

No. 75 Format for Electronic Exchange of Class and Standard Reports Statutory Data

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Abstract:

This document details “Unified Data Exchange Format (UDEF)” for electronic exchange of class and statutory data between IACS Member Societies and Flag States.

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1. Electronic Access to Class and Statutory Data

1.1. Introduction

1.1.1 This document details the data requirements that have been developed to facilitate the exchange of class and statutory data by IACS Member Societies with flag state administrations. ~~Two means of exchange are defined in this document:~~

~~• **Electronic exchange:** Data definitions and data fields for the electronic exchange of data are detailed. The mechanism of exchange is explained below.~~

~~• **Formats and Layout** standards are shown for the visual presentation of the data using an online system.~~

1.2. ~~Electronic Exchange and online viewing~~ exchange

1.2.1 ~~The societies~~ Societies shall not provide printed information except by special cases. It is the responsibility of individual flag states ~~state administrations~~ state administrations to access the information and produce any relevant reports based on the data collected.

1.2.2 Access to the information shall be at the discretion of the individual society. Each society is invited to develop and run at its server the converting software to make the society's data compatible with the data format as described below.

1.2.3 This implementation of Unified Data Exchange Format (UDEF) will make data from all societies available and harmonized for further processing and allow arrangement of ~~Single~~ single window reporting, were any end user may collect complete and reliable data.

1.2.4 Usage of aggregating server software, based at any/some/all Member's server(s) or at IACS server, or specially designed application software installed at the end user's computer may provide ~~Flag-flag~~ states or other organizations with the complete data in single report irrelatively of a number of IACS ~~members~~ Members performing activities on behalf of the ~~Flag-flag~~ state.

1.2.5 The advantages UDEF may encourage IACS Members to facilitate processes of data supply for flag states and stimulate IACS for further integration of "Single ~~Window~~ window" reporting in the IMO RO Code.

1.2.6 For the purposes of electronic exchange of data with flag state the anticipated means of exchange will be by XML files via ~~Web-web~~ service. The formats of data are shown in the relevant section of the document.

1.2.7 As a temporary measure the XML file may be generated by IACS ~~Member(s)~~ Members and sent by e-mail/ftp on single or regularly bases to flag state(s). Frequency is the subject of bilateral ~~Agreement~~ agreement with flag state(s).

1.2.8 The e-mail/ftp must be secured in the proper way against any misuses or fraud acts.

1.2.9 Other means of data/file formats should be investigated as technology improves, although each organization may implement its own technology.

1.3 ~~Report formats~~

1.3.1 ~~A set of standard report formats has been developed for presenting key information on ships and management companies to flag states in a consistent manner.~~

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1.3.2 — The following report formats have been developed:

- ~~Periodical List of Certificates Issued, listing all certificates issued by the society on behalf of the flag state along with associated survey dates.~~
- ~~Periodical Report of Ship Management Company Audits, for each company, audit information is shown, giving the status of approval for the various ship types mentioned in the ISM Code, ISPS Code, MLC, the audit type and date, and the certificate date of issue and date of expiry.~~
- ~~Ship Survey Status Report, this report provides basic information about a ship, together with a listing of the current survey range dates and survey status. A list of ship comments is appended to the report.~~

1.3.3 — It is anticipated that each society would implement systems for producing reports, in the agreed format, as part of their existing corporate database systems.

4.4 — 1.3. Data Formats

1.4.3.1 ~~All dates~~ Dates exchanged shall be in the form of yyyy-mm-dd ~~(, as defined by ISO 8601).~~

1.3.2 Country codes shall be as defined by ISO 3166-1 alpha-3.

1.3.3 Locations codes shall be as defined by UNECE.

see <http://www.unece.org/cefact/locode/service/location.html>

If the UNECE code is not suitable, this may be substituted by an appropriate free text.

~~1.4.2~~ 1.3.4 All numeric data exchanged shall be used without thousand separator.

~~1.4.~~ 3.5 Special characters used by individual societies, e.g. in ~~Class Notations~~ class notations, which are not present in the standard character sets are to be substituted by an appropriate alternative character(s) as deemed appropriate by the individual society concerned.

1.4. ~~1.5~~ — Security

~~1.4.1.5.1~~ — The data shall be ~~reasonably~~ protected. Any ~~user's~~ user or aggregation software must be properly validated with appropriate access granted.

1.5. ~~1.6~~ — Reporting of ~~ISM, ISPS, MLC~~ Information Maritime Management System (MMS) information

~~1.6.1~~ 1.5.1 MMS covers ISM, ISPS and MLC. Administrations should be aware that ~~ISM, ISPS and MLC~~ MMS reporting from a single ~~RO~~ Member may not be complete.

2. Electronic Exchange

2.1. Introduction

2.1.1 This document does not affect internal data processing of any IACS member ~~Member~~ and does not specify the means of exchange or requirements for server, ~~user's~~ user or aggregation software.

2.1.2 For the UDEF implementation IACS ~~members~~ Member are invited to develop and run at their ~~servers~~ server specific software for translating external requests and returning the selected data from their databases to the initiators of requests.

2.2. Operation

2.2.1 The external requests must operate only with the data fields named in the Table No.1 below. The scope of data may vary on ~~Flag~~ flag state's requests, but not exceed the data fields named in the Table No.1.

2.2.2 ~~Some typical reports are shown in Para. 3~~ ~~Format of reports.~~

Table 1.

GENERAL DATA				
Field	Mandatory	Type	Format /Max Field Size	Comments
RO	Y	Text	20	RO may be one of the following codes: ABS=American Bureau of Shipping BV=Bureau Veritas CCS=China Classification Society CRS=Croatian Register of Shipping VL=DNV GL IRS=Indian Register of Shipping KR=Korean Register of Shipping LR=Lloyd's Register of Shipping NK=Nippon Kaiji Kyokai PRS=Polish Register of Shipping RINA=RINA Services S.p.A. RS=Russian Maritime Register of Shipping Non-IACS members ROs may use other codes and abbreviations.
Date	Y	Date	yyyy-mm-dd	Export date
Release	Y	Number	2	Release Number of the data protocol.
CLASSED SHIPS				
SHIP_Name	Y	Text	40	
SHIP_Build_Date	Y	Date	yyyy-mm-dd	
SHIP_Keel_Laid_Date	Y	Date	yyyy-mm-dd	
SHIP_Class_Entry_Date	Y	Date	yyyy-mm-dd	Date of entry into class of the RO.
SHIP_IMO_Number	N	Text	7	IMO Number may not be available.

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SHIP_Flag	Y	Text	3	Country Name in accordance with ISO 3166-1 alpha-3.
SHIP_Classified_By	Y	Text	20	ABS=American Bureau of Shipping BV=Bureau Veritas CCS=China Classification Society CRS=Croatian Register of Shipping VL=DNV GL IRS=Indian Register of Shipping KR=Korean Register of Shipping LR=Lloyd's Register of Shipping NK=Nippon Kaiji Kyokai PRS=Polish Register of Shipping RINA=RINA Services S.p.A. RS=Russian Maritime Register of Shipping Non-IACS members may use other codes and abbreviations.
SHIP_Class_Number	N	Text	8	
SHIP_Port_Of_Registry	N	Text	50	Port Name in accordance with UNECE code: http://www.unece.org/cefact/locode/service/location.html
SHIP_Date_Of_Registry	N	Date	yyyy-mm-dd	Date of registration at Flag State.
SHIP_Registry Number	N	Number	20	Number of registration in the Port Registry.
SHIP_Call_Sign	N	Text	10	
SHIP_General_Type_description	Y	Text	50	OT—Oil Tanker CT—Chemical Tanker GT—Gas Tanker LC—Other Bulk Liquid Carrier BC—Bulk Carrier (all combinations OB, OBO, OO) GC—General Cargo Vessel (including Ro-Ro Cargo, Container, Reefer, HSC Cargo) PS—Passenger Vessel (including Passenger / General Cargo, Passenger / Ro-Ro, Passenger HSC) ZZ—Other Vessel Type
SHIP_Class_Status	Y	Text	1	Class_Status may be one of the following codes: V=Class valid S=Class suspended W=Class Withdrawn
SHIP_Ship_Status	Y	Text	1	Ship_Status may be one of the following codes: E=In service L=Laid Up P=Lost
SHIP_Class_Notation	Y	Text	500	Class Service Notation assigned by the RO (free text).
SHIP_Gross_Tons	Y	Number	9,2	Format: 9999999,99 GT as defined in the International Tonnage Convention of 1969 or tons for National Tonnage.

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SHIP_Deadweight	N	Number	7	In tones, as required for Gas, Oil and Chemical Tankers.
SHIP_Registered_Owner	Y	Text	250	Registered Owner name: official name of the ship owner according to the Certificate of Registry and published on the Register Book.
SHIP_ISM_Shipowner_IMO	N	Text	7	IMO Company Number of the company indicated on the ISM SMC certificate.
SHIP_ISM_Shipowner	N	Text	80	Name of the company indicated on the ISM SMC certificate.
SHIP_MLC_Shipowner_ID	N	Text	8	MLC_Shipowner_ID is the unique identifier assigned by the classification society to identify the Shipowner as defined in Article II of MLC, 2006.
SHIP_MLC_Shipowner	N	Text	80	MLC Owner name
MMS SHIPS				
SHIP_Name	Y	Text	40	
SHIP_IMO_Number	N	Text	7	IMO Number may not be available.
SHIP_Flag	Y	Text	3	Country Name in accordance with <u>ISO 3166-1 alpha-3</u> .
SHIP_Port_Of_Registry	Y	Text	50	Port Name in accordance with UNECE code: http://www.unece.org/cefact/locode/service/location.html
SHIP_Date_Of_Registry	N	Date	yyyy-mm-dd	Date of registration at Flag State.
SHIP_Registry_Number	N	Number	20	
SHIP_Call_Sign	N	Text	10	
SHIP_ISM_Type	N	Text	8	SHIP_ISM_Type may be one or two (separated by “ ”) of the following codes: BC=Bulk carrier CH=Cargo high speed craft CT=Chemical tanker GC=Gas carrier MO=Mobile offshore drilling unit OT=Oil tanker OC=Other cargo ship PH=Passenger high speed craft PS=Passenger ship PR=Passenger ferry (ro-ro)
SHIP_ISM_Shipowner_IMO	N	Text	7	IMO Company Number of the company indicated on the ISM SMC certificate.
SHIP_ISM_Shipowner	N	Text	80	Name of the company indicated on the ISM SMC certificate.
SHIP_MLC_Shipowner_ID	N	Text	8	MLC_Shipowner_ID is the unique identifier assigned by the classification society to identify the Shipowner as defined in Article II of MLC, 2006.
SHIP_MLC_Shipowner	N	Text	80	MLC Owner name

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SHIP_CERTIFICATE				
SHIP_CERTIFICATE_ Number	Y	Text	20	The number or other ID of the document issued.
SHIP_CERTIFICATE_ Status	Y	Text	4	It must be one of the following codes: V (Valid), S (Suspended), W (Withdrawn)
SHIP_CERTIFICATE_ Remark	Y	Text	2	00—means the Certificate is alone of this type; Ux—means that there are several certificates of the same type, one active and the others sealed up; “x” is an integer number between 1 and 9 that identify the sets of the certificates (U1... U9) All the certificates of the same set have the same code (e.g. U5 of LL must be also marked U5 for TONNAGE, IOPP, e.t.c.)
SHIP_CERTIFICATE_ Issued_By	Y	Text	20	The name of the organization which issued the certificate. If this is the IACS classification society, then the code defined in SHIP_Classed_by is used. If the certificate is not issued by the RO, the certificate data could be not available.
SHIP_CERTIFICATE_ Code	Y	Text	5	Certificate_code is used to identify the certificate type. The code used must be one of the following: AFS=International Anti-Fouling System Certificate BWM=International Ballast Water Management Certificate SC=Cargo Ship Safety Construction Certificate SE=Cargo Ship Safety Equipment Certificate SR=Cargo Ship Safety Radio Certificate BCH=Certificate of Fitness for Carriage of Dangerous Chemicals in Bulk (BCH Code) GC=Certificate of Fitness for Carriage of Liquefied Gases in Bulk (GC Code) CAS=Conditional Assessment Scheme CA=Crew Accommodation Certificate DSC=Dynamically Supported Craft Construction and Equipment Certificate DOC=Document of Compliance (ISM Code) HSCS=High-Speed Craft Safety Certificate IAPP=International Air Pollution Prevention Certificate IBC=International Certificate of Fitness for Dangerous Chemicals in Bulk (IBC Code) IGC=International Certificate of Fitness for Carriage of Liquefied Gases in Bulk (IGC Code) ILL=International Load Line Certificate

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				<p>IOPP=International Oil Pollution Prevention Certificate NLS=International Pollution Prevention Certificate for the Carriage of Noxious Liquid Substances in Bulk (NLS Certificate) ISPP=International Sewage Pollution Prevention Certificate ISS=International Ship Security Certificate IT=International Tonnage Certificate MODU=Mobile Offshore Drilling Unit Safety Certificate PSS=Passenger Ship Safety Certificate SMC=Safety Management Certificate (ISM Code) SPSS=Special Purpose Ship Safety Certificate ML=Maritime Labour Certificate DOCDG=Document of Compliance (Dangerous Goods) (SOLAS Reg II-2/19) INF=International Certificate of Fitness for the Carriage of INF Cargo (INF Code) CRGGR=ILO Cargo Gear Certificate CRGSS=Cargo Ship Safety Certificate EEFFC=Energy Efficiency Certificate CLASS=Classification Certificate NOCRT=Survey handled, but no certificate issued NAPP=National* Air Pollution Prevention Certificate NLL=National* Load Line Certificate NOPP=National* Oil Pollution Prevention Certificate NT=National* Tonnage Certificate OTHER=Other Certificate</p> <p>(*) Relating to National Rules of the Flag State</p>
SHIP_CERTIFICATE_Validity_Type	Y	Text	4	<p>Is used to identify the validity type of the certificate issued. It must be one of the following codes: F=Full Term issue I=Interim/Unconditional Issue S=Short term (a certificate valid for a maximum period of 5 months, issued in order to bridge the time until the Full Term Certificate is received on board) C=Conditional (certificate issued when deficiencies exists and it is valid for a period only long enough to permit the ship to proceed to the port where the deficiencies can be rectified)</p>
SHIP_CERTIFICATE_Category	Y	Text	4	<p>Is used to identify the type of the certificate issued. It must be one of the following codes:</p>

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				<p>S=Standard Standard Certificates are those issued on behalf of a "Signatory State" (a State which has accepted and ratified the relevant Convention) to a "Convention ship" (a ship to which regarding their size, type and/or trading area the provisions of the relevant Convention are applicable).</p> <p>D=Document of compliance Documents of Compliance are those issued on behalf and upon specific authorization of a "Non-Signatory State" (a State which has not yet accepted and ratified the relevant Convention).</p> <p>C=Statement of compliance (not on behalf of the flag) Statement of compliance are those issued by the RO not on behalf of any Flag Administration. They are issued upon request of the Owner in cases where an authorization to issue a Statutory Certificate does not exist.</p> <p>N=Non-convention Non-Convention Certificates are those issued on behalf and upon specific authorization of a "Signatory State" (a State which has accepted and ratified the relevant Convention) to a "Non-Convention ship" (a ship to which regarding their size, type and/or trading area the provisions of the relevant Convention are not applicable).</p> <p>F=Statement for Issue Statement for Issue are those issued by the RO, on the basis of which the certificate is issued by the competent Authority.</p> <p>V=Voluntary Document issued upon request of the Owner in cases different from ones listed above.</p>
SHIP_CERTIFICATE_ Description	N	Text	120	A field for the further description of the certificate code. This is required if the SHIP_CERTIFICATE_Code = "OTHER".
SHIP_CERTIFICATE_ Issue Date	Y	Date	yyyy- mm-dd	

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SHIP_CERTIFICATE_ Expiry_Date	N	Date	yyyy-mm-dd	
SHIP_CERTIFICATE_ Declaration_Date	N	Date	yyyy-mm-dd	MLC Declaration Date (MLC Declaration date and place may be different with the certificate date and place).
SHIP_CERTIFICATE_ Declaration_Place	N	Text	50	UNECE code: http://www.unece.org/cefact/locode/service/location.html
SURVEYS /AUDITS				
SHIP_SURVEY_Code	Y	Text	5	See the SHIP_CERTIFICATE_Code. For the class surveys this shall be "CLASS".
SHIP_SURVEY_Type	Y	Text	5	For statutory surveys SHIP_SURVEY_Type must be one of the following: A=Annual survey, annual survey or periodical inspection; AD=Additional/Occasional survey; B=Inspection of the outside of the ship's bottom (dry); W=Inspection of the outside of the ship's bottom (iws) T=Tailshaft (They could be more than one: T1, T2, etc) Bo=Boiler (They could be more than one: Bo1, Bo2, etc) I=Initial survey; IN=Intermediate survey; P=Periodical survey; R=Renewal survey; Int=Interim /pre-audit /pre-verification (for ISM, ISPS, MLC certificates); For classification surveys SHIP_SURVEY_Type will be in accordance with the rules, regulations and practice of the particular classification society which has classed the ship.
SHIP_SURVEY_Description	Y	Text	120	The class society specific description.
LAST				
SHIP_SURVEY_Held_Date	Y	Date	yyyy-mm-dd	
SHIP_SURVEY_Place_Held	Y	Text	50	UNECE code: http://www.unece.org/cefact/locode/service/location.html
NEXT				
SHIP_SURVEY_Due_Date	N	Date	yyyy-mm-dd	
SHIP_SURVEY_Postponement_Date	N	Date	yyyy-mm-dd	
SHIP_SURVEY_Statu s	Y	Text	1	To be filled in only for survey not yet carried out or completed. It would be one of the following: D=the current date is within the survey range dates.

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				<p>O=the current date is after the survey range to date. P=the survey has been started but is not yet complete. B=before the survey range dates. The contents of this field may be calculated at run-time.</p>
SHIP_SURVEY_Range_From_Date	N	Date	yyyy-mm-dd	
SHIP_SURVEY_Range_To_Date	N	Date	yyyy-mm-dd	
COMMENTS				
SHIP_COMMENT_Type	Y	Text	4	It would be normally one of the following: M="Memorandum" R="Recommendation"
SHIP_COMMENT_Certificates	N	Text	500	List of certificates, separated by comma, linked to the Comment Mandatory only for "Recommendation".
SHIP_COMMENT_Date_Issued	Y	Date	yyyy-mm-dd	
SHIP_COMMENT_Location_Issued	N	Text	50	Location where the survey was undertaken which resulted in the imposition of the comment. UNECE code: http://www.unece.org/cefact/locode/service/location.html
SHIP_COMMENT_Due_Date	N	Date	yyyy-mm-dd	Not Applicable in case of "Memorandum". Normally used for specifying a due date, but may be linked to another survey (see the field below). When both are present it means the first between (SHIP_COMMENT_Due_Date and SHIP_COMMENT_ExpirySurvey).
SHIP_COMMENT_ExpirySurvey	N	Text	500	Not Applicable in case of "Memorandum". SHIP_CERTIFICATE_Code and SHIP_SURVEY_Type.
SHIP_COMMENT_Status	N	Text	4	Not Applicable in case of "Memorandum". Normally: A="Active" – the comment is still applicable. P="Postponed" – the comment is still applicable and the due date/expiry survey have been changed. O="Overdue" – the comment is still applicable and is also overdue for implementation.
SHIP_COMMENT_Postponed_Due_Date	N	Date	yyyy-mm-dd	Not Applicable in case of "Memorandum". Due date after the last postponement.
SHIP_COMMENT_Postponed_ExpirySurvey	N	Text	500	Not Applicable in case of "Memorandum". Expiry survey after the last postponement.
SHIP_COMMENT_ISM_CODE	N	Text	5	Applicable only in case of ISM /ISPS /MLC Comments. Chapter/ Paragraph number of the Regulation for ISM /ISPS /MLC.

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SHIP_COMMENT_Text	Y	Text	10000	
ISM_COMPANIES				
COMPANY_Management_ID	Y	Text	20	Ship Management Company ID is the unique identifier assigned by the classification society to identify the ship management company.
COMPANY_IMO_Number	N	Text	7	
COMPANY_Name	Y	Text	20	
COMPANY_Address	Y	Text	500	
COMPANY_MLC_Responsibility	N	Text	1	Company takes responsibility on MLC2006 Y/N.
COMPANY CERTIFICATES				
COMPANY_CERTIFICATE_ID	Y	Text	20	
COMPANY_CERTIFICATE_Status	Y	Text	1	It must be one of the following codes: V (Valid), S (Suspended), W (Withdrawn)
COMPANY_CERTIFICATE_Flag	N	Text	3	A company may be issued with a DOC to manage ships of a certain type by one or more flag administrations. Flag code utilized shall be in accordance with ISO3166 with additional qualification where required to identify a particular flag state.
COMPANY_CERTIFICATE_Issued_By	Y	Text	20	Name of the organization which issued the certificate. If this is the IACS classification society, then the code defined in SHIP_Classed_by is used.
COMPANY_CERTIFICATE_Name	Y	Text	50	Certificate name must be: DOC=Document of compliance EEMC=Company energy efficiency management certificate SRPS=Document of compliance for seafarer recruitment and placement service <i>Other certificate types may be defined in the future.</i>
COMPANY_CERTIFICATE_Type	Y	Text	1	DOC_type must be one of the following: V=Voluntary C=Convention
COMPANY_CERTIFICATE_Validity_Type	Y	Text	1	DOC_status must be one of the following: F=Full I=Interim S=Short term
COMPANY_CERTIFICATE_Issue_Date	Y	Date	yyyy-mm-dd	
COMPANY_CERTIFICATE_Expiry_Date	Y	Date	yyyy-mm-dd	
COMPANY_CERTIFICATE_Ship_Types	N	Text	30	This is a list of ship types, separated by commas. The possible values are:

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				BC=Bulk carrier CH=Cargo high speed craft CT=Chemical tanker GC=Gas carrier MO=Mobile offshore drilling unit OT=Oil tanker OC=Other cargo ship PH=Passenger high speed craft PS=Passenger ship PR=Passenger ferry (ro-ro)
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~~2.2.3~~ The “SHIPS” fields contain the information that is needed to describe a ship.

~~2.2.4~~ The “SHIP_Flag” fields contain the information in accordance with ISO 3166-1 alpha-3. However, if any Flag State have several flags the specific abbreviations are to be mentioned in the present Recommendation accompanied with the relevant comments.

~~2.2.5~~ The “SHIP_CERTIFICATES” Column “Mandatory” in Table 1 will identify the data to be included for the RO issuing the file; column “Mandatory” is filled in Table 1 with the following codes:

- Y = Mandatory data
- N = Non Mandatory data
- C = Mandatory for ships classed by the reporting RO

~~2.2.2~~ The GENERAL_DATA fields contain information about the ~~classification organization making the data available, and the data protocol release being referred to.~~

~~2.2.3~~ The SHIPS_DATA fields contain information describe a ship.

~~2.2.4~~ The CERTIFICATES_DATA fields contain information about the certificates that have been issued for the ship or company by the Society and the statutory certificates that have been issued on behalf of the flag state; one recognised organization and not withdrawn or withdrawn in the last 2 months.

One ship may have many certificates.

One company may have many certificates.

~~2.2.6-5~~ The “SHIP_SURVEYS”SURVEY_AUDIT_DATA fields contain the information that ~~is needed to identify~~identifying surveys/ ~~and audits carried out on ships/ and companies; one,~~ One certificate may have many surveys/audits.

~~2.2.7-6~~ The “SHIP_COMMENTS”FINDING_COMMENT_DATA fields contain ~~pertinent information about~~describing the ship that ~~is of interest~~findings and comments given to a ~~Societies surveyor/ ship or flag administration; one~~company.

One ship may have many comments.

One company may have many comments.

~~2.2.8-7~~ The “MMS_COMPANY”_DATA fields contain ~~the information that is needed to describe~~describing a Ship Management Companymanagement company.

~~2.2.9-8~~ Important note: Data could contain a record for a company without containing a record for a ship, e.g. where ship is classed by a different society and also the ISM-SMG-VE certificate is issued by a different society.

~~2.2.10~~ The “COMPANY_CERTIFICATES” fields contain information about the certificates issued to the ship management company; ~~a company may have many certificates.~~

~~2.2.11~~ If the location (<http://www.unece.org/cefact/locode/service/location.html>) is not suitable for any reason this field may contain any appropriate free text.

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TABLE 1					
<u>Field</u>	<u>Mandatory</u>	<u>Type</u>	<u>Format / Max field size</u>	<u>Options</u>	<u>Description</u>
<u>GENERAL DATA</u>					
<u>RO</u>	<u>Y</u>	<u>Text</u>	<u>20</u>	<u>See Appendix 1 Table A1</u>	<u>Identification of the recognised organisation making the data available.</u>
<u>Date</u>	<u>Y</u>	<u>Date</u>	<u>yyyy-mm-dd</u>		<u>Export date</u>
<u>Release</u>	<u>Y</u>	<u>Number</u>	<u>i,j</u>		<u>i: Release number of Rec.75</u> <u>j: Release number of Appendix, starting at 1 for each i.</u>
<u>SHIP DATA</u>					
<u>SHIP Name</u>	<u>Y</u>	<u>Text</u>	<u>40</u>		
<u>SHIP Build Date</u>	<u>C</u>	<u>Date</u>	<u>yyyy-mm-dd</u>		
<u>SHIP Keel Laid Date</u>	<u>C</u>	<u>Date</u>	<u>yyyy-mm-dd</u>		
<u>SHIP Class Entry Date</u>	<u>C</u>	<u>Date</u>	<u>yyyy-mm-dd</u>		<u>Date of entry into class of the RO.</u>
<u>SHIP IMO Number</u>	<u>N</u>	<u>Text</u>	<u>7</u>		
<u>SHIP Administration Type</u>	<u>Y</u>	<u>Selection single</u>	<u>1</u>	<u>C</u>	<u>Civilian</u>
				<u>N</u>	<u>Naval</u>
				<u>O</u>	<u>Other</u>
				<u>X</u>	<u>None</u>
				<u>U</u>	<u>Unknown</u>
<u>SHIP Administration Country</u>	<u>N</u>	<u>Selection single</u>	<u>3</u>	<u>ISO 3166-1 alpha-3</u>	
<u>SHIP Classed By</u>	<u>C</u>	<u>Text</u>	<u>20</u>	<u>See Appendix Table A1</u>	<u>Identification of the classification society currently having the ship in class.</u>
<u>SHIP Class Number</u>	<u>C</u>	<u>Text</u>	<u>8</u>	-	<u>The classification society's identification of the ship.</u>

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<u>Field</u>	<u>Mandatory</u>	<u>Type</u>	<u>Format / Max field size</u>	<u>Options</u>	<u>Description</u>
<u>SHIP Port Of Registry</u>	<u>N</u>	<u>Text</u>	<u>50</u>	<u>UNECE</u>	
<u>SHIP Date Of Registry</u>	<u>N</u>	<u>Date</u>	<u>yyyy-mm-dd</u>		<u>Date of registration at the Administration.</u>
<u>SHIP Registry Number</u>	<u>N</u>	<u>Number</u>	<u>20</u>		<u>Number of registration in the Port Registry.</u>
<u>SHIP Call Sign</u>	<u>N</u>	<u>Text</u>	<u>10</u>		
<u>SHIP Type IACS</u>	<u>Y</u>	<u>Selection single</u>	<u>2</u>	<u>See Appendix Table A2</u>	
<u>SHIP Type Other</u>	<u>N</u>	<u>Text</u>	<u>50</u>	<u>-</u>	<u>Description of SHIP_Type_IACS = ZZ</u>
<u>SHIP Class Status</u>	<u>C</u>	<u>Selection single</u>	<u>1</u>	<u>V</u>	<u>Class valid</u>
				<u>S</u>	<u>Class suspended</u>
				<u>W</u>	<u>Class withdrawn</u>
<u>SHIP Ship Status</u>	<u>C</u>	<u>Selection single</u>	<u>1</u>	<u>E</u>	<u>In service</u>
				<u>L</u>	<u>Laid up</u>
				<u>P</u>	<u>Lost from RO's class</u>
<u>SHIP Class Notation</u>	<u>C</u>	<u>Text</u>	<u>500</u>		<u>Class notation assigned by the RO.</u>
<u>SHIP Gross Tons</u>	<u>C</u>	<u>Number</u>	<u>9,2</u>		<u>Format: 9999999,99 GT as defined in the International Convention on Tonnage Measurements of Ships of 1969 or tons for National Tonnage.</u>
<u>SHIP Deadweight</u>	<u>N</u>	<u>Number</u>	<u>7</u>		<u>In tonnes, as required for gas, oil and chemical tankers.</u>
<u>SHIP Registered Owner</u>	<u>C</u>	<u>Text</u>	<u>250</u>		<u>Official name of the ship owner according to the Certificate of Registry and published on the Register Book.</u>

**No.
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(cont)

<u>Field</u>	<u>Mandatory</u>	<u>Type</u>	<u>Format / Max field size</u>	<u>Options</u>	<u>Description</u>
<u>SHIP Type MMS</u>	<u>N</u>	<u>Selection multiple</u>	<u>8</u>	<u>See Appendix Table A3</u>	
<u>SHIP ISM Shipowner IMO</u>	<u>N</u>	<u>Text</u>	<u>7</u>		<u>IMO company number as stated in the ship's ISM certificate.</u>
<u>SHIP ISM Shipowner</u>	<u>N</u>	<u>Text</u>	<u>80</u>		<u>Name of the company as stated in the ship's ISM certificate.</u>
<u>SHIP MLC Shipowner ID</u>	<u>N</u>	<u>Text</u>	<u>8</u>		<u>The unique identifier assigned by the classification society to identify the shipowner as defined in MLC 2006 Article II.</u>
<u>SHIP MLC Shipowner</u>	<u>N</u>	<u>Text</u>	<u>80</u>		<u>MLC owner name</u>
<u>CERTIFICATE DATA</u>					
<u>CERTIFICATE ID</u>	<u>Y</u>	<u>Text</u>	<u>20</u>		<u>The identification of the certificate defined by the issuing organization.</u>
<u>CERTIFICATE Status</u>	<u>Y</u>	<u>Selection single</u>	<u>1</u>	<u>V</u>	<u>Valid</u>
				<u>S</u>	<u>Suspended</u>
				<u>W</u>	<u>Withdrawn</u>

**No.
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(cont)

<u>Field</u>	<u>Mandatory</u>	<u>Type</u>	<u>Format / Max field size</u>	<u>Options</u>	<u>Description</u>
<u>CERTIFICATE_Remark</u>	<u>Y</u>	<u>Text</u>	<u>2</u>		<u>00 - means the certificate is alone of this type.</u> <u>Ux - means that there are several certificates</u> <u>of the same type, one active and the others</u> <u>sealed-up; "x" is an integer number between 1</u> <u>and 9 that identify the sets of the certificates</u> <u>(U1... U9).</u> <u>All certificates of the same set shall have the</u> <u>same code (e.g. U5 of LL must be also marked</u> <u>U5 for TM, OPP, etc.)</u>
<u>CERTIFICATE_Issued_By</u>	<u>Y</u>	<u>Text</u>	<u>20</u>	<u>See Appendix Table A1</u>	<u>Identification of the organization which issued</u> <u>the certificate.</u>
<u>CERTIFICATE_Code</u>	<u>Y</u>	<u>Selection</u> <u>single</u>	<u>10</u>	<u>See Appendix Table A4</u>	
<u>CERTIFICATE_Validity_Type</u>	<u>Y</u>	<u>Selection</u> <u>single</u>	<u>1</u>	<u>F</u>	<u>Full term issue</u>
				<u>I</u>	<u>Interim/unconditional issue</u>
				<u>S</u>	<u>Short term (a certificate valid for a maximum</u> <u>period of 5 months, issued in order to bridge</u> <u>the time until the full term certificate is received</u> <u>on board).</u>
				<u>C</u>	<u>Conditional (certificate issued when</u> <u>deficiencies exist and it is valid for a period</u> <u>only long enough to permit the ship to proceed</u> <u>to the port where the deficiencies can be</u> <u>rectified)</u>

**No.
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(cont)

<u>Field</u>	<u>Mandatory</u>	<u>Type</u>	<u>Format / Max field size</u>	<u>Options</u>	<u>Description</u>
<u>CERTIFICATE_Category</u>	<u>Y</u>	<u>Selection single</u>	<u>3</u>	<u>IC</u>	<u>Use when:</u> <u>a. the regulation is an international convention or mandatory referenced code, and</u> <u>b. the regulation has entered into force, and</u> <u>c. the regulation is ratified by the Administration, and</u> <u>d. the regulation applies to the vessel/company, and</u> <u>e. the Administration has authorised the issuing organization to issue the certificate.</u>
				<u>C</u>	<u>Use when:</u> <u>a. the Administration has authorized the issuing organization to issue the certificate, and</u> <u>b. not all conditions a - d for IC are met.</u>
				<u>SoC</u>	<u>Use when:</u> <u>a. the flag state has not authorised the issuing organisation to issue the certificate</u>
<u>Correspondance between Certificate Categories used in Rev 2 with Certificate Categories used in Rev 3 is :</u> <u>S (Rev 2) => IC (Rev 3)</u> <u>D, N (Rev 2) => C (Rev 3)</u> <u>C, F, V (Rev 2) => SoC (Rev 3)</u>					
<u>CERTIFICATE_Description</u>	<u>N</u>	<u>Text</u>	<u>120</u>		<u>Further description of the certificate, required if the CERTIFICATE_Code = OTHER.</u> <u>Note : a selection of certificates shall be reported by the RO, based on the scope of work of the RO and the agreement between the RO and the Flag State</u>
<u>CERTIFICATE_Issue_Date</u>	<u>Y</u>	<u>Date</u>	<u>yyyy-mm-dd</u>		
<u>CERTIFICATE_Expiry_Date</u>	<u>N</u>	<u>Date</u>	<u>yyyy-mm-dd</u>		

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(cont)

<u>Field</u>	<u>Mandatory</u>	<u>Type</u>	<u>Format / Max field size</u>	<u>Options</u>	<u>Description</u>
<u>MLC Declaration Date</u>	<u>N</u>	<u>Date</u>	<u>yyyy-mm-dd</u>		
<u>MLC Declaration Place</u>	<u>N</u>	<u>Text</u>	<u>50</u>	<u>UNECE</u>	
<u>COMPANY CERTIFICATE Administration</u>	<u>N</u>	<u>Selection single</u>	<u>3</u>	<u>ISO 3166-1 alpha-3</u>	<u>A company may be authorized to manage ships of a certain type by one or more flag administrations.</u>
<u>COMPANY CERTIFICATE Ship Types</u>	<u>N</u>	<u>Selection multiple</u>	<u>30</u>	<u>See Appendix Table A3</u>	<u>COMPANY CERTIFICATE Ship Types must be separated by comma</u>
<u>SURVEY AUDIT DATA</u>					
<u>SURVEY AUDIT Code</u>	<u>Y</u>	<u>Text</u>	<u>10</u>	<u>See Appendix Tables A4 and A6</u>	<u>For statutory surveys/audits, use the CERTIFICATE Code in as per Appendix Table A4 For class surveys use the survey code as per Appendix Table A6 For bottom surveys, use BOT. For other class surveys, use the coding of the ship's classification society.</u>
<u>SURVEY AUDIT Type</u>	<u>N</u>	<u>Selection single</u>	<u>2</u>	<u>See Appendix 1 Table A5</u>	
<u>SURVEY AUDIT Description</u>	<u>Y</u>	<u>Text</u>	<u>120</u>		<u>The class society specific description.</u>
<u>LAST</u>					
<u>SURVEY AUDIT Held Date</u>	<u>Y</u>	<u>Date</u>	<u>yyyy- mm-dd</u>		
<u>SURVEY AUDIT Place Held</u>	<u>Y</u>	<u>Text</u>	<u>50</u>	<u>UNECE</u>	
<u>NEXT</u>					
<u>SURVEY AUDIT Due Date</u>	<u>N</u>	<u>Date</u>	<u>yyyy-mm-dd</u>		
<u>SURVEY AUDIT Postponement Date</u>	<u>N</u>	<u>Date</u>	<u>yyyy-mm-dd</u>		

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(cont)

<u>Field</u>	<u>Mandatory</u>	<u>Type</u>	<u>Format / Max field size</u>	<u>Options</u>	<u>Description</u>
<u>SURVEY_AUDIT_Status</u>	Y	<u>Selection single</u>	1		<u>To be filled in only for surveys/audits not yet carried out or completed. The contents of this field may be calculated at run-time.</u>
				<u>D</u>	<u>The current date is within the survey/audit range dates.</u>
				<u>O</u>	<u>The current date is after the survey/audit range to date.</u>
				<u>P</u>	<u>The survey/audit has been started but is not yet complete.</u>
				<u>B</u>	<u>Before the survey/audit range dates.</u>
<u>SURVEY_AUDIT_Range_From_Date</u>	N	<u>Date</u>	<u>yyyy-mm-dd</u>		
<u>SURVEY_AUDIT_Range_To_Date</u>	N	<u>Date</u>	<u>yyyy-mm-dd</u>		
<u>FINDING COMMENT DATA</u>					
<u>COMMENT_Type</u> <u>in case a condition is linked to both class and statutory matters, the condition will need to be duplicated, 1 line with COMMENT_Type = "C" and 1 line with COMMENT_Type = "S"</u>	Y	<u>Selection single</u>	1	<u>M</u>	<u>Memorandum</u>
				<u>C</u>	<u>Condition of Class</u>
				<u>S</u>	<u>Statutory Condition</u>
				<u>N</u>	<u>Non-conformity</u>
				<u>D</u>	<u>Deficiency</u>
				<u>O</u>	<u>Observation</u>
<u>COMMENT_Certificates</u>	N	<u>Text</u>	<u>500</u>		<u>List of certificates, separated by comma, linked to the comment.</u>
<u>COMMENT_Date_Issued</u>	Y	<u>Date</u>	<u>yyyy- mm-dd</u>		

**No.
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(cont)

<u>Field</u>	<u>Mandatory</u>	<u>Type</u>	<u>Format / Max field size</u>	<u>Options</u>	<u>Description</u>
<u>COMMENT Place Issued</u>	<u>N</u>	<u>Text</u>	<u>50</u>	<u>UNECE</u>	<u>Location where the survey was undertaken which resulted in the imposition of the comment.</u>
<u>COMMENT Due Date</u>	<u>N</u>	<u>Date</u>	<u>yyyy-mm-dd</u>		<u>Normally used for specifying a due date, but may be linked to another survey/audit (see the field below). When both are present it means the first between (COMMENT Due Date and COMMENT ExpirySurvey).</u>
<u>COMMENT Expiry Survey Audit</u>	<u>N</u>	<u>Text</u>	<u>500</u>		
<u>COMMENT Status</u>	<u>N</u>	<u>Text</u>	<u>1</u>	<u>A</u>	<u>Active: the comment is still applicable.</u>
				<u>P</u>	<u>Postponed: the comment is still applicable and the due date/expiry survey have been changed.</u>
				<u>O</u>	<u>Overdue: the comment is still applicable and is also overdue for implementation.</u>

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(cont)

<u>Field</u>	<u>Mandatory</u>	<u>Type</u>	<u>Format / Max field size</u>	<u>Options</u>	<u>Description</u>
<u>COMMENT Postponed Due Date</u>	<u>N</u>	<u>Date</u>	<u>yyyy-mm- dd</u>		<u>Due date after the last postponement</u>
<u>COMMENT Postponed Expiry Survey Audit</u>	<u>N</u>	<u>Text</u>	<u>500</u>		<u>Expiry survey/audit after the last postponement</u>
<u>COMMENT MMS Reference</u>	<u>N</u>	<u>Text</u>	<u>20</u>		<u>Applicable only in case of MMS related comments. Chapter/paragraph number of the applicable MMS regulation, separated by commas</u>
<u>COMMENT Text</u>	<u>Y</u>	<u>Text</u>	<u>10000</u>		
<u>MMS COMPANY DATA</u>					
<u>COMPANY Management ID</u>	<u>Y</u>	<u>Text</u>	<u>20</u>		<u>The unique identifier assigned by the classification society to identify the ship management company.</u>
<u>COMPANY IMO Number</u>	<u>N</u>	<u>Text</u>	<u>7</u>		
<u>COMPANY Name</u>	<u>Y</u>	<u>Text</u>	<u>80</u>		
<u>COMPANY Address</u>	<u>Y</u>	<u>Text</u>	<u>500</u>		
<u>COMPANY MLC Responsibility</u>	<u>N</u>	<u>Text</u>	<u>1</u>	<u>Y</u>	<u>Company takes responsibility for MLC</u>
				<u>N</u>	<u>Company does not take responsibility for MLC</u>

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(cont)

2.3. Data collection and processing

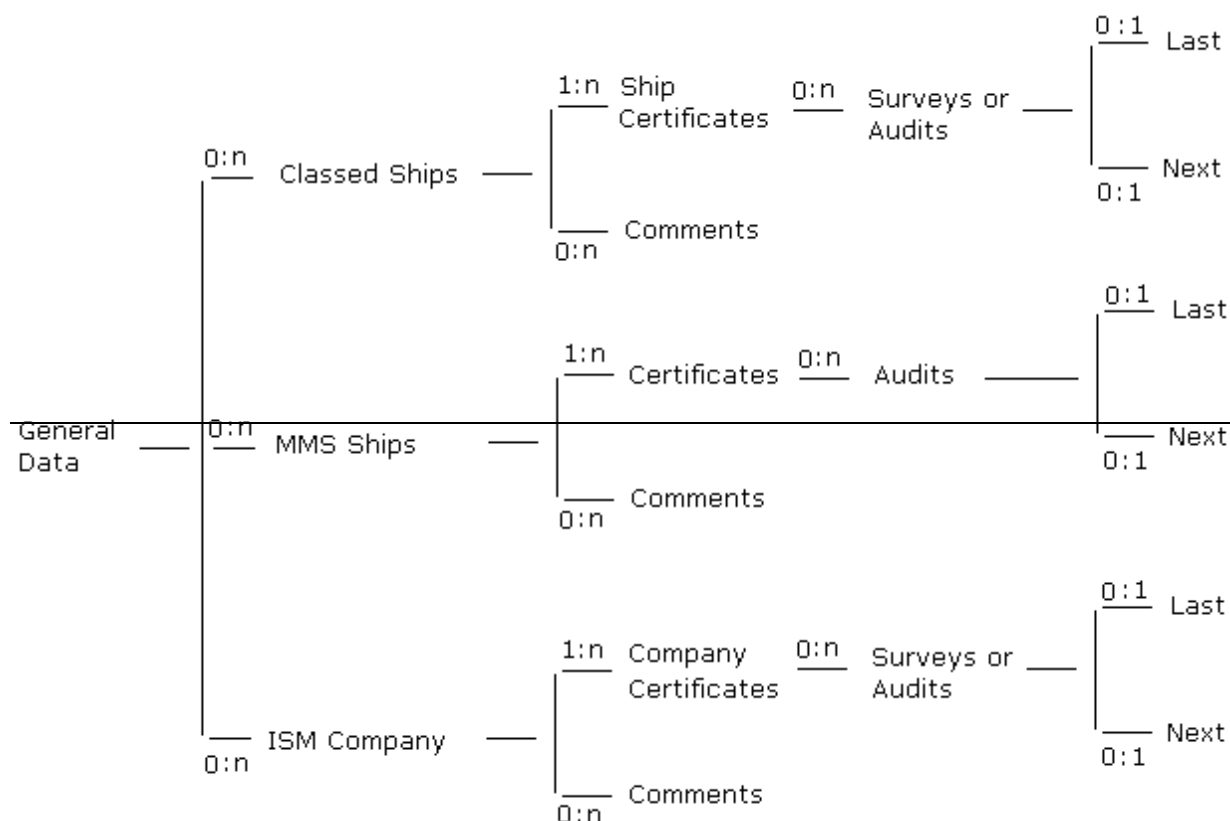
2.3.1 All data is to be placed in the XML file(s) for UDEF transmission.

2.3.2 At least two main types of data are to be formed depending on requests:

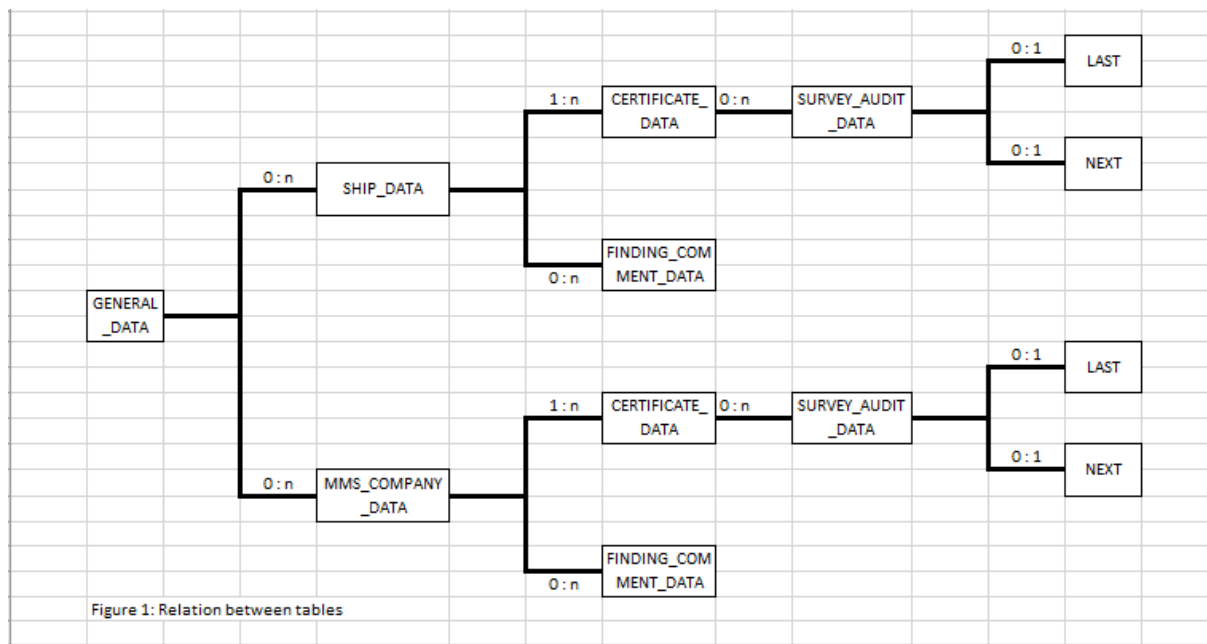
- Data table (Tier 1, this is to start testing of UDEF and to work out further development of the harmonized UDEF for the Tier 2);
- Data string (Tier 2).

2.3.3 Data table is primarily intended to facilitate data supply from each RO to Flag-flag state administration and provides general information about a number of vessels (all vessels) flying the Flag-flag and requests no aggregation of data between ROs-recognised organizations. It may start with at least only one RO-recognised organization and one Flag state involved.

2.3.4 ~~The following diagram Figure 1 shows the relations-interactions between the different tables and anticipates a view of the possible data organization in the XML File.~~



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2.3.5 The description of the tables is described in the Table 2.

2.3.5 The tables in Figure above are described in 2.2 and specified in detail Appendix.

Table 2.

Table name	Description
GENERAL_DATA	Root of the datafile containing general information about the RO in charge of the data.
CLASSED_SHIPS	General data of the Classed Ships.
MMS_SHIPS	General data of ships, not classed by the RO, for which the RO manages at least one certification between ISM SMC, ISPS and MLC.
ISM_COMPANIES	General data of companies for which the RO manages the ISM-DOC certification.
SHIP_CERTIFICATES	Data of the certificates/documents issued by the RO for a ship and not yet withdrawn or withdrawn in the last month.
COMPANY_CERTIFICATES	Data of the company's certificates issued by the RO for a company and not yet withdrawn or withdrawn in the last month.
SURVEYS / AUDITS	Type of surveys or type of audits for each certificate.
LAST	Data of the last survey carried out on ships for each type of survey in the current certification period, if it exists.
NEXT	Data of the next surveys due for each type of survey, if already scheduled.
COMMENTS	Data of "Condition of Class", "Statutory Recommendation" and "Memorandum".

2.3.6 Data string is intended to supply the end user with complete data about the ship(s). The data is collected from all available sources (e.g.: Class=RO1, Statutory=RO2, ISM=RO3, MLC=RO4, e.t.c.). This may be realized effectively when the UDEF starts at least among all (or majority) of IACS members.

2.4 Special restrictions and comments

2.4.1 Some data (like SHIP_Class_Notation, SHIP_Gross_Tons, SHIP_Deadweight) aggregated from different ROs may vary and should be provided by the RO were the ship is originally classed (NOT ISM, MLC e.t.c) to avoid complaints.

2.4.2 The same data shall not be repeated in the same XML file to avoid its increasing (e.g. data relevant to ISM-MMS Companies (certificates and audits) should be extracted in the XML file only once).

2.4.3 In case multiple values shall be reported for a data field, these values shall be separated by a comma.

2.5 References

2.5.1 Appendix 1 provides tables of references used in this document. The tables generally provide at least a code (abbreviation) and name for each item. Rules for setting the codes and names are provided below. These are based on the data model in Figure 2.

**No.
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(cont)

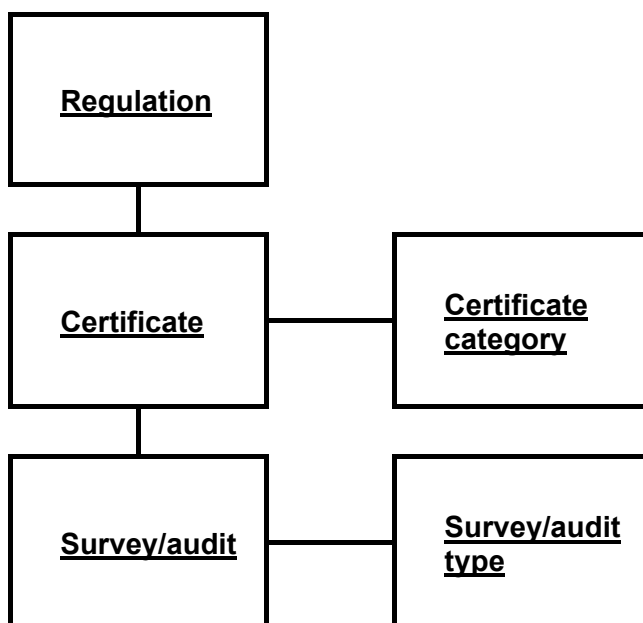


Figure 2: Data model

2.5.2 Classification societies

See Table A1. Name and code shall be as defined by each classification society.

2.5.3 IACS vessel types

See Table A2.

2.5.4 MMS vessel types

See Table A3.

2.5.5 Regulations and certificates

See Table A4 and A6.

Regulation name shall be as defined by the organization issuing the regulation.

Regulation code shall be as defined by the organization issuing the regulation, or as an appropriate abbreviation of the name.

National regulation codes shall be prefixed by the country code, e.g. MHL-MR: Marshall Islands Maritime Regulations.

Certificate names shall be

- as defined in the corresponding regulation when such name definition is given
- as defined using the 'core name' in Table A4 when a name definition is not given, where terms defining the certificate category is filled into appropriate <> spaces

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(cont)

- defined in a similar manner to the names in Table A4 for regulations that are not listed

Certificate codes shall be

- as the corresponding regulation code when only one type of certificate is issued based on the regulation
- an appropriate abbreviation of the subject the certificate covers when more than one type of certificate is issued based on the regulation

2.5.6 Surveys and audits types

See Table A5.

The table differentiates between scheduled and non-scheduled surveys.

2.5.7 Surveys and audits

Survey and audit names shall be based on the 'core name' of the corresponding certificate given by Table A4 and A6, appended by the survey/audit type name plus 'survey' or 'audit'.

Survey and audit codes shall be as the corresponding certificate code

3. ~~Format of Reports for Printed Exchange and Online Viewing~~

3.1 ~~Introduction~~

~~3.1.1 Three report layouts are typically to be used by class societies when reporting to flag states.~~

~~3.1.2 The following reports for web access have been defined:~~

- ~~• Periodical List of Certificates Issued (optionally for a particular period);~~
- ~~• Periodical Report of Ship Management Company Audits;~~
- ~~• Ship Survey Status Report.~~

~~3.1.3 Text printed italics show the field from which the data originates.~~

~~3.1.4 For the cases if reports are printed for/by the flag states A4 landscape format looks preferable. The layout of titles and data items should be preserved.~~

~~3.1.5 On requests by web services all data requested should be placed in the XML file in accordance with XML file manner by the server software of the IACS Member and returned to Flag State.~~

~~3.1.6 Flag states may use any compatible software for XML processing and making reports in accordance with their own requirements.~~

3.2 ~~Periodical List of Certificates Issued~~

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3.2.1 — The purpose of this report is to list the statutory certificates issued and surveys that have been carried out by a society on vessels that are sailing under a particular flag state.

3.2.2 — The report shall have the following layout:

Page Header:								
Periodical List of Certificates Issued						Period:		
Vessel Header:								
IMO No:			Class No:			Vessel Name:		
Data:								
Certificate					Survey			
Code	Type	Description	Expiry	ID	Type	Description	Date	Place
Code	Type	Description	Expiry	ID	Type	Description	Date	Place
...
Code	Type	Description	Expiry	ID	Type	Description	Date	Place
Page Footer:								
Page X of XX								
Report Footer:								
IACS Standardized Report of Ship Surveys								
Report Name; Report Date; Report version: XXXX								

3.2.3 — Users may obtain the information in this report in three ways:

- — download the data for all ships in a period;
- — view online to find the information relating to a particular vessel in a period;
- — view online for all ships in a period for printing.

3.2.4 — This report not include any data for CLASS surveys, i.e. *SHIP_CERTIFICATE_Code* <> "CLASS"

3.2.5 — The Page Header shall show the title of the report and the period that the data it presents relates to.

3.2.6 — For each vessel in the report the following information is provided.

IMO Number = *SHIP_IMO_Number*

Class Number = *SHIP_Class_Number*

Vessel Name = *SHIP_Name*

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3.2.7 — For browsing/printing each vessel should start on a new page.

3.2.8 — For each vessel shown the following data should be presented:

Code=*SHIP_CERTIFICATE_Code*

Type=*SHIP_CERTIFICATE_Type*

Description=*SHIP_CERTIFICATE_Description*

Expiry=*SHIP_CERTIFICATE_Expiry_Date*

ID=*SHIP_CERTIFICATE_ID*

3.2.9 — For each certificate the list of surveys carried out should be presented:

Type=*SHIP_SURVEY_Type*

Date=*SHIP_SURVEY_Held_Date*

Place=*SHIP_SURVEY_Place_Held*

3.2.10 — Each page should display the date the report is printed and the current number page of the report.

3.2.11 — The report shall have a footer which lists any abbreviations used in the report. These shall be in line with the codes described previously in this document.

3.2.12 — Additionally the report should state "IACS Standardized Report of Ship Surveys Report Name, Report Date, Report version..." at the end.

3.3 — Periodical Report of Ship Management Company Audits

3.3.1 — The purpose of this report is to list any audits of Ship Management Companies that have been carried out by the reporting classification society.

Page Header:							
Periodical Report of Ship Management Company Audits						Period:	
Company Header:							
Company Name:				Address:			
Data:							
Certificate						Audit	
Name	Type	Status	Issued	Expiry	Ship Types	Type	Date
Name	Type	Status	Issued	Expiry	Ship Types	Type	Date
...

**No.
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(cont)

Name	Type	Status	Issued	Expiry	Ship Types	Type	Date
Page Footer:							
Page X of XX							
Report Footer:							
IACS Standardized Report of Company Audit							
Report Name; Report Date; Report version: XXXX							

3.3.2 — Users may obtain the information in this report in three ways:

- ~~download the data for all companies in a period;~~
- ~~view online to find the information relating to a particular company in a period;~~
- ~~view online for all companies in a period for printing.~~

3.3.3 — ~~The Page Header shall show the title of the report and the period that the data it presents relates to.~~

3.3.4 — ~~For each company the following information shall be presented:~~

~~Company Name=COMPANY_Name~~

~~Address=COMPANY_Address~~

3.3.5 — ~~For printing each company should start on a new page.~~

3.3.6 — ~~For each company details of its current certificates should be displayed:~~

~~Name= COMPANY_CERTIFICATE_Name~~

~~Type=COMPANY_CERTIFICATE_DOC_Type~~

~~Status= COMPANY_CERTIFICATE_DOC_Status~~

~~Date=COMPANY_CERTIFICATE_Issue_Date~~

~~Expiry=COMPANY_CERTIFICATE_Expiry_Date~~

~~Ship Types=COMPANY_CERTIFICATE_Ship_Types_Approved~~

3.3.7 — ~~Each page should display the date the report is printed and the current number page of the report.~~

3.3.8 — ~~The report shall have a footer which lists any abbreviations used in the report. These shall be in line with the codes described previously in this document.~~

3.3.9 — ~~Additionally the report should state "IACS Standardized Report of Company Audit Report Name, Report Date, Report version..." at the end.~~

3.4 — Ship Survey Status Report

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(cont)

3.4.1 — The purpose of this report is to provide a flag state with a concise report of the current survey and certificate status of a vessel. It lists when all surveys are next due.

Page Header:								
Ship Survey Status Report								
Vessel Header:								
Vessel Name:		IMO No:		Flag:		Port of Registry:		
Classed by:		Class Notation:		Gross Tons:		Official Number:		
Class No:		Ship Type		Deadweight:		Call Sign:		
Data:								
Certificate								
Code	Type	Description	Expiry	ID				
Code	Type	Description	Expiry	ID				
...				
Code	Type	Description	Expiry	ID				
Survey								
Code	Type	Description	Date	Place	Due Date	Date1	Date2	Status
Code	Type	Description	Date	Place	Due Date	Date1	Date2	Status
...
Code	Type	Description	Date	Place	Due Date	Date1	Date2	Status
Comments								
Type	Date	Place	Due Date	Status	Text			
Type	Date	Place	Due Date	Status	Text			
...			
Type	Date	Place	Due Date	Status	Text			
Page Footer:								
Page X of XX								
Report Footer:								
IACS Standardized Report of Ship Survey Status								
Report Name; Report Date; Report version: XXXX								

3.4.2 — Users can obtain the information in this report in the following ways:

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(cont)

~~• View online to find the information relating to a particular vessel.~~

3.4.3 The Page Header shall show the title of the report.

3.4.4 For the vessel displayed the following information shall be presented:

Vessel Name=*SHIP_Name*

IMO No=*SHIP_IMO_Number*

Flag=*SHIP_Flag*

Port of Registry=*SHIP_Port_Of_Registry*

Classed by=*SHIP_Classed_By*

Class Notation=*SHIP_Class_Notation*

Gross Tons=*SHIP_Gross_Tons*

Official Number=*SHIP_Official_Number*

Class No=*SHIP_Class_Number*

Ship Type=*SHIP_General_Type_Description*

Deadweight=*SHIP_Deadweight*

Call Sign: *SHIP_Call_Sign*

Code=*SHIP_CERTIFICATE_Code*

Type=*SHIP_CERTIFICATE_Type*

Description=*SHIP_CERTIFICATE_Description*

Expiry=*SHIP_CERTIFICATE_Expiry_Date*

ID=*SHIP_CERTIFICATE_ID*

Code=*SHIP_SURVEY_Code*

Type=*SHIP_SURVEY_Type*

Description=*SHIP_SURVEY_Description*

Last Survey Date=*SHIP_SURVEY_Held_Date*

Place Held=*SHIP_SURVEY_Place_Held*

Due Date=*SHIP_SURVEY_Due_Date*

Date1=*SHIP_SURVEY_Range_From_Date*

Date2=*SHIP_SURVEY_Range_To_Date*

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(cont)

Status=*SHIP_SURVEY_Status*

Comment Type=*SHIP_COMMENT_Type*

Date Issued=*SHIP_COMMENT_Date_Issued*

Place Issued=*SHIP_COMMENT_Place_Issued*

Due Date=*SHIP_COMMENT_Comment_Due_Date*

Status=*SHIP_COMMENT_Status*

Text=*SHIP_COMMENT_Text*

3.4.5 — Each page should display the date the report is printed and the current number page of the report.

3.4.6 — The report shall have a footer which lists any abbreviations used in the report. These shall be in line with the codes described previously in this document.

3.4.7 — Additionally the report should state "IACS Standardized Report of Ship Survey Stats, Report Name, Report Date, Report version..." at the end.

4. Recommended protocols and other exchange issues

4.1 Introduction

4.1.1 — Finding the optimal protocol of exchange and related matters is a significant part of the data exchange process. Making proper grounds for UDEF the following recommended protocol and method looks favourable and recommended:

- Recommended protocol: Web Service/REST;
- Recommended method: PULL an XML file validated by common XSD.

3. Technical Solution

Recognised Organisations should define, implement and manage a technical solution (technical protocol for data exchange) in accordance with established information security standards for access control, personnel data protection, fraud prevention, resistance to cyberattacks and resilience to man-made and natural disaster.

4. Change management and governance

4.1 REC 75 potential changes

REC 75 may be subject to changes to reflect :

- Request for additional data from flag state(s)
- Request for changes in format from flag state administration(s) or IACS Members societies

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- Changes resulting from new or revised IACS Technical Resolutions or IMO Instruments, Resolutions and Circulars affecting the scope of REC 75 and impacting the content of data exchanged between recognized organizations and flag states
- Technology improvements enabling optimization of data format

4.2 REC 75 management of changes

REC 75 Editorial Board manages this change, under supervision of IACS GPG :

- REC 75 Editorial Board is chaired by IACS EG-Data Chairman and composed of voluntary members of EG-Data
- IACS EG-Data Chairman organizes REC 75 Editorial Board web conferences twice a year, or at ad-hoc request of REC 75 Editorial Board member
- REC 75 Editorial Board web conferences agenda shall be :
 - o To discuss feedbacks on the implementation of REC 75
 - o To review specific requests for changes and / or changes requested as resulting from new regulatory or technical inputs
 - o To establish dedicated work group when required for a specific topic
- Requests resulting in the change of main Chapters 1 to 4 of REC 75 and / or in the change of the format of the data exchanged (addition of data, change in data model), once approved by Editorial Board will be :
 - o Submitted by EG-Data Chair to all EG-Data members, for agreement
 - o If approved, submitted by EG-Data Chair to GPG for approval
 - o If approved by GPG, a revision of REC 75 shall be published with new version number (RevX+1)
- Requests not resulting in the change in the main Chapters 1 to 4 of REC 75 nor in any change in the format of the data exchange (this would be limited to changes in list of values displayed in Appendixes to REC 75), once approved by Editorial Board will be :
 - o Submitted by EG-Data Chair to all EG-Data members, for agreement
 - o If agreed by the EG-Data, submitted by EG-Data Chair to GPG for information and a new version of the Appendixes shall be published (RevX.Y+1)

APPENDIX

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<u>Table A1 - Classification societies</u>	
<u>Code</u>	<u>Name</u>
ABS	<u>American Bureau of Shipping</u>
BV	<u>Bureau Veritas</u>
CCS	<u>China Classification Society</u>
CRS	<u>Croatian Register of Shipping</u>
IRS	<u>Indian Register of Shipping</u>
KR	<u>Korean Register of Shipping</u>
LR	<u>Lloyd's Register of Shipping</u>
NK	<u>Nippon Kaiji Kyokai</u>
PRS	<u>Polish Register of Shipping</u>
RINA	<u>RINA Services S.p.A.</u>
RS	<u>Russian Maritime Register of Shipping</u>
VL	<u>DNV GL</u>
Non-IACS member ROs may use other codes.	

<u>Table A2 - IACS vessel types</u>	
<u>Code</u>	<u>Name</u>
<u>BC</u>	<u>Bulk carrier (all combinations OB, OBO, OO)</u>
<u>CT</u>	<u>Chemical tanker</u>
<u>GC</u>	<u>General cargo vessel (including ro-ro cargo, container, reefer, HSC cargo)</u>
<u>GT</u>	<u>Gas tanker</u>
<u>LC</u>	<u>Other bulk liquid carrier</u>
<u>OT</u>	<u>Oil tanker</u>
<u>PS</u>	<u>Passenger vessel (including Passenger/General cargo, Passenger/ro-ro, Passenger HSC)</u>
<u>ZZ</u>	<u>Other vessel type</u>

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Table A3 - MMS vessel types	
Code	Name
<u>BC</u>	<u>Bulk carrier</u>
<u>CH</u>	<u>Cargo high speed craft</u>
<u>CT</u>	<u>Chemical tanker</u>
<u>GC</u>	<u>Gas carrier</u>
<u>MO</u>	<u>Mobile offshore drilling unit</u>
<u>OC</u>	<u>Other cargo ship</u>
<u>OT</u>	<u>Oil tanker</u>
<u>PH</u>	<u>Passenger high speed craft</u>
<u>PS</u>	<u>Passenger ship</u>
<u>PR</u>	<u>Passenger ferry (ro-ro)</u>

Table A4 - Regulations and certificates					
Regulation (for reference)			Certificate		
Code	Name	Annex / Regulation	Code	Core name	Applicable for
<u>AFS</u>	<u>International Convention on the Control of Harmful Anti-Fouling Systems on Ships</u>		<u>AFS</u>	<u><> Anti-Fouling System <></u>	<u>Vessel</u>
<u>BWM</u>	<u>International Convention for the Control and Management of Ships' Ballast Water and Sediments</u>		<u>BWM</u>	<u><> Ballast Water Management <></u>	<u>Vessel</u>
<u>CL</u>	<u>Class Rules</u>		<u>CL</u>	<u>Classification <></u>	<u>Vessel</u>
<u>DSC</u>	<u>Code of Safety for Dynamically Supported Craft</u>		<u>DSC</u>	<u>Dynamically Supported Craft Construction and Equipment <></u>	<u>Vessel</u>
<u>EU-MRV*</u>	<u>Regulation (EU) 2015/757 of the European Parliament and of the Council of 29 April 2015 on the monitoring, reporting and verification of carbon dioxide emissions from maritime transport.</u>		<u>EU-MRV*</u>	<u>Monitoring, reporting, and verification of carbon dioxide emissions <></u>	<u>Vessel</u>
<u>HSC</u>	<u>International Code of Safety for High-Speed Craft</u>		<u>HSC</u>	<u><> High-Speed Craft Safety <></u>	<u>Vessel</u>
<u>IBC</u>	<u>International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk</u>		<u>IBC</u>	<u><> of Fitness for the Carriage of Dangerous Chemicals in Bulk</u>	<u>Vessel</u>
<u>IGC</u>	<u>International Code for the Construction and Equipment of Ships Carrying Liquefied Gases in Bulk</u>		<u>IGC</u>	<u><> of Fitness for the Carriage of Liquefied Gases in Bulk</u>	<u>Vessel</u>
<u>ILO92*</u>	<u>Accommodation of Crews Convention</u>		<u>ILO92*</u>	<u>ILO92 <> - Crew Accommodation</u>	<u>Vessel</u>
<u>ILO133*</u>	<u>Accommodation of Crews (Supplementary Provisions) Convention</u>		<u>ILO133*</u>	<u>ILO133 <> - Crew Accommodation</u>	<u>Vessel</u>
<u>ILO152</u>	<u>Convention concerning Occupational Safety and Health in Dock Work</u>		<u>ILO152</u>	<u>ILO152 <> - Cargo Gear</u>	<u>Vessel</u>

<u>Regulation</u>			<u>Certificate</u>		
<u>Code</u>	<u>Name</u>	<u>Annex / Regulation</u>	<u>Code</u>	<u>Core name</u>	<u>Applicable for</u>
<u>INF</u>	<u>International Code for the Safe Carriage of Packaged Irradiated Nuclear Fuel, Plutonium and High-Level Radioactive Wastes on Board Ships</u>		<u>INF</u>	<u><> of Fitness for the Carriage of INF Cargo</u>	<u>Vessel</u>
<u>ISM</u>	<u>International Safety Management Code</u>		<u>DOC</u>	<u><> Safety Management <>, Company</u>	<u>Company</u>
			<u>SMC</u>	<u><> Safety Management <>, Vessel</u>	<u>Vessel</u>
<u>ISPS</u>	<u>International Ship and Port Facility Security Code</u>		<u>ISPS</u>	<u><> Ship Security <></u>	<u>Vessel</u>
<u>ISO9001*</u>	<u>Quality management systems</u>		<u>ISO9001*</u>	<u>Quality management system <></u>	<u>Company</u>
<u>ISO14001*</u>	<u>Environmental management systems</u>		<u>ISO14001*</u>	<u>Environmental management system <></u>	<u>Company</u>
<u>ISO45001*</u>	<u>Occupational health and safety management systems</u>		<u>ISO45001*</u>	<u>Occupational health and safety management system <></u>	<u>Company</u>
<u>ISO50001*</u>	<u>Energy management systems</u>		<u>ISO50001*</u>	<u>Energy management system <></u>	<u>Company</u>
<u>LL</u>	<u>International Convention on Load Lines</u>		<u>LL</u>	<u><> Load Line <></u>	<u>Vessel</u>
<u>MARPOL</u>	<u>International Convention for the Prevention of Pollution from Ships</u>	<u>Annex I</u>	<u>OPP</u>	<u><> Oil Pollution Prevention <></u>	<u>Vessel</u>
		<u>Annex II</u>	<u>NLS</u>	<u><> Pollution Prevention <> for the Carriage of Noxious Liquid Substances in Bulk</u>	<u>Vessel</u>
		<u>Annex IV</u>	<u>SPP</u>	<u><> Sewage Pollution Prevention <></u>	<u>Vessel</u>
		<u>Annex V</u>	<u>GPP</u>	<u><> Garbage Pollution Prevention <></u>	<u>Vessel</u>
		<u>Annex VI</u>	<u>APP</u>	<u><> Air Pollution Prevention <></u>	<u>Vessel</u>
			<u>EE</u>	<u><> Energy Efficiency <></u>	<u>Vessel</u>
		<u>FDCS</u>	<u><> Fuel Oil Consumption Reporting <></u>	<u>Vessel</u>	
<u>MLC</u>	<u>Maritime Labour Convention</u>		<u>MLC</u>	<u>Maritime Labour <></u>	<u>Vessel</u>
<u>MODU</u>	<u>Code for the Construction and Equipment of Mobile Offshore Drilling Units</u>		<u>MODU</u>	<u>Mobile Offshore Drilling Unit Safety <></u>	<u>Vessel</u>
<u>POLAR</u>	<u>International Code for Ships Operating in Polar Waters</u>		<u>POLAR</u>	<u>Polar Ship <></u>	<u>Vessel</u>

<u>Regulation</u>			<u>Certificate</u>		
<u>Code</u>	<u>Name</u>	<u>Annex / Regulation</u>	<u>Code</u>	<u>Core name</u>	<u>Applicable for</u>
SOLAS	International Convention for the Safety of Life at Sea		CSS	Cargo Ship Safety <>	Vessel
		Reg. II-2/19	DG	<> for the Carriage of Dangerous Goods	Vessel
			SC	Cargo Ship Safety Construction <>	Vessel
			SE	Cargo Ship Safety Equipment <>	Vessel
			SR	Cargo Ship Safety Radio <>	Vessel
			PSS	Passenger Ship Safety <>	Vessel
SPS	Code of Safety for Special Purpose Ships		SPS	Special Purpose Ship Safety <>	Vessel
TM	International Convention on Tonnage Measurements of Ships		TM	<> Tonnage <>	Vessel
-	-		OTHER	<>	Vessel

“*” : inclusion of data related to EU-MRV regulation, ISO standards, ILO92 and ILO133 conventions is not mandatory ; each RO may define if this data is to be included or not (based on the scope of work of the RO and the agreement between the RO and the Flag State)

Table A5 - Survey and audit types

<u>Code</u>	<u>Name</u>	<u>Scheduling</u>
<u>A</u>	<u>Annual</u>	<u>Scheduled</u>
<u>E</u>	<u>Final</u>	<u>Un-scheduled</u>
<u>I</u>	<u>Initial</u>	<u>Un-scheduled</u>
<u>In</u>	<u>Intermediate</u>	<u>Scheduled</u>
<u>It</u>	<u>Interim</u>	<u>Un-scheduled</u>
<u>O</u>	<u>Occasional</u>	<u>Un-scheduled</u>
<u>R</u>	<u>Renewal</u>	<u>Scheduled</u>

Table A6 - Class Surveys

<u>Code</u>	<u>Description</u>
<u>B</u>	<u>Inspection of the outside of the ship's bottom (dry)</u>
<u>W</u>	<u>Inspection of the outside of the ship's bottom (iws)</u>
<u>Tx</u>	<u>Tailshaft (x to enable to code several tailshafts T1, T2, etc)</u>
<u>Box</u>	<u>Boiler (x to enable to code several boilers Bo1, Bo2, etc)</u>
<u>BOT</u>	<u>Bottom surveys</u>
<u>For other class surveys, use the coding of the ship's recognised organization</u>	

End of
Document