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FAL.5/Circ.39/Rev.2  
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## **GUIDELINES FOR THE USE OF ELECTRONIC CERTIFICATES**

- 1 The Facilitation Committee, at its fortieth session (4 to 8 April 2016), approved the attached *Guidelines for the use of electronic certificates* (the Guidelines).
- 2 Member Governments are invited to bring the Guidelines to the attention of all stakeholders, in particular, those who are involved in the process of issuance, maintenance, endorsement and revision of electronic certificates, such as recognized organizations, port State control officers, shipowners and crew, agents and vetting companies.
- 3 Member Governments are also invited to take the necessary actions at the national level to ensure that adequate legislation is in place for the use and acceptance of electronic certificates, as may be required.
- 4 Member Governments, international organizations and non-governmental organizations with consultative status are also invited to bring to the attention of the Committee, at the earliest opportunity, the results of the experience gained from the use of the Guidelines for consideration of action to be taken.
- 5 This circular revokes FAL.5/Circ.39/Rev.1.

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## ANNEX

### GUIDELINES FOR THE USE OF ELECTRONIC CERTIFICATES

#### 1 Introduction

1.1 The Organization aims to reduce the administrative burden on Administrations, port State control officials, ships' crews and other stakeholders caused, amongst other reasons, by reliance on traditional paper certificates.

1.2 Signed paper certificates issued by Governments and recognized organizations authorized to act on their behalf have been the traditional means of documenting compliance with IMO requirements.

1.3 Contracting Governments using electronic certificates, including printed versions of electronic certificates, have experienced instances of port State control officers or other stakeholders denying the validity of these certificates, resulting in a burden to the master and crew, shipowner or operator, port State control officers, Administration and other stakeholders.

1.4 In addition, ships have experienced instances of port State control actions because a traditional paper certificate has been issued but has not arrived on the ship or the traditional paper certificate has been damaged or lost.

1.5 Establishing a recognized set of features for using electronic certificates should help alleviate problems inherent in reliance on paper.

#### 2 Purpose

The purpose of these Guidelines is to facilitate the use and acceptance of electronic certificates.

#### 3 Definitions

For the purpose of these Guidelines:

- .1 *Certificate* means a document issued by an Administration or its representatives that is used to show compliance with IMO requirements and used to describe operating conditions, crewing requirements, and ship equipment carriage requirements. The term "certificate" does not include publications, manuals, instructions or ships' logs used to record ongoing operations;
- .2 *Electronic certificate* means a certificate issued in an electronic format;
- .3 *Electronic signature* means data in electronic form which is attached to or logically associated with other electronic data to serve as a method of authentication of the issuer and contents of the electronic data;

- .4 *Printed version of electronic certificate* means a paper printout produced from the electronic certificate;
- .5 *Unique tracking number* means a string of numbers, letters or symbols used as an identifier to distinguish an electronic certificate issued by an Administration or its representative from any other electronic certificate issued by the same Administration or its representative; and
- .6 *Verifying* means a reliable, secure and continuously available process to confirm the authenticity and validity of an electronic certificate using the unique tracking number and other data contained on or embedded in the electronic certificate.

#### **4 Features**

4.1 Administrations that use electronic certificates should ensure that these certificates have the following features:

- .1 validity and consistency with the format and content required by the relevant international convention or instrument, as applicable;
- .2 protected from edits, modifications or revisions other than those authorized by the issuer or the Administration;
- .3 a unique tracking number used for verification as defined in paragraphs 3.5 and 3.6; and
- .4 a printable and visible symbol that confirms the source of issuance.

4.2 Administrations that use websites for online viewing or verifying electronic certificates should ensure that these sites are constructed and managed in accordance with established information security standards for access control, fraud prevention, resistance to cyberattacks and resilience to man-made and natural disasters.<sup>1</sup>

4.3 Shipowners, operators and crews on ships that carry and use electronic certificates should ensure that these certificates are controlled through the safety management system, as described in section 11 of the International Safety Management Code.

4.4 Electronic signatures applied to electronic certificates should meet authentication standards, as adopted by the Administration.

#### **5 Verification**

Instructions for verifying (see paragraph 3.6) the information contained in the electronic certificate, including confirmation of periodic endorsements, when necessary, should be available on board the ship.

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<sup>1</sup> Such as the International Organization for Standardization/International Electrotechnical Commission 27000 series standards and similar guidelines, including requirements of the Administration.

## **6 Notifications**

Administrations deciding to issue or authorize issuance of electronic certificates are invited to inform the Committee on their experience. All Administrations are urged to communicate to the Organization through the relevant module in the Global Integrated Shipping Information System (GISIS), the list of certificates categories identified in FAL.2/Circ.127-MEPC.1/Circ.817-MSA.1/Circ.1462 which will be issued by the Administration or its representative as electronic certificates.

## **7 Acceptance**

All stakeholders should accept electronic certificates containing the features identified in section 4. These electronic certificates should be verified, when necessary, following the instructions available on board the ship (see paragraph 3.4). Furthermore, port State control officers, in accepting electronic certificates, should follow the *Procedures for Port State Control, 2011* (resolution A.1052(27)).

## **8 Implementation**

Administrations should put in place the necessary procedures in order to ensure that all related stakeholders' needs, capacities and expectations are taken into consideration before and during the implementation of electronic certificates.

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