 10.2.4.1.2 amended by MSC.292(87).

Since CO2 room with CO2 control equipment complying with the provision of the FSS Code Chapter 5 is considered to be a fire control station, control panel of Sample Extraction Smoke Detection System could be located in CO2 room when applying the requirement of the regulation of FSS Code 10.2.4.1.2.

2. Engineering background for technical basis and rationale

None

3. Source / derivation of the proposed IACS Resolution

None

4. Summary of Changes intended for the revised Resolution:

Not applicable

5. Points of discussions or possible discussions

At the initial stage of discussion on this matter, the draft UI is intended to approach in the way that the repeater panel having same functionality with control panel can be regarded as control panel. So when the repeater panel of Sample Extraction Smoke Detection System is located on the bridge and fire control station, it should be considered that the FSS Code 10.2.4.1.2 is satisfied by a repeater panel which can be regarded as control panel.

However, the draft was amended to focus on the definition of fire control station especially regarding CO2 room rather than the functional similarity between the control panel and repeater panel after discussion among the panel members.

Some of panel members raised concerns that PSC may object to the control panel in the CO2 room no matter that the repeater panel in the bridge or fire control station has the same functionality. And it would be acceptable to locate control panel that a fire in the space or spaces protected will not put the system out of action/function other than fire control station or navigation bridge provided that fire control station or navigation bridge is provided with a repeater panel having same functionality with control panel.

In addition, previous FSS Code adopted by Res.MSC.98(73) 10.2.4.1.1, which applied to the ships constructed on or after 1st July 2002 before 1st January 2012, requires that control panel shall be located on the navigating bridge or in the continuously manned central control station.

However, there is no definition of control panel of Sample Extraction Smoke Detection System in the previous FSS Code before amended by MSC.292 (87) but previous FSS

code 10.2.2.3 only requires that the control panel shall permit observation of smoke in the individual sampling pipe.

In this regard, the panel of Sample Extraction Smoke Detection System located in navigation bridge which permits observation of smoke in the individual sampling pipe by visual or electrical mean should be regarded as a control panel and considered to satisfy the requirement of FSS Code 10.2.4.1.1.

6. Attachments if any

None