KR
KOREAN REGISTER

2021

Interim Guidelines for Smart Ship Infrastructure

GL-0024-E

KR

CONTENTS

CHAPTER 1 GENERAL

Section 1 General

101. General

With the advancement of information and communication technology and the digitalization of the shipping industry, installations of equipment to collect data related to the operation of ships through various means and use the collected data to optimize ship operation are increasing. Such data-related equipment plays an important role as an infrastructure that enables the smart functions in ships.

102. Objective

The purpose of this interim guideline is to ensure the safety and reliability of the infrastructure of smart ships.

103. Class notation

Ships equipped with smart infrastructures may be assigned the additional installations notation of **Smart (INFRA)** according to this interim guideline.

104. Application

The **Smart (INFRA)** notation in accordance with this Interim Guideline can be applied to both existing and new ships.

Section 2 Drawings and Data

201. Drawings and data to be submitted

1. For smart ships subject to initial survey, the following drawings and data are to be submitted for reference to the Society. In addition, if deemed necessary by the Society, additional drawings and data other than those specified below may be requested.
   (1) Operation manual
   (2) Functional description
   (3) Software quality plan
   (4) Test procedure ⚓

CHAPTER 2 CLASSIFICATION SURVEYS

Section 1 Testing and Inspection

101. Initial survey

1. During initial survey of ships equipped with smart infrastructure, the following items are to be checked:

   (1) Proper installation of the equipment related smart infrastructure
   (2) Proper provision on board of all relevant documents, procedures manuals and record books ⚓