

SUB-COMMITTEE ON SHIP SYSTEMS AND  
EQUIPMENT  
11th session  
Agenda item 9

SSE 11/INF.3  
2 December 2024  
ENGLISH ONLY  
Pre-session public release:

**REVIEW AND UPDATE SOLAS REGULATION II-2/9 ON CONTAINMENT OF FIRE TO  
INCORPORATE EXISTING GUIDANCE AND CLARIFY REQUIREMENTS**

**IACS unified interpretations of SOLAS II-2/9**

**Submitted by IACS**

**SUMMARY**

*Executive summary:* This document informs about IACS unified interpretations which have not been published as IMO circulars, but which may be useful in the review and update of SOLAS regulation II-2/9.

*Strategic direction,  
if applicable:* 7

*Output:* 7.48

*Action to be taken:* Paragraph 5

*Related documents:* SSE 11/9/1

**Background**

1 MSC 108 agreed to include the output on "Review and update SOLAS regulation II-2/9 on containment of fire to incorporate existing guidance and clarify requirements" in the provisional agenda of this session.

**Discussion**

2 Since the adoption of the current SOLAS regulation II-2/9 in 2000, IACS has developed many unified interpretations to support the safe and consistent implementation of the requirements.

3 Some of IACS unified interpretations pertaining to SOLAS regulation II-2/9 have been published as MSC circulars. Document SSE 10/17/1 (IACS) proposes the incorporation of such MSC circulars into SOLAS regulation II-2/9.

4 This document provides the following IACS unified interpretations in support of the work on this agenda item, which have not been published as IMO circulars, but which may be useful to help to clarify requirements and eliminate ambiguities when revising SOLAS regulation II-2/9, as proposed in document SSE 11/9/1 (IACS).

<b>IACS UI</b>	<b>Adoption year</b>	<b>Content</b>	<b>SOLAS reference</b>
SC45/Rev.1	2005	Fire integrity of bulkheads and decks	II-2/9.2.3.3 and 9.2.4.2
SC101/Rev.1	2005	Main vertical zones	II-2/9.2.2.1
SC106/Rev.1	2005	Galley exhaust duct	II-2/9.7.5.2
SC107/Rev.1	2005	Continuous ceiling	II-2/9.2.2.2.3
SC108/Rev.1	2005	Galley exhaust duct	II-2/9.7.5.1
SC118/Rev.2	2015	Exhaust duct from galley ranges	II-2/9.7.5.1.1.2 and 9.7.5.2.2
SC119/Rev.1	2005	Balancing ducts	II-2/9.4.1.2 and 9.4.2.3
SC192	2004	Arrangement of galley ducts	II-2/9.7.2.1

**Action requested of the Sub-Committee**

5 The Sub-Committee is invited to note the IACS UIs provided in the annex in support of its work on this agenda item, as proposed in document SSE 11/9/1.

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**ANNEX**

**IACS UI SC45/REV.1**

**SC45 Fire integrity of bulkheads and decks**

(Rev.1  
Nov 2005)

**(Reg. II-2/9.2.3 and 9.2.4)**

The following spaces are considered to belong to the categories of spaces dealt with by Reg. II-2/9.2.3 and 9.2.4, for the purpose of this regulation, as follows :

- Navigation equipment room (radar transmitter) and battery rooms (1): Control Stations

Note 1: Provision chambers are to be treated as store rooms.

Note 2: Refrigerated provision chambers are to be Category 9 service spaces if thermally insulated with combustible materials, or Category 5 service spaces if thermally insulated with non-combustible materials.



IACS UI SC101/REV.1

SC101

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**SC**      **Main vertical zones**

**101**

(1994)  
(Rev.1  
Nov 2005)

(Reg. II-2/9.2.2.1)

If a stairway serves two main vertical zones, the maximum length of one main vertical zone is to be measured from the far side of the main vertical zone stairway enclosure. In this case, all boundaries of the stairway enclosure are to be insulated as main vertical zone bulkheads and access doors leading into the stairway are to be provided from the zones (see Figures 1 to 4 for regulation 9.2.2.1). However, the stairway is not to be included in calculating the size of the main vertical zone if it is treated as its own main vertical zone.  
*(MSC/Circ. 1120)*

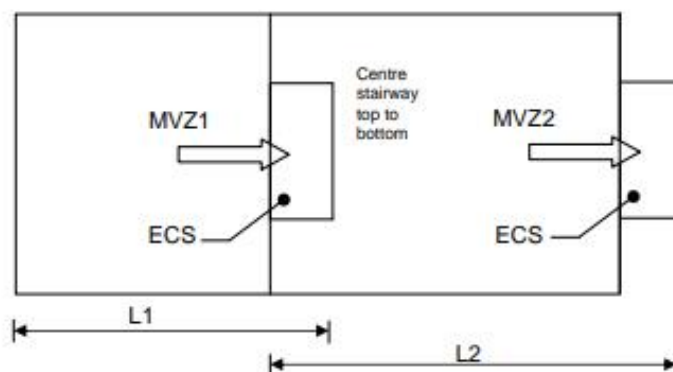
The number of MVZ of 48m length is not limited as long as they comply with all the requirements.

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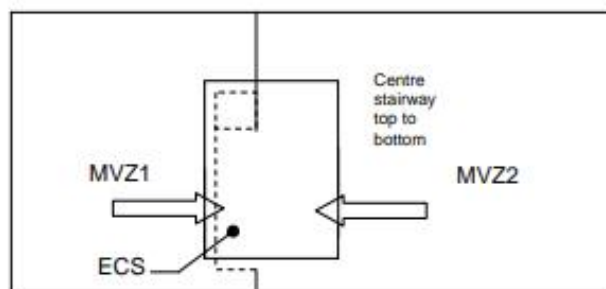
Note:

Rev.1 of this UI is to be uniformly implemented by IACS Societies from 1 July 2006.

**SC  
101**  
(cont)

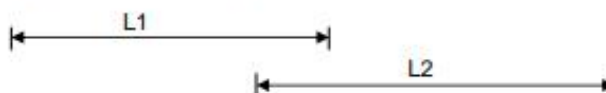


**Figure 1: ECS serves one MVZ**

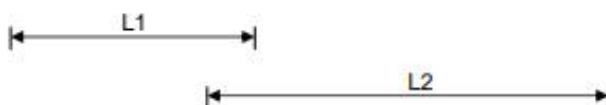


----- Option to reverse boundaries

Option 1: ECS belongs to MVZ1.



Option 1: ECS belongs to MVZ2.



- Notes:  
 \*MVZ: Main vertical zone  
 ECS: ESCAPE stairway  
 : Direction of escape

**Figure 2: ECS serves two MVZ's**

**SC  
101**  
(cont)

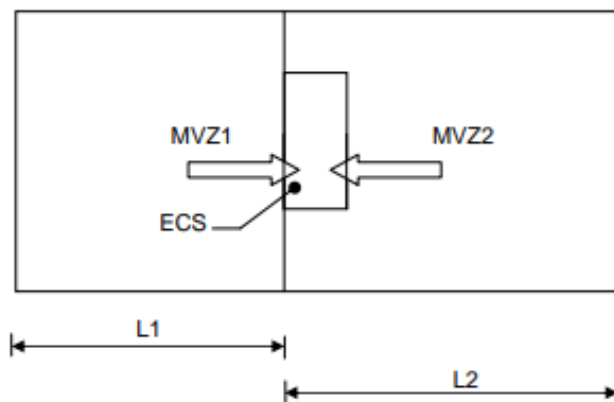
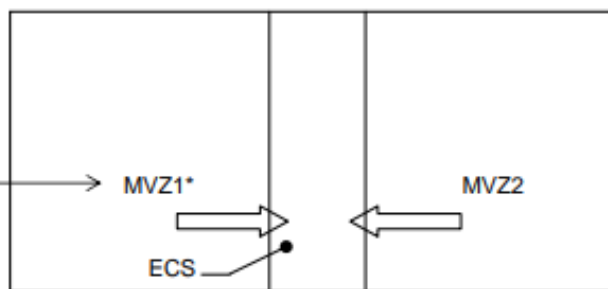


Figure 3: ECS serves two MVZ's (ECS belongs to MVZ2)

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In Figure 4 of  
IMO  
MSC/Circ.1120  
there is an  
error.  
  
It indicates  
MVZ2 instead  
of MVZ1.  
It should be  
MVZ1.



Option 1: ECS belongs to MVZ1.



Option 2: ECS should be treated as MVZ.

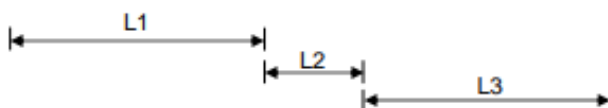


Figure 4: ECS serves two MVZ's

End of  
Document

IACS UI SC106/REV.1, IACS UI SC 107/REV.1, IACS UI SC108/REV.1

## **SC106 Galley exhaust duct**

(1995)  
(Rev.1  
Nov 2005)

(Reg. II-2/9.7.5.2.1)

Grease trap, fire damper, fan shut-off and fixed fire extinguishing are only required when a galley exhaust duct passes through accommodation spaces or spaces containing combustible materials. The term "spaces containing combustible materials" will normally apply to all spaces in accommodation. ◀◀

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## **SC107 Continuous ceiling**

(1995)  
(Rev.1  
Nov 2005)

(Reg. II-2/9.2.2.2.3)

If an air gap between cabins results in an opening in the continuous class B-15 ceiling, the bulkheads on both sides of the air gap are to be of class B-15. ◀◀

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## **SC108 Galley exhaust duct**

(1995)  
(Rev.1  
Nov 2005)

(Reg. II-2/9.7.5.1)

The requirements to exhaust ducts from galley ranges in which grease or fat is likely to accumulate will apply to all exhaust ducts from galley ranges. ◀◀

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IACS UI SC118/REV.2

SC118

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**SC**      **Exhaust duct from galley ranges**  
**118**

(1996)      (Reg. II-2/9.7.5.1.1 and 9.7.5.2.1)  
(Rev.1)

Nov 2005)      Fire dampers required by Reg. II-2/9.7.5.1.1 and 9.7.5.2.1 do not need to pass the fire test in  
(Rev.2)      either Res. A 754(18) or Appendix 2 of Part 3, of Annex 1 of the 2010 FTP Code, but should  
July 2015)      be of steel and capable of stopping the draught. The requirements to "A" class applies only to  
the part of the duct outside of the galley.

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Note:

1. This UI is to be uniformly implemented by IACS Members on ships constructed before 1 January 2016.

End of  
Document



IACS UI SC119/REV.1

SC119

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## SC119 Balancing ducts

(1996)  
(Rev.1  
Nov 2005)

(Reg. II-2/9.4.1.2 and Reg. II-2/9.4.2)

Balancing openings or ducts between two enclosed spaces are prohibited except for openings as permitted by Reg. II-2/9.4.1.2 and Reg. II-2/9.4.2.



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SC119-1

IACS Int. 1996/Rev.1 2005

## IACS UI SC192

SC192

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### **SC192 Arrangement of galley ducts**

(Dec 2004)

**SOLAS Reg.II-2/9.7.2.1:**

The ventilation systems for machinery spaces of category A, vehicle spaces, ro-ro spaces, galleys, special category spaces and cargo spaces shall, in general, be separated from each other and from the ventilation systems serving other spaces, except that the galley ventilation systems on cargo ships of less than 4,000 gross tonnage and in passenger ships carrying not more than 36 passengers need not be completely separated, but may be served by separate ducts from a ventilation unit serving other spaces. In any case, an automatic fire damper shall be fitted in the galley ventilation duct near the ventilation unit.

#### **Interpretation**

The expression "in any case" means, in this context, "for any duct section" and this sentence actually applies to arrangements where a ventilation unit serves some spaces and a galley by a separate duct, as permitted for cargo ships of less than 4,000 gross tonnage and for passenger ships carrying not more than 36 passengers.

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#### **Note:**

This UI is to be uniformly implemented by IACS Members and Associates to ships keel laid from 1 July 2005.

END

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**IACS Int. 2004**