



## Standard Practice for Preparing Shipboard Fire Control Plans<sup>1</sup>

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### INTRODUCTION

Title 46 of the Code of Federal Regulations 35.10-3, 78.45-1, and 97.36-1 contain the requirements for fire control plans aboard Coast Guard inspected vessels. When required, foreign and U.S. vessels on international voyages must comply with the 1974 International Convention for the Safety of Life at Sea (SOLAS). Contained in Regulation II-2/20 and 41-2 of the 1974 SOLAS Convention are requirements for shipboard fire control plans. This practice provides guidance on the symbols to be used in shipboard fire control plans, and has been developed in general conformance with the International Maritime Organization's Assembly Resolution A.654(16).

#### 1. Scope

1.1 This practice sets forth the symbols to be used in shipboard fire control plans.

#### 2. Referenced Documents

2.1 *ASTM Adjuncts:*

F 1626 Shipboard Fire Control Plan<sup>2</sup>

#### 3. Significance and Use

3.1 The fire control plan is a set of general arrangement plans for each deck of the ship that contains information that will be of use to the ship's crew and shoreside fire fighters in the event of a fire. Experience has shown that in casualties involving fire, one of the most valuable assets on the ship is the fire control plan. Most of the information the ship's crew and shoreside fire fighting personnel would need, such as general layout and dimensions, fire fighting systems, and other systems that have a direct impact on fire fighting, are included in the fire control plan. The fire control plan is also ideal for firefighters and marine inspectors to use as a guide when taking tours on ships, since it contains the location of most items they will be looking for. In addition, having a consistent set of standard fire control plan symbols will eliminate the need for shoreside fire fighting personnel to know each ship's respective fire control plan symbols.

<sup>1</sup> This practice is under the jurisdiction of ASTM Committee F-25 on Ships and Marine Technology and is the direct responsibility of Subcommittee F25.07 on General Requirements.

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<sup>2</sup> Illustration of symbols is available from ASTM Headquarters. Order Adjunct No. ADJF1626.

#### 4. General Requirements

4.1 The fire control plan symbols should be displayed on a general arrangement-type plan. The general arrangement-type plan should show all spaces on each deck, and the symbols used should identify the information needed for use by shipboard or shore-based firefighters. The information required to be displayed on fire control plans should be in accordance with the 1974 SOLAS Convention, Regulation II-2/20, 41-2 or as determined by the vessel's flag administration, or both.

#### 5. Physical Requirements

5.1 *Dimension*—Shall be as required by scale.

5.2 *Scale*—The scale used on fire control plans shall allow for clear and legible representation of all symbols and lettering.

5.3 *Color*—Finish shall allow for good contrast and representation of the color symbols.

#### 6. Symbols

6.1 A legend identifying all symbols and supplementary symbols or figures shall be provided.

6.2 Scale of the symbol shall be the same size in relation to all others.

6.3 The effectiveness of these symbols may be enhanced by the use of supplementary indicators. If such indicators are used, they may be placed inside of, or adjacent to, the symbol as seen fit.

#### 7. Illustration of Symbols

7.1 The symbols are available separately in an adjunct.<sup>2</sup>

#### 8. Keywords

8.1 fire control plans; fire fighting; marine technology; shipboard fire; ships