



BUREAU  
VERITAS

**MARINE & OFFSHORE**



NAPOLI 24 - 29 SETTEMBRE 2018



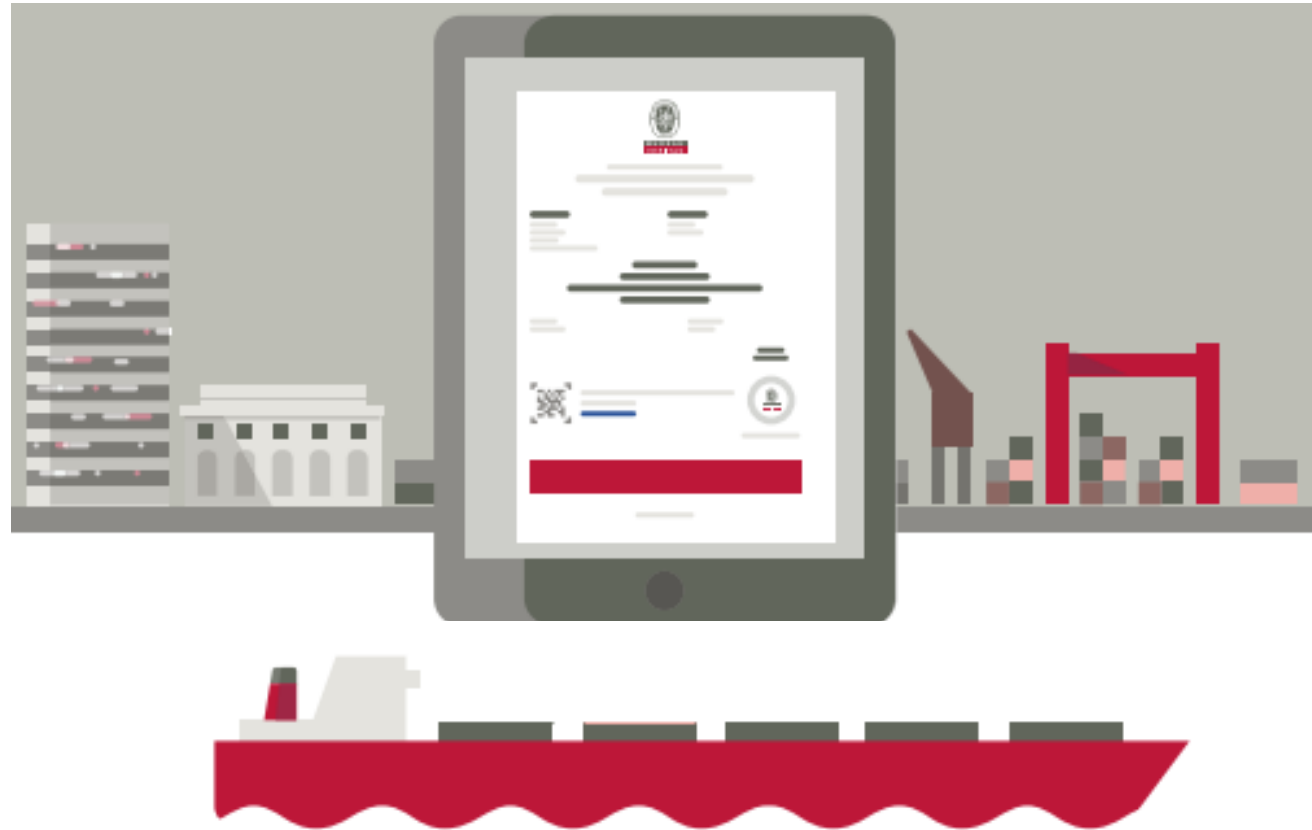
**BV E-certificate**

**NAPOLI 24 - 29 SETTEMBRE 2018**

*Ing. Carlo Bozzetti*

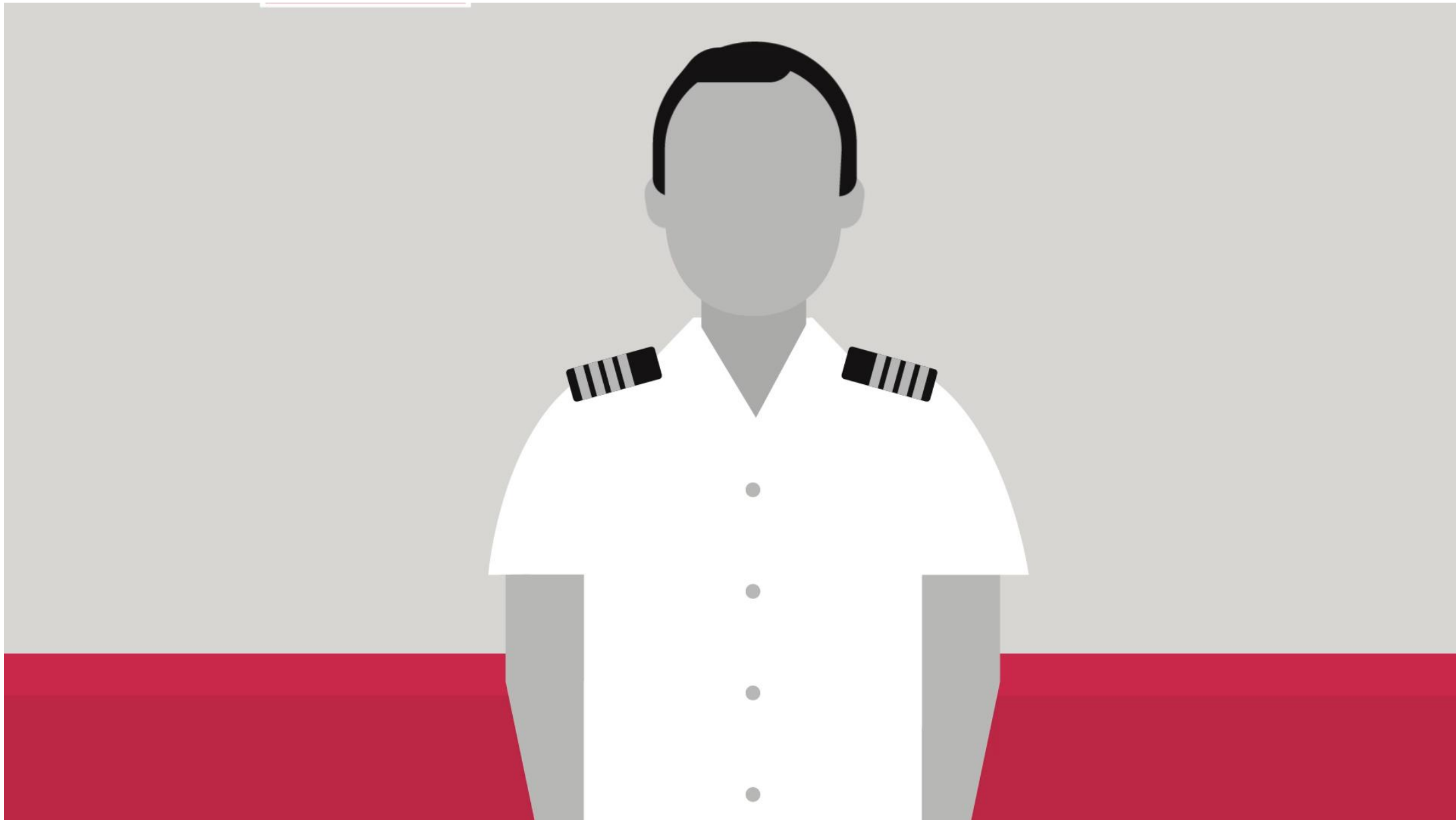
*BV M&O Marine Manager*

# BV DIGITAL CERTIFICATE



**Fast, simple and secure access  
to class and statutory certificates**

# BV DIGITAL CERTIFICATE





**Prove your compliance**  
with e-certificates  
in accordance with  
IMO guidelines



**Real time access**  
Your e-certificate is available  
the minute your survey  
is complete



**Verify authenticity  
and validity**  
via a Bureau Veritas secured  
website accessible *24/7*  
via QR code, URL or unique  
identification number



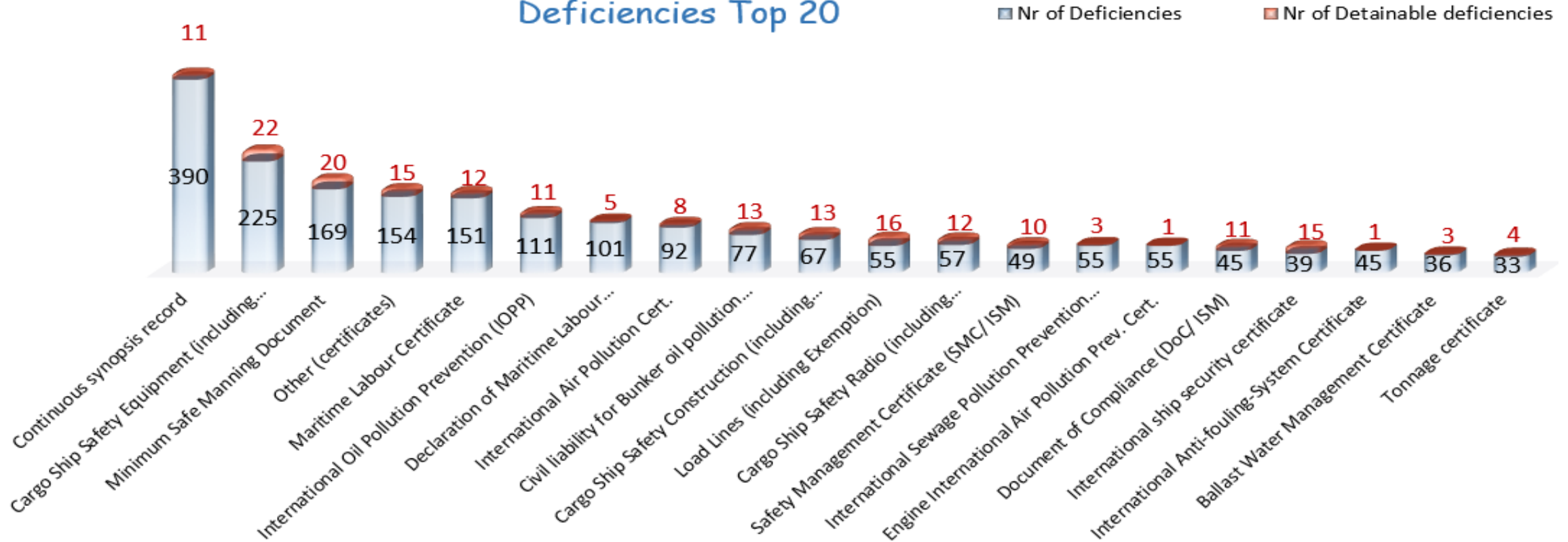
**Prevent fraud,**  
with a secure electronic  
signature that makes  
no modifications possible



## Paris MoU on Port State Control

<b>Inspection Database</b>	<b>Statistics &amp; Current Lists</b>	<b>PMoU Procedures</b>	<b>Publications</b>	<b>About us</b>	<b>Contact</b>
Monthly detentions	Inspections results, KPI's	<b>Inspection Results Deficiencies</b>	White, Grey and Black List	Flags meeting low risk criteria	ROs meeting low risk criteria

### Deficiencies Top 20



# BV DIGITAL CERTIFICATE



Bureau Veritas' **e-certificates** are developed in compliance with  
**IMO guidelines FAL 5/Circ.39/Rev 2**

### Content

1. “should be valid and consistent with the format and content required by the relevant international convention or instrument, as applicable”
2. “should have a printable and visible symbol that confirms the source of issuance”

### Security

1. “should be protected from edits, modifications or revisions other than those authorized by the issuer or the Administration”
2. “the electronic signature applied to electronic certificates should meet authentication standards, as adopted by the Administration”
3. “websites for online viewing or verifying electronic certificates should be constructed and managed in accordance with established information security standards for access control, fraud prevention, resistance to cyber-attacks and resilience to man-made and natural disasters”
4. “Ship owners, operators and crews on ships that carry and use electronic certificates should ensure that those certificates are controlled through the safety management system”

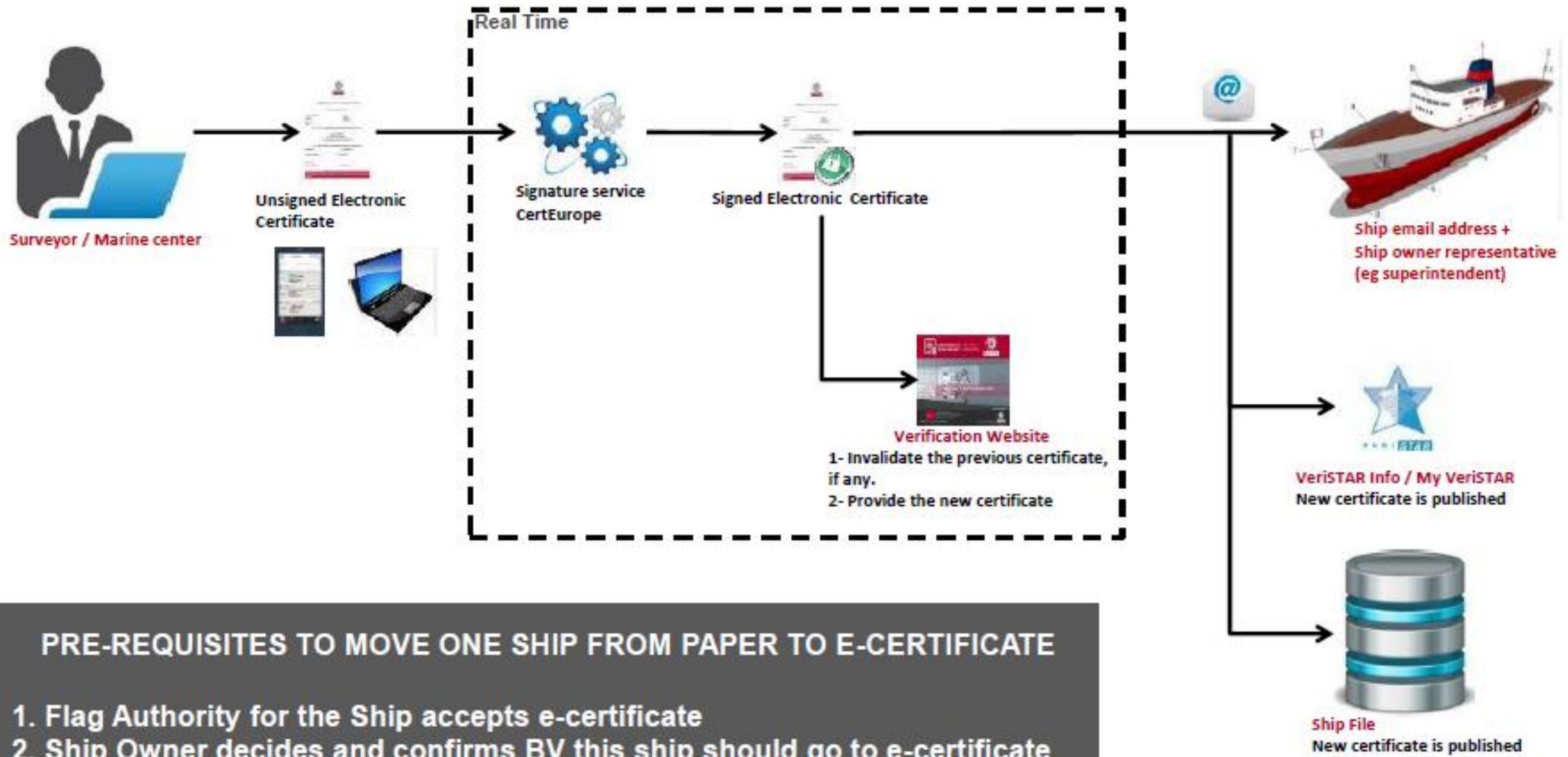
### Verification

1. “should have a unique tracking number used for verification”
2. “instructions for verifying the electronic certificate should be available on board”
3. “the verification process should be reliable, secure and continuously available 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”

\* Extract from FAL.5-Circ.39-Rev.2



# BV DIGITAL CERTIFICATE



**PRE-REQUISITES TO MOVE ONE SHIP FROM PAPER TO E-CERTIFICATE**

1. Flag Authority for the Ship accepts e-certificate
2. Ship Owner decides and confirms BV this ship should go to e-certificate

# BV DIGITAL CERTIFICATE



Digital Certificate

=



Current Certificate

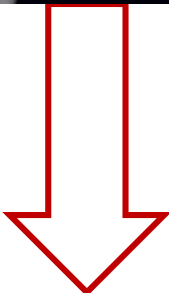
+



+



[Click here for validation page](#)



Digital signature in collaboration with



3<sup>rd</sup> party with expertise in digital signature

# BV DIGITAL CERTIFICATE

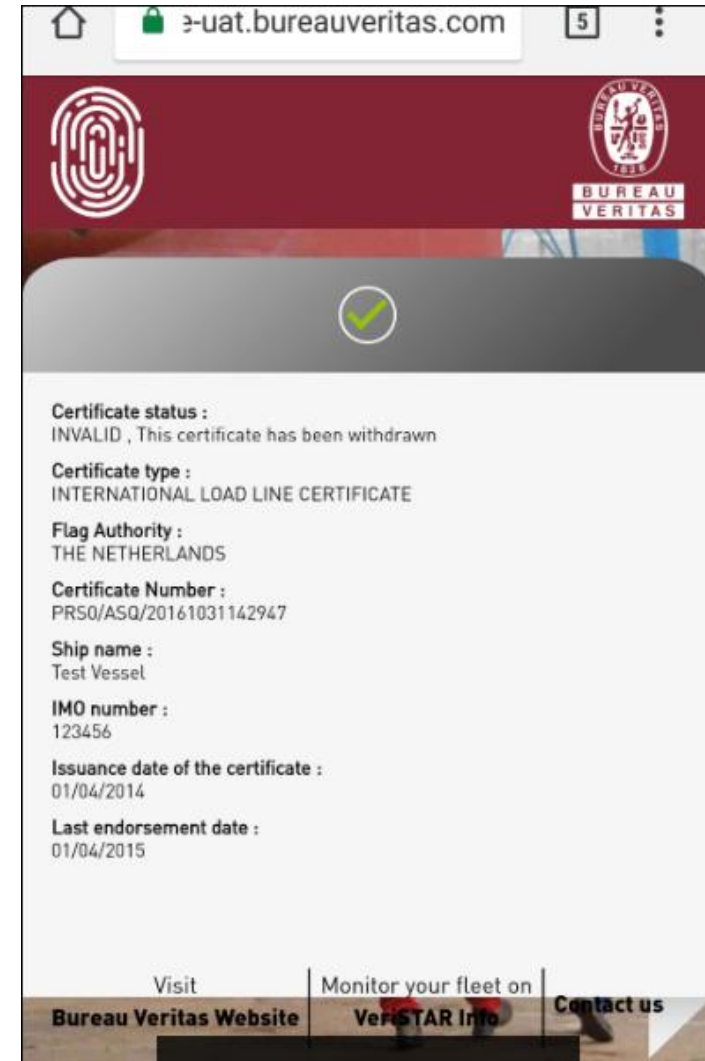
Certificate authenticity and validity can be verified via a secure online portal using a **QR code**, **URL** or **search via the certificate's unique identification number** .



**Valid certificate**

# BV DIGITAL CERTIFICATE

Certificate authenticity and validity can be verified via a secure online portal using a **QR code**, **URL** or **search via the certificate's unique identification number** .



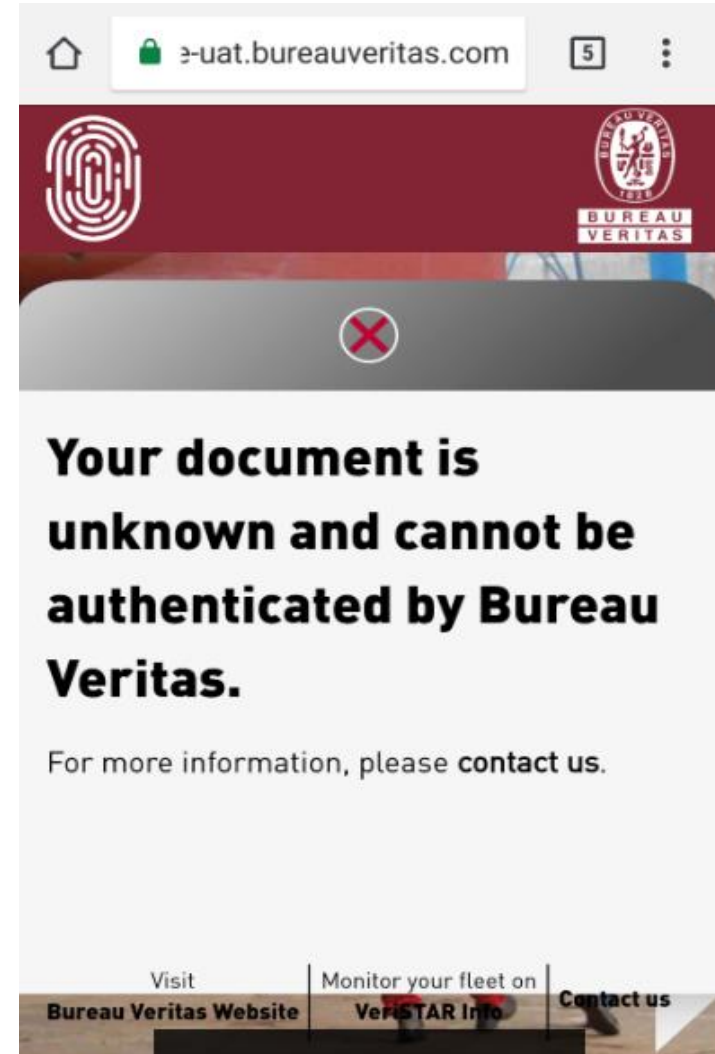
**Withdrawn certificate**

# BV DIGITAL CERTIFICATE

Certificate authenticity and validity can be verified via a secure online portal using a **QR code**, **URL** or **search** via the certificate's unique identification number .



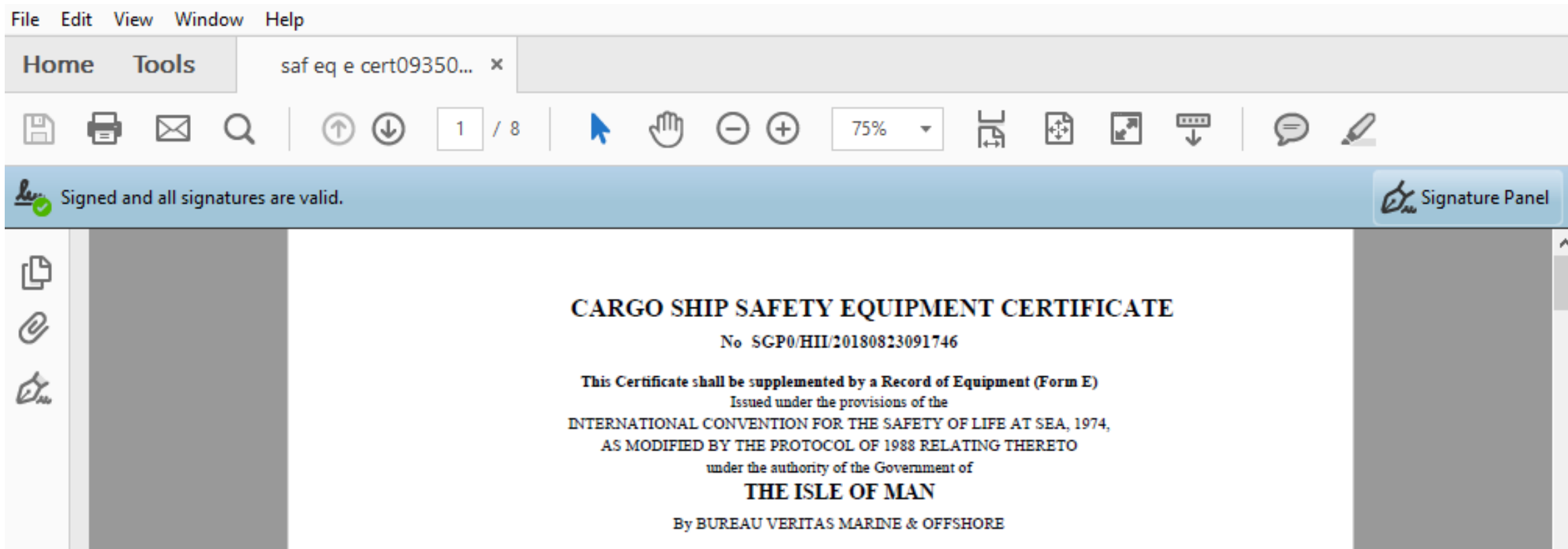
**Invalid certificate**



# BV DIGITAL CERTIFICATE

## If there is not internet connection?

Certificate authenticity and validity can be verified via ACROBAT Reader



The screenshot shows the Adobe Acrobat Reader interface. The top menu bar includes 'File', 'Edit', 'View', 'Window', and 'Help'. Below the menu is a toolbar with various icons for file operations and navigation. A status bar at the top of the document area displays a green checkmark and the text 'Signed and all signatures are valid.' To the right of this bar is a 'Signature Panel' button. The main content area displays the following text:

**CARGO SHIP SAFETY EQUIPMENT CERTIFICATE**  
No SGP0/HII/20180823091746

**This Certificate shall be supplemented by a Record of Equipment (Form E)**  
Issued under the provisions of the  
**INTERNATIONAL CONVENTION FOR THE SAFETY OF LIFE AT SEA, 1974,**  
**AS MODIFIED BY THE PROTOCOL OF 1988 RELATING THERETO**  
under the authority of the Government of  
**THE ISLE OF MAN**  
By BUREAU VERITAS MARINE & OFFSHORE



**BUREAU**  
**VERITAS**

***Move Forward with Confidence***