

New EMCIP

Requirement and Functional Specifications

Appendix D of EMSA/OP/15/2016, “Development of New European Marine Casualty Information Platform (NEW EMCIP)”

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List of Abbreviations

CMS	Content Management System
CARD	Centralised Access Rights Database
CSN	CleanSeaNet
CSS	Cascading Style Sheets
CSV	Comma Separated Values
DB	Database
DBMS	Database Management System
EMCIP	European Marine Casualty Information Platform
EMSA	European Maritime Safety Agency
EU	European Union
FAO	Food and Agriculture Organization of the United Nations
GIS	Geographic Information System
GISIS	Global Integrated Shipping Information System

HAZMAT	Hazardous Material
HTML	HyperText Markup Language
ICT	Information and Communication Technology
IMDatE	Integrated Maritime Data Environment
IMO	International Maritime Organization
LDAP	Lightweight Directory Access Protocol
MAIB	Marine Accident Investigation Branch
METOC	Meteorological and Oceanographic
MS	Member State
OAM	Oracle Access Manager
OID	Oracle Internet Directory
OIM	Oracle Identity Manager
OVD	Oracle virtual Directory
PDF	Portable Document Format
RAC	Real Application Cluster
SAR	Search and Rescue
SOA	Service Oriented Architecture
SOAP	Simple Object Access Protocol
SSN	SafeSeaNet
SSO	Single Sign On
STCW	International Convention on Standards of Training, Certification and Watchkeeping for Seafarers
VDS	Vessel Detection System
WCM	Web Content Management
WMS	Web Map Service
XML	eXtensible Markup Language
SQL	Structured Query Language

1. Introduction

The purpose of this document is to provide an overview of the New EMCIP user requirements that will be used for the design, development, configuration and implementation of the New EMCIP system.

The objectives of this document is to present the requirement and functional specifications for the marine casualty information database application taking into account the input of EMSA experts and capitalising on the existing EU expertise and common practises

1.1 Purpose

The purpose this document is to describe the New EMCIP features based in the existing EMCIP system, the interviews with the EMCIP EMSA Managers and the conclusions taking from the Focus Group Meeting held between EMSA and the Member States stakeholders.

1.2 Additional Information

Further details concerning the New EMCIP key business processes, functionalities and use cases will be provided to the bidder upon request as deemed conducive to the successful completion of the New EMCIP system.

2. Software Overview

2.1 Function and purpose

The New EMCIP will comprise two main packages (Core Application functionalities and Enhanced Application functionalities).

The future EMCIP Core Application functionalities will contain the basic functions that are necessary for the daily work of a casualty investigator. These will include:

- a) Authentication, authorization, user management and provisioning, considering EMSA corporate identity management implementation;
- b) Human/machine web interface;
- c) Community portal and content management;
- d) Data entry, to create, modify and delete occurrences in the future EMCIP database;
- e) Data query and extraction, to retrieve data from the future EMCIP database;
- f) Integration with business intelligence tools (e.g. JasperSoft);
- g) Data transfers (e.g. internal, external and to IMO);
- h) System workflow management;
- i) Data quality control and enforcement;
- j) Taxonomy management;
- k) Basic GIS interface;
- l) Ship reference repository.

The future EMCIP Enhanced modules will consist of additional modules deemed necessary for the improvement of the user experience and system performance. These will include:

- a) Enhanced GIS interface;
- b) Interfaces with other EMSA maritime applications;
- c) Interfaces with other maritime databases
- d) Integration with customized reports and reporting layouts;
- e) Enhanced human/machine web interface;
- f) Enhancement of other Core Application modules.

2.2 Relation to other systems

The New EMCIP system will provide information to other system as specifies in “IMA.001.M – SOA oriented in/out streams”.

The New EMCIP system will get information from other system as specifies in” IMA.002.N – SOA oriented streams from/to other EMSA App”.

The integration of the new EMCIP in the EMSA ICT Land Scape is defined in the following architecture diagram:

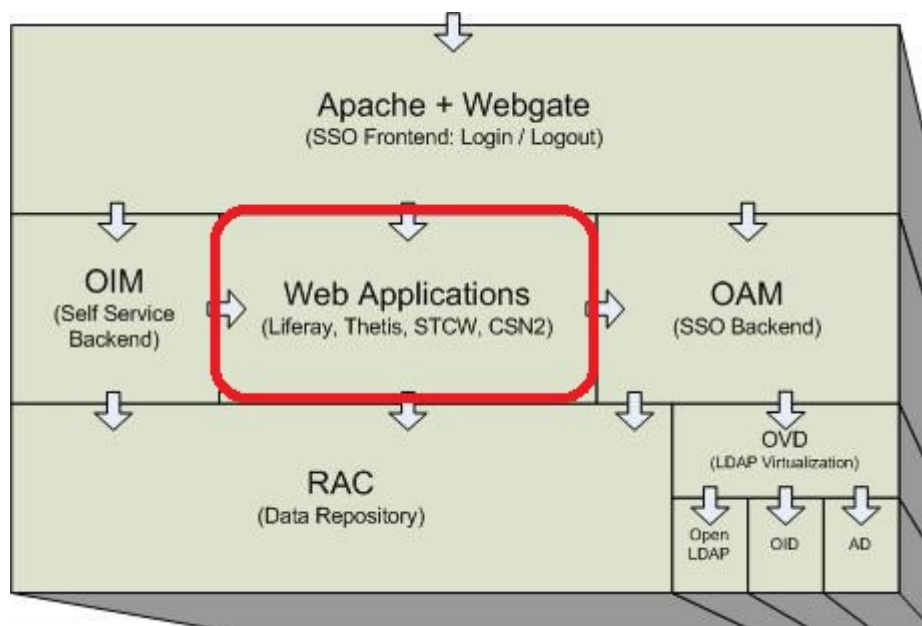


Figure 1 - New EMCIP integration in the EMSA ICT Landscape

3. Introduction: New EMCIP Requirements

3.1 General

The following provisions apply to the functional requirements (chapter 3.2) and to the operational requirements (chapter 3.4) below.

Each requirement is identified by 3 characters (specifying the type of requirement) followed by hierarchical number, made of 3 digits, following by a character (m → mandatory, n → nice to have). Example “**FUN.001.M**”

Each requirement contains traceability information about the applicable documentation and/or the applicable higher level requirement.

3.2 Functional requirements

3.2.1 Overview

This document describes the capabilities to be provided by the software item under definition. This document will provide where applicable the link between the requirements and the system states and modes.

Functional requirement will be grouped by subject, in accordance with the logical model organization (e.g.).

Each requirement definition should be organized according to the following:

- General
- Inputs
- Outputs
- Processing

3.2.2 Authentication, authorization and user management

EMSA's corporate identity management implementation shall be taken into account when considering the New EMCIP's authentication, authorization, user management and provisioning.

3.2.2.1 EAA.001.M - User Authentication Management

- General: New EMCIP uses the portal user management module. This functionality will allow the possibility to create new roles, organizations and users
- Inputs: The New EMCIP users, organizations and roles.
- Outputs: The user, organization or role registered in New EMCIP.
- Processing: The New EMCIP users will be authenticated using the SSO mechanism provided by the EMSA ICT Landscape.

3.2.2.2 EAA.002.M - User Authorization Management

- General: The authorization process must determine the information to be shown to any user that access the system. The authorization process must take into account the user role, country, organization and some values of the taxonomy (e.g. occurrence status) to determine the fields of the taxonomy to be displayed.

- Inputs: The information set of the New EMCP application. The user name, the user role, the user country and some fields of the taxonomy (e.g. occurrence status).
- Outputs: The information accessible to the user.
- Processing: When a user enters in the New EMCIP the accessible information will change depending on its grants. Authorization (grants to system functionalities) is not part of the EMSA Authentication and Identity Management. The possibility to use the Centralised Access Rights Database (CARD) developed by EMSA, and a bespoke authorization solution should be assessed.

3.2.3 Human/machine web interface

Human/machine web interface's cross-browser compatibility and compatibility with mobile technology should be ensured

3.2.3.1 GUI.001.M – Simple and Visual

- General: New EMCIP must be simple and visual.
- Inputs: CSS and HTML templates.
- Outputs: A simple and easy to use web user interface.
- Processing: The processing of the web user interface must be rendered by the browser of the client and served by the application server hosted in the EMSA ICT Landscape.

3.2.3.2 GUI.002.M - State of the art web application

- General: The New EMCIP application shall be a state of the art web application (following the current standards for web forms and web user interfaces).
- Inputs: Standards for web forms and web user interfaces.
- Outputs: A simple and easy to use web user interface.
- Processing: The processing of the web user interface must be rendered by the browser of the client and served by the application server hosted in the EMSA ICT Landscape.

3.2.4 Community portal and content management

New EMCIP platform shall incorporate a community portal and content management tool.

3.2.4.1 POR.001.M - User interface configurable

- General: The New EMCIP Portal user interface must be configurable by the administrator: page types, layouts, page and content permissions, Importing and exporting content, content creation and editing, content publishing, WCM Workflow
- Inputs: LifeRay Content Management features
- Outputs: Web pages of the New EMCIP Portal
- Processing: The processing of the New EMCIP portal web pages will be done by the LifeRay.

3.2.4.2 POR.002.M - Dashboard

- General: The New EMCIP Portal first page must be a dashboard with the most relevant information for each user.

- Inputs: The user access the system (could be guest user)
- Outputs: The main page of the new EMCIP portal
- Processing: Depending in the user grants, the information displayed in the main page will change.

3.2.4.3 POR.003.M - Discussion board

- General: The New EMCIP shall allow subscribing to some topics (like a newsletter) and to send notification to the user (e-mail, dashboard notifications, etc...)
- Inputs: The New EMCIP Portal Manager access to the discussion board creation in the LifeRay.
- Outputs: New discussion board created
- Processing: The processing of the New EMCIP portal web pages will be done by the LifeRay.

3.2.4.4 POR.004.M - Sharing Tool

- General: The New EMCIP must enable community sharing by providing documents and information to users.
- Inputs: Registered user accesses shared information.
- Outputs: Information and documents shared between users.
- Processing: The processing of the New EMCIP portal web pages will be done by the LifeRay.

3.2.4.5 POR.005.M - Logs

- General: The New EMCIP shall log operations made by users (e.g. documents downloaded, by whom (IPs or userID), user-log statistics (successful/failed logs, contextual users, active users, etc.).
- Inputs: The configuration of the logger in of the LifeRay.
- Outputs: The generated log files.
- Processing: The log files will be generated depending on the configuration defined by the EMCIP Administrator.

3.2.4.6 POR.008. M - Calendar

- General: The New EMCIP will allow creating events in the calendar and including documents to the event (use the tool of life ray). Documentation of the meetings, of organizations, notifications. Notification to other registered users / organizations are allowed (automatic e-mails or dashboard notifications)
- Inputs: The calendar tool management included in the LifeRay.
- Outputs: New Calendar Event created.
- Processing: EMSA New EMCIP Administrator will create and configure calendar events using the life ray Portlet.

3.2.4.7 POR.009.M - External applications

- General: The external link to applications (SSN, Thetis, EQUASIS) will be included the new portal.
- Inputs: Links to external applications depending on the role of the user
- Outputs: Access to the external application.
- Processing: A single-sign-on mechanism must be implemented to avoid re-authentication of the user when entering to another EMSA application.

3.2.4.8 POR.010.M - Document Management

- General: The New EMCIP must provide a mechanism for storing files online using the same type of structure that you use to store files locally. It will serve as a virtual shared drive. The stored documentation will also contain user's manuals and training materials.
- Inputs: Documents and media to be stored in the new EMCIP
- Outputs: Stores the documents in the New EMCIP virtual drive.
- Processing: Liferay's Documents and Media library module will be in charge of this functionality.

3.2.4.9 POR.011.M - News

- General: The New EMCIP will display announcement messages to the portal users. The announcements will be configured to be shown only to a specific community, organization, group or role.
- Inputs: News to be displayed in the portal, display date and expiration date.
- Outputs: Visualization of the news for the allowed community during the defined period.
- Processing: Liferay's Announcements Portlet will be in charge of this functionality.

3.2.4.10 POR.012.M - Notification Form

- General: The New EMCIP will allow public users to fill out a form for a notification in 2 ways (PDF form or HTML form, ex MAIB site <https://www.gov.uk/government/publications/report-a-marine-accident>). It will be like a proxy to report to EMCIP. The first step for the reporter should be to choose a country to associate the data owner of the occurrence. A simple registration/authentication (e.g. first and last name, country and e-mail address) will be required.
- Inputs: The data provided by the user in the form.
- Outputs: notification to the organization. The receiving user will decide if to store the file in EMCIP DB or to drop it. Storage should be possible without retyping the whole data into the system.
- Processing: Liferay's Notification Portlet will be in charge of this functionality.

3.2.5 Data entry

Data entry, to create, to modify and to delete occurrences in the New EMCIP database;

3.2.5.1 DAE.001.M - Group information in tabs

- General: The information to be registered in the system will be clustered following the structure of the investigation report as indicated in the Annex I of Directive 2009/18 in a Reporting form with tab perspective to simplify the reporting process
- Inputs: Taxonomy fields of the investigation / notification.
- Outputs: Information clustered in tabular form.
- Processing: The groups will be defined in the taxonomy management module.

3.2.5.2 DAE.002.M – Casualties outside the scope of the directive

- General: Possibility to notify something out of scope directive Ex. Fishing vessel (minor case).
- Inputs: Information for these cases will be defined in latter phases.
- Outputs: Information clustered in tabular form.
- Processing: The database should store the information reported for casualties outside the scope of the Directive.

3.2.5.3 DAE.003.M - Delete / amend the occurrence

- General: Any user with enough privileges will have the possibility to delete / amend the occurrence (e.g. adding recommendations after the occurrence was accepted).
- Inputs: The occurrence/s to delete amends.
- Outputs: Occurrence amended or deleted.
- Processing: The database should store the information reported by the user and the previous status of the occurrence.

3.2.5.4 DAE.004.M - Mandatory fields

- General: The New EMCIP will indicate in a visual way all mandatory fields.
- Inputs: The registration form of occurrences.
- Outputs: Occurrence register form with all mandatory fields highlighted.
- Processing: The mandatory fields will be defined in the taxonomy management module.

3.2.5.5 DAE.005.M - Visual tooltips

- General: The future EMCIP will contain visual tooltips for all fields.
- Inputs: The data entry form of occurrences.
- Outputs: Occurrence register form with the tooltips for all fields.
- Processing: The tooltips for all fields will be defined in the taxonomy management module.

3.2.5.6 DAE.006.M - Administrative module – Evidence Repository

- General: The existing administrative module must be included in the New EMCIP. The administrative module will contain private data for the organization in charge (data, etc., contacts, investigation team, evidences of the investigation).
- Inputs: The administrative module.

- Outputs: The administrative module integrated in the new EMCIP.
- Processing: The database will store the type of occurrence reported by the user. Tailored access rights will be applied to the Administrative Module, according to its authorization policy.

3.2.5.7 DAE.007.M - Nature occurrence

- General: The New EMCIP will allow user to change the nature of occurrence (occupational accident / ship Casualty) at any time.
- Inputs: The occurrence data-entry form.
- Outputs: Nature of the occurrence changes (this means that the data-entry form will change accordingly). Occurrence with ship and occurrence with people have different data-entry perspective.
- Processing: The database will switch to the new nature of occurrence, limiting as much as possible the data loss due to the change of occurrence nature.

3.2.5.8 DAE.008.M - Type of occurrence

- General: The New EMCIP shall allow the user to report data according to different operational approaches (only notification / only investigation / first notification + then investigation)..
- Inputs: The occurrence to be processed.
- Outputs: Analysis tool and/or tabular form depending on the user's choice.
- Processing: The database will store the data reported by the user.

3.2.5.9 DAE.009.M - Analysis tool

- General: The New EMCIP will contain a tool to help investigator with the analysis of the incident (time line to represent the events involved in the casualty) as indicated in the IMO resolution A.1075 (28). More than one ship could be assigned to the same casualty event (so more than one timeline could be represented). This tool will use the drag and drop paradigm to include information to the chart, a minimum set of information will be asked in the moment of dropping each element of the chart. When double click any element, a form will be displayed (reporting tab) with the fields to be filled
- Inputs: The analysis tool web page.
- Outputs: The analysis tool chart representing the investigation.
- Processing: The database will store information provided by the user when using the analysis tool.

3.2.5.10 DAE.010.M - Marine incident / casualty analysis

- General: The New EMCIP will represent Casualty Events, Accidental Events; Contributing Factors, ships, conclusions, extra datasheets in a graphical way.
- Inputs: The analysis tool web page.
- Outputs: The analysis chart representing the incident.
- Processing: The database will store information provided by the user when using the analysis tool.

3.2.5.11 DAE.011.M – Navigation panel

- General: The investigation tree of the current EMCIP must be replaced for a more visual navigation panel (The tree could have the same structure as Annex I of Directive, to be discussed). The investigation tree will use date time annotation instead of sequence number used in the current EMCIP.
- Inputs: The casualty data.
- Outputs: The navigation panel which allows navigating through the casualty data.
- Processing: The system will create automatically the navigation panel based on the information stored in the database.

3.2.5.12 DAE.012.N - Related occurrences

- General: The New EMCIP should allow the user to include information of related occurrences when the user is creating a new occurrence (Ex. Same weather condition, Same Ship, etc...).
- Inputs: The related occurrence data to be included.
- Outputs: Included the data into the occurrence.
- Processing: The database will store information provided by the related occurrence.

3.2.5.13 DAE.013.N – Interactive ship maquette

- General: The New EMCIP should provide the maquette of all most representative types of ships and these shapes must allow clicking in the areas to fill some field of the taxonomy (e.g. location of accident, location of damage, etc.).
- Inputs: The type of ship taxonomy field filled in.
- Outputs: Interactive ship maquette set.
- Processing: The database will store the data according to the ship information that the user will enter using the interactive maquette.

3.2.5.14 DAE.014.N - Data fields alias

- General: The New EMCIP should allow creating alias for some field (to facilitate the identification of the data).
- Inputs: The alias for the taxonomy field.
- Outputs: Associated alias to the taxonomy field.
- Processing: The alias for fields will be defined in the taxonomy management module by EMCIP Administrator.

3.2.5.15 DAE.015.M - Suggested elements

- General: The New EMCIP should suggest in a visual paradigm the elements to add in the analysis tool (Ex. Create a Casualty Event and suggest linking to an accidental event) like Visio or Bizagi do.
- Inputs: The element included in the investigation analysis chart.
- Outputs: List of suggested elements to be linked to the selected element.

- Processing: The list of suggested elements to be linked in the elements of the investigation analysis chart will be defined in latter phases of the present project.

3.2.5.16 DAE.016.M - Investigation chart overview

- General: The New EMCIP will contain an overview of the investigation chart.
- Inputs: The investigation data.
- Outputs: overview of the investigation chart.
- Processing: The system will create automatically the investigation chart based on the information stored in the database.

3.2.5.17 DAE.017.M – Assumed vs evidence-based events and factors

- General: New EMCIP will use a different visualization to discriminate between events and factors which are based on assumptions (e.g. dashed-line outline) from those based on factual evidence (e.g. continuous-line outline).
- Inputs: The event or contributing factor element.
- Outputs: Evidence or assumption set in the event or contributing factor visualization.
- Processing: The attribute discriminating the evidence-based / assumption-based events and contributing factor will be included in the new EMCIP taxonomy.

3.2.5.18 DAE.018.N – Recommendations selection aid

- General: The New EMCIP will highlight recommendations based on the critical links of the analysis chart (those links that, if removed, could avoid the incident to happen again).
- Inputs: Investigation to propose recommendations.
- Outputs: Recommendations based on the information stored in the database.
- Processing: The system will highlight the recommendations based on the links between the elements of the chart and similar occurrences stored in the data base.

3.2.5.19 DAE.019.M - Data Filling Scripts

- General: The new EMCIP will include scripts for data filling (Ex. No pollution, the pollution is filled with 0 tons.) Similar to the current one.
- Inputs: Fields to be filled with data.
- Outputs: Automatic filling of the field depending on the user input.
- Processing: The system will automatically fill some fields with the information defined by the EMCIP manager in the taxonomy module.

3.2.5.20 DAE.020.M - Data Validation

- General: Any element with wrong information will be displayed in a visual way (Ex. With an X in the top right corner of the element).
- Inputs: Fields with wrong information in the Reporting form or elements with wrong information in the investigation analysis chart.
- Outputs: Visual indicator of wrong information.

- Processing: The validity of the information will be defined in the quality control and enforcement module.

3.2.6 Data query

Data query and extraction, to retrieve data from the future EMCIP database;

3.2.6.1 DAQ.001.M - Data Base Access

- General: There will be a single repository with information of all organizations / countries. The access to the database information will be restricted at authorization phase.
- Inputs: User name + Organization + Role/Group.
- Outputs: List of access grant to the occurrences fields.
- Processing: The authorization module will be outside the Access and Identification Management of EMSA ICT Landscape. The possibility to use the EMSA Central Access Rights Database (CARD) and a bespoke authorization solution should be assessed.

3.2.6.2 DAQ.002.M - Occurrence information Access

- General: The New EMCIP will include the possibility of selecting the fields that the user will be able to fill / query / see. (At organization level and also role/group level).
- Inputs: Occurrence field + Organization / role/ group.
- Outputs: Read (query) / Write (filled) or Modify (query) grants.
- Processing: The authorization module will be outside the Access and Identification Management of EMSA ICT Landscape. The possibility to use the EMSA Central Access Rights Database (CARD) and a bespoke authorization solution should be assessed.

3.2.6.3 DAQ.004.M - Query on the fly

- General: The New EMCIP will include functionality similar to the existing query by example but more powerful and simpler (like many web pages, first level of querying be most popular fields of taxonomy and then possibility to include filters over the results.).
- Inputs: The most significant fields to search the occurrences and additional user filters.
- Outputs: The list of occurrences that matches the search fields values and user filters.
- Processing: The system will take into account the user grants on data access before displaying the information to the user.

3.2.6.4 DAQ.005.M - Query on the fly / Save

- General: The New EMCIP will allow the user to save the queries done using the “query on the fly” mechanism.
- Inputs: The most significant fields to search the occurrences, additional user filters and the name of the query.
- Outputs: The query saved in the system.
- Processing: The system will save the query into the system and the query will be assigned to a particular user.

3.2.6.5 DAQ.006.M - Query on the fly / Share

- General: The New EMCIP will allow the user to share its stored queries to other registered users.
- Inputs: The list of queries to be shared and the list of destination users.
- Outputs: The notification to the users of the new queries to be shared.
- Processing: The system will display the shared queries in a common list, with a name and a short description of the query. The final user will decide if to use or not a shared query in its environment. Shared queries should be grouped in folders or indexed for easier discoverability.

3.2.6.6 DAQ.007.M - Query Export

- General: All query results pages shall contain an export button through which the user will export the results in a tabular form (e.g. Excel).
- Inputs: The query to export the information and an export button through which the user will export the results in a tabular form
- Outputs: A CSV file with the information that match with the query parameters.
- Processing: The system will take into account the user grants on data access before exporting the information to the user.

3.2.6.7 DAQ.008.M - Query Export Template

- General: The New EMCIP shall incorporate an Export-Template functionality through which the user will select the columns to be exported and will be able to export the information in a CSV format.
- Inputs: The query to export the information and the list of columns with the aggregated function (not mandatory) or all query results
- Outputs: A CSV file with the columns defined by the user and the information that match with the query parameters.
- Processing: The system will take into account the user grants on data access before exporting the information to the user. The exporting template should be provided through integration with JasperSoft .

3.2.6.8 DAQ.009.M - Aggregated information and charts

- General: Main database web page and query result page will include aggregated data (in visual and charts form) and will show data trends. The aggregated values will allow to access reports and occurrences.
- Inputs: User request of main page or any query page.
- Outputs: Visual charts of aggregated data with trends.
- Processing: The system will take into account the user grants on data access before exporting the information to the user.

3.2.6.9 DAQ.010.M – Administrative module information

- General: The administrative module data should be protected (e.g. encrypted ...) and visible only by those that created the occurrence (organization level).
- Inputs: Administrative module information.
- Outputs: Protection to the administrative module information.
- Processing: The system will take into account the user grants on data access before exporting the information to the user.

3.2.7 System workflow management

System workflow management;

3.2.7.1 WFL.001.M – Add/ Edit/ Delete Actions

- General: The New EMCIP will implement an interface through which to change the workflow configuration without the need to hard code it in the system.
- Inputs: The new workflow actions.
- Outputs: The new workflow uploaded in the system.
- Processing: The EMCIP workflow changes the status of an occurrence depending on the user's actions (Submit, accept, etc....) and the type of occurrence (notification / investigation). The use of Kaleo Designer (LifeRay tool) should be assessed.

3.2.7.2 WFL.002.M – Change Assignments

- General: The New EMCIP shall include a flexible and simple tool to assign tasks to the users' roles.
- Inputs: The list of workflow tasks and the list and EMCIP roles.
- Outputs: The assignment of the tasks to the roles.
- Processing: The use of Kaleo Designer (LifeRay tool) should be assessed.

3.2.7.3 WFL.003.M – Add/ Edit / delete/ reopen occurrences

- General: The New EMCIP will provide the possibility for EMSA manager to configure who can add, edit, delete and reopen an occurrence in the database, so as changing the occurrence status, through the workflow. The customization of these workflow operations should not be hard-coded in the application.
- Inputs: The new configuration for add, edit, delete and reopen rules in the workflow;
- Outputs: The new configuration for add, edit, delete and reopen rules is configured in the workflow.
- Processing: The new system will define the field that triggers notifications in the workflow (current workflow uses Occurrence status, investigation status and organization). Kaelo Designer LifeRay tool could be used

3.2.7.4 Data Entry

The following chapters introduce the different operations that can be done over an occurrence by the users. The users will only perform operations over their own occurrences. Some delegation or sharing rules may apply though.

Each occurrence needs to be “owned” by a unique organization at any given time and need to have an ‘investigator in charge’ (so a user of this same organization) who is deemed responsible for the occurrence.

3.2.7.4.1 DAE.021.M – Occurrence / Submit to EMSA

- General: Casualty data is reported in the New EMCIP in the form of an “occurrence”. Occurrences can be submitted into the New EMCIP.
- Inputs: The occurrence is submitted to EMSA.
- Outputs: The occurrence status changes to proposed (investigations) or to submitted (notifications).
- Processing: The investigator submitting the occurrence will set the value of the “Investigation Status” to “Not investigated” (status will change then into “Submitted”) or will set into either “To be started”, “Ongoing” or “Finished” (status will change then into “Proposed”).

3.2.7.4.2 DAE.022.M – Investigation / Evaluated by EMSA

- General: Investigation with proposed status can be selected by EMSA data verifier to evaluate it. An occurrence selected for evaluation is “locked” by the EMSA data verifier in order to avoid any change from the end user during the evaluating process of the occurrence.
- Inputs: Any Investigation with proposed status.
- Outputs: The occurrence changes the status to “Evaluating”.
- Processing: The EMSA manager choose the Evaluate option and the investigation status change to “Evaluating”. The lock/unlock process is configured in the workflow.

3.2.7.4.3 DAE.023.M – Investigation / Rejected BY EMSA

- General: Investigation with evaluating status can be rejected and unlocked by EMSA data verifier to allow organizations to fix the errors found by EMSA data verifier.
- Inputs: Any Investigation with Evaluating status.
- Outputs: The occurrence changes the status to “ToBeReviewed”.
- Processing: The EMSA data verifier rejects the occurrence and the investigation status change to “ToBeReviewed”. The reject process is configured in the workflow.

3.2.7.4.4 DAE.024.M – Investigation / Accepted BY EMSA

- General: Investigation with evaluating status can be accepted by EMSA data verifier.
- Inputs: Any Investigation with Evaluating status.
- Outputs: The occurrence changes the status to Accepted.
- Processing: The EMSA manager choose the Evaluate option and the investigation status change to “Accepted”. The acceptance process is configured in the workflow.

3.2.7.4.5 DAE.025.M - Change Investigator in charge

- General: The New EMCIP will allow Member States manager to change the Investigator in charge of an occurrence.
- Inputs: The occurrence to be amended.
- Outputs: The investigator in charge of the occurrence is changed.
- Processing: The manager of the organization changes the occurrence's investigator in charge.

3.2.7.5 Data transfers

Data transfers (e.g. internal, external and to IMO);

3.2.7.5.1 DAT.001.M – Occurrence / External Transfer

- General: The New EMCIP will allow the transfer of the investigation to another organization (of another country than the one that generated it).
- Inputs: The occurrence to be transferred.
- Outputs: The transferred organization gets in charge of the occurrence.
- Processing: The manager of the transferred organization will process the transferred occurrence. Once an occurrence (ownership) is transferred to another organization the receiving entity will be notified (through an e-mail or via the dashboard) of the fact that an occurrence was transferred to them.

3.2.7.5.2 DAT.002.M – Occurrence / Internal transfer

- General: The New EMCIP will allow the transfer of the investigation to another organization (of the same country than the one that generated it).
- Inputs: The occurrence to be transferred.
- Outputs: The transferred organization gets in charge of the occurrence.
- Processing: The manager of the transferred organization will process the transferred occurrence. Once an occurrence (ownership) is transferred to another organization the receiving entity will be notified (through an e-mail or via the dashboard) of the fact that an occurrence was transferred to them.

3.2.7.5.3 DAT.003.M – Occurrence delegation

- General: Any occurrence can be delegated to any investigator (of any organization).
- Inputs: the occurrence to be delegated and the investigator to delegate the occurrence.
- Outputs: The delegated user can edit and save changes but it is still the 'investigator in charge' that remains in charge of the occurrence.
- Processing: The investigator to delegate the occurrence could be from a different organization than the one being delegated. Delegated users can edit and save changes to an existing occurrence. The delegated user cannot sub-delegate the occurrence to another user.

3.2.7.5.4 DAT.004.M – Occurrence Send to IMO

- General: Occurrences that satisfy the rules agreed with IMO can be transferred to IMO GISIS database.
- Inputs: The occurrence to be sent to IMO.
- Outputs: The occurrence is transferred to IMO.
- Processing: The New EMCIP will be connected to the IMO web services to transfer the information of the selected investigation occurrences.

3.2.8 Data quality control and enforcement

Data quality control and enforcement.

3.2.8.1 QUA.001.M – Check Rules

- General: The new EMCIP will provide the possibility to administer the occurrence quality checking rules. The quality checking rules must not be hardcoded in the program.
- Inputs: The new occurrence quality checks rules.
- Outputs: The new occurrence quality check rules applied in the system.
- Processing: The system will provide instant feedback to users when fields in a form were incorrectly filled in. The system will use strongly-typed fields and will show clear consistent messages to users when they enter the wrong type of data. The use of LifeRay “ALLOYUI” form validator should be assessed.

3.2.8.2 QUA.002.M – Quality control and enforcement

- General: Data quality control and enforcement: 3 levels of result of the rule: error (blocking submission); warning (not blocking); Information (Ok messages of the rule).
- Inputs: Any occurrence reported by an investigator.
- Outputs: The quality rules enforcement on the occurrence.
- Processing: The system will provide instant feedback to users when they fill out a form incorrectly and the system will use strongly-typed fields and will show clear consistent messages (error / warning or Information) to users when they enter the occurrence data. LifeRay “ALLOYUI” form validator in a portlet could be used.

3.2.8.3 QUA.003.M – Anti-spam tool

- General: The public reporting form must be secured by anti-spam tool (captcha, etc...).
- Inputs: The public reporting form to report a marine casualty occurrence.
- Outputs: Anti-spam tool to avoid robot using the system.
- Processing: The system will provide anti-spam tool to public users when they fill out the public occurrence form. The use of LifeRay “CaptchaUtil” class should be assessed.

3.2.9 Taxonomy management

Taxonomy management.

3.2.9.1 TAX.001.M – Taxonomy management

- General: The New EMCIP database taxonomy shall be configurable (create / update / delete) by the EMSA administrator (by modifying XML file or by other approach).
- Inputs: The EMCIP taxonomy configuration file.
- Outputs: Apply the taxonomy in the system.
- Processing: The taxonomy file will contain all fields used in the investigation / notification occurrences that must be stored in the EMCIP database.

3.2.9.2 TAX.002.M – Name and Description of the fields

- General: Taxonomy management must include the name and description of the field.
- Inputs: The name and description of the field of the EMCIP taxonomy.
- Outputs: Set the name and description to the taxonomy field.
- Processing: When a name and description of a taxonomy field is provided, they will be stored in the taxonomy configuration.

3.2.9.3 TAX.003.M – Position and type of taxonomy field

- General: Taxonomy management must include the position and type of taxonomy field in the form.
- Inputs: The position and type of the field of the EMCIP taxonomy.
- Outputs: Set the position and type to the taxonomy field.
- Processing: When a position and type of a taxonomy field is provided, they will be stored in the taxonomy configuration. The use of LifeRay web content management should be assessed.

3.2.9.4 TAX.004.M – Migration of current taxonomy

- General: The New EMCIP will use the existing XML taxonomy.
- Inputs: The current XML EMCIP taxonomy.
- Outputs: Set the current XML EMCIP taxonomy in the new EMCIP.
- Processing: The use of LifeRay web content management should be assessed.

3.2.10 Basic GIS interface

Basic GIS interface.

3.2.10.1 GIS.001.M – GIS Search & Filtering

- General: The New EMCIP system will be equipped with a Geographic Information System (GIS) interface that shall include a search & filtering tool to display occurrences in maps.
- Inputs: The search and the filtering query.
- Outputs: Occurrences displayed over the maps.
- Processing: The new EMCIP will show all the occurrences that match with the search criteria and filters in the map.

3.2.10.2 GIS.002.M – GIS Tools

- General: The basic GIS tool in the New EMCIP system should include the following functionalities.
 - Aggregate occurrence tool (for overlapped occurrences);
 - Zoom with slice;
 - Click on the occurrences to get the most significant information;
 - Latitude / Longitude display;
 - An option to place the occurrence on the map manually, so as to fill in the latitude/longitude values in the reporting form;
 - Extract the data, displayed on the map and export in a table (e.g. Excel).
- Inputs: The user request on the map tool.
- Outputs: The response of the map tool.
- Processing: Integration of OpenLayers 3 or Leaflet WMS clients into LifeRay should be assessed.

3.2.11 Ship reference repository.

Ship reference repository.

3.2.11.1 SHP.001.M – Internal repository

- General: The New EMCIP will contain an internal operation vessel register.
- Inputs: The information of vessels registered in the EMCIP occurrences.
- Outputs: Updated information with the information reported by users.
- Processing: The internal ship register could be updated with information reported by the users.

3.2.11.2 SHP.002.M – External repository

- General: New EMCIP will connect via web service to external services (e.g. SafeSeaNet ecosystem) to get reference ship data. Additionally, the external repository (reference) should employ a manual backup system (lookup table or similar) that could be updated through files (e.g. MS excel or MS access tables) exported from other databases (e.g. EMSA MARINFO or national DBs).
- Inputs: The connection to e.g. SSN web system.
- Outputs: The reference ship data.
- Processing: The external ship reference database could be a read-only register (e.g. MARINFO) or a read/write repository (e.g. SSN).

3.2.11.3 SHP.003.M – Search Ship

- General: When a New EMCIP user will search for a specific ship, the vessel that match the internal and the external repositories will be returned to the user, and the user will choose the vessel details from both repositories.

- Inputs: The search query and filtering for the ship.
- Outputs: The set of ships that match the search and filters.
- Processing: The new EMCIP will search for the ship in the external and in the internal repositories before generate the response to the user.

3.2.12 Enhanced GIS interface

3.2.12.1 EGI.001.N – Overlays

- General: The new EMCIP will allow WMS overlays from other EMSA system (like SSN, METOC, traffic density charts, over imposition of casualty data over density charts, etc.).
- Inputs: WMS overlays from other EMSA systems.
- Outputs: The WMS overlays over the new EMCIP base map.
- Processing: The New EMCIP will connect with WMS data sources of the EMSA ICT Landscape and will display the data on the map.

3.2.12.2 EGI.002.N – Spatial queries

- General: The new EMCIP will allow create spatial queries from the user interface (Ex. Occurrences within 10 nautical miles of the coast of France).
- Inputs: A query and spatial object (countries, FAO zones, etc...).
- Outputs: The set of occurrences that match the search and filters.
- Processing: The DBMS where the occurrences will be stored must support spatial queries.

3.2.12.3 EGI.003.N – Vessel Position Playback/Play-forward

- General: The New EMCIP will exploit the playback/play-forward (position extrapolation and prediction) services offered by other EMSA maritime applications (e.g. IMDatE, SafeSeaNet, CleanSeaNet) to replay position data acquired from these sources/applications or from files loaded by MS users, on its GIS map.
- Inputs: Vessel data positions.
- Outputs: The playback/ play-forward of the vessel positions over the map.
- Processing: The DBMS where the occurrences will be stored must support spatial queries.

3.2.13 Interfaces with other maritime applications

3.2.13.1 IMA.003.M – Integration in the EMSA ICT Landscape

- General: The implementation of the New EMCIP shall adhere to the rules set in the EMSA ICT Landscape for the right integration with the existing EMSA applications.
- Inputs: Physical and logical architecture of the new EMCIP.
- Outputs: The architecture according to the EMSA ICT Landscape.
- Processing: The New EMCIP shall be integrated it the EMSA ICT Landscape.

3.2.13.2 IMA.001.M – SOA oriented in/out streams

- General: The integration module of the New EMCIP will be SOA oriented and will include two-ways interfaces. The web services will consume information from other sources (e.g. to allow the organizations to transfer their own national databases data) and also to other sources (e.g. to allow the organizations to stream data from EMCIP to IMO GISIS).
- Inputs: The New EMCIP push (triggered by events) and pull (requested by the client) web services to provide / receive information to / from external systems.
- Outputs: The information provided from the New EMCIP web services.
- Processing: The use of RESTful web-services are suggested for the implementation of the New EMCIP web services (e.g. LifeRay support RESTful and SAOP web services).

3.2.13.3 IMA.002.N – SOA oriented streams from/to other EMSA App

- General: The integration module of the New EMCIP will be SOA oriented and will allow connecting the New EMCIP to other EMSA systems / applications (e.g. IMDatE for position data, weather forecasting, data fusion and prediction, etc....), CleanSeaNet (e.g. for VDS position data from SAR images), SafeSeaNet (e.g. about HazMat data, voyage data, casualty notifications), THETIS (e.g. general PSC data), EQUASYS (e.g. ship particulars, ship identity and management, etc....). The interfaces implemented in the existing EMSA landscape must be used.
- Inputs: Push / pull connection to any EMSA application web service.
- Outputs: The response from the web service.
- Processing: LifeRay supports the connection to both RESTful and SAOP web services. Single-sign-on must be taken into account when connecting to any EMSA application web service.

3.2.14 Integration with business intelligence tools

3.2.14.1 IIT.001.M – Data analysis

- General: The New EMCIP will include analysis of the data (business intelligence) tool allowing the user to perform complex queries over the EMCIP data base.
- Inputs: Business intelligence tool (BI) and connection to the EMCIP data base.
- Outputs: The result of the analysis done.
- Processing: JasperSoft BI EMSA solution shall be used for the EMCIP data analysis.

3.2.15 Integration with customized reports and reporting layouts

3.2.15.1 IBR.002.N – Report templates

- General: The New EMCIP will have some customization report tool (include logo, adapt template for different users, etc....) with the possibility to create customized reporting templates (e.g. a template for the Annex I of Directive 2009/18).
- Inputs: A template generated by an authorized user.
- Outputs: The custom report with the data provided by the user.

- Processing: JasperSoft BI EMSA solution could be used for the generation of the templates and the reports. The reports generated will be easily exported to other format like PDF, Excel, MS Word, CSV, etc....

3.2.16 Enhanced human/machine web interface

Enhancements to the human/machine interface will be defined when the first user interface is defined and based on the users recommendations.

3.2.17 Enhancement of other Core Application modules

Enhancements to the Core Application functionalities will be defined when the first core application functionalities are defined and based on the users recommendations.

3.3 Interface requirements

3.3.1 Interfaces between New EMCIP and other software items

The interfaces between the new EMCIP and other EMSA applications will be done following the recommendations on web services implementation and deployment defined in EMSA's System and Application Technical Landscape. The interfaces between the New EMCIP and other external applications will be done using web services. EMCIP will have its own interface specification and other systems will have to adhere to that.

For those applications deployed in the EMSA ICT Landscape, the single-sign-on mechanism provided by the EMSA Access and Identification Management should be taken into account.

3.4 Operational requirements

The new EMCIP will have five main operational modes:

- Management operational mode: This operational model allows the management of the following entities of the New EMCIP:
 - Data base data (Occurrences):
 - Accept, Reject, Delete, Change Investigator in Charge, Lock, Unlock, Reopen and Revoke occurrences for the MS/AUTH/EMSA manager;
 - Taxonomy management, Access -Acceptance Rules management and Workflow management for EMSA administrator;
 - Business Intelligence tools: Creation and Edition of advanced queries and templates for occurrence and data analysis.
 - Users: Create / Manage users and organizations
 - EMCIP Portal Content (LifeRay): Create calendar Events, Discussion board, etc....
- Visualization operational mode: This operational mode allows the visualization of the following EMCIP entities:
 - Portal Content;
 - Database Data & Investigation Reports.

- Reporting/retrieving operational mode: This operational mode allows the reporting (Edit occurrence) and retrieving of data to/from the New EMCIP database (Submit or Transfer Occurrence).
- Verification: This operational mode allows the use of acceptance tools according with the rules stipulated in the entitlements and described in Figure 4 - New EMCIP Investigation workflow of the present document.
- Analysis: This operational mode allows the use of analysis and statistical tools in the application.

The following figure represents the New EMCIP operational modes:

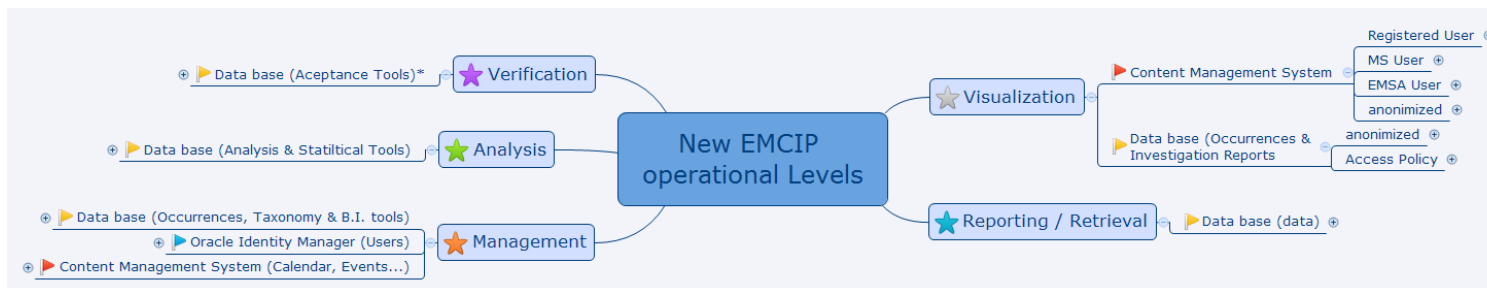


Figure 2 - New EMCIP operational modes

The database is the kernel of the new EMCIP. The following figure shows the main activities users can do with the data base:

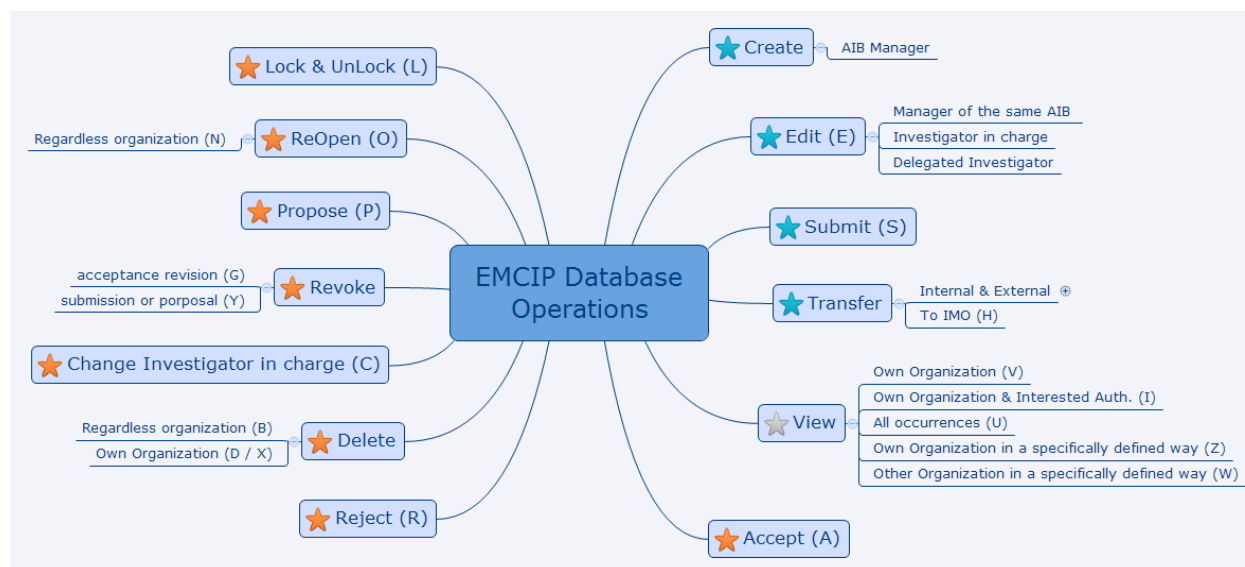


Figure 3 - New EMCIP Occurrence operations

The following state diagram represents the status of an occurrence when any of the operations represented above is executed on the occurrence:

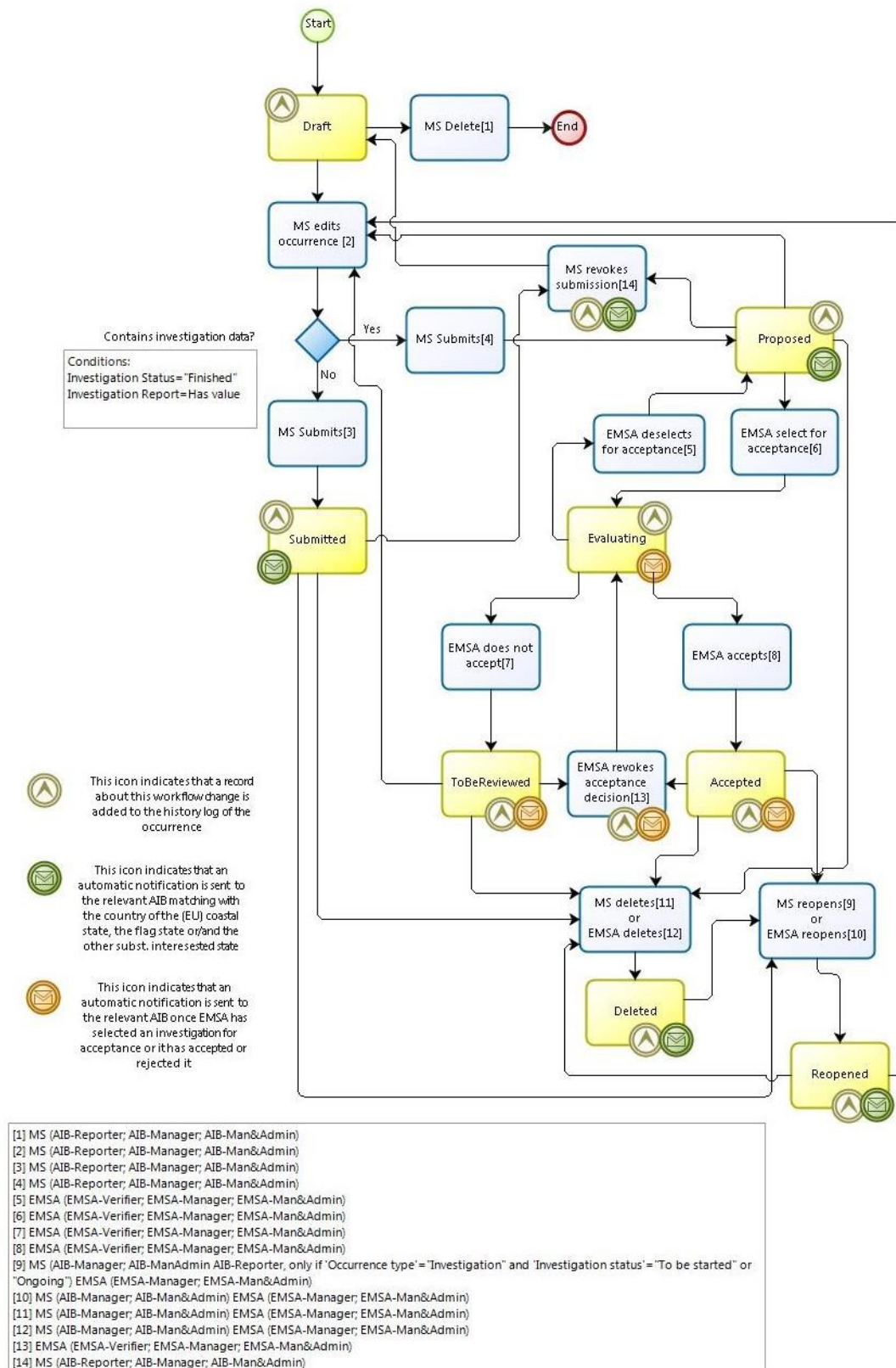


Figure 4 - New EMCIP Investigation workflow

4. User Profiles

The user profiles described in this section are an initial configuration of roles and groups. This configuration could change during development or once the system will be in operation, due to operational needs. The New EMCIP user profiles can be differentiated in three main groups, Public, MS authorities and EMSA:

- **Public:** Registered and not registered users that are not directly involved in maritime investigations (not Accident Investigation bodies (AIB) or National maritime Authorities (AUTH)). This group has the following New EMCIP roles:
 - **PUB-BASIC-Contents:** This enables the visualization of portal contents by everybody (no registration required);
 - **PUB-RESTRICTED-Contents*:** This enables the visualization of certain portal contents by registered users only (registration required);
 - **PUB-Research*:** This enables the visualization of certain portal contents by special categories of registered users (research projects, universities, statistical institutes) (registration required);
 - **PUB-DBPublic:** This enables the visualization of anonymized database data, and investigation reports, according to the rules stipulated in the data access policy;
 - **PUB-DBResearch:** This enables the visualization of database data and investigation reports, according to the rules stipulated in the data access policy;
- **Member states and Authorities:** The EMCIP users of this group are the ones involved directly in the maritime investigations (AIB and AUTH). This group has the following New EMCIP roles:
 - **MS-UserAdministrator:** This enables the creation and management of users within the same organization;
 - **MS-BASIC-Contents:** This enables the visualization of portal contents dedicated to MS, by all MS users (no PUB access) (registration required);
 - **MS-RESTRICTED-Contents*:** This enables the visualization of specific portal contents by MS users (beyond MS-BASIC access) (registration required);
 - **MS-DBManagement:** This enables the deletion and re-opening of occurrences, according to the rules stipulated in the data access policy;
 - **MS-DBReporting:** This enables the reporting of data into the database according to the rules stipulated in the data access policy;
 - **MS-DBAnalysis:** This enables the use of analysis and statistical tools in the application, according to the rules stipulated in the data access policy;
 - **MS-DBView-only:** This enables the visualization of database data and investigation reports according to the rules stipulated in the data access policy;
 - **AUTH-DBManagement:** This enables the deletion and re-opening of occurrences, according to the rules stipulated in the data access policy;
 - **AUTH-DBReporting:** This enables the reporting of data into the database according to the rules stipulated in the data access policy;

- AUTH-DBAnalysis: This enables the use of analysis and statistical tools in the application, according to the rules stipulated in the data access policy;
- AUTH-DBView-Only: This enables the visualization of database data and investigation reports according to the rules stipulated in the data access policy;
- EMSA: The EMCIP users of this group are the EMSA staff with access to EMCIP. This group have the following New EMCIP roles:
 - EMSA-UserAdministrator*: This enables the creation and management of users across the whole user community, with no limitation based on country or organization. This enables the creation and management of roles and groups;
 - EMSA-BASIC-Contents: This enables the visualization of portal contents dedicated to EMSA and MS, by all EMSA users (registration required);
 - EMSA-RESTRICTED-Contents*: This enables the visualization of specific portal contents by EMSA users (beyond EMSA-BASIC access) (registration required);
 - EMSA-DBManagement: This enables the deletion and re-opening of occurrences, according to the rules stipulated in the data access policy;
 - EMSA-DBVerification: This enables the use of acceptance tools according to the rules stipulated in the entitlements and described in the workflow documentation, according to the rules stipulated in the data access policy;
 - EMSA-DBAnalysis: This enables the use of analysis and statistical tools in the application, according to the rules stipulated in the data access policy;
 - EMSA-DBView-only: This enables the visualization of database data and investigation reports according to the rules stipulated in the data access policy;
 - EMSA-ContentsManagement*: This enables the creation and management of portal contents by EMSA administrator.

The following figure displays all the roles defined in the new EMCIP:

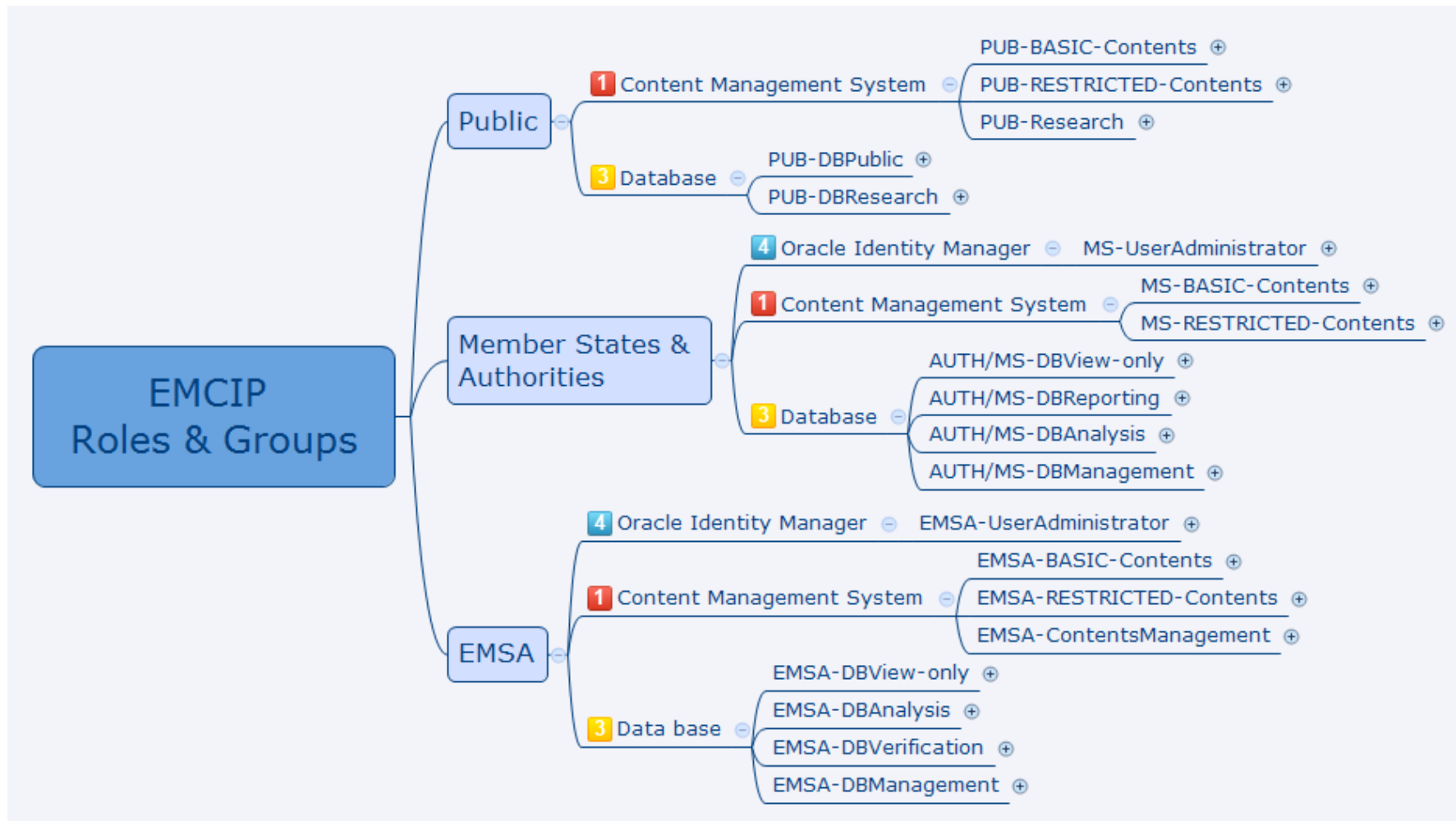


Figure 5 - New EMCIP roles

As described in chapter 3.4 'Operational requirements' of the present document, the three EMCIP main components (Content Management System, Database and Oracle Identity Manager) have five different operational levels (Visualization, Management, Reporting, Verification and Analysis). In order to group the different roles, taking into count the New EMCIP components and their operational levels, the following community groups have been defined:

- GUEST-Registered: This group of functionalities will include visualization of the new EMCIP Database and Content Management subsystems but with restrictions on the visualization of the information (Basic contents);
- GUEST-Registered-Research: This group of functionalities will include visualization of the new EMCIP Database and Content Management subsystem with restrictions on the visualization of the information, but with additional of a GUEST-Registered group user (Restricted contents);
- GUEST-NotRegistered: This group of functionalities will include visualization of the new EMCIP Database and Content Management subsystem but only public information;
- AIB-Man&Admin: This group of functionalities will include the management of the Oracle identity Manager subsystem for the creation of user of its own AIB; the visualization of Basic and restricted information of the content management system of its own organization; the management, reporting and analysis in the new EMCIP data base system of its own organization and the visualization of all data of the new EMCIP database;
- AIB-Manager: This group of functionalities will include the visualization of Basic and restricted information of the content management system of its own organization; the management, reporting and analysis in the new EMCIP data base system of its own organization and the visualization of all data of the new EMCIP database;
- AIB-Reporter: This group of functionalities will include the visualization of Basic and restricted information of the content management system of its own organization; the reporting and analysis in the new EMCIP data base system of its own organization and the visualization of all data of the new EMCIP database;
- AIB-Analyst: This group of functionalities will include the visualization of Basic and restricted information of the content management system of its own organization; the analysis in the new EMCIP data base system of its own organization and the visualization of all data of the new EMCIP database;
- AIB-Viewer: This group of functionalities will include the visualization of Basic and restricted information of the content management system of its own organization and the Visualization of the new EMCIP data base stored data;
- AUTH-Man&Admin: This group of functionalities will include the management of the Oracle identity Manager subsystem for the creation of user of its own AUTH; the visualization of Basic and restricted information of the content management system of its own organization; management, reporting and analysis in the new EMCIP data base system of its own organization and the visualization of all data of the new EMCIP database;
- AUTH-Manager: This group of functionalities will include the visualization of Basic and restricted information of the content management system of its own organization and the

Visualization, management, reporting and analysis in the new EMCIP data base system of its own organization and the visualization of all data of the new EMCIP database;

- AUTH-Reporter: This group of functionalities will include the visualization of Basic and restricted information of the content management system of its own organization; the reporting and analysis in the new EMCIP data base system of its own organization and the visualization of all data of the new EMCIP database;
- AUTH-Analyst: This group of functionalities will include the visualization of Basic and restricted information of the content management system of its own organization; analysis in the new EMCIP data base system of its own organization and the visualization of all data of the new EMCIP database;
- AUTH-Viewer: This group of functionalities will include the visualization of Basic and restricted information of the content management system of its own organization and the Visualization of the new EMCIP data base stored data of its own organization;
- EMSA-Man&Admin: This group of functionalities will include the management of the Oracle identity Manager subsystem for the creation of user of all organizations; the management of Basic and restricted information of the content management system and the visualization, verification, management and analysis in the new EMCIP data base system of all organizations data;
- EMSA-Manager: This group of functionalities will include the visualization of Basic and restricted information of the content management system and the visualization, verification management and analysis in the new EMCIP data base system of all organizations data;
- EMSA-Verifier: This group of functionalities will include the visualization of Basic and restricted information of the content management system and the visualization, verification and analysis in the new EMCIP data base system of all organizations data;
- EMSA-Analyst: This group of functionalities will include the visualization of Basic and restricted information of the content management system and the visualization and analysis in the new EMCIP data base system of all organizations data;
- EMSA-Viewer: This group of functionalities will include the visualization of Basic and restricted information of the content management system and the visualization of all organizations data stored in the new EMCIP data base system.

These groups of functionalities are defined as an initial configuration. This configuration could change once the system is place in production due to operational needs

The following Figure displays all EMCIP operational levels with the EMCIP subsystems and the associated functionalities groups:

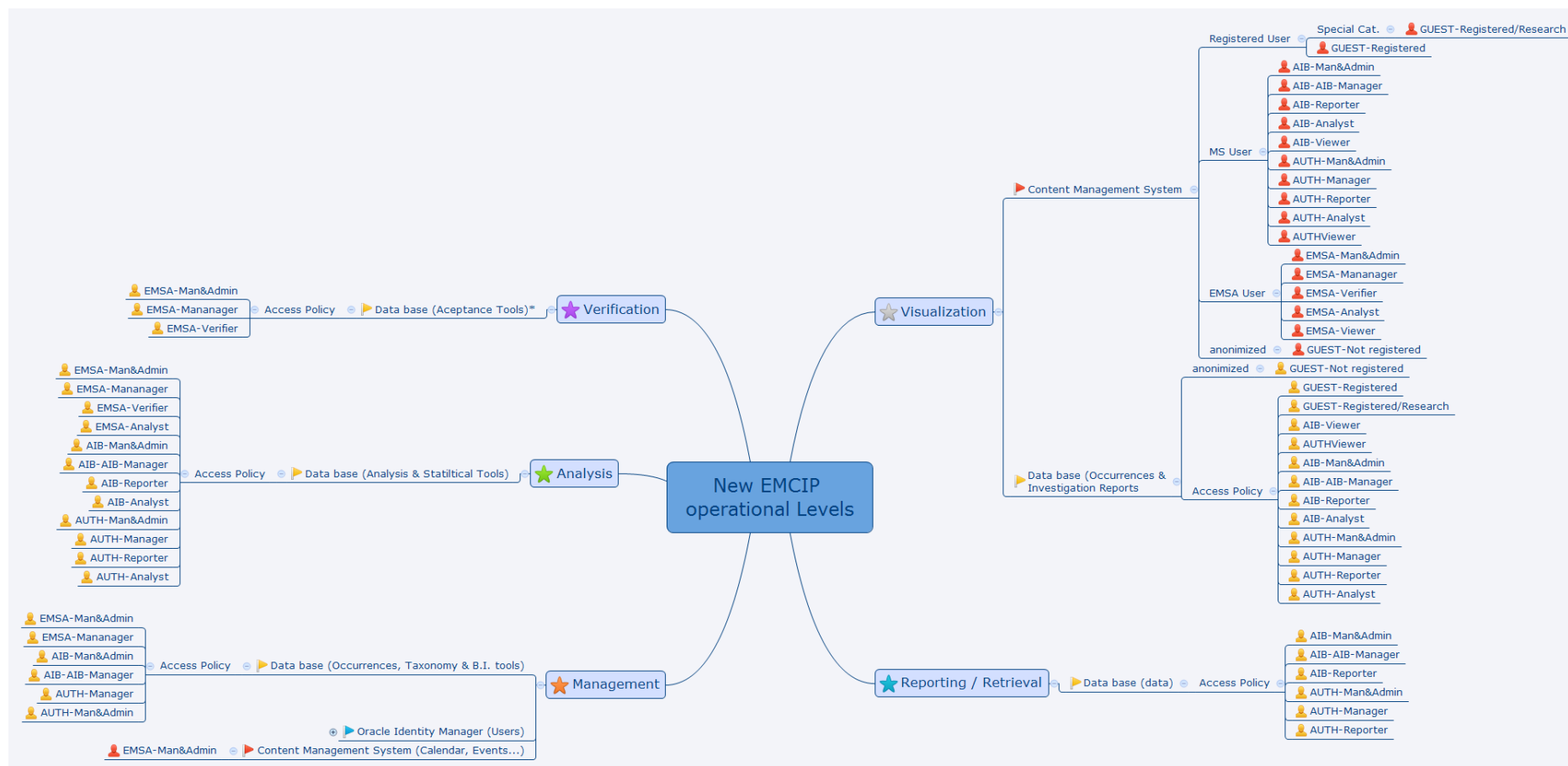


Figure 6 - New EMCIP operational level

The following figure associated the user roles defined previously with the groups of functionalities defined above:

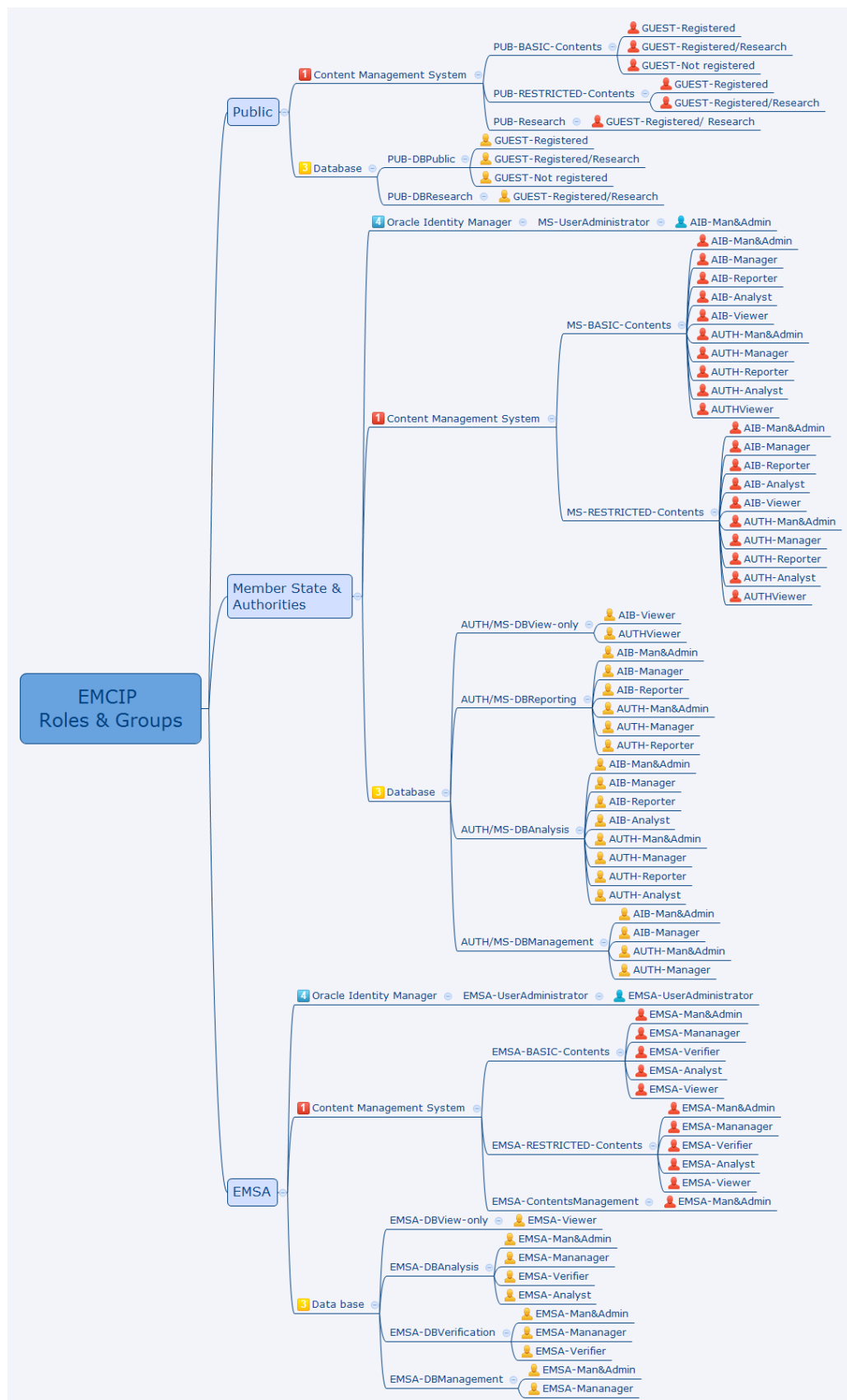


Figure 7 - New EMCIP roles and groups

5. User Scenarios

This chapter provides a description of the different ways users will interact with the future EMCIP based on the key processes that have to be supported.

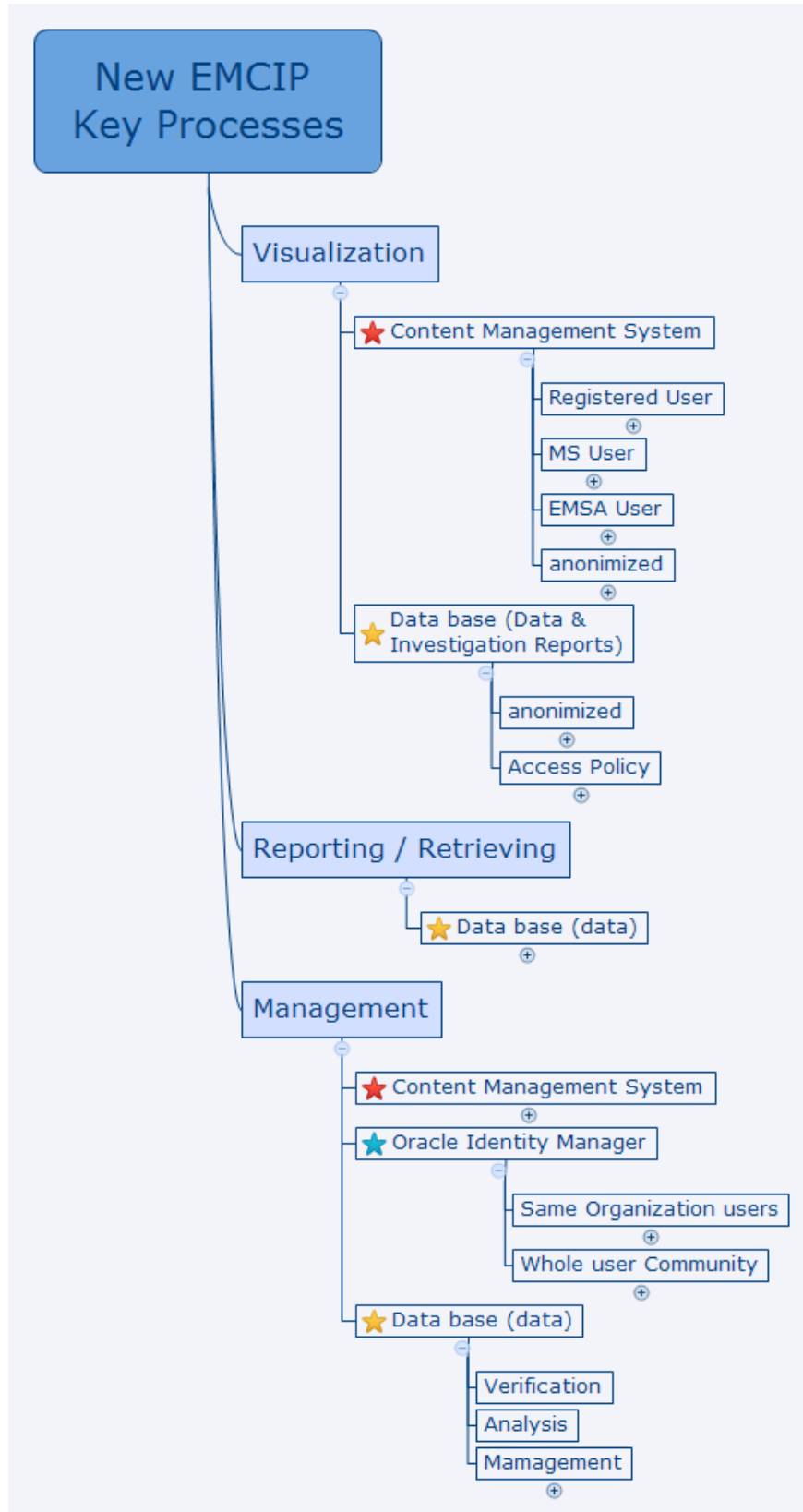


Figure 8 - New EMCIP Key Processes

There will be 3 main key processes in the New EMCIP:

1. Visualization: This key process is focused on providing the New EMCIP user all the information required in a user friendly way. This Key process cover the following Scenarios:
 - a. CMS Visualization Anonymous User: Visualization of the public content of the New EMCIP portal (Not registered users).
 - b. CMS Visualization Registered User: Visualization of the content of the New EMCIP portal for registered users involved or not in the investigation process (Registered users, Research institutions, AIBs, AUTHs and EMSA users).
 - c. DB Visualization Anonymous user: Visualization of the public content of the new EMCIP database (Occurrences) and Investigation reports.
 - d. DB Visualization Registered User: Visualization of the content of the new EMCIP database (Occurrences) and investigation reports for those users directly involved in the investigation process (EMSA, AIBs and AUTHs). An access policy for the visualization of the information will be defined depending on the role and group of the user.
2. Reporting/retrieving: This process allows the investigator to fill up the New EMCIP database with the information gathering during the investigation process. This process will include transfer and analysis tools to help the investigator during the whole life in an investigation (not just the reporting phase). This process will consider the specifications of Directive 2009/18/EC taking special attention in the Annex I. This process have one functional scenario that will be covered with several use cases (due the several user tools involved in the process):
 - a. DB Reporting: Reporting the maritime occurrences into the New EMCIP database for those users directly involved in the investigation process (AIBs and AUTHs). An access policy for the reporting of the information will be defined depending on the role and group of the user.
3. Management: This process allows EMSA user and AIB power users to manage the three main subsystem of the new EMCIP (Content Management System (CMS), Data base (DB) and Oracle Identity Manager (OIM)). This key process convers the following scenarios:
 - a. CMS Management: This scenario allows EMSA power user to manage the content (discussion boards, news, calendars, notifications, etc. ...) of the new EMCIP portal and the access grant on the user groups and roles.
 - b. Same Organization user OIM management: This scenario allows AIB and AUTH to create / delete or modify the New EMCIP users of its own organization and assign the users different roles.
 - c. Whole EMCIP user community OIM management: This scenario allows EMSA power user to create / delete or modify the New EMCIP groups and users and assign the users different roles.

- d. EMSA DB Management: This scenario allows EMSA power user to manage the New EMCIP data base taxonomy, to manage the data access policy and to manage the content of the database accorded with the rules stipulated in the data access policy and in the workflow.
- e. MS DB Management: This scenario allows AIB and AUTH users to manage the content of the database accorded with the rules stipulated in the data access policy.
- f. DB Verification: This scenario allows EMSA user to manage the occurrence workflow, to manage the taxonomy acceptance rules and the use of acceptance tools according with the rules stipulated in the data access policy.
- g. DB Analysis: This scenario allows EMSA and MS users the use of BI tools in the New EMCIP.

6. Interaction Diagrams

The following diagram represents the most typical interaction of an EMCIP registered user with the system:

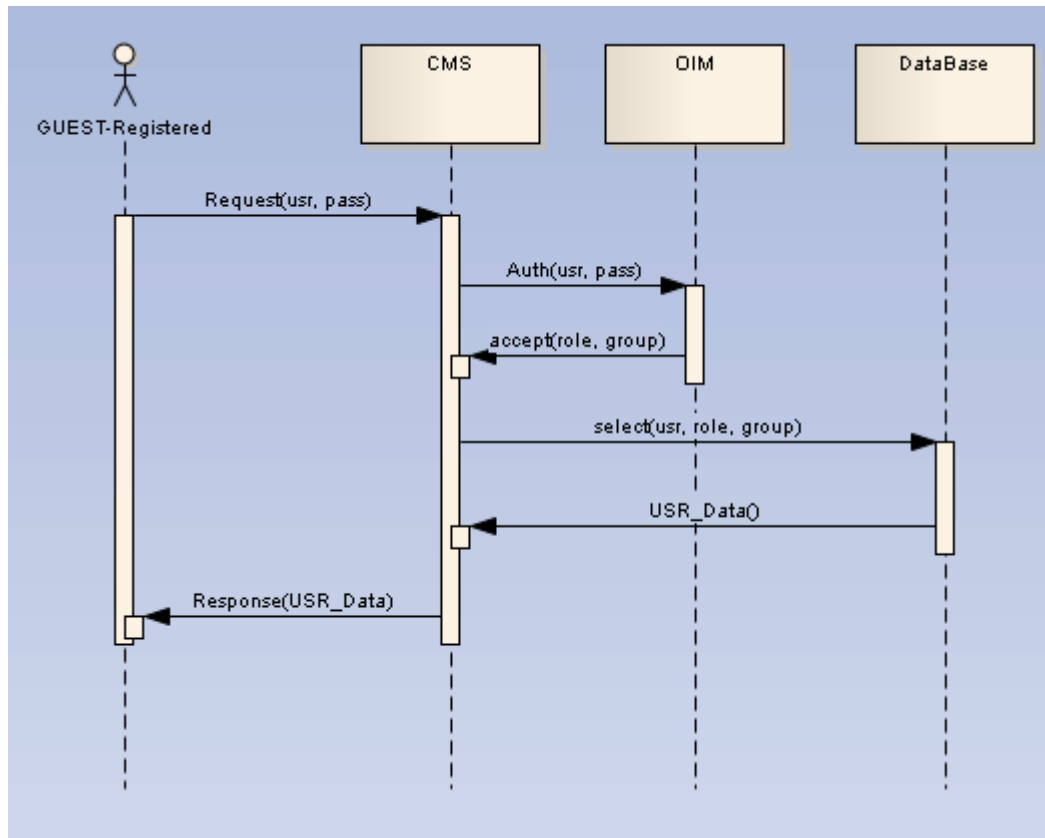


Figure 9 - New EMCIP Interaction diagram

The next chapter breaks down the main operational scenarios of the new EMCIP into use cases to provide a better understanding of the new EMCIP.

7. Use Cases

This chapter describe all uses cases identified during the analysis phase of the user requirements identified during the user's interviews and the Focus Group meetings.

All the use cases will be described in a tabular view using the following table structure:

Table 7-1 Use Case definition Table

ID:	Unique ID of this use case
Title:	The goal of the use case
Description:	Description of the goal and context of this use case.
Primary Actor:	The person or a software/hardware system that interacts with the new EMCIP to achieve the goal of this use case.
Preconditions:	The state the system is in before the first event in this use case.
Postconditions:	The state the system is in after all the events in this use case have taken place.
Main Success Scenario:	The flow of events from preconditions to postconditions, when nothing goes wrong.
Extensions:	All the other scenarios for this use case - including exceptions and error cases.
Frequency of Use:	How often will this use case be used?
Priority:	Priority of this use case (Mandatory / Nice to have)

7.1 CMS Management

This uses cases involves all tasks of an EMSA Content Manager of EMCIP Portal system.

The main Use Case (CMS.CU.01 Management) includes the following responsibilities:

- The configuration of the user interface: Enables EMSA-Contents Manager to quickly build rich web content using many of the same features as extensive content management systems. Content in this sense means a website, web pages, or portions of a web page by using predefined templates or content Manager build-in tools.
- The configuration of the Logs: Any action done by any user should be logged. An EMSA-Contents Manager user can set up the logger for any action in the CMS for any type of user.
- Links to External applications: An EMSA-Contents Manager user can define the link to external EMSA application that will be displayed in the EMCIP portal dash board for any type of user.
- Configuration the Notification Form: This feature allows an EMSA-Contents Manager user to configure the fields that will be presented in the Notification Form displayed in the New EMCIP Portal main page for not registered users.

The use case “CMS.CU.02 Tools configuration” is included inside the main use case and includes the management of the most typical tools of CMS:

- **Calendar:** This tool allows the management of the calendar of the New EMCIP registered users, allowing the EMSA-Contents Management the creation of calendar events and notifications and the management of the different user calendar grants for each user.
- **Document Management:** The EMSA-Contents Management can manage the user entitlements for the New EMCIP document repository that houses documents, video, audio, images, and other media types from one place. The document repository can be leveraged across the EMCIP system, within a specific group, or for a single individual as a web repository. EMCIP repositories allow groups to store investigation reports and other multimedia information important for an investigation, tag the information with key words, lock the information, search for or download them for use offline.
- **Discussion board management:** This feature will allow an EMSA-Contents Management user to create / delete and moderate EMCIP discussion boards where user can post comments about particular investigation issue or topic and reply other users’ postings.

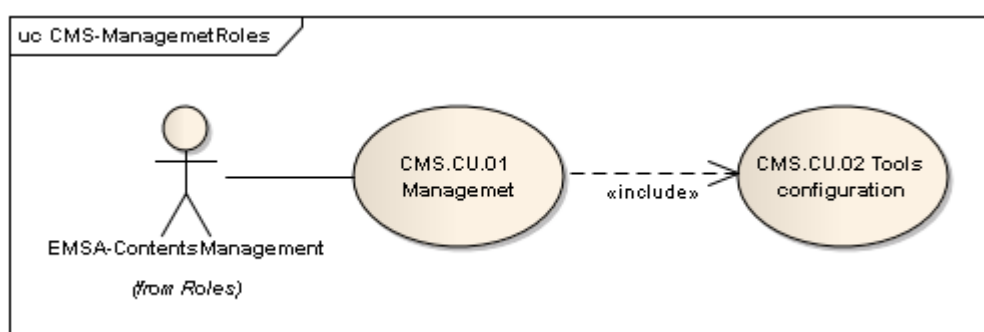


Figure 10 - CMS Management Use Cases

The following tables describe the use cases represented in Figure 10 - CMS Management Use Cases:

Table 7-2 CMS.CU.01 Management

ID:	CMS.CU.01
Title:	Management
Description:	This uses cases involves all tasks of an EMSA Content Manager of EMCIP Portal system
Primary Actor:	EMSA-Contents Management.
Preconditions:	The EMSA-Contents Manager user is already logged in the EMCIP System.
Postconditions:	The new EMCIP Portal is configured (Modified / Create new content / Delete Content).

Main Success Scenario:	<ol style="list-style-type: none"> 1. The EMSA-Contents Manager chooses the CMS Management from the main page. 2. The System response with the CMS management Page 3. The EMSA-Contents Management selects one of the following options.
Extensions:	<p>3a. The EMSA-Contents Management chooses Web Publishing option</p> <p>3a.1. The system displays the different alternatives to create / delete or Modify the content of the New EMCIP portal.</p> <p>3a.2 The EMSA-Contents Management creates / deletes or Modify the content of the New EMCIP portal and submit the modifications</p> <p>3a3. The system asks for the user confirmation.</p> <p>3a4 The user accept or cancel the modifications</p> <p>3a4a The user accept the modifications</p> <p>3a4a1 The system stores the changes done by the user.</p> <p>3a4b The user Cancel the modifications</p> <p>3a4b1 The system revert all changes done by the user</p> <p>3b The user chooses the Logger Management option</p> <p>3b1 The system displays the different Modules of the New EMCIP systems and its log levels (ALL, DEBUG, ERROR, FATAL , INFO, OFF)</p> <p>3b2 The EMSA-Contents Management chooses the log levels for each New EMCIP subsystems</p> <p>3b3. The system asks for the user confirmation.</p> <p>3b4 The user accepts or cancel the modifications</p> <p>3b4a The user accepts the modifications</p> <p>3b4a1 The system stores the changes done by the user.</p> <p>3b4b The user Cancel the modifications</p> <p>3b4b1 The system revert all changes done by the user</p> <p>3c. The EMSA-Contents Management chooses Configuration the Notification Form option</p> <p>3c1. The system displays the different alternatives to create / delete or Modify fields in the Notification form the New EMCIP users.</p> <p>3c2 The EMSA-Contents Management changes the fields on the notification form</p> <p>3c3. The system asks for the user confirmation.</p> <p>3c4 The user accepts or cancel the modifications</p> <p>3c4a The user accepts the modifications</p> <p>3c4a1 The system stores the changes done by the user.</p> <p>3c4b The user Cancel the modifications</p> <p>3c4b1 The system revert all changes done by the user</p>
Frequency of Use:	A few times every quarter
Priority:	Mandatory

Table 7-3 CMS.CU.02 Tools Configuration

ID:	CMS.CU.02
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Title:	Tools Configuration
Description:	This uses case involves the management of the most common CMS management tools (Calendar; Document Management and Discussion boards)
Primary Actor:	EMSA-Contents Management.
Preconditions:	The EMSA-Contents Management user is already logged in the EMCIP System.
Postconditions:	The new EMCIP CMS tools are configured.
Main Success Scenario:	<ol style="list-style-type: none"> 1. The EMSA-Contents Management chooses the CMS Management from the main page. 2. The System response with the CMS management Page 3. The EMSA-Contents Management selects one of the following options.
Extensions:	<p>3a. The EMSA-Contents Management chooses Calendar option</p> <p>3a1. The system displays the different alternatives to create / delete or Modify events in the calendar of the New EMCIP users.</p> <p>3a2 The EMSA-Contents Management creates / deletes or Modify the events in the calendar of the New EMCIP users. Documents can be added to each event. A notification is sent/posted on the dashboard to all users once a new event has been created (or modified) in the calendar. The new event is highlighted on the calendar so that all users can notice it.</p> <p>3a3. The system asks for the user confirmation.</p> <p>3a4 The user accept or cancel the modifications</p> <p>3a4a The user accept the modifications</p> <p>3a4a1 The system stores the changes done by the user.</p> <p>3a4b The user Cancel the modifications</p> <p>3a4b1 The system revert all changes done by the user</p> <p>3b The user chooses the Document Management option</p> <p>3b1 The system request for the Document / Media to be uploaded and the New EMCIP repository/path where the document will be stored</p> <p>3b2 The EMSA-Contents Management chooses the document or media to upload and the New EMCIP repository/path and press the submit button</p> <p>3b2a The repository selected by the user is already created in the system</p> <p>3b2a1 The Document / Media are stored in the New EMCIP repository.</p> <p>3b2b The repository do not exists in the system</p> <p>3b2b1 The system asks the user for the creation of the new repository</p> <p>3b2b2 The user accepts the creation of the repository</p> <p>3b2b3 The new repository is created and the document / media are stored in the repository.</p> <p>3c The user choose the discussion board management</p>

	<p>3c.1.The system displays the different alternatives to create / delete or Modify the discussion boards.</p> <p>3c2 The EMSA-Contents Management creates / deletes or Modify discussion boards and submit the modifications</p> <p>3c3. The system asks for the user confirmation.</p> <p>3c4 The user accepts or cancel the modifications</p> <p>3c4a The user accepts the modifications</p> <p>3c4a1 The system stores the changes done by the user.</p> <p>3c4b The user Cancel the modifications</p> <p>3c4b1 The system revert all changes done by the user</p> <p>3c The user choose the announcements/notifications to all users</p> <p>3c.1.The system displays the different alternatives to create / delete or Modify the announcements/notifications.</p> <p>3c2 The EMSA-Contents Management creates / deletes or Modify announcements/notifications and submit the modifications</p> <p>3c3. The system asks for the user confirmation.</p> <p>3c4 The user accepts or cancel the modifications</p> <p>3c4a The user accepts the modifications</p> <p>3c4a1 The system stores the changes done by the user.</p> <p>3c4b The user Cancel the modifications</p> <p>3c4b1 The system revert all changes done by the user</p>
Frequency of Use:	A few times every quarter
Priority:	Mandatory

7.2 CMS Notification form

This is a specialised use case that describes how a guest not registered EMCIP user can submit information about a maritime incident using the notification form defined by the EMSA

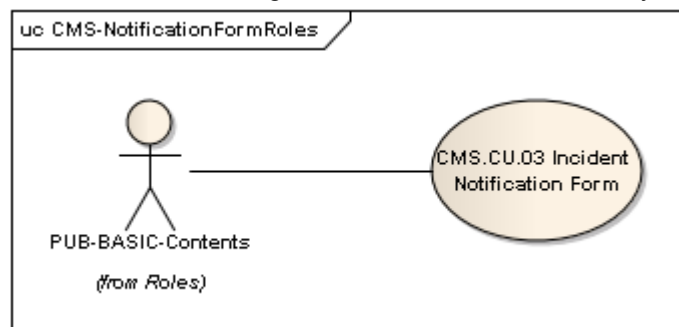


Figure 11 - Incident Notification form Use Case

The following table describe the use case represented in the above figure:

Table 7-4 CMS.CU.003 Incident Notification form

ID:	CMS.CU.003
Title:	Incident Notification form
Description:	With this use case an anonymous use is able to notify a maritime incident.
Primary Actor:	Guest not registered user.
Preconditions:	A guest not registered user has access to the Notification form New EMCIP web page.
Postconditions:	The anonymous notification of a marine incident is stored in the system.
Main Success Scenario:	<ol style="list-style-type: none"> 1. The user fills the fields of the web notification forms and press the submit button 2. The system ask confirmation for send the information 3. The user accepts sending the information. 4. The system registers the form in the data base and generates an alert to the MS concerned. The MS concerned will decide if this alert will be used to to create a new occurrence in EMCIP using the data of the notification form, or not.
Extensions:	<p>2a The user fills the fields of the web or PDF notification forms from the EMCIP portal and press the submit button; or</p> <p>2b The user Cancel the notification form sending</p> <p>2c The system returns to the notification form web page and ends the use case</p>
Frequency of Use:	A few times every month
Priority:	This use case is Mandatory

7.3 CMS Visualization

This set of use cases cover all the possibilities of the visualization of the information of the New EMCIP portal. Depending on the user roles the information displayed in the New EMCIP portal will change.

A generic use case “CMS.CU.08 Content Visualization” is defined, this use also checks the grant of the user on the visualization of the information. The other used cases extend the functionality of the generic use case in order to provide the information based on the requesting information user.

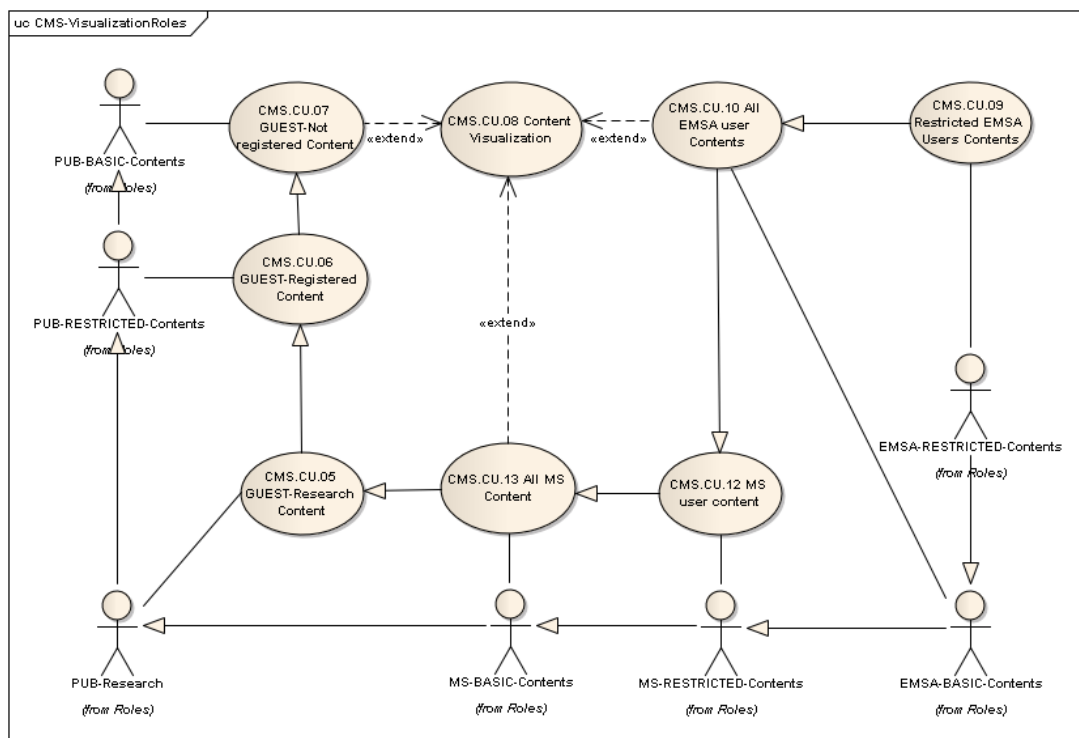


Figure 12 - CMS Visualization Use Cases

The following table describe the use case represented in the above figure:

Table 7-5 CMS.CU.08 Content Visualization

ID:	CMS.CU.08
Title:	Content Visualization
Description:	Visualization of the information stored in the New EMCIP Portal.
Primary Actor:	All users of New EMCIP.
Preconditions:	A user has access to New EMCIP portal web page.
Postconditions:	The system displays the correct information to the user.
Main Success Scenario:	<ol style="list-style-type: none"> 1. Once the New EMCIP portal is requested by a user, the system check the user credentials and gets the user roles and entitlements. 2. The system displays information, documents and contacts of the new EMCIP Portal depending on the user role and group.

Extensions:	<p>2a The user is has a PUB-BASIC-Contents role</p> <p>.2a1 The use case CMS.CU.07 GUEST not registered content is executed and ends the use case</p> <p>2b The user is has a PUB-RESTRICTED-Contents role</p> <p>.2b1 The use case CMS.CU.06 GUEST registered content is executed and ends the use case</p> <p>2c The user is has a PUB-Research role</p> <p>.2c1 The use case CMS.CU.05 GUEST research content is executed and ends the use case</p> <p>2c The user is has an MS-BASIC-Contents role</p> <p>.2c1 The use case CMS.CU.13 All MS content is executed and ends the use case</p> <p>2d The user is has an MS-RESTRICTED-Contents role</p> <p>.2d1 The use case CMS.CU.12 MS user content is executed and ends the use case</p> <p>2e The user is has an EMSA-BASIC-Contents role</p> <p>.2e1 The use case CMS.CU.10 All EMSA user Contents is executed and ends the use case</p> <p>2f The user is has an EMSA-RESTRICTED-Contents role</p> <p>.2f1 The use case CMS.CU.09 Restricted EMSA user content is executed and ends the use case</p>
Frequency of Use:	Hundreds time a day
Priority:	This use case is Mandatory

The “CMS.CU.07 GUEST not registered content” use case extends the functionality of the “CMS.CU.08 Content Visualization” when a user with roles (PUB-BASIC-Contents; PUB-RESTRICTED-Contents; PUB-Research) access to the new EMCIP Portal.

Table 7-6 CMS.CU.07 GUEST not registered content

ID:	CMS.CU.07
Title:	GUEST not registered content
Description:	Visualization of the information stored in the New EMCIP Portal for no registered user.
Primary Actor:	GUEST not registered user.
Preconditions:	A user has access to New EMCIP portal web page.
Postconditions:	The system displays the correct information to the GUEST not registered user.

Main Success Scenario:	1. The system displays the New EMCIP dash board web page with information about the EMCIP database, basic data of investigation reports (casualties), public relevant documents, links with other public application and news related to maritime safety related issues published on the internet recently.
Extensions:	NA
Frequency of Use:	Several times a day
Priority:	This use case is Mandatory

The “CMS.CU.06 GUEST registered content” inherits from “CMS.CU.07 GUEST not registered content” so all the data available in “CMS.CU.07 GUEST not registered content” will be also available in this use case.

Table 7-7 CMS.CU.06 GUEST registered content

ID:	CMS.CU.06
Title:	GUEST registered content
Description:	Visualization of the information stored in the New EMCIP Portal for basic registered user.
Primary Actor:	GUEST registered user.
Preconditions:	A user has access to New EMCIP portal web page.
Postconditions:	The system displays the correct information to the GUEST registered user
Main Success Scenario:	1. The system displays the information of the GUEST not registered user and additional information of investigation reports (casualties) but not complete information, some private relevant documents and access to some of the discussion boards.
Extensions:	NA
Frequency of Use:	Several times a day
Priority:	This use case is Mandatory

The “CMS.CU.05 GUEST-Research Content” inherits from “CMS.CU.06 GUEST-Registered Content” so all the data available in “CMS.CU.06 GUEST registered content” will be also available in this use case.

Table 7-8 CMS.CU.05 GUEST-Research Content

ID:	CMS.CU.05
Title:	GUEST-Research Content

Description:	Visualization of the information stored in the New EMCIP Portal for Research registered user.
Primary Actor:	GUEST-Research (research projects, universities, statistical institutes).
Preconditions:	A user has access to New EMCIP portal web page.
Postconditions:	The system displays the correct information to the GUEST registered user
Main Success Scenario:	1. The system displays the information of the GUEST registered user and additional information of investigation reports (casualties) complete information, some private relevant documents and access to some of the discussion boards and Document repositories.
Extensions:	NA
Frequency of Use:	Several times a day
Priority:	This use case is Mandatory

The “CMS.CU.13 All MS Content” use case extends the functionality of the “CMS.CU.08 Content Visualization” when a user with roles (MS-BASIC-Contents or MS-RESTRICTED-Contents) access to the new EMCIP Portal

Table 7-9 CMS.CU.13 All MS Content

ID:	CMS.CU.13
Title:	All MS Content
Description:	Visualization of the information stored in the New EMCIP Portal for user with MS-BASIC-Contents role.
Primary Actor:	A user with MS-BASIC-Contents role.
Preconditions:	The user has access to New EMCIP portal web page.
Postconditions:	The system displays the correct information to the MS user
Main Success Scenario:	1. The system displays the New EMCIP Member State dash board web page with information about the New EMCIP systems, Investigation reports and information dedicated to all MS users, relevant documents dedicated to all MS users, links with other EMSA and external applications dedicated to MS, news related to maritime safety related issues published on the internet recently and the discussion boards dedicated to all MS.
Extensions:	NA
Frequency of Use:	Several times a day
Priority:	This use case is Mandatory

The “CMS.CU.12 MS user content” inherits from “CMS.CU.13 All MS Content” so all the data available in “CMS.CU.13 All MS Content” will be also available in this use case.

Table 7-10 CMS.CU.12 MS user content

ID:	CMS.CU.12
Title:	MS user content
Description:	This use case enables the visualization of specific portal contents by MS users (beyond MS-BASIC access).
Primary Actor:	A user with MS-RESTRICTED-Contents role.
Preconditions:	The user has access to New EMCIP portal web page.
Postconditions:	The system displays the correct information to the MS user
Main Success Scenario:	1. The system displays the New EMCIP Member State dash board web page with specific portal contents of the New EMCIP systems, Investigation reports and specific information dedicated to the MS users, specific relevant documents dedicated to the MS users, links with other specific EMSA and external applications dedicated to MS users, specific news related to maritime safety related issues published on the internet recently, specific discussion boards dedicated to MS users and own user Calendar with specific events.
Extensions:	NA
Frequency of Use:	Several times a day
Priority:	This use case is Mandatory

The “CMS.CU.10 All EMSA user Contents” use case extends the functionality of the “CMS.CU.08 Content Visualization” when a user with roles (EMSA-BASIC-Contents or EMSA-RESTRICTED-Contents) access to the new EMCIP Portal

Table 7-11 CMS.CU.10 All EMSA user Contents

ID:	CMS.CU.10
Title:	All EMSA Content
Description:	This enables the visualization of portal contents dedicated to EMSA and MS, by all EMSA users.
Primary Actor:	A user with EMSA-BASIC-Contents role.
Preconditions:	The user has access to New EMCIP portal web page.
Postconditions:	The system displays the correct information to the MS user

Main Success Scenario:	1. The system displays the New EMCIP EMSA users dash board web page with information about the New EMCIP systems, Investigation reports and information dedicated to all EMSA users, relevant documents dedicated to all EMSA users, links with other EMSA and external applications dedicated to all EMSA users, news related to maritime safety related issues published on the internet recently and the discussion boards dedicated to all EMSA users.
Extensions:	NA
Frequency of Use:	Several times a day
Priority:	This use case is Mandatory

The “CMS.CU.09 Restricted EMSA Users Contents” inherits from “CMS.CU.10 All EMSA user Contents” so all the data available in “CMS.CU.10 All EMSA user Contents” will be also available in this use case.

Table 7-12 CMS.CU.09 Restricted EMSA Users Contents

ID:	CMS.CU.09
Title:	Restricted EMSA Users Contents
Description:	This enables the visualization of specific portal contents by EMSA users (beyond EMSA-BASIC access).
Primary Actor:	A user with MS-RESTRICTED-Contents role.
Preconditions:	The user has access to New EMCIP portal web page.
Postconditions:	The system displays the correct information to the MS user
Main Success Scenario:	1. The system displays the New EMCIP EMSA dash board web page with specific portal contents of the New EMCIP systems, Investigation reports and specific information dedicated to the EMSA users, specific relevant documents dedicated to the EMSA users, links with other specific EMSA and external applications dedicated to EMSA users, specific news related to maritime safety related issues published on the internet recently, specific discussion boards dedicated to MS and EMSA users and own EMSA user Calendar with specific events.
Extensions:	NA
Frequency of Use:	Several times a day
Priority:	This use case is Mandatory

7.4 DB Analysis

This set of use case describes the new EMCIP features for data analysis (EDB.CU.02 Data Analysis) and investigation analysis (EDB.CU.01 Investigation Analysis). These tools enable the use of analysis and statistical tools in the new EMCIP system.

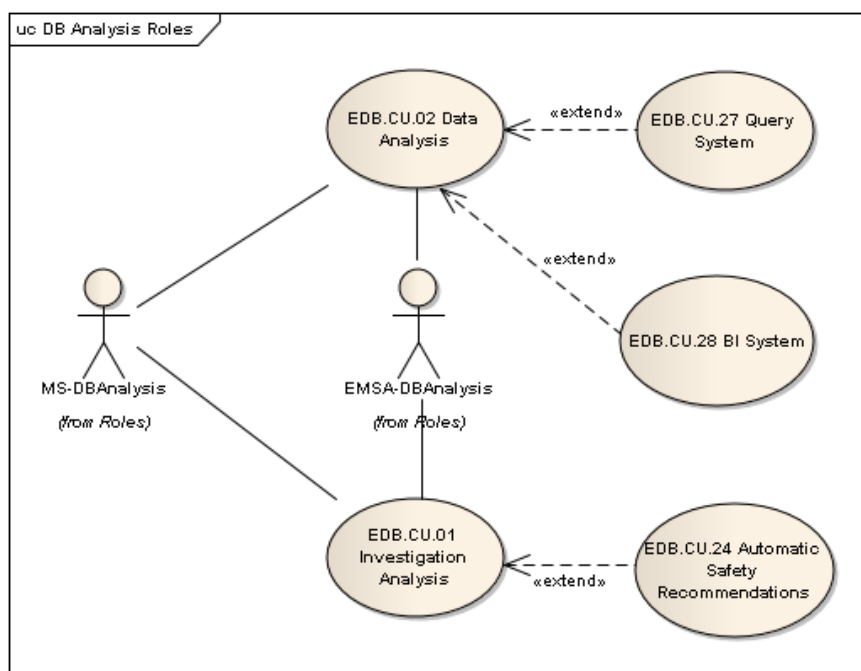


Figure 13 - DB Analysis Use Cases

The following tables describe the use cases represented in the Figure 13 - DB Analysis Use Cases:

Table 7-13 EDB.CU.02 Data Analysis

ID:	EDB.CU.02
Title:	Data Analysis
Description:	This use case enables the analysis of the New EMCIP database data.
Primary Actor:	All users with DB access roles (for option 2a) All users with DBAnalysis roles (for option 2b)
Preconditions:	The user has access to New EMCIP database web page.
Postconditions:	An analysis of the data stored in the New EMCIP database is provided to the user.
Main Success Scenario:	<ol style="list-style-type: none"> 1. The system displays the New EMCIP database main web page with access to the query / filtering system and to access the New EMCIP BI tool. 2. The user chooses one analysis option.
Extensions:	2a The user chooses the search / filtering tool 2a1 The Use case EDB.CU.27 Query System is executed and ends the use case 2b The user chooses the BI System analysis tool 2b1 The Use case EDB.CU.28 BI System is executed and ends the use case
Frequency of Use:	Several times a day

Priority:	This use case is Mandatory
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The “EDB.CU.27 Query System” use case extends the functionality of the “EDB.CU.02 Data Analysis” when a user with roles (MS-DBAnalysis or EMSA-DBAnalysis) chooses the query / filtering analysis tool.

Table 7-14 EDB.CU.27 Query System

ID:	EDB.CU.27
Title:	Query System
Description:	This use case enables searching and filtering the stored data in the new EMCIP database using the search tool or the filtering tool provided by the new EMCIP System.
Primary Actor:	All users having DB access roles.
Preconditions:	The user has access to New EMCIP portal web page.
Postconditions:	The system return the information that match with the user requirements (search and filter)
Main Success Scenario:	<ol style="list-style-type: none"> 1. The user introduces into the system the keyword and filters in the embedded filtering / search tool. 2. The system shows the users the occurrences / investigation reports and trends (graphical mode) that matches with the search & filters criteria.
Extensions:	NA
Frequency of Use:	Several times a day
Priority:	This use case is Mandatory

The “EDB.CU.28 BI System” use case extends the functionality of the “EDB.CU.02 Data Analysis” when a user with roles (MS-DBAnalysis or EMSA-DBAnalysis) chooses the Business Intelligence analysis tool.

Table 7-15 EDB.CU.28 BI System

ID:	EDB.CU.27
Title:	Query System
Description:	This use case enables the analysis of the data stored in the new EMCIP database using the external BI tool provided by EMSA.
Primary Actor:	Any user will DB analysis roles.
Preconditions:	The user has access to New EMCIP portal web page.
Postconditions:	The system provides an advanced analysis of the data selected by the user

Main Success Scenario:	1. The system proposes one of the following options: Create a data analysis template; Fill a data analysis template or Query builder.
Extensions:	<p>1a The user chooses the Create a data analysis template</p> <p>1a1 The system redirect the user to the template creation BI tool</p> <p>1a2 The user creates the new template and save it (providing a name; description and users visibility)</p> <p>1a3 The system stores the template and ends the use case (the template will be available in the BI system for the users).</p> <p>13b The user chooses the Fill data analysis template option</p> <p>1b1 The system displays the list of available templates for the user</p> <p>1b2 The user selects the template to be filled out.</p> <p>1b3 The system asks for the information of the template fields to be filled by the user (Logo, start and end dates, output format (Excel, PDF, MS-Word...), etc...)</p> <p>1b4 The user provides the template information and press the generate button.</p> <p>1b5 The system generate the analysis report with the information provided by the user and the information stored in the database in the format defined by the user.</p> <p>1c The user chooses the Query builder option</p> <p>1c1 The system displays the list of advanced queries for the user</p> <p>1c2a The user selects the new Query option or Edit query option.</p> <p>1c2a1 The system displays the query editor to modify create the query.</p> <p>1c2a2 The user provides a query, a name and a description.</p> <p>1c2a3 The system stores the query and ends the use case.</p> <p>1c2b The user select execute query option</p> <p>1c2b1 The system asks for the information of the query fields to be filled by the user (Start and end dates, output format (Excel, PDF, MS-Word...), etc...)</p> <p>1c2b2 The user provides the query information and press the generate button.</p> <p>1c2b3 The system runs the query with the information provided by the user and the information stored in the database and provides a report in the format defined by the user.</p>
Frequency of Use:	Several times a day
Priority:	This use case is Mandatory

The New EMCIP will contain a tool to help investigator with the analysis of the incident (Time line to represent the events involves in the incident) as indicated in the IMO resolution A.1075 (28). More than one ship could be assigned to the same casualty event (so more than one timeline could be represented). This tool will use the drag and drop paradigm to include information to the chart, a minimum set of information will be asked in the moment of dropping each element of the chart. When double click any element, a form will be displayed (reporting tab) with the fields to be

filled. The following tables describe how the user will use the Investigation analysis tool of the New EMCIP:

Table 7-16 EDB.CU.01 Investigation Analysis

ID:	EDB.CU.01
Title:	Investigation Analysis
Description:	This use case enables the analysis of the maritime Marine Casualty investigations using a dedicated visual tool provided by the New EMCIP.
Primary Actor:	A user with DB reporting roles.
Preconditions:	The user has access to New EMCIP Investigation analysis tool.
Postconditions:	An analysis of the maritime incident done by the user is stored in the New EMCIP database.
Main Success Scenario:	<ol style="list-style-type: none"> 1. The user selects the Incident analysis perspective from the New EMCIP system. 2. The systems display the investigation tree with the same structure as Annex I of Directive in the left part of the screen and a work area in the remaining part of the screen. 3. The user drags and drops the main accident investigation into the work area (Casualty events, Accidental events; contribute factors, ships, conclusions, Extra datasheets, etc...) define the relationships between the elements in a graphical way and provides the main information of the included elements. 4. The system suggests the elements to add in the analysis tool (Ex. Create a Casualty Event and suggest linking to an accidental event) and include additional information from other EMSA systems (like SSN, CSN, Thetis, etc...). 5. The users submit the information provided in the analysis tool 6. The system displays, in a visual way over the investigation chart, those elements with wrong information (or not completed) and those elements that are completed
Extensions:	<p>5a The user chooses the propose safety recommendations option.</p> <p>5a1 The EDB.CU.24 Automatic Safety Recommendations use case is executed</p>
Frequency of Use:	Few times a day
Priority:	This use case is Mandatory

The “EDB.CU.28 BI System” use case extends the functionality of the “EDB.CU.02 Data Analysis” when a user with roles (MS-DBAnalysis or EMSA-DBAnalysis) chooses the Business Intelligence analysis tool.

Table 7-17 EDB.CU.24 Recommendations selection aid

ID:	EDB.CU.24
Title:	Recommendations selection aid
Description:	Visual tool to include safety recommendations in the ECFA charts
Primary Actor:	All users with DB reporting roles.
Preconditions:	An investigation chart is done by the user.
Postconditions:	Safety recommendations included in the chart.
Main Success Scenario:	<ol style="list-style-type: none"> 1. The user places a safety recommendation over a (or more than one) contributing factor or accident event or accidental event in a visual way, so the user has the opportunity to appreciate how this recommendation will contribute in avoiding similar casualties to happen again 2. New EMCIP will ask the user for the confirmation to store the safety recommendation in the database. 3. The user accepts or rejects the confirmation to store the proposed safety recommendations in the database.
Extensions:	NA
Frequency of Use:	Few times a day
Priority:	This use case is Mandatory

7.5 DB Management

This set of use cases defines the operations that the users can do over the New EMCIP occurrences stored in the database. The use cases defined in this scenario can be divided in three main groups:

- All roles use cases: The uses case of this group can be executed by any user with one of the following role: AUTH-DBReporting, AUTH-DBAnalysis, AUTH-DBManagement, MS-DBManagement, MS-DBAnalysis, MS-DBReporting, EMSA-DBAnalysis, EMSA-DBVerification and EMSA-DBManagement.
- AIB roles use cases: The use cases that belong to this group are those use cases that can only be executed by AIB users: AUTH-DBReporting, AUTH-DBAnalysis, AUTH-DBManagement, MS-DBManagement, MS-DBAnalysis and MS-DBReporting.
- EMSA roles use cases: The use cases that belong to this group are those use cases that can only be executed by EMSA staff users: EMSA-DBAnalysis, EMSA-DBVerification and EMSA-DBManagement.

The following figure represents all data base management scenario use cases and the association of the different New EMCIP user roles with the use cases that compose the scenario.

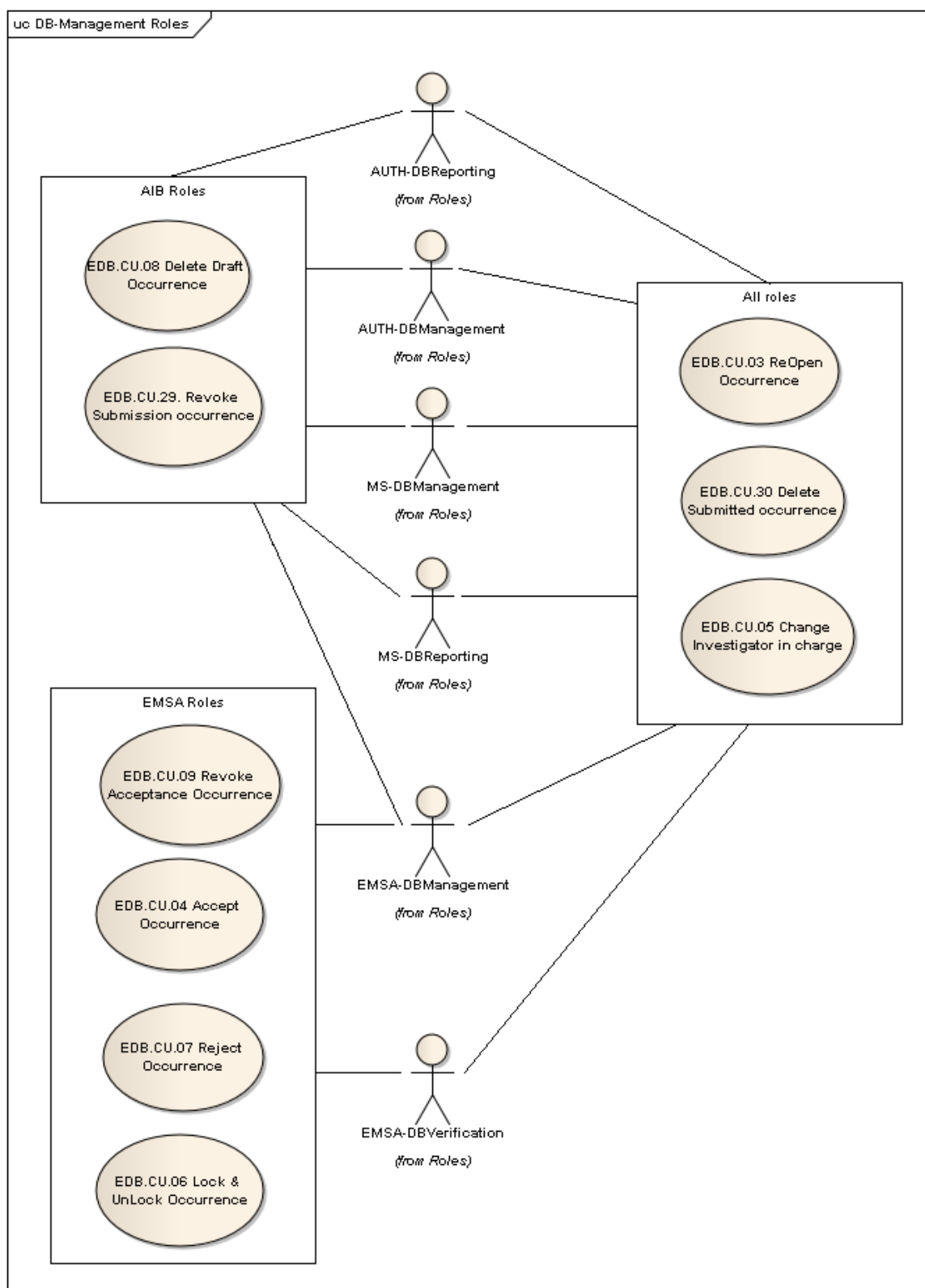


Figure 14 - DB management Use Cases

All management activities raise automatic notifications (via e-mail or through system's dashboard) to interested authorities:

- Organizations which pertain to Flag Sates
- Coastal States

- Subst. Interested States.

The following tables describe the use cases represented in the Figure 14 - DB management Use Cases:

Table 7-18 EDB.CU.03 ReOpen Occurrence

ID:	EDB.CU.03
Title:	ReOpen Occurrence
Description:	This use case enables the user to reopen a closed occurrence stored in the New EMCIP database.
Primary Actor:	A user with AUTH-DBReporting, AUTH-DBManagement, MS-DBManagement, MS-DBReporting, EMSA-DBVerification or EMSA-DBManagement role.
Preconditions:	The user has selected an occurrence stored in the new EMCIP system with one of the following status: Submitted, Deleted or Accepted.
Postconditions:	The occurrence changes to Reopened status.
Main Success Scenario:	<ol style="list-style-type: none"> 1. The user chooses the reopen option from the selected occurrence menu. 2. The system asks the user for the cause of the occurrence re-opening. 3. The user introduces the causes of the reopening occurrence into the systems and press the accept button. 4. The system stores the current occurrence in the occurrence history table and updates the status of the occurrence to Re-opened. 5. The system sends notifications of the new status of the occurrence via e-mail and/or through an announcement on the user's dashboard to the relevant users.
Extensions:	<p>1a The user selects more than one occurrence from the list of closed occurrences</p> <p>1a1 The system asks the user for the cause of the occurrences re-opening.</p> <p>1a2 The user introduces the causes of the reopening occurrences into the systems and press the accept button.</p> <p>1a3 The system stores the selected occurrences in the occurrence history table and updates the status of the selected occurrences to Re-opened.</p> <p>1a4 The system sends notifications of the new status of the selected occurrences via e-mail and/or through an announcement on the user's dashboard to the relevant users, and the current use case ends</p> <p>3a The user press cancel button</p> <p>3a1 The system logs the user action and revert all the changes in the occurrence</p>

Frequency of Use:	Few times a week
Priority:	This use case is Mandatory

Table 7-19 EDB.CU.30 Delete Submitted occurrence

ID:	EDB.CU.30
Title:	Delete Submitted occurrence
Description:	This use case enables the user to delete a submitted occurrence stored in the New EMCIP database.
Primary Actor:	A user with AUTH-DBReporting, AUTH-DBManagement, MS-DBManagement, MS-DBReporting, EMSA-DBVerification or EMSA-DBManagement role.
Preconditions:	The user has selected an occurrence stored in the new EMCIP system with one of the following status: Submitted, ToBeReviewed or Accepted, evaluating (EMSA only).
Postconditions:	The occurrence changes to Deleted status.
Main Success Scenario:	<ol style="list-style-type: none"> 1. The user chooses the delete option from the selected occurrence menu. 2. The system asks the user for the cause of the occurrence deleting. 3. The user introduces the causes of the deleting occurrence into the systems and press the accept button. 4. The system stores the current occurrence in the occurrence history table and updates the status of the occurrence to Deleted. The deleted status occurrences will be not displayed be default in the New EMCIP database dashboard. 5. The system sends notifications of the new status of the occurrence via e-mail and/or through an announcement on the user's dashboard to the relevant users.

Extensions:	<p>1a The user selects more than one occurrence from the occurrences list</p> <p>1a1 The system asks the user for the cause of the selected occurrences deleting.</p> <p>1a2 The user introduces the causes of the deleting of the selected occurrences into the systems and press the accept button.</p> <p>1a3 The system stores the selected occurrences in the occurrence history table and updates the status of the selected occurrences to deleted.</p> <p>1a4 The system sends notifications of the new status of the selected occurrences via e-mail and/or through an announcement on the user's dashboard to the relevant users, and the current use case ends</p> <p>3a The user press cancel button</p> <p>3a1 The system logs the user action and revert all the changes in the occurrence</p>
Frequency of Use:	Few times a week
Priority:	This use case is Mandatory

Table 7-20 EDB.CU.05 Change Investigator in charge

ID:	EDB.CU.05
Title:	Change Investigator in charge
Description:	This use case enables the user to change the investigator in charge of a occurrence stored in the New EMCIP database.
Primary Actor:	A user with AUTH-DBReporting, AUTH-DBManagement, MS-DBManagement, MS-DBReporting, EMSA-DBVerification or EMSA-DBManagement role.
Preconditions:	The user has selected an occurrence stored in the new EMCIP system.
Postconditions:	The occurrence changes the investigator in charge.
Main Success Scenario:	<ol style="list-style-type: none"> 1. The user chooses the change investigator in charge option from the selected occurrence menu. 2. The system displays the list of potential investigators to be in charge of the occurrence. 3. The selects the one of the investigator from the list and press the accept button. 4. The system stores the current occurrence in the occurrence history table and updates the investigator in charge of the occurrence. 5. The system sends notifications of the new investigator in charge of the occurrence to via e-mail and/or through an announcement on the user's dashboard to the relevant users and to the new Investigator in charge.

Extensions:	<p>1a The user selects more than one occurrence from the occurrences list and a new investigator of char from the list of the users (same organization).</p> <p>1a1 The system asks the user for the cause of changing the investigator in charge for the selected occurrences.</p> <p>1a2 The user introduces the causes and press the accept button.</p> <p>1a3 The system stores the selected occurrences in the occurrence history table and updates the investigator in charge of the selected occurrences.</p> <p>1a4 The system sends notifications of the new investigator in charge of the selected occurrences to via e-mail and/or through an announcement on the user's dashboard to the relevant users and to the new Investigator in charge. The current use case ends.</p> <p>3a The user press cancel button</p> <p>3a1 The system logs the user action and revert all the changes in the occurrence</p>
Frequency of Use:	Few times a year
Priority:	This use case is Mandatory

Table 7-21 EDB.CU.08 Delete Draft Occurrence

ID:	EDB.CU.08
Title:	Delete Draft Occurrence
Description:	This use case enables the user to delete a draft occurrence stored in the New EMCIP database.
Primary Actor:	A user with AUTH-DBReporting, AUTH-DBManagement, MS-DBManagement , MS-DBReporting role, EMSA-DB Managment
Preconditions:	The user has selected an occurrence stored in the new EMCIP system with Draft status.
Postconditions:	The occurrence is deleted from the system.
Main Success Scenario:	<ol style="list-style-type: none"> 1. The user chooses the delete option from the selected occurrence menu. 2. The system asks the user for the cause of the occurrence deleting. 3. The user introduces the causes of the deleting occurrence into the system and press the accept button. 4. The system stores the current occurrence in the occurrence history table and deleted the occurrence from the system.
Extensions:	<p>3a The user press cancel button</p> <p>3a1 The system logs the user action and revert all the changes in the occurrence</p>

Frequency of Use:	Few times a month
Priority:	This use case is Mandatory

Table 7-22 EDB.CU.29. Revoke Submission occurrence

ID:	EDB.CU.29.
Title:	Revoke Submission occurrence
Description:	This use case enables the user to revoke the submission of an occurrence stored in the New EMCIP database.
Primary Actor:	A user with AUTH-DBReporting, AUTH-DBManagement, MS-DBManagement or MS-DBReporting role and EMSA-DB Management.
Preconditions:	The user has selected an occurrence stored in the new EMCIP system with Proposed status.
Postconditions:	The occurrence change to Draft status.
Main Success Scenario:	<ol style="list-style-type: none"> 1. The user chooses the Revoke option from the selected occurrence menu. 2. The system asks the user for the cause of the revocation of the submission of the occurrence. 3. The user introduces the causes of the revocation of the submission of the occurrence into the system and press the accept button. 4. The system stores the current occurrence in the occurrence history table and changes the status of the occurrence to Draft. 5. The system sends notifications of the new status of the occurrence via e-mail and/or through an announcement on the user's dashboard to the relevant users
Extensions:	3a The user press cancel button 3a1 The system logs the user action and revert all the changes in the occurrence
Frequency of Use:	Few times a month
Priority:	This use case is Mandatory

Table 7-23 EDB.CU.09 Revoke Acceptance Occurrence

ID:	EDB.CU.09.
Title:	Revoke Acceptance Occurrence
Description:	This use case enables the user to revoke the acceptance of a submitted occurrence stored in the New EMCIP database.
Primary Actor:	A user with EMSA-DBVerification or EMSA-DBManagement role.

Preconditions:	The user has selected an occurrence stored in the new EMCIP system with Accepted or to be reviewed status.
Postconditions:	The occurrence change to Evaluating status.
Main Success Scenario:	<ol style="list-style-type: none"> 1. The user chooses the Revoke option from the selected occurrence menu. 2. The system asks the user for the cause of the revocation of the acceptance of the occurrence. 3. The user introduces the causes of the revocation of the acceptance of the occurrence into the system and press the accept button. 4. The system stores the current occurrence in the occurrence history table and changes the status of the occurrence to Evaluating. 5. The system sends notifications of the new status of the occurrence via e-mail and/or through an announcement on the user's dashboard to the relevant users
Extensions:	3a The user press cancel button 3a1 The system logs the user action and revert all the changes in the occurrence
Frequency of Use:	Few times a month
Priority:	This use case is Mandatory

Table 7-24 EDB.CU.04 Accept Occurrence

ID:	EDB.CU.04.
Title:	Accept Occurrence
Description:	This use case enables the user to accept a submitted occurrence stored in the New EMCIP database.
Primary Actor:	A user with EMSA-DBVerification or EMSA-DBManagement role.
Preconditions:	The user has selected an occurrence stored in the new EMCIP system with Evaluating status.
Postconditions:	The occurrence change to Accepted status.

Main Success Scenario:	<ol style="list-style-type: none"> 1. The user chooses the Accept option from the selected occurrence menu. 2. The system asks the user for the cause of the acceptance of the occurrence. 3. The user introduces the causes of the acceptance of the submitted occurrence into the system and press the accept button. 4. The system stores the current occurrence in the occurrence history table and changes the status of the occurrence to Accepted. 5. The system sends notifications of the new status of the occurrence via e-mail and/or through an announcement on the user's dashboard to the relevant users
Extensions:	3a The user press cancel button 3a1 The system logs the user action and revert all the changes in the occurrence
Frequency of Use:	Many times a month
Priority:	This use case is Mandatory

Table 7-25 EDB.CU.07 Reject Occurrence

ID:	EDB.CU.07.
Title:	Reject Occurrence
Description:	This use case enables the user to reject a submitted occurrence stored in the New EMCIP database.
Primary Actor:	A user with EMSA-DBAnalysis, EMSA-DBVerification or EMSA-DBManagement role.
Preconditions:	The user has selected an occurrence stored in the new EMCIP system with Evaluating status.
Postconditions:	The occurrence change to ToBeReviewed status.
Main Success Scenario:	<ol style="list-style-type: none"> 1. The user chooses the reject option from the selected occurrence menu. 2. The system asks the user for the cause of the rejection of the occurrence. 3. The user introduces the causes of the rejection of the submitted occurrence into the system and press the accept button. 4. The system stores the current occurrence in the occurrence history table and changes the status of the occurrence to ToBeReviewed. 5. The system sends notifications of the new status of the occurrence via e-mail and/or through an announcement on the user's dashboard to the relevant users

Extensions:	3a The user press cancel button 3a1 The system logs the user action and revert all the changes in the occurrence
Frequency of Use:	Many times a month
Priority:	This use case is Mandatory

Table 7-26 EDB.CU.06 Lock & UnLock Occurrence

ID:	EDB.CU.06.
Title:	Lock & UnLock Occurrence
Description:	This use case enables the EMSA manager to Lock a submitted occurrence stored in the New EMCIP database before start the evaluating process and to unlock the occurrence after its evaluation.
Primary Actor:	A user with EMSA-DBVerification or EMSA-DBManagement role.
Preconditions:	The user has selected an occurrence stored in the new EMCIP system with Proposed status.
Postconditions:	The occurrence is locked / Unlocked.
Main Success Scenario:	<p>1 EMSA user lock the occurrence which becomes status “Locked”</p> <p>2 The system asks the user for the cause of the locking of the occurrence.</p> <p>3 The user introduces the causes of the locking of the occurrence into the system and press the accept button.</p> <p>4 The system stores the current occurrence in the occurrence history table and changes the status of the occurrence to Evaluating.</p> <p>5 The system invokes use case EDB.CU.04 Accept Occurrence if the user accepts the occurrence or use case EDB.CU.07 Accept Occurrence if the user rejects the occurrence,</p>
Extensions:	<p>5a The user discards the occurrence from acceptance,</p> <p>5a1 The system stores the current occurrence in the occurrence history.</p> <p>5a2 The system will unlock the occurrence and set the occurrence to status “Proposed”.</p>
Frequency of Use:	Many times a month
Priority:	This use case is Mandatory

7.6 DB Reporting

The uses cases of this scenario describe the different ways of create / Edit and submit an occurrence into the New EMCIP data base. The Figure bellow represents the use cases of the New EMCIP database reporting scenario with the associated user roles:

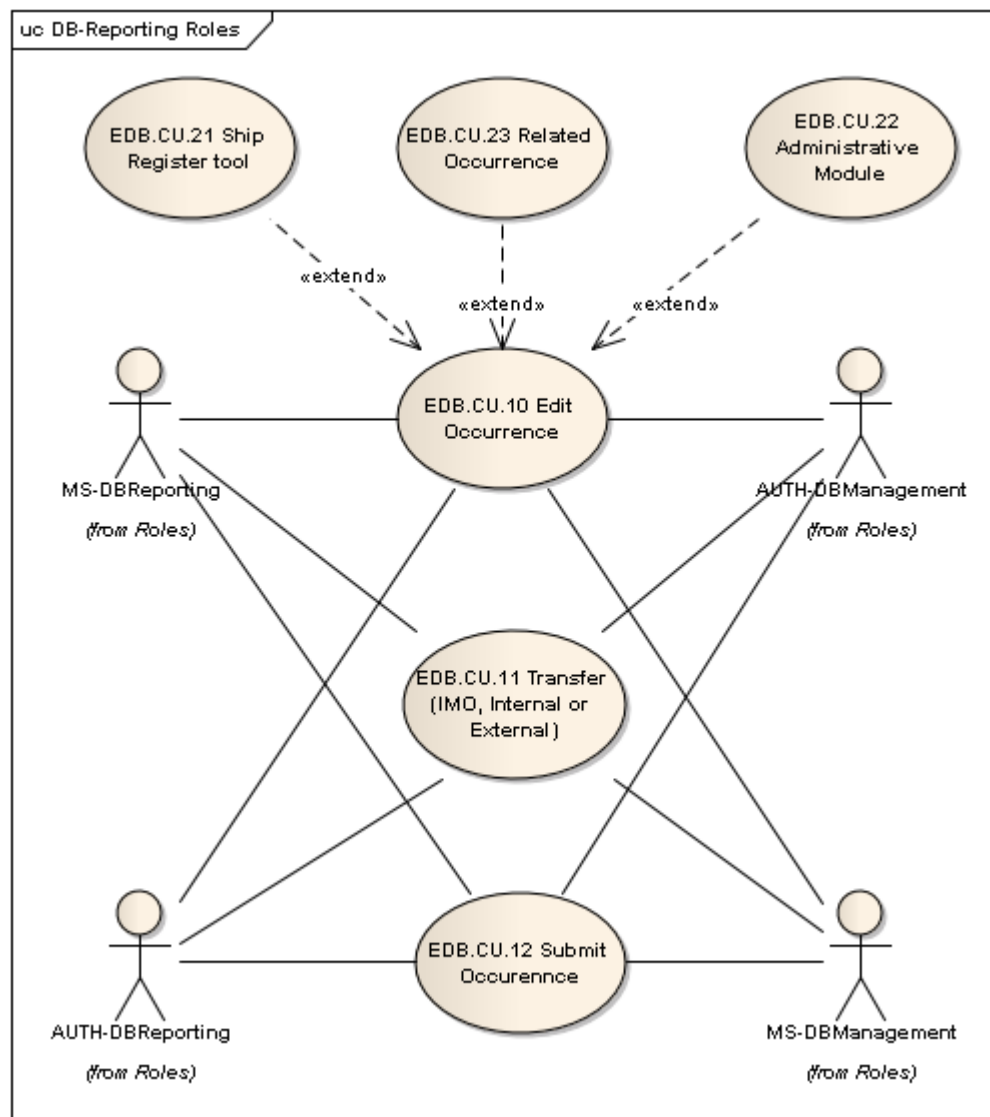


Figure 15 - DB reporting Use Cases

The following tables describe the use cases represented in the Figure 15 - DB reporting Use Cases:

Table 7-27 EDB.CU.10 Edit Occurrence

ID:	EDB.CU.10
Title:	Edit Occurrence
Description:	This use case enables the user to Create / Edit a new occurrence in the New EMCIP Database.
Primary Actor:	A user with AUTH-DBReporting, AUTH-DBManagement, MS-DBManagement, MS-DBReporting role.

Preconditions:	The user has access to the New EMCIP application.
Postconditions:	An occurrence is created / modifies in the new EMCIP system.
Main Success Scenario:	<ol style="list-style-type: none"> 1. The user chooses new occurrence from the main menu. 2. The system asks the user for the reporting mode (analysis tool or tabular form). 3. The user provides additional information to the occurrence 4. The user press the save button 5. The systems stores the current occurrence in the occurrence history table and updates the status of the occurrence to Re-opened
Extensions:	<p>2a The user select analysis toll</p> <p>2a1 The use case EDB.CU.01 Investigation Analysis is executed and go to next step</p> <p>2b The user selects a tabular form mode</p> <p>2b1 The system displays a tabular form following the structure of the investigation report as indicated in the Annex I of Directive 2009/18. All mandatory fields will be identified in a visual way. All the fields will contain visual tooltips</p> <p>2b2 The user notify the occurrence with the possibility to notify something out of scope directive Ex. Fishing vessel (minor case). The nature of occurrence (occupational accident / ship Casualty) can be changed at any time</p> <p>2b3 The system performs quality control scripts for data filling (Ex. No pollution, the pollution is filled with 0 tons.) go to next step</p> <p>3a The user provides information of the ship involved in the occurrence</p> <p>3a1 The use case “EDB.CU.21 Ship Register tool” is executed go to next step</p> <p>3b The user provides information of related occurrences</p> <p>3b1 The use case “EDB.CU.23 Related Occurrence” is executed go to next step</p> <p>3c The user provides private data for the organization in charge (data, etc., contacts, investigation team, evidences of the investigation)</p> <p>3c1 The use case “EDB.CU.22 Administrative Module” is executed go to next step</p>
Frequency of Use:	Several times a day
Priority:	This use case is Mandatory

The “EDB.CU.21 Ship Register tool” use case extends the functionality of the “EDB.CU.10 Edit Occurrence” when a user selects the vessel/s involved in the occurrence.

Table 7-28 EDB.CU.21 Ship Register tool

ID:	EDB.CU.10
Title:	Edit Occurrence
Description:	This use case enables the user to Create / Edit a new occurrence in the New EMCIP Database.
Primary Actor:	A user with AUTH-DBReporting, AUTH-DBManagement, MS-DBManagement, MS-DBReporting role.
Preconditions:	The user has access to the New EMCIP application and is filling the vessel information of an occurrence.
Postconditions:	A ship (or more than one ship) is assigned to an occurrence.
Main Success Scenario:	<ol style="list-style-type: none"> 1. The user types the IMO number of the vessel to assign the occurrence. 2. The system fills automatically all the vessel fields of the occurrence with the information of the New EMCIP internal vessel register. 3. The user modified (if necessary) the vessel information
Extensions:	<p>1a The user select the search ship option</p> <p>1a1 The system displays the advanced search vessel form</p> <p>1a2 The user introduces the search vessel criteria</p> <p>1a3 The system displays the information of the vessels of the internal and external register that matches the criteria provided by the user</p> <p>1a4 The user selects the desired vessel and go to next step</p> <p>2a The user select external ship register option</p> <p>2a1 The system fills automatically all the vessel fields of the occurrence with the information of the New EMCIP internal vessel register and goes to next step.</p>
Frequency of Use:	Few times a day
Priority:	This use case is Mandatory

The “EDB.CU.23 Related Occurrence” use case extends the functionality of the “EDB.CU.10 Edit Occurrence” when a user if creating / Editing an occurrence and selects the related occurrences option.

Table 7-29 EDB.CU.23 Related Occurrence

ID:	EDB.CU.23
Title:	Related Occurrence
Description:	This use case allows the user to include related occurrences to an existing one.

Primary Actor:	A user with AUTH-DBReporting, AUTH-DBManagement, MS-DBManagement or MS-DBReporting role.
Preconditions:	The user has access to the New EMCIP application and has selected the related occurrences option from the occurrence menu.
Postconditions:	An occurrence (or more than one occurrence) is assigned to the occurrence.
Main Success Scenario:	<ol style="list-style-type: none"> 1. The system displays all the occurrences with visibility for the user. 2. The user selects the related occurrences and press view button. 3. The system shows the information of the related occurrence 4. The select occurrence information to be of included in the new occurrence (Ex. Same weather condition, Same Ship, etc...) and press add button. 5. The system includes the selected information in the new occurrence
Extensions:	NA
Frequency of Use:	Few times a day
Priority:	This use case is Mandatory

The “EDB.CU.22 Administrative Module” use case extends the functionality of the “EDB.CU.10 Edit Occurrence” when a user if creating / Editing an occurrence and selects the administrative module option.

Table 7-30 EDB.CU.22 Administrative Module

ID:	EDB.CU.22
Title:	Administrative Module
Description:	This use case allows the user to include additional information (video and audio files, declarations, evidences, etc...).
Primary Actor:	A user with AUTH-DBReporting, AUTH-DBManagement, MS-DBManagement MS-DBReporting role.
Preconditions:	The user has access to the New EMCIP application and has selected administrative module option from the occurrence menu.
Postconditions:	Private data for the organization is assigned to the occurrence.
Main Success Scenario:	<ol style="list-style-type: none"> 1. The system displays Administrative module web page with all the Private data for the organization. 2. The user upload investigation team, evidences of the investigation, etc documents. 3. The system associate the documents of step 2 to the occurrence, protected them(encrypted ...) and makes them visible only for those users that creates the occurrence

Extensions:	NA
Frequency of Use:	Few times a day
Priority:	This use case is Mandatory

Table 7-31 EDB.CU.11 Transfer (IMO, Internal or External)

ID:	EDB.CU.11
Title:	Transfer (IMO, Internal or External)
Description:	This use case allows the user to include related occurrences to an existing one.
Primary Actor:	A user with AUTH-DBReporting, AUTH-DBManagement, MS-DBManagement, MS-DBReporting role.
Preconditions:	The user has access to the New EMCIP application and has selected Transfer option from the occurrence menu.
Postconditions:	Occurrence transferred (to other investigator or to IMO).
Main Success Scenario:	<ol style="list-style-type: none"> 1. The system displays all the occurrences the user is in charge. 2. The user selects the occurrence to be transferred and select the type of transfer. 3. The systems transfer the occurrence
Extensions:	<p>2a The user select Internal transfer</p> <p>2a1 The system displays the list of user of the same organization</p> <p>2a2 The user selects the user to transfer the occurrence and press accept button</p> <p>2a3 The system transfer the occurrence to the selected user and send a notification (Alternatively, the user will be notified through its dashboard that an occurrence was transferred to its organization)</p> <p>2b The use selects external transfer</p> <p>2b1 The system shows all organization available to transfer the occurrence</p> <p>2b2 The user selects the organization to transfer the occurrence and press accept button.</p> <p>2b3 The system transfer the occurrence to the Administrator of the organization.</p> <p>2c The user selects IMO transfer</p> <p>2c1 The system checks the validation rules</p> <p>2c1a The occurrence pass all validation rules</p> <p>2c1a1 The system transfer the occurrence to IMO using secured web services</p> <p>2c1b The occurrence do not pass the validation rules</p> <p>2c1b1 The system alert the user of the occurrence fields that are not compliant with the validation rules</p>

Frequency of Use:	Few times a month
Priority:	This use case is Mandatory

Table 7-32 EDB.CU.12 Submit Occurrence

ID:	EDB.CU.12
Title:	Submit Occurrence
Description:	This use case allows the user to submit an occurrence.
Primary Actor:	A user with AUTH-DBReporting, AUTH-DBManagement, MS-DBManagement or MS-DBReporting role.
Preconditions:	The user has selected an occurrence stored in the new EMCIP system with Draft status.
Postconditions:	The occurrence change to Proposed status (if contains investigation data) or Submitted status.
Main Success Scenario:	<ol style="list-style-type: none"> 1. The user chooses the submit option from the selected occurrence menu. 2. The system validates the occurrence data against the validation rules. 3. The user introduces the causes of the submission of the occurrence into the system and press the accept button. 4. The system stores the current occurrence in the occurrence history table and changes the status of the occurrence to Submitted or Proposed.
Extensions:	<p>2a The occurrence pass all validation rules</p> <p>2a1 The system displays warning messages (not blocking) or Information (Ok messages of the rule) and go to step 3</p> <p>2b The occurrence does not pass the validation error (blocking submission);</p> <p>2b1 The system alert the user of the occurrence fields that are not compliant with the validation rules and exit the use case</p> <p>3a The user press cancel button</p> <p>3a1 The system logs the user action and revert all the changes in the occurrence</p>
Frequency of Use:	Many times a month
Priority:	This use case is Mandatory

7.7 DB Verification

This scenario includes all the management task of the New EMCIP data base (Workflow, Taxonomy and Verification rules management). The figure bellow represents the use cases included in the scenario and the association with the user roles:

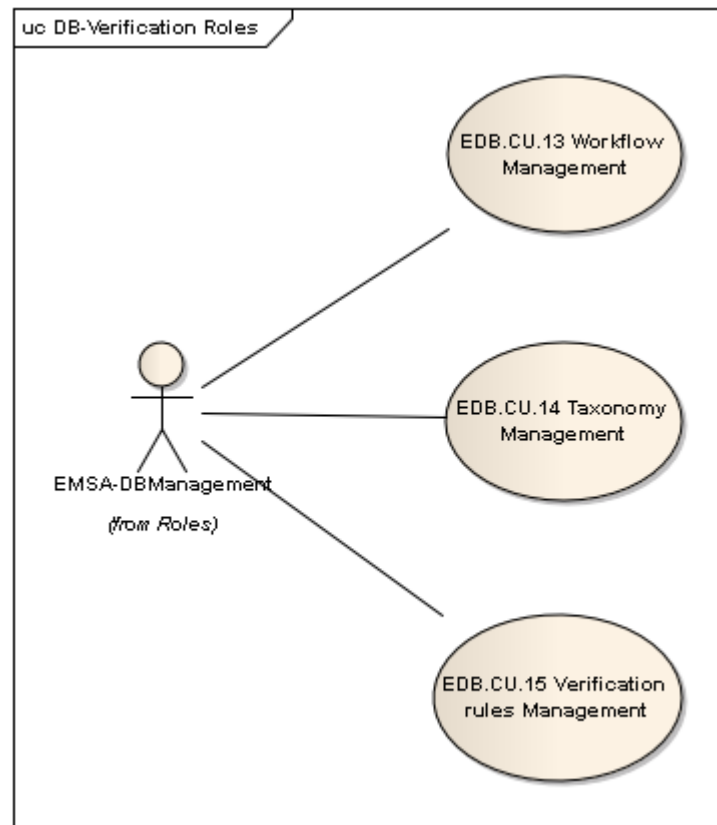


Figure 16 - DB Verification Use Cases

The following tables describe the use cases represented in the Figure 15 - DB reporting Use Cases:

Table 7-33 EDB.CU.13 Workflow Management

ID:	EDB.CU.13
Title:	Workflow Management
Description:	This use case enables the user to Create / Edit the workflow of the occurrence status in the New EMCIP database.
Primary Actor:	A user with EMSA-DBManager role.
Preconditions:	The user is logged in New EMCIP database sub-system and is in the administration screen.
Postconditions:	The workflow of the occurrence status changes.

Main Success Scenario:	<ol style="list-style-type: none"> 1. The user chooses Workflow management from the administration menu. 2. The system shows the graphical workflow designer. 3. The user defines the workflow (status transitions, roles assignment and notifications) of the occurrence and press the save button 4. The systems stores the current workflow in the system
Extensions:	<p>2a The user uses an existing XML file for the workflow definition</p> <p>2a1 The system asks the user to upload the XML file and checks its validity</p> <p>2a1a The XML file is valid</p> <p>2a2a1 The system generates the workflow and goes to step 4.</p> <p>2a1b The XML file is not valid</p> <p>2a1b1 The system alerts the user and goes to step 2</p>
Frequency of Use:	Few times a year
Priority:	This use case is Mandatory

Table 7-34 EDB.CU.14 Taxonomy Management

ID:	EDB.CU.14
Title:	Taxonomy Management
Description:	This use case enables the user to modify the taxonomy of the new EMCIP database.
Primary Actor:	A user with EMSA-DBManager role.
Preconditions:	The user is logged in New EMCIP database sub-system and is in the administration screen.
Postconditions:	The New EMCIP database taxonomy changes.
Main Success Scenario:	<ol style="list-style-type: none"> 1. The user chooses Taxonomy management from the administration menu. 2. The system shows all the field of the taxonomy. 3. The user create / modify the taxonomy fields (Mandatory Fields, Visual Tooltips, Field alias, Data Filling scripts, positioning, type, name , description, etc..) and press the save button 4. The systems stores the taxonomy in the system
Extensions:	<p>2a The user uses an existing XML file for the taxonomy definition</p> <p>2a1 The system asks the user to upload the XML file and checks its validity</p> <p>2a1a The XML file is valid</p> <p>2a2a1 The system generates the new taxonomy and goes to step 4.</p> <p>2a1b The XML file is not valid</p> <p>2a1b1 The system alerts the user and goes to step 2</p>

Frequency of Use:	Few times a year
Priority:	This use case is Mandatory

Table 7-35 EDB.CU.15 Verification rules Management

ID:	EDB.CU.15
Title:	Verification rules Management
Description:	This use case enables the user to define the verification rules of all the fields of the new EMCIP database.
Primary Actor:	A user with EMSA-DBManager role.
Preconditions:	The user is logged in New EMCIP database sub-system and is in the administration screen.
Postconditions:	The New EMCIP verification rules changes.
Main Success Scenario:	<ol style="list-style-type: none"> 1. The user chooses Verification rules management from the administration menu. 2. The system shows all the existing verification rules. 3. The user create / modify the verification rules (Mandatory Fields, validation scripts, types and range, etc..) and press the save button 4. The systems stores the verification rules in the system
Extensions:	<p>2a The user uses an existing XML file for the verification rules definition</p> <p>2a1 The system asks the user to upload the XML file and checks its validity</p> <p>2a1a The XML file is valid</p> <p>2a2a1 The system generates the verification rules and goes to step 4.</p> <p>2a1b The XML file is not valid</p> <p>2a1b1 The system alerts the user and goes to step 2</p>
Frequency of Use:	Few times a year
Priority:	This use case is Mandatory

7.8 DB Visualization

This scenario describes the visualization of the occurrences stored in the New EMCIP database subsystem. This scenario includes a main use case that include the functionality of displaying the New EMCIP database data and Investigation reports, two more use case that specialised the functionality of the main use case and a use case that extend the visualization functionality representing the New EMCIP database data in a GIS.

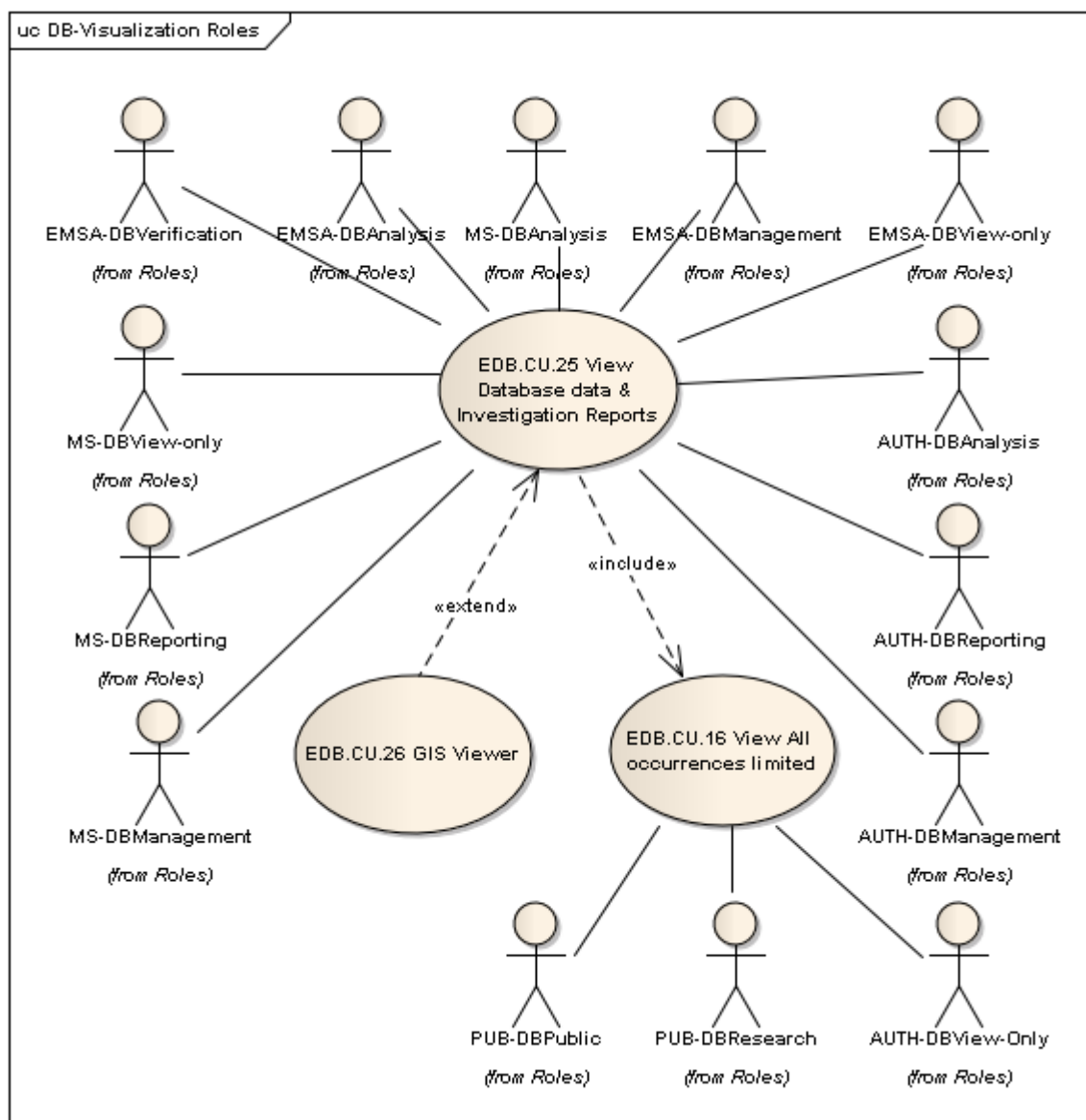


Figure 17 - DB Visualization Use Cases

The following tables describe the use cases represented in the Figure 17 - DB Visualization Use Cases:

The “EDB.CU.25 View Database data & Investigation Reports” is the main use case and defines the way the New EMCIP database information and investigation reports are displayed in the user interface following the most recent web standards

Table 7-36 EDB.CU.25 View Database data & Investigation Reports

ID:	EDB.CU.25
Title:	View Database data & Investigation Reports
Description:	This use case enables the visualization of all New EMCIP database data and investigation reports.
Primary Actor:	A user with AUTH-DBManagement, AUTH-DBReporting, AUTH—DBAnalysis, AUTH-DBView-only, MS-DBManagement, MS-DBReporting, MS-DBAnalysis, MS-DBView-only, EMSA-DBManagement, EMSA-DBVerification, EMSA-DBAnalysis or EMCIP-DBView-only role.
Preconditions:	The user is logged in New EMCIP database sub-system and is in the main screen.
Postconditions:	All Database data & Investigation Reports are available for the user interface. Different rules are applied (specially for AUTH users) depending upon the country of the user and the country of the data originator
Main Success Scenario:	<ol style="list-style-type: none"> 1. The system shows All Database data & Investigation Reports. 2. The system calls the “EDB.CU.16 View All occurrences limited” use case
Extensions:	<p>1a The user has a MS-DBManagement or MS-DBReporting role</p> <p>1a1 The system displays:</p> <ul style="list-style-type: none"> • All accepted occurrences • The occurrences where the user is interested authority with status (Draft, Submitted, Proposed, Evaluating, Accepted, ToBeReviewed or Re-opened). • The deleted occurrences of its own organization <p>1b The user has a MS-DBView-only or EMCIP-DBView-only role</p> <p>1b1 The system displays occurrences with status submitted or accepted</p> <p>1c The user has a AUTH-DBManagement or MS-AUTHReporting role</p> <p>1c1 The system displays all occurrences of the organization where the user belongs</p> <p>1d The user has a AUTH—DBAnalysis role</p> <p>1d1 The system displays all occurrences of the organization where the user belongs with status submitted or accepted</p>
Frequency of Use:	Many times a day
Priority:	This use case is Mandatory

The “EDB.CU.16 View All occurrences limited” extend the functionality of the “EDB.CU.25 View Database data & Investigation Reports” displaying limited information of the occurrences stored in the New EMCIP database.

Table 7-37 EDB.CU.16 View All occurrences limited

ID:	EDB.CU.16
Title:	View All occurrences limited
Description:	This use case enables the visualization of Notification data from EMCIP - Information from the EMCIP database, equivalent to the EU Directive 2009/18/EC Annex II, limited to only point 4-6, 13-31. Data resulting from the safety investigations - Limited to the notification data and the final investigation report.
Primary Actor:	A user with AUTH-DBManagement, AUTH-DBReporting, AUTH-DBAnalysis, AUTH-DBView-only, EMSA-DBManagement, EMSA-DBVerification, EMSA-DBAnalysis, EMCIP-DBView-only, PUB-DBPublic or PUB-DBResearch.
Preconditions:	The user is logged in New EMCIP database sub-system and is in the main screen.
Postconditions:	All Database data & Investigation Reports are available for the user interface. Different rules are applied (especially for AUTH users) depending upon the country of the user and the country of the data originator.
Main Success Scenario:	1. The system shows Notification data from EMCIP - Information from the EMCIP database, equivalent to the EU Directive 2009/18/EC Annex II, limited to only point 4-6, 13-31. Data resulting from the safety investigations - Limited to the notification data and the final investigation report.
Extensions:	1a The user has a AUTH-DBManagement or AUTH-DBReporting role 1a1 The system displays All draft, submitted and accepted occurrences not included in step 1c of EDB.CU.25 use case 1b The user has a MS-MS-DBView-only or EMCIP-DBView-only role 1b1 The system displays occurrences with status submitted or accepted 1c The user has a AUTH-DBAnalysis role 1c1 The system displays all occurrences with not included in step 1d of EDB.CU.25 use case 1d The user has a AUTH-DBView-only role 1d1 The system displays all occurrences with status Submitted or accepted 1e The user has a PUB-DBPublic or PUB-DBResearch role 1e1 The system displays all occurrences with status Submitted, Proposed, Evaluating, Accepted, ToBeReviewed or Re-opened
Frequency of Use:	Many times a day

Priority:	This use case is Mandatory
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The “EDB.CU.26 GIS Viewer” extend the functionality of the “EDB.CU.25 View Database data & Investigation Reports” displaying the information over the EMSA GIS System.

Table 7-38 EDB.CU.26 GIS Viewer

ID:	EDB.CU.26
Title:	GIS Viewer
Description:	This use case enables the visualization of the New EMCIP database occurrences as an overlay over the EMSA GIS System
Primary Actor:	Any user logged in the system.
Preconditions:	The user is logged in New EMCIP database sub-system and is in the main screen.
Postconditions:	Database occurrences are displayed over the GIS System
Main Success Scenario:	1. The system shows the occurrences as overlay on over a GIS system. Additional overlays of other EMSA information system can be included. Search and filtering, including spatial queries can be done.
Extensions:	NA
Frequency of Use:	Many times a day
Priority:	This use case is Mandatory

7.9 OIM Management

This scenario covers all system functionalities related with, user, roles groups, and authorization & authentication management.

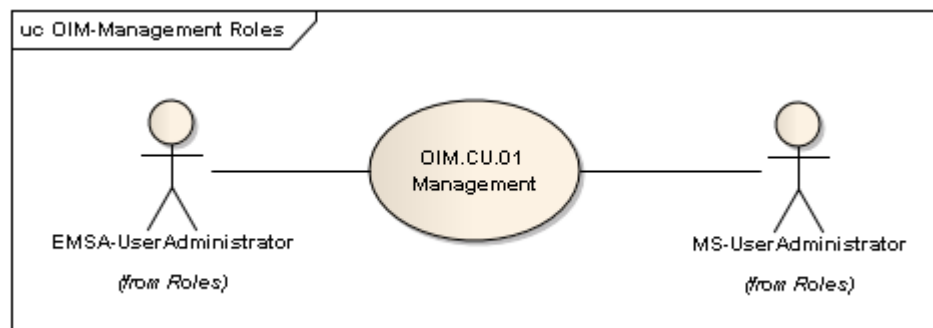


Figure 18 - OIM Management Use Case

The following tables describe the use cases represented in the Figure 18 - OIM Management Use Case:

Table 7-39 OIM.CU.01 Management

ID:	OIM.CU.01
Title:	OIM.CU.01 Management
Description:	This use case enables the management (Create, Edit or delete) of users, organizations, roles and groups
Primary Actor:	A user with EMSA-UserAdministrator or MS-UserAdministrator role.
Preconditions:	The user is logged in New EMCIP database sub-system and is in the main screen.
Postconditions:	A user / organization is created, deleted or edited (change role / groups).
Main Success Scenario:	<ol style="list-style-type: none"> 1. The user selects the user management option from the main menu. 2. The system displays the user management screen. 3. The user chooses one management option. 4. The system stored the changes in the system

Extensions:	<p>3a The user choose the management user option (EMSA-UserAdministrator)</p> <p>3a1 The system displays the user management screen</p> <p>3a2 The user set the user details (name, e-mail, user name, password, etc....), role(s) and organization and press the accept button.</p> <p>3a3 Step 4 is executed</p> <p>3b The user choose the management organization option (EMSA-UserAdministrator)</p> <p>3b1 The system displays the organization management screen</p> <p>3b2 The user set the organization details (name, address, description, etc....), Country and if is an accident investigation body or not and press the accept button.</p> <p>3b3 Step 4 is executed</p> <p>3c The user choose the management roles (EMSA-UserAdministrator)</p> <p>3c1 The system displays the roles management screen</p> <p>3c2 The user set the role name, description and list of entitlements assigned to the role and press the accept button.</p> <p>3c3 Step 4 is executed</p> <p>3d The user choose the management group (EMSA-UserAdministrator)</p> <p>3d1 The system displays the groups management screen</p> <p>3d2 The user set the group name, description and list of roles assigned to the group and press the accept button.</p> <p>3d3 Step 4 is executed</p> <p>3e The user selects management user within the same organization (MS-UserAdministrator).</p> <p>3e1 The system displays the user within the same organization management screen</p> <p>3e2 The user set the user details (name, e-mail, user name, password, etc....) and role(s) and press the accept button.</p> <p>3e3 Step 4 is executed</p>
Frequency of Use:	Few times a month
Priority:	This use case is Mandatory

8. STYLE GUIDE

As is describes in the requirement GUI.002.M - State of the art web application, the new EMCIP will follows the current standards of web applications.

8.1 DB Visualization

The following figure presents an example of how the DB Visualization user interface should be, including aggregated information.

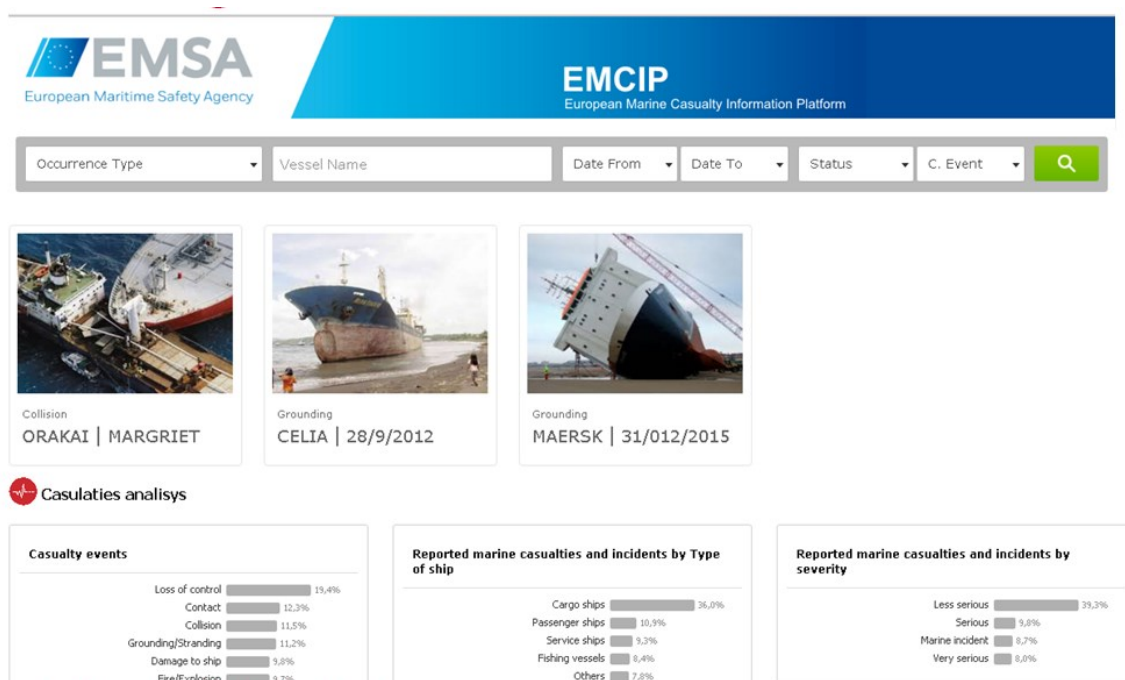


Figure 19 - New EMCIP Dashboard page

8.2 CMS Visualization

The following figure presents an example of how the anonymous CMS Visualization user interface should be, including the notification form.

EMSA
European Maritime Safety Agency

EMCIP
European Marine Casualty Information Platform

Occurrence Type Vessel Name Date From Date To Status C. Event

Discussion board

- ☐ Investigation
- ☐ Notification
- ☐ Workflow
- ☐ IMO Transfer
- ☐ Basic Query
- ☐ Advanced Query
- ☐ Analysis Tool
- ☐ Interim Report

Other Applications

- <http://www.equasis.org>
- <https://www.parismou.org/>
- <http://ec.europa.eu>
- <http://www.imo.org>

NewsLetter

- ☐ EMCIP EMSA
- ☐ Marine Casualties
- ☐ [Investigation Reports](#)
- ☐ Safety recommendations

[Subscribe](#)

Casualties analysis

Casualty events

Event	Percentage
Loss of control	19,4%
Contact	12,3%
Collision	11,5%
Grounding/Stranding	11,2%
Damage to ship	9,8%
Fire/Explosion	9,7%

Reported marine casualties and incidents by Type of ship

Ship Type	Percentage
Cargo ships	36,0%
Passenger ships	10,9%
Service ships	9,3%
Fishing vessels	8,4%
Others	7,8%

Reported marine casualties and incidents by severity

Severity	Percentage
Less serious	39,3%
Serious	9,8%
Marine incident	6,7%
Very serious	6,0%

Report a marine accident

Name:

Email *:

Telephone:

*Mandatory field

A Copy of the message will be sent to you e-mail

☒ Accept EMSA EMCIP Conditions

[Fill Report](#)

Figure 20 - New EMCIP non-registered user

The following figure presents an example of how the investigator CMS Visualization dashboard user interface should be, including the event calendar (top right), the aggregation filters (left) and the aggregation graphics (bottom).

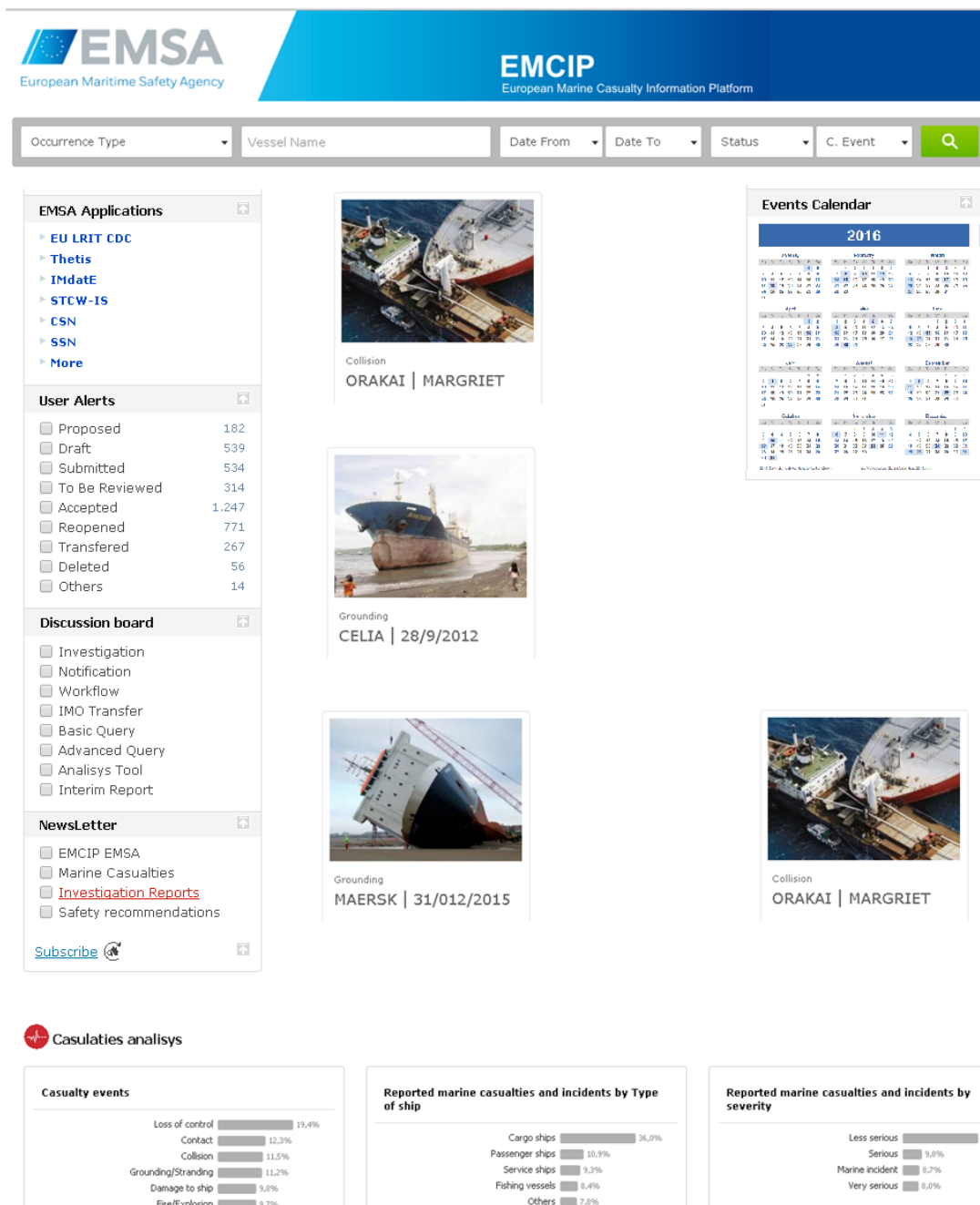
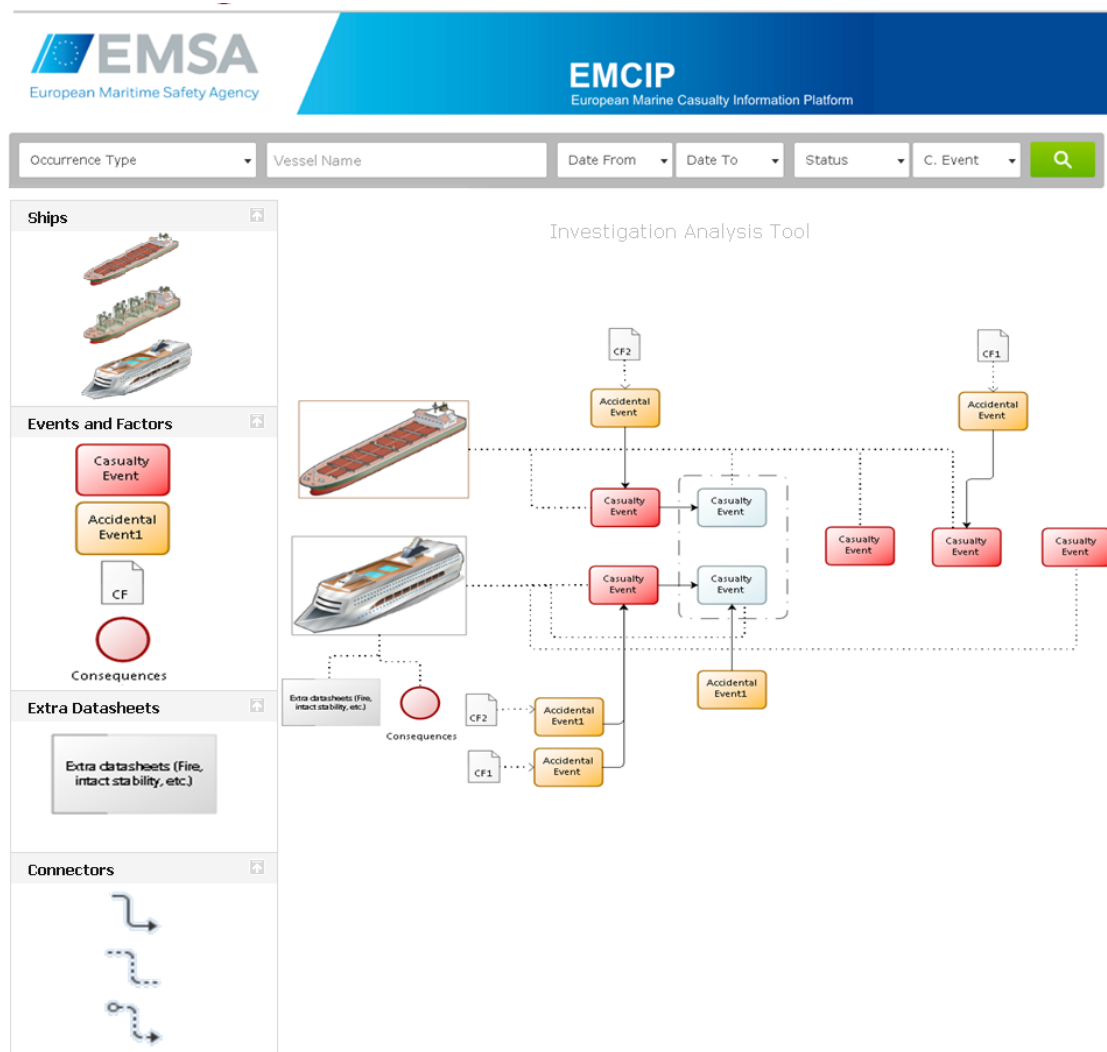


Figure 21 - New EMCIP registered user

8.3 DB Investigation analysis tool

The following figure presents an example of how the investigation DB Analysis tool user interface should be, including the drag-and-drop menu (left) and an example of already built chart (middle).



9. Conceptual Database Model

The current EMCIP project supports Oracle and SQL databases. Due the flexibility need on the taxonomy field, the New EMCIP should follow a compatible data model structure. The existing EMCIP taxonomy contains around 700 fields. The following table represents the main data subset to be stored in the New EMCIP data base and its main attributes. More information about the whole taxonomy will be provided to the tenderer/contractor upon request.

Table 9-1 Main database elements

Data Entity	Attribute	Type
Accidental event - Environmental effect	Actor	Alphanumeric
Accidental event - Environmental effect	Auxiliary propulsion	Number
Accidental event - Environmental effect	Bollard pull	Number
Accidental event - Environmental effect	Casualty stage	Code
Accidental event - Environmental effect	Date Last Modification	Decimals
Accidental event - Environmental effect	Event description	Text
Accidental event - Environmental effect	Event type	Code
Accidental event - Environmental effect	Factor	Entity
Accidental event - Environmental effect	Impact	Code
Accidental event - Environmental effect	Phenomenon	Code
Accidental event - Environmental effect	Place actor on board	Code
Accidental event - Environmental effect	Previous versions of Occurrence.	Alphanumeric
Accidental event - Environmental effect	Previous versions of Occurrence.	DateTime
Accidental event - Environmental effect	Previous versions of Occurrence.	Number
Accidental event - Environmental effect	Righting levers (GZ) based on (G), for angles of heel :	Number
Accidental event - Environmental effect	SAR intervention	Decimals
Accidental event - Environmental effect	Start of distress phase	Number
Accidental event - Environmental effect	Use of alarm signal	Alphanumeric
Accidental event - Environmental effect	Use of alarm signal	DateTime

Data Entity	Attribute	Type
Accidental event - Environmental effect	Use of alarm signal	Number
Accidental event - Environmental effect	Weather in SAR ops.	Number
Accidental event - Equipment failure	Assistance from MS	Alphanumeric
Accidental event - Equipment failure	Assistance from MS	Code
Accidental event - Equipment failure	Damage class	Code
Accidental event - Equipment failure	Factor	Entity
Accidental event - Equipment failure	Failure mode	Code
Accidental event - Equipment failure	Physical cause	Code
Accidental event - Equipment failure	System	Alphanumeric
Accidental event - Equipment failure	System	Code
Accidental event - Hazardous material	Factor	Entity
Accidental event - Hazardous material	Failure type	Code
Accidental event - Hazardous material	Hazard	Code
Accidental event - Hazardous material	Material	Alphanumeric
Accidental event - Hazardous material	Material	Code
Accidental event - Hazardous material	Material type	Code
Accidental event - Hazardous material	Nr. simultaneous goals	Alphanumeric
Accidental event - Hazardous material	Nr. simultaneous goals	Code
Accidental event - Human Erroneous Action	Age	Decimals
Accidental event - Human Erroneous Action	COC issued by	Code
Accidental event - Human Erroneous Action	Current employer	Decimals
Accidental event - Human Erroneous Action	Current qualification	Decimals
Accidental event - Human Erroneous Action	Duration sleep (24h)	Decimals
Accidental event - Human Erroneous Action	Duty-time before acc.	Decimals
Accidental event - Human Erroneous Action	Error modes	Code
Accidental event - Human Erroneous Action	Factor	Entity

Data Entity	Attribute	Type
Accidental event - Human Erroneous Action	Gender	Code
Accidental event - Human Erroneous Action	Hours of rest (24-h)	Decimals
Accidental event - Human Erroneous Action	Hours of rest (7-days)	Decimals
Accidental event - Human Erroneous Action	Inadequate handover	Decimals
Accidental event - Human Erroneous Action	Interpretation	Code
Accidental event - Human Erroneous Action	Jet lag	Decimals
Accidental event - Human Erroneous Action	Longest rest period	Decimals
Accidental event - Human Erroneous Action	Nationality	Code
Accidental event - Human Erroneous Action	Nr. of rest periods	Number
Accidental event - Human Erroneous Action	Nr. simultaneous goals	Number
Accidental event - Human Erroneous Action	Observation	Code
Accidental event - Human Erroneous Action	On duty	Code
Accidental event - Human Erroneous Action	Planning	Code
Accidental event - Human Erroneous Action	Poor quality of sleep	Code
Accidental event - Human Erroneous Action	Present rank	Decimals
Accidental event - Human Erroneous Action	Previous experience	Decimals
Accidental event - Human Erroneous Action	Previous versions of Occurrence.	Code
Accidental event - Human Erroneous Action	Previous versions of Occurrence.	Decimals
Accidental event - Human Erroneous Action	Quantity of sleep	Decimals
Accidental event - Human Erroneous Action	Rank	Code
Accidental event - Human Erroneous Action	Righting levers (GZ) based on (G), for angles of heel :	Alphanumeric
Accidental event - Human Erroneous Action	Righting levers (GZ) based on (G), for angles of heel :	Code
Accidental event - Human Erroneous Action	Service at sea	Decimals
Accidental event - Human Erroneous Action	Task	Code
Accidental event - Human Erroneous Action	Time of day	Code
Accidental event - Other agent or vessel	Factor	Entity

Data Entity	Attribute	Type
Accidental event - Other agent or vessel	Start of distress phase	Alphanumeric
Accidental event - Other agent or vessel	Start of distress phase	Code
Accidental event - Other agent or vessel	System category	Code
Accidental event - Other agent or vessel	Task affected	Code
Accidental event - Other agent or vessel	Vessel	Entity
Accidental event – Unknown	Auxiliary propulsion	Alphanumeric
Accidental event – Unknown	Auxiliary propulsion	Code
Accidental event – Unknown	Factor	Entity
Cargo Loss	Wind force during SAR	Code
Cargo Quantities	Previous versions of Occurrence.	Code
Consequences - Loss of ship	Addressee(s) coding	Code
Consequences - Loss of ship	Coastal states aff.	Code
Consequences - Loss of ship	EMCIP Keywords	Alphanumeric
Consequences - Loss of ship	EMCIP Keywords	Code
Consequences - Loss of ship	Lack training	Code
Consequences - Loss of ship	Name addressee(s)	Alphanumeric
Consequences - Loss of ship	Other int. States	Code
Consequences - Loss of ship	Permanent condition	Code
Consequences - Loss of ship	Previous versions of Occurrence.	Alphanumeric
Consequences - Loss of ship	Previous versions of Occurrence.	Code
Consequences - Loss of ship	Temporary condition	Code
Consequences – People	Bollard pull	Alphanumeric
Consequences – People	Consequences - Person	Entity
Consequences – People	Lives lost - Passenger - Casualty	Number
Consequences – People	Previous versions of Occurrence.	Number
Consequences – People	Use of alarm signal	Code

Data Entity	Attribute	Type
Consequences – People	Wind force during SAR	Code
Consequences – Person	Action taken by crew	Number
Consequences – Person	Adequacy	Number
Consequences – Person	Assistance from MS	Code
Consequences – Person	CF description	Number
Consequences – Person	Contain/extinguish fire	Number
Consequences – Person	Event description	Number
Consequences – Person	Obs./comments	Number
Consequences – Person	Previous versions of Occurrence.	Code
Consequences - Solid cargo in bulk - Material	Action(s) taken	Number
Consequences - Solid cargo in bulk - Material	Additional aspects	Number
Consequences - Solid cargo in bulk - Material	Assistance from MS	Alphanumeric
Consequences - Solid cargo in bulk - Material	Assistance from MS	Code
Consequences - Solid cargo in bulk - Material	Description	Number
Consequences - Solid cargo in bulk - Material	Modification note	Number
Consequences - Solid cargo in bulk - Material	Protection escape means	Number
Consequences - Solid cargo in bulk - Material	Recommendation	Number
Consequences - Solid cargo in bulk - Material	Service conditions	Number
Consequences - Solid cargo in bulk - Material	Special instructions	Number
Consequences - Solid cargo in bulk - Material	Under action of helm	Number
Consequences - Solid cargo in bulk - Material	Vulner. openings closed	Number
Consequences - Third party	Assistance from MS	Number
Consequences - Third party	Distress comm. signals	Number
Consequences - Third party	Distress message	Number
Consequences - Third party	EPIRB or EPIRB details	Number
Consequences - Third party	Equip. survival craft	Number

Data Entity	Attribute	Type
Consequences - Third party	Language difficulties	Number
Consequences - Third party	Nr. simultaneous goals	Number
Consequences - Third party	On-scene comm.	Number
Consequences - Third party	Previous versions of Occurrence.	Number
Damage	Assistance from MS	Code
Damage	Auxiliary propulsion	Decimals
Damage	Colliss. bulkhead damage	Code
Damage	Double bottom present	Code
Damage	Penetration bulbous bow?	Code
Damage	Position transmitted	Code
Damage	Subdiv. bulkhead damage	Code
DB History	Database access by	Alphanumeric
DB History	Database access date	DateTime
DB History	Database access type	Code
EMSA Note	Weather in SAR ops.	Alphanumeric
EMSA Note	Weather in SAR ops.	Text
Event	Accidental event - Environmental effect	Entity
Event	Accidental event - Equipment failure	Entity
Event	Accidental event - Hazardous material	Entity
Event	Accidental event - Human Erroneous Action	Entity
Event	Accidental event - Other agent or vessel	Entity
Event	Accidental event - Unknown	Entity
Event	Accomplishment date	Alphanumeric
Event	Action(s) taken	Text
Event	Coding	Code
Event	Date to comply	Alphanumeric

Data Entity	Attribute	Type
Event	Event	Entity
Event	Previous versions of Occurrence.	Code
Event	Recommendation	Text
Event	Sequence	Number
Event	Vessel	Entity
Event	Was agreed	Code
Factor	Bollard pull	Alphanumeric
Factor	Bollard pull	DateTime
Factor	Bollard pull	Number
Factor	Brand name of craft	Alphanumeric
Factor	Brand name of craft	DateTime
Factor	Brand name of craft	Number
Factor	Casualty Report Nr.	Alphanumeric
Factor	CF coding	Code
Factor	CF description	Text
Factor	State Reporting	Code
Factor	Use of alarm signal	Alphanumeric
Factor	Use of alarm signal	DateTime
Factor	Use of alarm signal	Number
Factor	Wind force during SAR	Alphanumeric
Factor	Wind force during SAR	DateTime
Factor	Wind force during SAR	Number
Final Report	Arrival of SAR unit	Alphanumeric
Final Report	Arrival of SAR unit	Code
Final Report	Auxiliary propulsion	Alphanumeric
Final Report	Bollard pull	Code

Data Entity	Attribute	Type
Final Report	Call sign	Alphanumeric
Final Report	Call sign	Code
Final Report	Displacement	Alphanumeric
Final Report	Rank	Alphanumeric
Final Report	RCC relay frequency	Decimals
Final Report	Start of distress phase	Code
IMO Transfer	Auxiliary propulsion	Code
IMO Transfer	Wind force during SAR	Code
IMO Transfer	Wind force during SAR	DateTime
Interim Report	Bollard pull	Alphanumeric
Modification	Modification date	DateTime
Modification	Modification made by	Alphanumeric
Modification	Modification note	Text
Narratives	Description	Text
Narratives	Language	Code
Occurrence	Accidental event - Other agent or vessel	Entity
Occurrence	Additional aspects	Text
Occurrence	Air pollution	Code
Occurrence	Air temperature	Decimals
Occurrence	Alert acknowledged by	Code
Occurrence	Area type	Code
Occurrence	Arrival of SAR unit	Alphanumeric
Occurrence	Auxiliary propulsion	Code
Occurrence	Competent authority	Code
Occurrence	Current/tide condition	Code
Occurrence	Date Last Modification	DateTime

Data Entity	Attribute	Type
Occurrence	Date of casualty	Alphanumeric
Occurrence	Date of notification	Alphanumeric
Occurrence	Date Report Created	DateTime
Occurrence	DB History	Entity
Occurrence	Distress comm. signals	Text
Occurrence	Distress message	Text
Occurrence	EMSA Note	Entity
Occurrence	EPIRB or EPIRB details	Text
Occurrence	Equip. survival craft	Text
Occurrence	Estimated cost	Decimals
Occurrence	EU investig. State?	Code
Occurrence	Event	Entity
Occurrence	Final Report	Entity
Occurrence	GMDSS facilities	Code
Occurrence	GMDSS sea area (s)	Code
Occurrence	Ice obstructions	Code
Occurrence	IMO Transfer	Entity
Occurrence	Interim Report	Entity
Occurrence	Investigating state	Code
Occurrence	Language difficulties	Text
Occurrence	Latitude	Latitude
Occurrence	Lives lost - Crew - Total	Number
Occurrence	Lives lost - Other - Total	Number
Occurrence	Lives lost - Passenger - Total	Number
Occurrence	Lives lost - Total	Number

Data Entity	Attribute	Type
Occurrence	Longitude	Eccairs Data Link
Occurrence	Member State role	Code
Occurrence	Modification	Entity
Occurrence	Narratives	Entity
Occurrence	Natural light	Code
Occurrence	Nature occurrence	Code
Occurrence	Notification entity	Code
Occurrence	Nr. ships involved	Number
Occurrence	Occurrence General Note	Entity
Occurrence	Occurrence History	Entity
Occurrence	Occurrence location	Code
Occurrence	Occurrence severity	Code
Occurrence	Oil pollution response	Code
Occurrence	On-scene comm.	Text
Occurrence	Other damage	Code
Occurrence	People injured - Crew - Total	Number
Occurrence	People injured - Other - Total	Number
Occurrence	People injured - Passenger - Total	Number
Occurrence	People injured - Total	Number
Occurrence	PiggyBack	Entity
Occurrence	Position transmitted	Code
Occurrence	Previous versions of Occurrence.	Alphanumeric
Occurrence	Previous versions of Occurrence.	Code
Occurrence	Previous versions of Occurrence.	DateTime
Occurrence	Previous versions of Occurrence.	Decimals

Data Entity	Attribute	Type
Occurrence	Previous versions of Occurrence.	Number
Occurrence	Previous versions of Occurrence.	Text
Occurrence	RCC alert ack. frequency	Decimals
Occurrence	RCC distress relay by	Code
Occurrence	RCC relay frequency	Decimals
Occurrence	Response time	Decimals
Occurrence	Response to spill	Code
Occurrence	Safety Recommendation	Entity
Occurrence	SAR comm. frequency	Decimals
Occurrence	SAR communications	Code
Occurrence	Sea state	Code
Occurrence	Sea state in SAR ops.	Code
Occurrence	Ship/wall interaction	Decimals
Occurrence	Ship's distress alert by	Code
Occurrence	Ship's distress alert freq.	Decimals
Occurrence	Ship's distress relay by	Code
Occurrence	Ship's distress relay freq.	Decimals
Occurrence	Start of distress phase	Alphanumeric
Occurrence	Start of distress phase	Decimals
Occurrence	Swell direction	Code
Occurrence	Time of casualty	Alphanumeric
Occurrence	Time of notification	Alphanumeric
Occurrence	Title	Alphanumeric
Occurrence	Traffic density	Code
Occurrence	Use of alarm signal	Code
Occurrence	Use of alarm signal	Text

Data Entity	Attribute	Type
Occurrence	User (Us)	Alphanumeric
Occurrence	VDR used	Code
Occurrence	Vessel	Entity
Occurrence	Visibility	Code
Occurrence	Water temperature	Decimals
Occurrence	Water trapped on deck	Code
Occurrence	Wave length	Decimals
Occurrence	Weather conditions	Code
Occurrence	Weather in SAR ops.	Code
Occurrence	Weather in SAR ops.	Decimals
Occurrence	Weather in SAR ops.	Text
Occurrence	Wind direction	Code
Occurrence	Wind direction angle	Decimals
Occurrence	Wind force	Code
Occurrence	Wind force during SAR	Code
Occurrence	Workflow Note	Entity
Occurrence General Note	Assistance from MS	Code
Occurrence General Note	Bollard pull	Alphanumeric
Occurrence General Note	Bollard pull	Text
Occurrence General Note	Cleanup techniques	Code
Occurrence General Note	Deck cargo type	Code
Occurrence General Note	Dispersants application	Code
Occurrence General Note	Habitat degradation	Code
Occurrence General Note	Hull number	Code
Occurrence General Note	Loss of fisheries	Code
Occurrence General Note	Maximum nr. of people	Decimals

Data Entity	Attribute	Type
Occurrence General Note	Nr. of masts	Decimals
Occurrence General Note	Nr. simultaneous goals	Code
Occurrence General Note	Previous versions of Occurrence.	Alphanumeric
Occurrence General Note	Previous versions of Occurrence.	Code
Occurrence General Note	Previous versions of Occurrence.	Decimals
Occurrence General Note	Previous versions of Occurrence.	Text
Occurrence General Note	Propulsion type	Decimals
Occurrence General Note	Rated amplitude of roll (maximum)	Code
Occurrence General Note	Sequence	Code
Occurrence General Note	Time to extinguish	Code
Occurrence History	Previous versions of Occurrence.	Alphanumeric
Occurrence History	Previous versions of Occurrence.	Code
Occurrence History	Previous versions of Occurrence.	DateTime
Occurrence History	Previous versions of Occurrence.	Text
PiggyBack	Use of alarm signal	Alphanumeric
PiggyBack	Use of alarm signal	DateTime
Ranks/crew	Nr. of crew	Number
Ranks/crew	Rank	Code
Vessel	Action taken by crew	Text
Vessel	Adequacy	Text
Vessel	Adequate air supply	Code
Vessel	Angle immers.2 upperdeck	Decimals
Vessel	Angle max. stability	Decimals
Vessel	Angle vanish. stability	Decimals
Vessel	Assistance from MS	Code
Vessel	Assistance from MS	Decimals

Data Entity	Attribute	Type
Vessel	Assistance from MS	Text
Vessel	Auxiliary propulsion	Code
Vessel	Auxiliary propulsion	Decimals
Vessel	Bilge keel longit. extent	Decimals
Vessel	Bilge keel width	Decimals
Vessel	Block coefficient of fineness of displacement	Decimals
Vessel	Bollard pull	Code
Vessel	Bollard pull	Decimals
Vessel	Brand name of craft	Alphanumeric
Vessel	Breadth	Decimals
Vessel	Building yard	Alphanumeric
Vessel	Call sign	Alphanumeric
Vessel	Cargo Loss	Entity
Vessel	Cargo Quantities	Entity
Vessel	Centre of gravity above moulded base line	Decimals
Vessel	Classif. Society	Code
Vessel	Classif. Society (ISM)	Code
Vessel	Coefficient of fineness of midship section	Decimals
Vessel	Company name	Alphanumeric
Vessel	Company nr.	Alphanumeric
Vessel	Consequences - Loss of ship	Entity
Vessel	Consequences - People	Entity
Vessel	Consequences - Solid cargo in bulk - Material	Entity
Vessel	Consequences - Third party	Entity
Vessel	Contain/extinguish fire	Text
Vessel	Contributed to ext.	Code

Data Entity	Attribute	Type
Vessel	Damage	Entity
Vessel	Date keel laid	Alphanumeric
Vessel	Deadweight	Decimals
Vessel	Deck	Code
Vessel	Deck cargo quantity	Decimals
Vessel	Depth of bar keel	Decimals
Vessel	Design category	Code
Vessel	Directive 94/25	Code
Vessel	Displacement	Decimals
Vessel	Distance ships profile exposed to wind and waterline	Decimals
Vessel	Double bottom present	Code
Vessel	Draught (amidships)	Decimals
Vessel	Error modes	Decimals
Vessel	Estimated rolling period (P-S-P)	Decimals
Vessel	Event	Entity
Vessel	Failure mode	Decimals
Vessel	Fire detection	Code
Vessel	Fire duration total	Decimals
Vessel	Flag State	Code
Vessel	Freeboard	Decimals
Vessel	Gross tonnage	Decimals
Vessel	Habitat degradation	Code
Vessel	Height centre of buoyancy above moulded base line	Decimals
Vessel	Height struct. deck D	Decimals
Vessel	Hull breadth	Decimals
Vessel	Hull construction	Code

Data Entity	Attribute	Type
Vessel	Hull identification nr.	Alphanumeric
Vessel	Hull material	Code
Vessel	Hull number	Alphanumeric
Vessel	Hull shape type	Code
Vessel	IMO number	Number
Vessel	KG lightship displac.	Decimals
Vessel	Lateral area of ships profile exposed to wind	Decimals
Vessel	Length between PP	Decimals
Vessel	Length of the hull	Decimals
Vessel	Length overall	Decimals
Vessel	Length struct. deck D	Decimals
Vessel	Lightship displacement	Decimals
Vessel	Lives lost - Other - Total	Decimals
Vessel	Maintenance records	Code
Vessel	Manufacturer's name	Alphanumeric
Vessel	Max. Draught	Decimals
Vessel	Max. engine power	Decimals
Vessel	Max. nr. of persons	Number
Vessel	Maximum load	Decimals
Vessel	Maximum nr. of people	Number
Vessel	Maximum righting lever	Decimals
Vessel	Maximum speed	Decimals
Vessel	Means propulsion	Code
Vessel	Metacentric height (GM uncorrected)	Decimals
Vessel	MMSI nr.	Number
Vessel	Modification made by	Code

Data Entity	Attribute	Type
Vessel	Moulded depth	Decimals
Vessel	Name of ship	Alphanumeric
Vessel	Name struct. above deck	Alphanumeric
Vessel	Nature occurrence	Code
Vessel	Nr. main engines	Number
Vessel	Nr. of crew	Number
Vessel	Nr. of hulls	Code
Vessel	Nr. of masts	Code
Vessel	Nr. of passengers	Number
Vessel	Nr. propellers or jets	Number
Vessel	Obs./comments	Text
Vessel	Occurrence General Note	Entity
Vessel	Occurrence History	Entity
Vessel	Owner name	Alphanumeric
Vessel	Owner nr.	Alphanumeric
Vessel	Persons alerted by	Code
Vessel	Polar class	Code
Vessel	Port of registry	Code
Vessel	Position transmitted	Code
Vessel	Position transmitted	Decimals
Vessel	Previous CS	Code
Vessel	Previous experience	Code
Vessel	Previous flag	Code
Vessel	Previous name of ship	Alphanumeric
Vessel	Previous versions of Occurrence.	Alphanumeric
Vessel	Previous versions of Occurrence.	Code

Data Entity	Attribute	Type
Vessel	Previous versions of Occurrence.	Decimals
Vessel	Previous versions of Occurrence.	Number
Vessel	Propulsion type	Code
Vessel	Protection escape means	Text
Vessel	Quantity ballast water	Decimals
Vessel	Ranks/crew	Entity
Vessel	Rated amplitude of roll (maximum)	Decimals
Vessel	Rated amplitude of roll (maximum)	Decimals
Vessel	Reduction in GM due to any free surface of liquids	Decimals
Vessel	Registry nr.	Alphanumeric
Vessel	Righting levers (GZ) based on (G), for angles of heel :	Code
Vessel	Righting levers (GZ) based on (G), for angles of heel :	Decimals
Vessel	Safety Recommendation	Entity
Vessel	Sail area	Decimals
Vessel	Sequence	Number
Vessel	Service conditions	Text
Vessel	Special instructions	Text
Vessel	Time to control fire	Decimals
Vessel	Time to extinguish	Decimals
Vessel	Time to sink	Decimals
Vessel	Transverse metacentre radius	Decimals
Vessel	Under action of helm	Text
Vessel	Vulner. openings closed	Text
Vessel	Water trapped on deck	Decimals
Vessel	Water trapped on deck?	Code
Vessel	Weather conditions	Code

Data Entity	Attribute	Type
Vessel	Weather in SAR ops.	Code
Vessel	Y1	Decimals
Vessel	Y2	Decimals
Workflow Note	Weather in SAR ops.	Alphanumeric
Workflow Note	Weather in SAR ops.	Text

The following table represent a CRUD (**C**reate; **R**ead; **U**ppdate; **D**ele) matrix between the taxonomy entities defined in the previous table and the New EMCIP use case (This table will be subject to a final revision before its final implementation):

Table 9-2 CRUD matrix

CRUD	1	
CRU	2	
CRD	3	
CUD	5	
RUD	9	
CR	4	
CU	6	
CD	7	
RU	A	
RD	B	
UD	E	
C	C	
R	R	
U	U	
D	D	
		CMS.CU.01 Managemet
		CMS.CU.02 Tools configuration
		CMS.CU.03 Incident Notification Form
		CMS.CU.05 GUEST-Research Content
		CMS.CU.06 GUEST-Registered Content
		CMS.CU.07 GUEST-Not registered Content
		CMS.CU.08 Content Visualization
		CMS.CU.09 Restricted EMSA Users Contents
		CMS.CU.10 All EMSA user Contents
		CMS.CU.12 MS user content
		CMS.CU.13 All MS Content
		[I] EDB.CU.20 View occurrences INT Auth
		EDB.CU.01 Investigation Analysis
		EDB.CU.02 Data Analysis
		EDB.CU.03 ReOpen Occurrence
		EDB.CU.04 Accept Occurrence
		EDB.CU.05 Change Investigator in charge
		EDB.CU.06 Lock & UnLock Occurrence
		EDB.CU.07 Reject Occurrence
		EDB.CU.08 Delete Draft Occurrence
		EDB.CU.09 Revoke Acceptance Occurrence
		EDB.CU.10 Edit Occurrence
		EDB.CU.11 Transfer (IMO, Internal or External)
		EDB.CU.12 Submit Occurrence
		EDB.CU.13 Workflow Management
		EDB.CU.14 Taxonomy Management
		EDB.CU.15 Verification rules Management
		EDB.CU.16 View All occurrences limited
		EDB.CU.21 Ship Register tool
		EDB.CU.22 Administrative Module
		EDB.CU.23 Related Occurrence
		EDB.CU.24 Recommendations selection aid
		EDB.CU.25 View Db & Investigation Reports
		EDB.CU.26 GIS Viewer
		EDB.CU.27 Query System
		EDB.CU.28 BI System
		EDB.CU.29. Revoke Submission occurrence
		EDB.CU.30 Delete Submitted occurrence
		OIM.CU.01 Management

D U C R U D	C R U D	R D A B E C R U D	CD 7	CU 6	CR 4	RUD 9	CUD 5	CRD 3	CRU 2	CRUD 1																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
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10. Traceability

This chapter contains the traceability matrix from the requirements contained in chapter 3 to the use Case described in the chapter 7

Table 10-1 Traceability matrix

	CMS.CU.01 Management	CMS.CU.02 Tools configuration	CMS.CU.03 Incident Notification Form	CMS.CU.05 GUEST-Research Content	CMS.CU.06 GUEST-Registered	CMS.CU.07 GUEST-Not registered	CMS.CU.08 Content Visualization	CMS.CU.09 Restricted EMSA Users	CMS.CU.10 All EMSA user Contents	CMS.CU.12 MS user content	CMS.CU.13 All MS Content	EDB.CU.01 Investigation Analysis	EDB.CU.02 Data Analysis	EDB.CU.03 ReOpen Occurrence	EDB.CU.04 Accept Occurrence	EDB.CU.05 Change Investigator in	EDB.CU.06 Lock & UnLock	EDB.CU.07 Reject Occurrence	EDB.CU.08 Delete Draft Occurrence	EDB.CU.09 Revoke Acceptance	EDB.CU.10 Edit Occurrence	EDB.CU.11 Transfer (IMO, Internal or	EDB.CU.12 Submit Occurrence	EDB.CU.13 Workflow Management	EDB.CU.14 Taxonomy Management	EDB.CU.15 Verification rules	EDB.CU.16 View All occurrences	EDB.CU.21 Ship Register tool	EDB.CU.22 Administrative Module	EDB.CU.23 Related Occurrence	EDB.CU.24 Automatic Safety Recommendations	EDB.CU.25 View Database data	EDB.CU.26 GIS Viewer	EDB.CU.27 Query System	EDB.CU.28 BI System	EDB.CU.29. Revoke Submission	EDB.CU.30 Delete Submitted	OIM.CU.01 Management	
EAA.001.M - User Authentication Management																																							
EAA.002.M - User Authorization Management							X																																
GIS.001.M – Serach & Filtering																																			X				
GIS.002.M – GIS tools																																			X				
POR.001.M - User interface configurable	X																																						
POR.002.M - Dashboard				X	X	X	X	X	X	X	X																												
POR.003.M - Discussion board							X	X	X	X	X																												
POR.004.M - Sharing Tool							X	X	X	X	X																												
POR.005.M - Logs	X																																						

		CMS.CU.01 Management	CMS.CU.02 Tools configuration	CMS.CU.03 Incident Notification Form	CMS.CU.05 GUEST-Research Content	CMS.CU.06 GUEST-Registered	CMS.CU.07 GUEST-Not registered	CMS.CU.08 Content Visualization	CMS.CU.09 Restricted EMSA Users	CMS.CU.10 All EMSA user Contents	CMS.CU.12 MS user content	CMS.CU.13 All MS Content	EDB.CU.01 Investigation Analysis	EDB.CU.02 Data Analysis	EDB.CU.03 ReOpen Occurrence	EDB.CU.04 Accept Occurrence	EDB.CU.05 Change Investigator in	EDB.CU.06 Lock & UnLock	EDB.CU.07 Reject Occurrence	EDB.CU.08 Delete Draft Occurrence	EDB.CU.09 Revoke Acceptance	EDB.CU.10 Edit Occurrence	EDB.CU.11 Transfer (IMO, Internal or	EDB.CU.12 Submit Occurrence	EDB.CU.13 Workflow Management	EDB.CU.14 Taxonomy Management	EDB.CU.15 Verification rules	EDB.CU.16 View All occurrences	EDB.CU.21 Ship Register tool	EDB.CU.22 Administrative Module	EDB.CU.23 Related Occurrence	EDB.CU.24 Automatic Safety Recommendations	EDB.CU.25 View Database data	EDB.CU.26 GIS Viewer	EDB.CU.27 Query System	EDB.CU.28 BI System	EDB.CU.29. Revoke Submission	EDB.CU.30 Delete Submitted	OIM.CU.01 Management		
POR.008. M - Calendar			X						X	X	X	X																													
POR.009. M - External applications	X																																								
POR.010. M - Document Management			X						X		X	X																													
POR.011. M - News			X																																						
POR.012. M - Notification Form	X																																								
DAE.001. M - Group information in tabs																						X						X													
DAE.002. M - Casualties outside the scope of the directive																						X		X																	
DAE.003. M - Delete / amend the occurrence															X						X	X	X															X	X		
DAE.004. M - Mandatory fields																						X				X															
DAE.005. M - Visual tooltips																						X				X															
DAE.006. M - Administrative module – Evidence Repository																														X											
DAE.007. M - Nature																						X																			

	CMS.CU.01 Management	CMS.CU.02 Tools configuration	CMS.CU.03 Incident Notification Form	CMS.CU.05 GUEST-Research Content	CMS.CU.06 GUEST-Registered	CMS.CU.07 GUEST-Not registered	CMS.CU.08 Content Visualization	CMS.CU.09 Restricted EMSA Users	CMS.CU.10 All EMSA user Contents	CMS.CU.12 MS user content	CMS.CU.13 All MS Content	EDB.CU.01 Investigation Analysis	EDB.CU.02 Data Analysis	EDB.CU.03 ReOpen Occurrence	EDB.CU.04 Accept Occurrence	EDB.CU.05 Change Investigator in	EDB.CU.06 Lock & UnLock	EDB.CU.07 Reject Occurrence	EDB.CU.08 Delete Draft Occurrence	EDB.CU.09 Revoke Acceptance	EDB.CU.10 Edit Occurrence	EDB.CU.11 Transfer (IMO, Internal or	EDB.CU.12 Submit Occurrence	EDB.CU.13 Workflow Management	EDB.CU.14 Taxonomy Management	EDB.CU.15 Verification rules	EDB.CU.16 View All occurrences	EDB.CU.21 Ship Register tool	EDB.CU.22 Administrative Module	EDB.CU.23 Related Occurrence	EDB.CU.24 Automatic Safety Recommendations	EDB.CU.25 View Database data	EDB.CU.26 GIS Viewer	EDB.CU.27 Query System	EDB.CU.28 BI System	EDB.CU.29. Revoke Submission	EDB.CU.30 Delete Submitted	OIM.CU.01 Management	
occurrence																																							
DAE.008. M - Type of occurrence																				X																			
DAE.009.M - Analysis tool												X																											
DAE.010.M - Marine incident / casualty analysis												X																											
DAE.011.M – Navigation Panel												X																											
DAE.012.M - Related occurrences																														X									
DAE.013.N – Interactive ship maquette																				X																			
DAE.014.N - Data fields alias																									X														
DAE.015.M - Suggested elements												X																											
DAE.016.M - Investigation chart overview												X																											
DAE.017.M - Assumed vs evidence-based events and factors																									X														
DAE.018.M - Recommendations																																	X						

	CMS.CU.01 Management	CMS.CU.02 Tools configuration	CMS.CU.03 Incident Notification Form	CMS.CU.05 GUEST-Research Content	CMS.CU.06 GUEST-Registered	CMS.CU.07 GUEST-Not registered	CMS.CU.08 Content Visualization	CMS.CU.09 Restricted EMSA Users	CMS.CU.10 All EMSA user Contents	CMS.CU.12 MS user content	CMS.CU.13 All MS Content	EDB.CU.01 Investigation Analysis	EDB.CU.02 Data Analysis	EDB.CU.03 ReOpen Occurrence	EDB.CU.04 Accept Occurrence	EDB.CU.05 Change Investigator in	EDB.CU.06 Lock & UnLock	EDB.CU.07 Reject Occurrence	EDB.CU.08 Delete Draft Occurrence	EDB.CU.09 Revoke Acceptance	EDB.CU.10 Edit Occurrence	EDB.CU.11 Transfer (IMO, Internal or	EDB.CU.12 Submit Occurrence	EDB.CU.13 Workflow Management	EDB.CU.14 Taxonomy Management	EDB.CU.15 Verification rules	EDB.CU.16 View All occurrences	EDB.CU.21 Ship Register tool	EDB.CU.22 Administrative Module	EDB.CU.23 Related Occurrence	EDB.CU.24 Automatic Safety Recommendations	EDB.CU.25 View Database data	EDB.CU.26 GIS Viewer	EDB.CU.27 Query System	EDB.CU.28 BI System	EDB.CU.29. Revoke Submission	EDB.CU.30 Delete Submitted	OIM.CU.01 Management		
selection aid																																								
DAE.019.M - Data Filling Scripts																					X				X															
DAE.020.M - Data Validation																							X			X	X													
DAE.021.M – Occurrence / submit to EMSA																							X																	
DAE.022.M – Investigation / Evaluated by EMSA																	X																							
DAE.023.M – Investigation / Rejected BY EMSA																		X																						
DAE.024.M – Investigation / Accepted BY EMSA															X																									
DAE.025.M - Change Investigator in charge																X																								
QUA.001.M – Check Rules																										X														
QUA.002.M – Quality control and enforcement																										X														
QUA.003.M – Anti-spam tool			X																																					
DAQ.001.M - Data Base																																	X							

	CMS.CU.01 Management	CMS.CU.02 Tools configuration	CMS.CU.03 Incident Notification Form	CMS.CU.05 GUEST-Research Content	CMS.CU.06 GUEST-Registered	CMS.CU.07 GUEST-Not registered	CMS.CU.08 Content Visualization	CMS.CU.09 Restricted EMSA Users	CMS.CU.10 All EMSA user Contents	CMS.CU.12 MS user content	CMS.CU.13 All MS Content	EDB.CU.01 Investigation Analysis	EDB.CU.02 Data Analysis	EDB.CU.03 ReOpen Occurrence	EDB.CU.04 Accept Occurrence	EDB.CU.05 Change Investigator in	EDB.CU.06 Lock & UnLock	EDB.CU.07 Reject Occurrence	EDB.CU.08 Delete Draft Occurrence	EDB.CU.09 Revoke Acceptance	EDB.CU.10 Edit Occurrence	EDB.CU.11 Transfer (IMO, Internal or	EDB.CU.12 Submit Occurrence	EDB.CU.13 Workflow Management	EDB.CU.14 Taxonomy Management	EDB.CU.15 Verification rules	EDB.CU.16 View All occurrences	EDB.CU.21 Ship Register tool	EDB.CU.22 Administrative Module	EDB.CU.23 Related Occurrence	EDB.CU.24 Automatic Safety Recommendations	EDB.CU.25 View Database data	EDB.CU.26 GIS Viewer	EDB.CU.27 Query System	EDB.CU.28 BI System	EDB.CU.29. Revoke Submission	EDB.CU.30 Delete Submitted	OIM.CU.01 Management	
Access						X																																	
DAQ.002.M - Occurrence Information Access																																							X
DAQ.004.M - Query on the fly																																			X				
DAQ.005.M - Query on the fly / Save																																			X				
DAQ.006.M - Query on the fly / Share																																			X				
DAQ.007.M - Query Export																																			X				
DAQ.008.M – Query Export Template																											X						X						
DAQ.009.M – Aggregated Information and Charts						X	X	X	X	X																	X					X		X					
DAQ.010.M - Administrative Module Information																													X										
DAT.001.M – Occurence / External Transfer																						X																	
DAT.002.M – Occurence /																						X																	

	CMS.CU.01 Management	CMS.CU.02 Tools configuration	CMS.CU.03 Incident Notification Form	CMS.CU.05 GUEST-Research Content	CMS.CU.06 GUEST-Registered	CMS.CU.07 GUEST-Not registered	CMS.CU.08 Content Visualization	CMS.CU.09 Restricted EMSA Users	CMS.CU.10 All EMSA user Contents	CMS.CU.12 MS user content	CMS.CU.13 All MS Content	EDB.CU.01 Investigation Analysis	EDB.CU.02 Data Analysis	EDB.CU.03 ReOpen Occurrence	EDB.CU.04 Accept Occurrence	EDB.CU.05 Change Investigator in	EDB.CU.06 Lock & UnLock	EDB.CU.07 Reject Occurrence	EDB.CU.08 Delete Draft Occurrence	EDB.CU.09 Revoke Acceptance	EDB.CU.10 Edit Occurrence	EDB.CU.11 Transfer (IMO, Internal or	EDB.CU.12 Submit Occurrence	EDB.CU.13 Workflow Management	EDB.CU.14 Taxonomy Management	EDB.CU.15 Verification rules	EDB.CU.16 View All occurrences	EDB.CU.21 Ship Register tool	EDB.CU.22 Administrative Module	EDB.CU.23 Related Occurrence	EDB.CU.24 Automatic Safety Recommendations	EDB.CU.25 View Database data	EDB.CU.26 GIS Viewer	EDB.CU.27 Query System	EDB.CU.28 BI System	EDB.CU.29. Revoke Submission	EDB.CU.30 Delete Submitted	OIM.CU.01 Management	
Internal transfer																																							
DAT.003.M – Occurence delegation																X																							
DAT.004.M – Occurence Send to IMO																						X																	
EGI.001.N – Overlays																																		X					
EGI.002.N – Spatial queries																																		X					
EGI.003.N – Vessel position playback/ playforward																																		X					
GUI.001.M – Simple and Visual							X																																
GUI.002.M - State of the art web application							X																																
IBR.002.N – REPORT TEMPLATES																																				X			
IIT.001.M – Data Analysis												X																								X			
IMA.001.M – SOA oriented in/out streams																						X																	

	CMS.CU.01 Management	CMS.CU.02 Tools configuration	CMS.CU.03 Incident Notification Form	CMS.CU.05 GUEST-Research Content	CMS.CU.06 GUEST-Registered	CMS.CU.07 GUEST-Not registered	CMS.CU.08 Content Visualization	CMS.CU.09 Restricted EMSA Users	CMS.CU.10 All EMSA user Contents	CMS.CU.12 MS user content	CMS.CU.13 All MS Content	EDB.CU.01 Investigation Analysis	EDB.CU.02 Data Analysis	EDB.CU.03 ReOpen Occurrence	EDB.CU.04 Accept Occurrence	EDB.CU.05 Change Investigator in	EDB.CU.06 Lock & UnLock	EDB.CU.07 Reject Occurrence	EDB.CU.08 Delete Draft Occurrence	EDB.CU.09 Revoke Acceptance	EDB.CU.10 Edit Occurrence	EDB.CU.11 Transfer (IMO, Internal or	EDB.CU.12 Submit Occurrence	EDB.CU.13 Workflow Management	EDB.CU.14 Taxonomy Management	EDB.CU.15 Verification rules	EDB.CU.16 View All occurrences	EDB.CU.21 Ship Register tool	EDB.CU.22 Administrative Module	EDB.CU.23 Related Occurrence	EDB.CU.24 Automatic Safety Recommendations	EDB.CU.25 View Database data	EDB.CU.26 GIS Viewer	EDB.CU.27 Query System	EDB.CU.28 BI System	EDB.CU.29. Revoke Submission	EDB.CU.30 Delete Submitted	OIM.CU.01 Management	
IMA.002.N – SOA oriented streams from/to other EMSA App											X									X							X												
IMA.003.N – Integration in the EMSA ICT Landscape																											X												
SHP.001.M – Internal repository																												X											
SHP.002.M – External repository																												X											
SHP.003.M – Search Ship																												X											
WFL.001.M – Add/ Edit / Delete Actions																								X															
WFL.002.M – Change Assignments																								X															
WFL.003.M – Add/ Edit / Delete/Reopen Notifications																								X															
TAX.001.M – Taxonomy management																									X														
TAX.002.M – Name and																									X														

		CMS.CU.01 Management
		CMS.CU.02 Tools configuration
		CMS.CU.03 Incident Notification Form
		CMS.CU.05 GUEST-Research Content
		CMS.CU.06 GUEST-Registered
		CMS.CU.07 GUEST-Not registered
		CMS.CU.08 Content Visualization
		CMS.CU.09 Restricted EMSA Users
		CMS.CU.10 All EMSA user Contents
		CMS.CU.12 MS user content
		CMS.CU.13 All MS Content
		EDB.CU.01 Investigation Analysis
		EDB.CU.02 Data Analysis
		EDB.CU.03 ReOpen Occurrence
		EDB.CU.04 Accept Occurrence
		EDB.CU.05 Change Investigator in
		EDB.CU.06 Lock & UnLock
		EDB.CU.07 Reject Occurrence
		EDB.CU.08 Delete Draft Occurrence
		EDB.CU.09 Revoke Acceptance
		EDB.CU.10 Edit Occurrence
		EDB.CU.11 Transfer (IMO, Internal or
		EDB.CU.12 Submit Occurrence
		EDB.CU.13 Workflow Management
		EDB.CU.14 Taxonomy Management
		EDB.CU.15 Verification rules
		EDB.CU.16 View All occurrences
		EDB.CU.21 Ship Register tool
		EDB.CU.22 Administrative Module
		EDB.CU.23 Related Occurrence
		EDB.CU.24 Automatic Safety Recommendations
		EDB.CU.25 View Database data
		EDB.CU.26 GIS Viewer
		EDB.CU.27 Query System
		EDB.CU.28 BI System
		EDB.CU.29. Revoke Submission
		EDB.CU.30 Delete Submitted
		OIM.CU.01 Management
Description of the fields		
TAX.003.M – Position and type of taxonomy field		
TAX.004.M – Migration of current taxonomy		

11. EMCIP Migration

For the migration on of the database information of the existing EMCIP to the New EMCIP system, it is recommend using the import / export functionalities included in most of current CMS systems.

If no CMS system will be used, then standard SQL queries should be used to get the data from the current database (SQL server or Oracle) and inserted into the new database.

It is highly recommended the use of views for each New EMCIP entity defined in Chapter “9 Conceptual Database Model” in order to facilitate the Data analysis to the end user.

The current data base structure is defined in the Annex I: CURRENT EMCIP Data Model Detail.

The following table shows the current database columns defined in Annex I with the related tables, entities and attributes.

Note: More information about the whole taxonomy will be provided to the tenderer/contractor upon request.

Table 11-1 Current EMCIP database Structure

Table	Column	Entity	Attribute	Type
E5AM1	A62	#N/A	Previous versions of Occurrence.	Alphanu meric
E5AM1	A63	#N/A	Previous versions of Occurrence.	Code
E5AM1	A64	#N/A	Previous versions of Occurrence.	Decimals
E5AM1	A65	#N/A	Previous versions of Occurrence.	Decimals
E5AM1	A66	#N/A	Previous versions of Occurrence.	Decimals
E5AM1	A67	#N/A	Previous versions of Occurrence.	Code
E5AM1	A68	Event	Previous versions of Occurrence.	Alphanu meric
E5AM1	A63_T	Event	Previous versions of Occurrence.	Alphanu meric
E5AM1	A63_1	Event	Previous versions of Occurrence.	Code
E5AM1	A63_2	Event	Previous versions of Occurrence.	Code
E5AM1	A67_1	Event	Previous versions of Occurrence.	Code
E5AM1	A1_1	Event	Assistance from MS	Code
E5AM1	A1	Event	Assistance from MS	Code
E5AM2	A2_1	Event	Sequence	Code
E5AM2	A2	Event	Sequence	Code
E5AM22	A22_1	Event	Nr. simultaneous goals	Code
E5AM22	A22_2	Event	Nr. simultaneous goals	Code
E5AM22	A22	Final Report	Nr. simultaneous goals	Code
E5AM24	A24_1	Final Report	Time to extinguish	Code
E5AM24	A24_2	Final Report	Time to extinguish	Code
E5AM24	A24_3	Final Report	Time to extinguish	Code
E5AM24	A24	Final Report	Time to extinguish	Code

Table	Column	Entity	Attribute	Type
E5AM31	A31_1	Final Report	Rated amplitude of roll (maximum)	Code
E5AM31	A31	Final Report	Rated amplitude of roll (maximum)	Code
E5E11	A74	Final Report	Previous versions of Occurrence.	Code
E5E11	A74_1	Final Report	Previous versions of Occurrence.	Code
E5E11	A256_1	Final Report	Permanent condition	Code
E5E11	A256_2	Final Report	Permanent condition	Code
E5E11	A256	Final Report	Permanent condition	Code
E5E11	A265_1	Occurrence General Note	Temporary condition	Code
E5E11	A265_2	Occurrence General Note	Temporary condition	Code
E5E11	A265	Occurrence General Note	Temporary condition	Code
E5E11	A266_1	Occurrence General Note	Lack training	Code
E5E11	A266_2	Occurrence General Note	Lack training	Code
E5E11	A266	Occurrence General Note	Lack training	Code
E5E11	A345_1	Occurrence General Note	Coastal states aff.	Code
E5E11	A345	Occurrence General Note	Coastal states aff.	Code
E5E11	A350_1	Occurrence General Note	EMCIP Keywords	Code
E5E11	A350_2	Occurrence General Note	EMCIP Keywords	Code
E5E11	A350_3	Occurrence General Note	EMCIP Keywords	Code
E5E11	A350_T	Occurrence General Note	EMCIP Keywords	Alphanu meric
E5E11	A350	Occurrence General Note	EMCIP Keywords	Code
E5E11	A370_1	Occurrence General Note	Other int. States	Code
E5E11	A370	Occurrence General Note	Other int. States	Code
E5E11	A390_1	Occurrence General Note	Addressee(s) coding	Code
E5E11	A390	Occurrence General Note	Addressee(s) coding	Code
E5E11	A393	Occurrence General Note	Name addressee(s)	Alphanu meric
E5E11	A526_1	Occurrence General Note	Previous versions of Occurrence.	Code
E5E11	A526_2	Occurrence General Note	Previous versions of Occurrence.	Code
E5E11	A526	Occurrence General Note	Previous versions of Occurrence.	Code
E5E11	A529	Occurrence General Note	Previous versions of Occurrence.	Alphanu meric
E5E12	A78	Occurrence General Note	Previous versions of Occurrence.	Number
E5E12	A79	Occurrence General Note	Previous versions of Occurrence.	Number
E5E12	A80	Occurrence General Note	Previous versions of Occurrence.	Number
E5E12	A81	Occurrence General Note	Previous versions of Occurrence.	Number
E5E12	A82	Occurrence General Note	Previous versions of Occurrence.	Number
E5E12	A83	Occurrence General Note	Previous versions of Occurrence.	Number
E5E12	A84	Occurrence General Note	Previous versions of Occurrence.	Number
E5E12	A85	Occurrence General Note	Previous versions of Occurrence.	Number

Table	Column	Entity	Attribute	Type
E5E12	A86	Occurrence General Note	Previous versions of Occurrence.	Number
E5E12	A87	Occurrence General Note	Previous versions of Occurrence.	Number
E5E12	A88	Occurrence General Note	Previous versions of Occurrence.	Number
E5E12	A89	Occurrence General Note	Previous versions of Occurrence.	Number
E5E12	A90	Occurrence General Note	Previous versions of Occurrence.	Number
E5E12	A91	Occurrence General Note	Previous versions of Occurrence.	Number
E5E12	A92	Occurrence General Note	Previous versions of Occurrence.	Number
E5E12	A93	Occurrence General Note	Previous versions of Occurrence.	Number
E5E12	A94	Occurrence General Note	Previous versions of Occurrence.	Number
E5E12	A95	#N/A	Previous versions of Occurrence.	Number
E5E12	A96	#N/A	Previous versions of Occurrence.	Number
E5E12	A97	#N/A	Previous versions of Occurrence.	Number
E5E12	A98	#N/A	Previous versions of Occurrence.	Number
E5E12	A76	#N/A	Previous versions of Occurrence.	Number
E5E12	A77	Consequences - Loss of ship	Previous versions of Occurrence.	Number
E5E12	A303	Consequences - Loss of ship	Lives lost - Passenger - Casualty	Number
E5E12	A4203_1	Consequences - People	Use of alarm signal	Code
E5E12	A4203_2	Consequences - People	Use of alarm signal	Code
E5E12	A4203	Consequences - People	Use of alarm signal	Code
E5E12	A4230_1	Consequences - People	Wind force during SAR	Code
E5E12	A4230	Consequences - People	Wind force during SAR	Code
E5E12	A4259	Consequences - People	Bollard pull	Alphanu meric
E5E12	WID	Consequences - People	Previous versions of Occurrence.	Number
E5E13	A99	Consequences - People	Previous versions of Occurrence.	Code
E5E13	A100	Consequences - People	Assistance from MS	Number
E5E13	A101	Consequences - People	Assistance from MS	Number
E5E13	A102	Consequences - People	Assistance from MS	Code
E5E13	A103	Consequences - People	Assistance from MS	Code
E5E13	A104	Consequences - People	Assistance from MS	Code
E5E13	A105	Consequences - People	Assistance from MS	Code
E5E13	A106	Consequences - People	Assistance from MS	Code
E5E13	A107	Consequences - People	Assistance from MS	Code
E5E13	A108	Consequences - People	Assistance from MS	Code
E5E13	A109	Consequences - People	Assistance from MS	Code
E5E13	A110	Consequences - People	Assistance from MS	Code
E5E13	A111	Consequences - People	Assistance from MS	Code
E5E13	A112	Consequences - People	Assistance from MS	Code
E5E13	A113	Consequences - People	Assistance from MS	Code

Table	Column	Entity	Attribute	Type
E5E13	A114	Consequences - People	Assistance from MS	Code
E5E13	A115	Consequences - People	Assistance from MS	Code
E5E13	A116	Consequences - Person	Assistance from MS	Code
E5E13	A99_1	Consequences - Person	Previous versions of Occurrence.	Code
E5E13	A99_2	Consequences - Person	Previous versions of Occurrence.	Code
E5E13	A99_3	Consequences - Person	Previous versions of Occurrence.	Code
E5E13	A102_1	Consequences - Person	Assistance from MS	Code
E5E13	A102_2	Consequences - Person	Assistance from MS	Code
E5E13	A103_1	Consequences - Person	Assistance from MS	Code
E5E13	A104_1	Consequences - Person	Assistance from MS	Code
E5E13	A105_1	Consequences - Person	Assistance from MS	Code
E5E13	A106_1	Consequences - Person	Assistance from MS	Code
E5E13	A106_2	Consequences - Person	Assistance from MS	Code
E5E13	A107_1	Consequences - Person	Assistance from MS	Code
E5E13	A108_1	Consequences - Person	Assistance from MS	Code
E5E13	A109_1	Consequences - Person	Assistance from MS	Code
E5E13	A110_1	Consequences - Person	Assistance from MS	Code
E5E13	A110_2	Consequences - Person	Assistance from MS	Code
E5E13	A111_1	Consequences - Person	Assistance from MS	Code
E5E13	A112_1	Consequences - Person	Assistance from MS	Code
E5E13	A113_1	Consequences - Person	Assistance from MS	Code
E5E13	A113_2	Consequences - Person	Assistance from MS	Code
E5E13	A114_1	Consequences - Person	Assistance from MS	Code
E5E13	A115_1	Consequences - Person	Assistance from MS	Code
E5E13	A115_2	Consequences - Person	Assistance from MS	Code
E5E13	A116_1	Consequences - Person	Assistance from MS	Code
E5E13	A116_2	Consequences - Person	Assistance from MS	Code
E5E13	WID	Consequences - Person	Previous versions of Occurrence.	Number
E5E13	WID	Consequences - Person	Previous versions of Occurrence.	Number
E5E13	WID	Consequences - Person	Assistance from MS	Number
E5E13	WID	Consequences - Person	Assistance from MS	Number
E5E13	WID	Consequences - Person	CF description	Number
E5E13	WID	Consequences - Person	Event description	Number
E5E13	WID	Consequences - Person	Adequacy	Number
E5E13	WID	Consequences - Person	Action taken by crew	Number
E5E13	WID	Consequences - Person	Contain/extinguish fire	Number
E5E13	WID	Consequences - Person	Obs./comments	Number
E5E14	A117	Consequences - Person	Assistance from MS	Alphanu meric
E5E14	A118	Consequences - Person	Assistance from MS	Code
E5E14	A119	Consequences - Person	Assistance from MS	Decimals

Table	Column	Entity	Attribute	Type
E5E14	A120	Consequences - Person	Assistance from MS	Decimals
E5E14	A122	Consequences - Person	Assistance from MS	Alphanumeric
E5E14	A118_T	Consequences - Person	Assistance from MS	Alphanumeric
E5E14	A118_1	Consequences - Person	Assistance from MS	Code
E5E14	A118_2	Consequences - Solid cargo in bulk - Material	Assistance from MS	Code
E5E14	WID	Consequences - Solid cargo in bulk - Material	Protection escape means	Number
E5E14	WID	Consequences - Solid cargo in bulk - Material	Service conditions	Number
E5E14	WID	Consequences - Solid cargo in bulk - Material	Under action of helm	Number
E5E14	WID	Consequences - Solid cargo in bulk - Material	Vulner. openings closed	Number
E5E14	WID	Consequences - Solid cargo in bulk - Material	Special instructions	Number
E5E14	WID	Consequences - Solid cargo in bulk - Material	Modification note	Number
E5E14	WID	Consequences - Solid cargo in bulk - Material	Description	Number
E5E14	WID	Consequences - Third party	Action(s) taken	Number
E5E14	WID	Consequences - Third party	Recommendation	Number
E5E14	WID	Consequences - Third party	Additional aspects	Number
E5E15	A123	Consequences - Third party	Assistance from MS	Decimals
E5E15	A124	Consequences - Third party	Assistance from MS	Decimals
E5E15	A125	Consequences - Third party	Assistance from MS	Decimals
E5E15	A126	Consequences - Third party	Assistance from MS	Number
E5E15	A127	Consequences - Third party	Assistance from MS	Decimals
E5E15	A128	Accidental event - Environmental effect	Assistance from MS	Decimals
E5E15	A129	Accidental event - Environmental effect	Assistance from MS	Number
E5E15	A130	Accidental event - Environmental effect	Assistance from MS	Decimals
E5E15	WID	Accidental event - Environmental effect	Distress message	Number
E5E15	WID	Accidental event - Environmental effect	Distress comm. signals	Number
E5E15	WID	Accidental event - Environmental effect	EPIRB or EPIRB details	Number
E5E15	WID	Accidental event - Environmental effect	Equip. survival craft	Number

Table	Column	Entity	Attribute	Type
E5E15	WID	Accidental event - Environmental effect	Language difficulties	Number
E5E15	WID	Accidental event - Environmental effect	On-scene comm.	Number
E5E15	WID	Accidental event - Environmental effect	Previous versions of Occurrence.	Number
E5E15	WID	Accidental event - Environmental effect	Previous versions of Occurrence.	Number
E5E15	WID	Accidental event - Environmental effect	Assistance from MS	Number
E5E15	WID	Accidental event - Environmental effect	Nr. simultaneous goals	Number
E5E17	A35	Accidental event - Environmental effect	Date Last Modification	Decimals
E5E17	A37	Accidental event - Environmental effect	SAR intervention	Decimals
E5E17	A174	Accidental event - Environmental effect	Impact	Code
E5E17	A175	Accidental event - Environmental effect	Phenomenon	Code
E5E17	A192	Accidental event - Environmental effect	Actor	Alphanumeric
E5E17	A193	Factor	Casualty stage	Code
E5E17	A195	Factor	Event description	Text
E5E17	A196	Factor	Event type	Code
E5E17	A198	Factor	Place actor on board	Code
E5E17	A174_1	Factor	Impact	Code
E5E17	A175_1	Factor	Phenomenon	Code
E5E17	A193_1	Accidental event - Equipment failure	Casualty stage	Code
E5E17	A193_2	Accidental event - Equipment failure	Casualty stage	Code
E5E17	A193_3	Accidental event - Equipment failure	Casualty stage	Code
E5E17	A196_1	Accidental event - Equipment failure	Event type	Code
E5E17	A198_1	Accidental event - Equipment failure	Place actor on board	Code
E5E17	A198_2	Accidental event - Equipment failure	Place actor on board	Code
E5E17	A195_P	Accidental event - Equipment failure	Event description	Text
E5E17	WID	Accidental event - Equipment failure	Righting levers (GZ) based on (G), for angles of heel :	Number

Table	Column	Entity	Attribute	Type
E5E17	WID	Accidental event - Equipment failure	Start of distress phase	Number
E5E17	WID	Accidental event - Equipment failure	Use of alarm signal	Number
E5E17	WID	Accidental event - Equipment failure	Weather in SAR ops.	Number
E5E17	WID	Accidental event - Equipment failure	Weather in SAR ops.	Number
E5E17	WID	Accidental event - Equipment failure	Weather in SAR ops.	Number
E5E17	WID	Accidental event - Equipment failure	Auxiliary propulsion	Number
E5E17	WID	Accidental event - Equipment failure	Bollard pull	Number
E5E17	OCCDATA LAST MOD	Accidental event - Equipment failure	Previous versions of Occurrence.	DateTime
E5E17	OCCSR	Accidental event - Equipment failure	Previous versions of Occurrence.	Number
E5E17	OCCSFNR	Accidental event - Equipment failure	Previous versions of Occurrence.	Alphanumeric
E5E17	BLOBKEY	Accidental event - Equipment failure	Previous versions of Occurrence.	Alphanumeric
E5E17	OCCDATA LAST INSERT	Accidental event - Equipment failure	Previous versions of Occurrence.	DateTime
E5E17	DESCRIPTION	Accidental event - Equipment failure	Previous versions of Occurrence.	Alphanumeric
E5E17	OCCDATA LAST MOD	Accidental event - Equipment failure	Use of alarm signal	DateTime
E5E17	OCCSR	Accidental event - Equipment failure	Use of alarm signal	Number
E5E17	OCCSFNR	Accidental event - Equipment failure	Use of alarm signal	Alphanumeric
E5E17	BLOBKEY	Accidental event - Equipment failure	Use of alarm signal	Alphanumeric
E5E17	OCCDATA LAST INSERT	Accidental event - Equipment failure	Use of alarm signal	DateTime
E5E17	DESCRIPTION	Accidental event - Equipment failure	Use of alarm signal	Alphanumeric
E5E18	A194	Event	CF description	Text
E5E18	A197	Event	CF coding	Code
E5E18	A197_1	Event	CF coding	Code
E5E18	A197_2	Event	CF coding	Code
E5E18	A197_3	Event	CF coding	Code
E5E18	A194_P	Event	CF description	Text

Table	Column	Entity	Attribute	Type
E5E18	FILEEXTENSION	Event	Use of alarm signal	Alphanumeric
E5E18	FILENAME	Event	Use of alarm signal	Alphanumeric
E5E18	FILESIZE	Event	Use of alarm signal	Number
E5E18	MIMETYPE	Event	Use of alarm signal	Alphanumeric
E5E18	DESCRIPTION	Accidental event - Hazardous material	Use of alarm signal	Alphanumeric
E5E18	DATELASTMODIFICATION	Accidental event - Hazardous material	Use of alarm signal	DateTime
E5E18	BLOBKEY	Accidental event - Hazardous material	Use of alarm signal	Alphanumeric
E5E18	FILEEXTENSION	Accidental event - Hazardous material	Wind force during SAR	Alphanumeric
E5E18	FILENAME	Accidental event - Hazardous material	Wind force during SAR	Alphanumeric
E5E18	FILESIZE	Accidental event - Hazardous material	Wind force during SAR	Number
E5E18	MIMETYPE	Accidental event - Hazardous material	Wind force during SAR	Alphanumeric
E5E18	DESCRIPTION	Accidental event - Hazardous material	Wind force during SAR	Alphanumeric
E5E18	DATELASTMODIFICATION	Accidental event - Hazardous material	Wind force during SAR	DateTime
E5E18	BLOBKEY	Accidental event - Hazardous material	Wind force during SAR	Alphanumeric
E5E18	FILEEXTENSION	Accidental event - Hazardous material	Bollard pull	Alphanumeric
E5E18	FILENAME	Accidental event - Hazardous material	Bollard pull	Alphanumeric
E5E18	FILESIZE	Accidental event - Hazardous material	Bollard pull	Number
E5E18	MIMETYPE	Accidental event - Hazardous material	Bollard pull	Alphanumeric
E5E18	DESCRIPTION	Accidental event - Hazardous material	Bollard pull	Alphanumeric
E5E18	DATELASTMODIFICATION	Accidental event - Hazardous material	Bollard pull	DateTime
E5E18	BLOBKEY	Accidental event - Hazardous material	Bollard pull	Alphanumeric
E5E18	FILEEXTENSION	Accidental event - Hazardous material	Brand name of craft	Alphanumeric

Table	Column	Entity	Attribute	Type
E5E18	FILENAME	Accidental event - Hazardous material	Brand name of craft	Alphanumeric
E5E18	FILESIZE	Accidental event - Hazardous material	Brand name of craft	Number
E5E18	MIMETYPE	Accidental event - Hazardous material	Brand name of craft	Alphanumeric
E5E18	DESCRIPTION	Accidental event - Hazardous material	Brand name of craft	Alphanumeric
E5E18	DATELASTMODIFICATION	Accidental event - Hazardous material	Brand name of craft	DateTime
E5E18	BLOBKEY	Accidental event - Hazardous material	Brand name of craft	Alphanumeric
E5E18	A361	Accidental event - Hazardous material	Casualty Report Nr.	Alphanumeric
E5E18	A355	Accidental event - Hazardous material	State Reporting	Code
E5E18	A355_1	Accidental event - Hazardous material	State Reporting	Code
E5E19	A188	Accidental event - Human Erroneous Action	Damage class	Code
E5E19	A189	Accidental event - Human Erroneous Action	Failure mode	Code
E5E19	A190	Accidental event - Human Erroneous Action	Physical cause	Code
E5E19	A191	Accidental event - Human Erroneous Action	System	Code
E5E19	A1192	Accidental event - Human Erroneous Action	Assistance from MS	Code
E5E19	A1193	Accidental event - Human Erroneous Action	Assistance from MS	Code
E5E19	A1195	Accidental event - Human Erroneous Action	Assistance from MS	Text
E5E19	A1196	Accidental event - Human Erroneous Action	Assistance from MS	Code
E5E19	A1198	Accidental event - Human Erroneous Action	Assistance from MS	Code
E5E19	A191_T	Accidental event - Human Erroneous Action	System	Alphanumeric
E5E19	A1192_T	Accidental event - Human Erroneous Action	Assistance from MS	Alphanumeric
E5E19	A188_1	Accidental event - Human Erroneous Action	Damage class	Code
E5E19	A189_1	Accidental event - Human Erroneous Action	Failure mode	Code

Table	Column	Entity	Attribute	Type
E5E19	A189_2	Accidental event - Human Erroneous Action	Failure mode	Code
E5E19	A190_1	Accidental event - Human Erroneous Action	Physical cause	Code
E5E19	A190_2	Accidental event - Human Erroneous Action	Physical cause	Code
E5E19	A191_1	Accidental event - Human Erroneous Action	System	Code
E5E19	A1192_1	Accidental event - Human Erroneous Action	Assistance from MS	Code
E5E19	A1192_2	Accidental event - Human Erroneous Action	Assistance from MS	Code
E5E19	A1192_3	Accidental event - Human Erroneous Action	Assistance from MS	Code
E5E19	A1193_1	Accidental event - Human Erroneous Action	Assistance from MS	Code
E5E19	A1193_2	Accidental event - Human Erroneous Action	Assistance from MS	Code
E5E19	A1193_3	Accidental event - Human Erroneous Action	Assistance from MS	Code
E5E19	A1196_1	Accidental event - Human Erroneous Action	Assistance from MS	Code
E5E19	A1198_1	Accidental event - Human Erroneous Action	Assistance from MS	Code
E5E19	A1198_2	Accidental event - Human Erroneous Action	Assistance from MS	Code
E5E19	A1195_P	Accidental event - Human Erroneous Action	Assistance from MS	Text
E5E20	A391	Accidental event - Human Erroneous Action	Accomplishment date	Alphanumeric
E5E20	A392	Accidental event - Human Erroneous Action	Action(s) taken	Text
E5E20	A394	Accidental event - Human Erroneous Action	Date to comply	Alphanumeric
E5E20	A395	Accidental event - Human Erroneous Action	Recommendation	Text
E5E20	A396	Accidental event - Human Erroneous Action	Was agreed	Code
E5E20	A397	Accidental event - Human Erroneous Action	Coding	Code
E5E20	A396_1	Accidental event - Human Erroneous Action	Was agreed	Code
E5E20	A397_1	Accidental event - Human Erroneous Action	Coding	Code

Table	Column	Entity	Atribute	Type
E5E20	A397_2	Accidental event - Human Erroneous Action	Coding	Code
E5E20	A392_P	Accidental event - Human Erroneous Action	Action(s) taken	Text
E5E20	A395_P	Accidental event - Human Erroneous Action	Recommendation	Text
E5E20	A199	Accidental event - Human Erroneous Action	Sequence	Number
E5E20	A520	Accidental event - Human Erroneous Action	Previous versions of Occurrence.	Code
E5E20	A521	Accidental event - Human Erroneous Action	Previous versions of Occurrence.	Code
E5E20	A522	Accidental event - Human Erroneous Action	Previous versions of Occurrence.	Code
E5E20	A520_1	Accidental event - Human Erroneous Action	Previous versions of Occurrence.	Code
E5E20	A520_2	Accidental event - Human Erroneous Action	Previous versions of Occurrence.	Code
E5E20	A520_3	Accidental event - Human Erroneous Action	Previous versions of Occurrence.	Code
E5E20	A521_1	Accidental event - Human Erroneous Action	Previous versions of Occurrence.	Code
E5E20	A521_2	Accidental event - Human Erroneous Action	Previous versions of Occurrence.	Code
E5E20	A522_1	Accidental event - Human Erroneous Action	Previous versions of Occurrence.	Code
E5E24	A243	Accidental event - Human Erroneous Action	Failure type	Code
E5E24	A244	Accidental event - Human Erroneous Action	Hazard	Code
E5E24	A245	Accidental event - Human Erroneous Action	Material	Code
E5E24	A246	Accidental event - Human Erroneous Action	Material type	Code
E5E24	A2192	Accidental event - Human Erroneous Action	Nr. simultaneous goals	Alphanu meric
E5E24	A2193	Accidental event - Human Erroneous Action	Nr. simultaneous goals	Code
E5E24	A2195	Accidental event - Human Erroneous Action	Nr. simultaneous goals	Text
E5E24	A2196	Accidental event - Human Erroneous Action	Nr. simultaneous goals	Code
E5E24	A2198	Accidental event - Human Erroneous Action	Nr. simultaneous goals	Code

Table	Column	Entity	Attribute	Type
E5E24	A245_T	Accidental event - Human Erroneous Action	Material	Alphanumeric
E5E24	A243_1	Accidental event - Human Erroneous Action	Failure type	Code
E5E24	A243_2	Accidental event - Human Erroneous Action	Failure type	Code
E5E24	A244_1	Accidental event - Human Erroneous Action	Hazard	Code
E5E24	A244_2	Accidental event - Human Erroneous Action	Hazard	Code
E5E24	A245_1	Accidental event - Human Erroneous Action	Material	Code
E5E24	A245_2	Narratives	Material	Code
E5E24	A245_3	Narratives	Material	Code
E5E24	A245_4	Narratives	Material	Code
E5E24	A246_1	Narratives	Material type	Code
E5E24	A246_2	Occurrence	Material type	Code
E5E24	A2193_1	Occurrence	Nr. simultaneous goals	Code
E5E24	A2193_2	Occurrence	Nr. simultaneous goals	Code
E5E24	A2193_3	Occurrence	Nr. simultaneous goals	Code
E5E24	A2196_1	Occurrence	Nr. simultaneous goals	Code
E5E24	A2198_1	Occurrence	Nr. simultaneous goals	Code
E5E24	A2198_2	Occurrence	Nr. simultaneous goals	Code
E5E24	A2195_P	Occurrence	Nr. simultaneous goals	Text
E5E25	A213	Occurrence	Duration sleep (24h)	Decimals
E5E25	A214	Occurrence	Hours of rest (24-h)	Decimals
E5E25	A215	Occurrence	Hours of rest (7-days)	Decimals
E5E25	A216	Occurrence	Duty-time before acc.	Decimals
E5E25	A218	Occurrence	Jet lag	Decimals
E5E25	A219	Occurrence	Nr. simultaneous goals	Number
E5E25	A220	Occurrence	Poor quality of sleep	Code
E5E25	A221	Occurrence	Quantity of sleep	Decimals
E5E25	A222	Occurrence	Time of day	Code
E5E25	A223	Occurrence	Nr. of rest periods	Number
E5E25	A224	Occurrence	Longest rest period	Decimals
E5E25	A247	Occurrence	Age	Decimals
E5E25	A248	Occurrence	Current qualification	Decimals
E5E25	A249	Occurrence	Error modes	Code
E5E25	A250	Occurrence	Gender	Code
E5E25	A251	Occurrence	Inadequate handover	Decimals
E5E25	A252	Occurrence	Interpretation	Code
E5E25	A253	Occurrence	Nationality	Code

Table	Column	Entity	Attribute	Type
E5E25	A254	Occurrence	Observation	Code
E5E25	A255	Occurrence	On duty	Code
E5E25	A257	Occurrence	Planning	Code
E5E25	A258	Occurrence	Present rank	Decimals
E5E25	A259	Occurrence	Previous experience	Decimals
E5E25	A260	Occurrence	Rank	Code
E5E25	A261	Occurrence	Current employer	Decimals
E5E25	A262	Occurrence	Service at sea	Decimals
E5E25	A263	Occurrence	COC issued by	Code
E5E25	A264	Occurrence	Task	Code
E5E25	A590	Occurrence	Previous versions of Occurrence.	Decimals
E5E25	A591	Occurrence	Previous versions of Occurrence.	Decimals
E5E25	A592	Occurrence	Previous versions of Occurrence.	Code
E5E25	A3192	Occurrence	Righting levers (GZ) based on (G), for angles of heel :	Alphanu meric
E5E25	A3193	Occurrence	Righting levers (GZ) based on (G), for angles of heel :	Code
E5E25	A3195	Occurrence	Righting levers (GZ) based on (G), for angles of heel :	Text
E5E25	A3196	Occurrence	Righting levers (GZ) based on (G), for angles of heel :	Code
E5E25	A3198	Occurrence	Righting levers (GZ) based on (G), for angles of heel :	Code
E5E25	A220_1	Occurrence	Poor quality of sleep	Code
E5E25	A222_1	Occurrence	Time of day	Code
E5E25	A249_1	Occurrence	Error modes	Code
E5E25	A249_2	Occurrence	Error modes	Code
E5E25	A249_3	Occurrence	Error modes	Code
E5E25	A250_1	Occurrence	Gender	Code
E5E25	A252_1	Occurrence	Interpretation	Code
E5E25	A252_2	Occurrence	Interpretation	Code
E5E25	A253_1	Occurrence	Nationality	Code
E5E25	A254_1	Occurrence	Observation	Code
E5E25	A254_2	Occurrence	Observation	Code
E5E25	A255_1	Occurrence	On duty	Code
E5E25	A257_1	Occurrence	Planning	Code
E5E25	A257_2	Occurrence	Planning	Code
E5E25	A260_1	Occurrence	Rank	Code
E5E25	A263_1	Occurrence	COC issued by	Code
E5E25	A264_1	Occurrence	Task	Code
E5E25	A264_2	Occurrence	Task	Code
E5E25	A264_3	Occurrence	Task	Code

Table	Column	Entity	Attribute	Type
E5E25	A592_1	Occurrence	Previous versions of Occurrence.	Code
E5E25	A3193_1	Occurrence	Righting levers (GZ) based on (G), for angles of heel :	Code
E5E25	A3193_2	Occurrence	Righting levers (GZ) based on (G), for angles of heel :	Code
E5E25	A3193_3	Occurrence	Righting levers (GZ) based on (G), for angles of heel :	Code
E5E25	A3196_1	Occurrence	Righting levers (GZ) based on (G), for angles of heel :	Code
E5E25	A3198_1	Occurrence	Righting levers (GZ) based on (G), for angles of heel :	Code
E5E25	A3198_2	Occurrence	Righting levers (GZ) based on (G), for angles of heel :	Code
E5E25	A3195_P	Occurrence	Righting levers (GZ) based on (G), for angles of heel :	Text
E5E27	A341	Occurrence	Language	Code
E5E27	A342	Occurrence	Description	Text
E5E27	A341_1	Occurrence	Language	Code
E5E27	A342_P	Occurrence	Description	Text
E5E28	A3	Occurrence	Water trapped on deck	Code
E5E28	A4	Occurrence	Arrival of SAR unit	Alphanu meric
E5E28	A5	Occurrence	Previous versions of Occurrence.	Text
E5E28	A6	Occurrence	Previous versions of Occurrence.	Number
E5E28	A7	Occurrence	Previous versions of Occurrence.	Alphanu meric
E5E28	A8	Occurrence	Previous versions of Occurrence.	Alphanu meric
E5E28	A9	Occurrence	Previous versions of Occurrence.	Text
E5E28	A178	Occurrence	Estimated cost	Decimals
E5E28	A183	Occurrence	Response time	Decimals
E5E28	A184	Occurrence	Response to spill	Code
E5E28	A187	Occurrence	Area type	Code
E5E28	A200	Occurrence	Air temperature	Decimals
E5E28	A201	Occurrence	Ship/wall interaction	Decimals
E5E28	A202	Occurrence	Current/tide condition	Code
E5E28	A203	Occurrence	Ice obstructions	Code
E5E28	A204	Occurrence	Natural light	Code
E5E28	A205	Occurrence	Sea state	Code
E5E28	A206	Occurrence	Swell direction	Code
E5E28	A207	Occurrence	Visibility	Code
E5E28	A208	Occurrence	Water temperature	Decimals

Table	Column	Entity	Attribute	Type
E5E28	A209	Occurrence	Weather conditions	Code
E5E28	A210	Occurrence	Wind direction	Code
E5E28	A211	Occurrence	Wind direction angle	Decimals
E5E28	A212	Occurrence	Wind force	Code
E5E28	A335	Occurrence	Wave length	Decimals
E5E28	A343	Occurrence	Air pollution	Code
E5E28	A346	Occurrence	Date of casualty	Alphanu meric
E5E28	A347	Occurrence	Date of notification	Alphanu meric
E5E28	A348	Occurrence	Date Report Created	DateTime
E5E28	A349	Occurrence	Date Last Modification	DateTime
E5E28	A352	Occurrence	Investigating state	Code
E5E28	A353	Occurrence	EU investig. State?	Code
E5E28	A354	Occurrence	Occurrence location	Code
E5E28	A356	Occurrence	Member State role	Code
E5E28	A357	Occurrence	Competent authority	Code
E5E28	A359	Occurrence	Nature occurrence	Code
E5E28	A360	Occurrence	Notification entity	Code
E5E28	A362	Occurrence	Nr. ships involved	Number
E5E28	A365	Occurrence	Occurrence severity	Code
E5E28	A366	Occurrence	Oil pollution response	Code
E5E28	A367	Occurrence	Latitude	Latitude
E5E28	A368	Occurrence	Longitude	Eccairs Data Link
E5E28	A369	Occurrence	SAR intervention	Code
E5E28	A371	Occurrence	Other damage	Code
E5E28	A372	Occurrence	Time of casualty	Alphanu meric
E5E28	A373	Occurrence	Time of notification	Alphanu meric
E5E28	A374	Occurrence	Title	Alphanu meric
E5E28	A375	Occurrence	Traffic density	Code
E5E28	A376	Occurrence	User (Us)	Alphanu meric
E5E28	A377	Occurrence	VDR used	Code
E5E28	A378	Occurrence	Lives lost - Crew - Total	Number
E5E28	A379	Occurrence	Lives lost - Other - Total	Number
E5E28	A380	Occurrence	Lives lost - Passenger - Total	Number
E5E28	A381	Occurrence	Lives lost - Total	Number
E5E28	A382	Occurrence	People injured - Crew - Total	Number

Table	Column	Entity	Attribute	Type
E5E28	A383	Occurrence	People injured - Other - Total	Number
E5E28	A384	Occurrence	People injured - Passenger - Total	Number
E5E28	A385	Occurrence	People injured - Total	Number
E5E28	A398	Occurrence	Additional aspects	Text
E5E28	A399	Occurrence	Arrival of SAR unit	Alphanu meric
E5E28	A400	Occurrence	Distress message	Text
E5E28	A401	Occurrence	GMDSS facilities	Code
E5E28	A402	Occurrence	Distress comm. signals	Text
E5E28	A403	Occurrence	GMDSS sea area (s)	Code
E5E28	A404	Occurrence	EPIRB or EPIRB details	Text
E5E28	A405	Occurrence	Equip. survival craft	Text
E5E28	A406	Occurrence	Language difficulties	Text
E5E28	A407	Occurrence	On-scene comm.	Text
E5E28	A408	Occurrence	RCC distress relay by	Code
E5E28	A409	Occurrence	RCC relay frequency	Decimals
E5E28	A410	Occurrence	Alert acknowledged by	Code
E5E28	A411	Occurrence	RCC alert ack. frequency	Decimals
E5E28	A412	Occurrence	SAR communications	Code
E5E28	A413	Occurrence	SAR comm. frequency	Decimals
E5E28	A414	Occurrence	Sea state in SAR ops.	Code
E5E28	A415	Occurrence	Ship's distress relay by	Code
E5E28	A416	Occurrence	Ship's distress relay freq.	Decimals
E5E28	A417	Occurrence	Ship's distress alert by	Code
E5E28	A418	Occurrence	Ship's distress alert freq.	Decimals
E5E28	A419	Occurrence	Start of distress phase	Alphanu meric
E5E28	A420	Occurrence	Use of alarm signal	Code
E5E28	A421	Occurrence	Position transmitted	Code
E5E28	A422	Occurrence	Weather in SAR ops.	Code
E5E28	A423	Occurrence	Wind force during SAR	Code
E5E28	A519	Occurrence	Previous versions of Occurrence.	DateTime
E5E28	A523	Occurrence	Previous versions of Occurrence.	Decimals
E5E28	A524	Occurrence	Previous versions of Occurrence.	Decimals
E5E28	A527	Occurrence	Previous versions of Occurrence.	Alphanu meric
E5E28	A528	Occurrence	Previous versions of Occurrence.	Alphanu meric
E5E28	A531	Occurrence	Previous versions of Occurrence.	Code
E5E28	A532	Occurrence	Previous versions of Occurrence.	Code
E5E28	A543	Occurrence	Previous versions of Occurrence.	Code

Table	Column	Entity	Attribute	Type
E5E28	A544	Occurrence	Previous versions of Occurrence.	Alphanumeric
E5E28	A545	Occurrence	Previous versions of Occurrence.	Text
E5E28	A593	Occurrence	Previous versions of Occurrence.	Code
E5E28	A594	Occurrence	Previous versions of Occurrence.	Alphanumeric
E5E28	A595	Occurrence	Previous versions of Occurrence.	Alphanumeric
E5E28	A596	Occurrence	Previous versions of Occurrence.	Alphanumeric
E5E28	A4199	Occurrence	Start of distress phase	Decimals
E5E28	A4200	Occurrence	Use of alarm signal	Code
E5E28	A4202	Occurrence	Use of alarm signal	Text
E5E28	A4209	Occurrence	Use of alarm signal	Code
E5E28	A4223	Occurrence	Weather in SAR ops.	Text
E5E28	A4224	Occurrence	Weather in SAR ops.	Decimals
E5E28	A4248	Occurrence	Auxiliary propulsion	Code
E5E28	A4253	Occurrence	Bollard pull	Code
E5E28	A4257	Occurrence	Bollard pull	Code
E5E28	A3_1	Occurrence	Water trapped on deck	Code
E5E28	A184_1	Occurrence	Response to spill	Code
E5E28	A187_1	Accidental event - Other agent or vessel	Area type	Code
E5E28	A202_1	Accidental event - Other agent or vessel	Current/tide condition	Code
E5E28	A203_1	Accidental event - Other agent or vessel	Ice obstructions	Code
E5E28	A204_1	Accidental event - Other agent or vessel	Natural light	Code
E5E28	A205_1	Accidental event - Other agent or vessel	Sea state	Code
E5E28	A206_1	Accidental event - Other agent or vessel	Swell direction	Code
E5E28	A206_2	Accidental event - Other agent or vessel	Swell direction	Code
E5E28	A207_1	Accidental event - Other agent or vessel	Visibility	Code
E5E28	A209_1	Accidental event - Other agent or vessel	Weather conditions	Code
E5E28	A210_1	Accidental event - Other agent or vessel	Wind direction	Code
E5E28	A210_2	Accidental event - Other agent or vessel	Wind direction	Code

Table	Column	Entity	Attribute	Type
E5E28	A212_1	Accidental event - Other agent or vessel	Wind force	Code
E5E28	A343_1	Accidental event - Other agent or vessel	Air pollution	Code
E5E28	A352_1	Accidental event - Other agent or vessel	Investigating state	Code
E5E28	A353_1	Accidental event - Other agent or vessel	EU investig. State?	Code
E5E28	A354_1	Accidental event - Other agent or vessel	Occurrence location	Code
E5E28	A354_2	Ranks/crew	Occurrence location	Code
E5E28	A356_1	Ranks/crew	Member State role	Code
E5E28	A357_1	Ranks/crew	Competent authority	Code
E5E28	A357_2	Vessel	Competent authority	Code
E5E28	A359_1	Vessel	Nature occurrence	Code
E5E28	A360_1	Vessel	Notification entity	Code
E5E28	A365_1	Vessel	Occurrence severity	Code
E5E28	A366_1	Vessel	Oil pollution response	Code
E5E28	A369_1	Vessel	SAR intervention	Code
E5E28	A371_1	Vessel	Other damage	Code
E5E28	A375_1	Vessel	Traffic density	Code
E5E28	A377_1	Vessel	VDR used	Code
E5E28	A401_1	Vessel	GMDSS facilities	Code
E5E28	A403_1	Vessel	GMDSS sea area (s)	Code
E5E28	A408_1	Vessel	RCC distress relay by	Code
E5E28	A408_2	Vessel	RCC distress relay by	Code
E5E28	A408_3	Vessel	RCC distress relay by	Code
E5E28	A410_1	Vessel	Alert acknowledged by	Code
E5E28	A410_2	Vessel	Alert acknowledged by	Code
E5E28	A410_3	Vessel	Alert acknowledged by	Code
E5E28	A412_1	Vessel	SAR communications	Code
E5E28	A412_2	Vessel	SAR communications	Code
E5E28	A412_3	Vessel	SAR communications	Code
E5E28	A414_1	Vessel	Sea state in SAR ops.	Code
E5E28	A415_1	Vessel	Ship's distress relay by	Code
E5E28	A415_2	Vessel	Ship's distress relay by	Code
E5E28	A415_3	Vessel	Ship's distress relay by	Code
E5E28	A417_1	Vessel	Ship's distress alert by	Code
E5E28	A417_2	Vessel	Ship's distress alert by	Code
E5E28	A417_3	Vessel	Ship's distress alert by	Code
E5E28	A420_1	Vessel	Use of alarm signal	Code
E5E28	A421_1	Vessel	Position transmitted	Code

Table	Column	Entity	Attribute	Type
E5E28	A421_2	Vessel	Position transmitted	Code
E5E28	A422_1	Vessel	Weather in SAR ops.	Code
E5E28	A423_1	Vessel	Wind force during SAR	Code
E5E28	A531_1	Vessel	Previous versions of Occurrence.	Code
E5E28	A532_1	Vessel	Previous versions of Occurrence.	Code
E5E28	A543_1	Vessel	Previous versions of Occurrence.	Code
E5E28	A593_1	Vessel	Previous versions of Occurrence.	Code
E5E28	A593_2	Vessel	Previous versions of Occurrence.	Code
E5E28	A4200_1	Vessel	Use of alarm signal	Code
E5E28	A4209_1	Vessel	Use of alarm signal	Code
E5E28	A4209_2	Vessel	Use of alarm signal	Code
E5E28	A4209_3	Vessel	Use of alarm signal	Code
E5E28	A4248_1	Vessel	Auxiliary propulsion	Code
E5E28	A4253_1	Vessel	Bollard pull	Code
E5E28	A4257_1	Vessel	Bollard pull	Code
E5E28	A5_P	Vessel	Previous versions of Occurrence.	Text
E5E28	A9_P	Vessel	Previous versions of Occurrence.	Text
E5E28	A398_P	Vessel	Additional aspects	Text
E5E28	A400_P	Vessel	Distress message	Text
E5E28	A402_P	Vessel	Distress comm. signals	Text
E5E28	A404_P	Vessel	EPIRB or EPIRB details	Text
E5E28	A405_P	Vessel	Equip. survival craft	Text
E5E28	A406_P	Vessel	Language difficulties	Text
E5E28	A407_P	Vessel	On-scene comm.	Text
E5E28	A545_P	Vessel	Previous versions of Occurrence.	Text
E5E28	A4202_P	Vessel	Use of alarm signal	Text
E5E28	A4223_P	Vessel	Weather in SAR ops.	Text
E5E29	A386	Vessel	System category	Code
E5E29	A387	Vessel	Task affected	Code
E5E29	A4192	Vessel	Start of distress phase	Alphanu meric
E5E29	A4193	Vessel	Start of distress phase	Code
E5E29	A4195	Vessel	Start of distress phase	Text
E5E29	A4196	Vessel	Start of distress phase	Code
E5E29	A4198	Vessel	Start of distress phase	Code
E5E29	A386_1	Vessel	System category	Code
E5E29	A387_1	Vessel	Task affected	Code
E5E29	A4193_1	Vessel	Start of distress phase	Code
E5E29	A4193_2	Vessel	Start of distress phase	Code
E5E29	A4193_3	Vessel	Start of distress phase	Code
E5E29	A4196_1	Vessel	Start of distress phase	Code

Table	Column	Entity	Attribute	Type
E5E29	A4198_1	Vessel	Start of distress phase	Code
E5E29	A4198_2	Vessel	Start of distress phase	Code
E5E29	A4195_P	Vessel	Start of distress phase	Text
E5E30	A388	Vessel	Nr. of crew	Number
E5E30	A389	Vessel	Rank	Code
E5E30	A389_1	Vessel	Rank	Code
E5E33	A11	Vessel	Assistance from MS	Code
E5E33	A12	Vessel	Assistance from MS	Code
E5E33	A13	Vessel	Assistance from MS	Code
E5E33	A14	Vessel	Assistance from MS	Code
E5E33	A16	Vessel	Assistance from MS	Code
E5E33	A17	Vessel	Double bottom present	Code
E5E33	A18	Vessel	Habitat degradation	Code
E5E33	A21	Vessel	Weather conditions	Code
E5E33	A23	Vessel	Contributed to ext.	Code
E5E33	A26	Vessel	Previous experience	Code
E5E33	A32	Vessel	Righting levers (GZ) based on (G), for angles of heel :	Code
E5E33	A33	Vessel	Righting levers (GZ) based on (G), for angles of heel :	Code
E5E33	A34	Vessel	Modification made by	Code
E5E33	A36	Vessel	Nature occurrence	Code
E5E33	A131	Vessel	Assistance from MS	Text
E5E33	A137	Vessel	Assistance from MS	Code
E5E33	A140	Vessel	Assistance from MS	Code
E5E33	A142	Vessel	Assistance from MS	Code
E5E33	A143	Vessel	Assistance from MS	Code
E5E33	A148	Vessel	Assistance from MS	Text
E5E33	A284	Vessel	Depth of bar keel	Decimals
E5E33	A285	Vessel	Displacement	Decimals
E5E33	A286	Vessel	Displacement	Decimals
E5E33	A287	Vessel	Distance ships profile exposed to wind and waterline	Decimals
E5E33	A288	Vessel	Distance ships profile exposed to wind and waterline	Decimals
E5E33	A289	Vessel	Transverse metacentre radius	Decimals
E5E33	A290	Vessel	Transverse metacentre radius	Decimals
E5E33	A291	Vessel	Draught (amidships)	Decimals
E5E33	A292	Vessel	Height struct. deck D	Decimals
E5E33	A293	Vessel	Length struct. deck D	Decimals
E5E33	A294	Vessel	Name struct. above deck	Alphanu meric

Table	Column	Entity	Attribute	Type
E5E33	A295	Vessel	Estimated rolling period (P-S-P)	Decimals
E5E33	A296	Vessel	Estimated rolling period (P-S-P)	Decimals
E5E33	A297	Vessel	Height centre of buoyancy above moulded base line	Decimals
E5E33	A298	Vessel	Height centre of buoyancy above moulded base line	Decimals
E5E33	A299	Vessel	Water trapped on deck	Decimals
E5E33	A300	Vessel	Lateral area of ships profile exposed to wind	Decimals
E5E33	A301	Vessel	Lateral area of ships profile exposed to wind	Decimals
E5E33	A302	Vessel	Lightship displacement	Decimals
E5E33	A304	Vessel	Maximum righting lever	Decimals
E5E33	A305	Vessel	Metacentric height (GM uncorrected)	Decimals
E5E33	A306	Vessel	Metacentric height (GM uncorrected)	Decimals
E5E33	A307	Vessel	Quantity ballast water	Decimals
E5E33	A308	Vessel	Rated amplitude of roll (maximum)	Decimals
E5E33	A309	Vessel	Rated amplitude of roll (maximum)	Decimals
E5E33	A310	Vessel	Reduction in GM due to any free surface of liquids	Decimals
E5E33	A311	Vessel	Reduction in GM due to any free surface of liquids	Decimals
E5E33	A312	Vessel	Righting levers (GZ) based on (G), for angles of heel :	Decimals
E5E33	A313	Vessel	Righting levers (GZ) based on (G), for angles of heel :	Decimals
E5E33	A314	Vessel	Righting levers (GZ) based on (G), for angles of heel :	Decimals
E5E33	A315	Vessel	Righting levers (GZ) based on (G), for angles of heel :	Decimals
E5E33	A316	Vessel	Righting levers (GZ) based on (G), for angles of heel :	Decimals
E5E33	A317	Vessel	Righting levers (GZ) based on (G), for angles of heel :	Decimals
E5E33	A318	Vessel	Righting levers (GZ) based on (G), for angles of heel :	Decimals
E5E33	A319	Vessel	Righting levers (GZ) based on (G), for angles of heel :	Decimals
E5E33	A225	Vessel	Adequacy	Text
E5E33	A226	Vessel	Adequate air supply	Code

Table	Column	Entity	Attribute	Type
E5E33	A227	Vessel	Action taken by crew	Text
E5E33	A228	Vessel	Contain/extinguish fire	Text
E5E33	A229	Vessel	Contributed to ext.	Code
E5E33	A230	Vessel	Fire detection	Code
E5E33	A234	Vessel	Persons alerted by	Code
E5E33	A235	Vessel	Obs./comments	Text
E5E33	A238	Vessel	Protection escape means	Text
E5E33	A242	Vessel	Maintenance records	Code
E5E33	A332	Vessel	Service conditions	Text
E5E33	A333	Vessel	Under action of helm	Text
E5E33	A334	Vessel	Water trapped on deck?	Code
E5E33	A336	Vessel	Vulner. openings closed	Text
E5E33	A337	Vessel	Special instructions	Text
E5E33	A424	Vessel	Auxiliary propulsion	Code
E5E33	A430	Vessel	Classif. Society	Code
E5E33	A431	Vessel	Classif. Society (ISM)	Code
E5E33	A436	Vessel	Deck	Code
E5E33	A437	Vessel	Design category	Code
E5E33	A438	Vessel	Directive 94/25	Code
E5E33	A441	Vessel	Flag State	Code
E5E33	A446	Vessel	Hull construction	Code
E5E33	A448	Vessel	Hull material	Code
E5E33	A450	Vessel	Hull shape type	Code
E5E33	A468	Vessel	Nr. of hulls	Code
E5E33	A469	Vessel	Nr. of masts	Code
E5E33	A473	Vessel	Polar class	Code
E5E33	A474	Vessel	Port of registry	Code
E5E33	A475	Vessel	Previous CS	Code
E5E33	A476	Vessel	Previous flag	Code
E5E33	A478	Vessel	Means propulsion	Code
E5E33	A479	Vessel	Propulsion type	Code
E5E33	A483	Vessel	Previous versions of Occurrence.	Code
E5E33	A486	Vessel	Previous versions of Occurrence.	Code
E5E33	A487	Vessel	Previous versions of Occurrence.	Code
E5E33	A488	Vessel	Previous versions of Occurrence.	Code
E5E33	A489	Vessel	Previous versions of Occurrence.	Code
E5E33	A490	Vessel	Previous versions of Occurrence.	Code
E5E33	A492	Vessel	Previous versions of Occurrence.	Code
E5E33	A498	Vessel	Previous versions of Occurrence.	Code
E5E33	A502	Vessel	Previous versions of Occurrence.	Code
E5E33	A503	Vessel	Previous versions of Occurrence.	Code

Table	Column	Entity	Atribute	Type
E5E33	A508	Vessel	Previous versions of Occurrence.	Code
E5E33	A509	Vessel	Previous versions of Occurrence.	Code
E5E33	A511	Vessel	Previous versions of Occurrence.	Code
E5E33	A513	Vessel	Previous versions of Occurrence.	Code
E5E33	A514	Vessel	Previous versions of Occurrence.	Code
E5E33	A515	Vessel	Previous versions of Occurrence.	Code
E5E33	A525	Vessel	Previous versions of Occurrence.	Code
E5E33	A4219	Vessel	Position transmitted	Code
E5E33	A4229	Vessel	Weather in SAR ops.	Code
E5E33	A4258	Vessel	Bollard pull	Code
E5E33	A11_1	Vessel	Assistance from MS	Code
E5E33	A12_1	Vessel	Assistance from MS	Code
E5E33	A13_1	Vessel	Assistance from MS	Code
E5E33	A14_1	Vessel	Assistance from MS	Code
E5E33	A16_1	Vessel	Assistance from MS	Code
E5E33	A17_1	Vessel	Double bottom present	Code
E5E33	A18_1	Vessel	Habitat degradation	Code
E5E33	A21_1	Vessel	Weather conditions	Code
E5E33	A23_1	Vessel	Contributed to ext.	Code
E5E33	A26_1	Vessel	Previous experience	Code
E5E33	A32_1	Vessel	Righting levers (GZ) based on (G), for angles of heel :	Code
E5E33	A32_2	Vessel	Righting levers (GZ) based on (G), for angles of heel :	Code
E5E33	A32_3	Vessel	Righting levers (GZ) based on (G), for angles of heel :	Code
E5E33	A33_1	Vessel	Righting levers (GZ) based on (G), for angles of heel :	Code
E5E33	A34_1	Vessel	Modification made by	Code
E5E33	A36_1	Vessel	Nature occurrence	Code
E5E33	A137_1	Vessel	Assistance from MS	Code
E5E33	A140_1	Vessel	Assistance from MS	Code
E5E33	A142_1	Vessel	Assistance from MS	Code
E5E33	A143_1	Vessel	Assistance from MS	Code
E5E33	A226_1	Vessel	Adequate air supply	Code
E5E33	A229_1	Vessel	Contributed to ext.	Code
E5E33	A230_1	Vessel	Fire detection	Code
E5E33	A234_1	Vessel	Persons alerted by	Code
E5E33	A242_1	Vessel	Maintenance records	Code
E5E33	A334_1	Vessel	Water trapped on deck?	Code
E5E33	A424_1	Vessel	Auxiliary propulsion	Code
E5E33	A430_1	Vessel	Classif. Society	Code

Table	Column	Entity	Attribute	Type
E5E33	A431_1	Vessel	Classif. Society (ISM)	Code
E5E33	A436_1	Vessel	Deck	Code
E5E33	A437_1	Vessel	Design category	Code
E5E33	A438_1	Vessel	Directive 94/25	Code
E5E33	A438_2	Vessel	Directive 94/25	Code
E5E33	A441_1	Vessel	Flag State	Code
E5E33	A446_1	Vessel	Hull construction	Code
E5E33	A448_1	Vessel	Hull material	Code
E5E33	A450_1	Vessel	Hull shape type	Code
E5E33	A468_1	Vessel	Nr. of hulls	Code
E5E33	A469_1	Vessel	Nr. of masts	Code
E5E33	A473_1	Vessel	Polar class	Code
E5E33	A474_1	Vessel	Port of registry	Code
E5E33	A474_2	Vessel	Port of registry	Code
E5E33	A474_3	Vessel	Port of registry	Code
E5E33	A475_1	Vessel	Previous CS	Code
E5E33	A476_1	Vessel	Previous flag	Code
E5E33	A478_1	Vessel	Means propulsion	Code
E5E33	A478_2	Vessel	Means propulsion	Code
E5E33	A479_1	Vessel	Propulsion type	Code
E5E33	A483_1	Vessel	Previous versions of Occurrence.	Code
E5E33	A486_1	Vessel	Previous versions of Occurrence.	Code
E5E33	A486_2	Vessel	Previous versions of Occurrence.	Code
E5E33	A487_1	Vessel	Previous versions of Occurrence.	Code
E5E33	A488_1	Vessel	Previous versions of Occurrence.	Code
E5E33	A489_1	Vessel	Previous versions of Occurrence.	Code
E5E33	A490_1	Vessel	Previous versions of Occurrence.	Code
E5E33	A490_2	Vessel	Previous versions of Occurrence.	Code
E5E33	A490_3	Vessel	Previous versions of Occurrence.	Code
E5E33	A490_4	Vessel	Previous versions of Occurrence.	Code
E5E33	A490_5	Vessel	Previous versions of Occurrence.	Code
E5E33	A492_1	Vessel	Previous versions of Occurrence.	Code
E5E33	A498_1	Vessel	Previous versions of Occurrence.	Code
E5E33	A502_1	Vessel	Previous versions of Occurrence.	Code
E5E33	A503_1	Vessel	Previous versions of Occurrence.	Code
E5E33	A508_1	Vessel	Previous versions of Occurrence.	Code
E5E33	A508_2	Vessel	Previous versions of Occurrence.	Code
E5E33	A508_3	Vessel	Previous versions of Occurrence.	Code
E5E33	A509_1	Vessel	Previous versions of Occurrence.	Code
E5E33	A509_2	Vessel	Previous versions of Occurrence.	Code
E5E33	A509_3	Vessel	Previous versions of Occurrence.	Code

Table	Column	Entity	Attribute	Type
E5E33	A511_1	Vessel	Previous versions of Occurrence.	Code
E5E33	A511_2	Vessel	Previous versions of Occurrence.	Code
E5E33	A513_1	Vessel	Previous versions of Occurrence.	Code
E5E33	A514_1	Vessel	Previous versions of Occurrence.	Code
E5E33	A515_1	Vessel	Previous versions of Occurrence.	Code
E5E33	A525_1	Vessel	Previous versions of Occurrence.	Code
E5E33	A525_2	Vessel	Previous versions of Occurrence.	Code
E5E33	A525_3	Vessel	Previous versions of Occurrence.	Code
E5E33	A4219_1	Vessel	Position transmitted	Code
E5E33	A4229_1	Vessel	Weather in SAR ops.	Code
E5E33	A4258_1	Vessel	Bollard pull	Code
E5E33	A131_P	Vessel	Assistance from MS	Text
E5E33	A148_P	Vessel	Assistance from MS	Text
E5E33	A225_P	Vessel	Adequacy	Text
E5E33	A227_P	Vessel	Action taken by crew	Text
E5E33	A228_P	Vessel	Contain/extinguish fire	Text
E5E33	A235_P	Vessel	Obs./comments	Text
E5E33	A238_P	Vessel	Protection escape means	Text
E5E33	A332_P	Vessel	Service conditions	Text
E5E33	A333_P	Vessel	Under action of helm	Text
E5E33	A336_P	Vessel	Vulner. openings closed	Text
E5E33	A337_P	Vessel	Special instructions	Text
E5E33_1	A15	Vessel	Assistance from MS	Decimals
E5E33_1	A19	Vessel	Failure mode	Decimals
E5E33_1	A20	Vessel	Sequence	Number
E5E33_1	A25	Vessel	Error modes	Decimals
E5E33_1	A28	Vessel	Coefficient of fineness of midship section	Decimals
E5E33_1	A29	Vessel	Transverse metacentre radius	Decimals
E5E33_1	A38	Vessel	Lives lost - Other - Total	Decimals
E5E33_1	A133	Vessel	Assistance from MS	Decimals
E5E33_1	A134	Vessel	Assistance from MS	Decimals
E5E33_1	A135	Vessel	Assistance from MS	Decimals
E5E33_1	A136	Vessel	Assistance from MS	Decimals
E5E33_1	A138	Vessel	Assistance from MS	Decimals
E5E33_1	A139	Vessel	Assistance from MS	Decimals
E5E33_1	A144	Vessel	Assistance from MS	Decimals
E5E33_1	A145	Vessel	Assistance from MS	Decimals
E5E33_1	A146	Vessel	Assistance from MS	Decimals
E5E33_1	A161	Vessel	Assistance from MS	Decimals
E5E33_1	A162	Vessel	Assistance from MS	Decimals

Table	Column	Entity	Attribute	Type
E5E33_1	A163	Vessel	Assistance from MS	Decimals
E5E33_1	A164	Vessel	Y1	Decimals
E5E33_1	A165	Vessel	Y2	Decimals
E5E33_1	A166	Vessel	Time to sink	Decimals
E5E33_1	A268	Vessel	Angle immers.2 upperdeck	Decimals
E5E33_1	A269	Vessel	Angle max. stability	Decimals
E5E33_1	A270	Vessel	Angle vanish. stability	Decimals
E5E33_1	A271	Vessel	Bilge keel longit. extent	Decimals
E5E33_1	A272	Vessel	Bilge keel width	Decimals
E5E33_1	A273	Vessel	Block coefficient of fineness of displacement	Decimals
E5E33_1	A274	Vessel	Block coefficient of fineness of displacement	Decimals
E5E33_1	A275	Vessel	Centre of gravity above moulded base line	Decimals
E5E33_1	A276	Vessel	Centre of gravity above moulded base line	Decimals
E5E33_1	A277	Vessel	KG lightship displac.	Decimals
E5E33_1	A278	Vessel	Coefficient of fineness of midship section	Decimals
E5E33_1	A279	Vessel	Coefficient of fineness of midship section	Decimals
E5E33_1	A280	Vessel	Coefficient of fineness of water plane	Decimals
E5E33_1	A281	Vessel	Coefficient of fineness of water plane	Decimals
E5E33_1	A282	Vessel	Deck cargo quantity	Decimals
E5E33_1	A239	Vessel	Time to extinguish	Decimals
E5E33_1	A240	Vessel	Time to control fire	Decimals
E5E33_1	A241	Modification	Fire duration total	Decimals
E5E33_1	A267	Modification	Angle immers.1 upperdeck	Decimals
E5E33_1	A320	Modification	Righting levers (GZ) based on (G), for angles of heel :	Decimals
E5E33_1	A321	Modification	Righting levers (GZ) based on (G), for angles of heel :	Decimals
E5E33_1	A322	DB History	Righting levers (GZ) based on (G), for angles of heel :	Decimals
E5E33_1	A323	DB History	Righting levers (GZ) based on (G), for angles of heel :	Decimals
E5E33_1	A324	DB History	Righting levers (GZ) based on (G), for angles of heel :	Decimals
E5E33_1	A325	DB History	Righting levers (GZ) based on (G), for angles of heel :	Decimals

Table	Column	Entity	Attribute	Type
E5E33_1	A326	Cargo Quantities	Righting levers (GZ) based on (G), for angles of heel :	Decimals
E5E33_1	A327	Cargo Quantities	Righting levers (GZ) based on (G), for angles of heel :	Decimals
E5E33_1	A328	Cargo Quantities	Righting levers (GZ) based on (G), for angles of heel :	Decimals
E5E33_1	A329	Cargo Quantities	Righting levers (GZ) based on (G), for angles of heel :	Decimals
E5E33_1	A330	Occurrence History	Righting levers (GZ) based on (G), for angles of heel :	Decimals
E5E33_1	A331	Occurrence History	Righting levers (GZ) based on (G), for angles of heel :	Decimals
E5E33_1	A425	Occurrence History	Bollard pull	Decimals
E5E33_1	A426	Occurrence History	Brand name of craft	Alphanumeric
E5E33_1	A427	Occurrence History	Breadth	Decimals
E5E33_1	A428	Occurrence History	Building yard	Alphanumeric
E5E33_1	A429	Occurrence History	Call sign	Alphanumeric
E5E33_1	A432	Occurrence History	Company nr.	Alphanumeric
E5E33_1	A433	Occurrence History	Company name	Alphanumeric
E5E33_1	A434	Occurrence History	Date keel laid	Alphanumeric
E5E33_1	A435	Occurrence History	Deadweight	Decimals
E5E33_1	A439	Occurrence History	Displacement	Decimals
E5E33_1	A440	Occurrence History	Max. Draught	Decimals
E5E33_1	A442	Occurrence History	Freeboard	Decimals
E5E33_1	A444	Occurrence History	Gross tonnage	Decimals
E5E33_1	A445	Occurrence History	Hull breadth	Decimals
E5E33_1	A447	Occurrence History	Hull identification nr.	Alphanumeric
E5E33_1	A449	Occurrence History	Hull number	Alphanumeric
E5E33_1	A451	Occurrence History	IMO number	Number
E5E33_1	A452	PiggyBack	Length between PP	Decimals
E5E33_1	A453	PiggyBack	Length of the hull	Decimals
E5E33_1	A454	PiggyBack	Length overall	Decimals
E5E33_1	A455	Damage	Manufacturer's name	Alphanumeric
E5E33_1	A456	Damage	Max. nr. of persons	Number

Table	Column	Entity	Attribute	Type
E5E33_1	A457	Damage	Max. engine power	Decimals
E5E33_1	A458	Damage	Maximum load	Decimals
E5E33_1	A459	Damage	Maximum nr. of people	Number
E5E33_1	A460	Damage	Maximum speed	Decimals
E5E33_1	A461	Damage	MMSI nr.	Number
E5E33_1	A462	Damage	Moulded depth	Decimals
E5E33_1	A463	Damage	Name of ship	Alphanu meric
E5E33_1	A465	Damage	Nr. main engines	Number
E5E33_1	A466	Damage	Nr. propellers or jets	Number
E5E33_1	A467	Damage	Nr. of crew	Number
E5E33_1	A470	Damage	Nr. of passengers	Number
E5E33_1	A471	Damage	Owner nr.	Alphanu meric
E5E33_1	A472	Damage	Owner name	Alphanu meric
E5E33_1	A477	Damage	Previous name of ship	Alphanu meric
E5E33_1	A480	Damage	Registry nr.	Alphanu meric
E5E33_1	A481	Damage	Sail area	Decimals
E5E33_1	A482	Damage	Previous versions of Occurrence.	Decimals
E5E33_1	A484	Damage	Previous versions of Occurrence.	Number
E5E33_1	A485	Damage	Previous versions of Occurrence.	Decimals
E5E33_1	A491	Damage	Previous versions of Occurrence.	Alphanu meric
E5E33_1	A493	Damage	Previous versions of Occurrence.	Decimals
E5E33_1	A494	Damage	Previous versions of Occurrence.	Decimals
E5E33_1	A495	Damage	Previous versions of Occurrence.	Number
E5E33_1	A496	Damage	Previous versions of Occurrence.	Number
E5E33_1	A499	Damage	Previous versions of Occurrence.	Decimals
E5E33_1	A500	Damage	Previous versions of Occurrence.	Decimals
E5E33_1	A501	Damage	Previous versions of Occurrence.	Decimals
E5E33_1	A504	Damage	Previous versions of Occurrence.	Number
E5E33_1	A505	Damage	Previous versions of Occurrence.	Number
E5E33_1	A506	Damage	Previous versions of Occurrence.	Number
E5E33_1	A507	Damage	Previous versions of Occurrence.	Number
E5E33_1	A512	Damage	Previous versions of Occurrence.	Alphanu meric
E5E33_1	A546	EMSA Note	Previous versions of Occurrence.	Decimals
E5E33_1	A4211	EMSA Note	Position transmitted	Decimals
E5E33_1	A4212	EMSA Note	Position transmitted	Decimals

Table	Column	Entity	Attribute	Type
E5E33_1	A4213	EMSA Note	Position transmitted	Decimals
E5E33_1	A4244	Workflow Note	Auxiliary propulsion	Decimals
E5E33_1	A4245	Workflow Note	Auxiliary propulsion	Decimals
E5E33_1	A4246	Workflow Note	Auxiliary propulsion	Decimals
E5E36	A338	Workflow Note	Modification date	DateTime
E5E36	A339	Workflow Note	Modification made by	Alphanumeric
E5E36	A340	Cargo Loss	Modification note	Text
E5E36	A340_P	Cargo Loss	Modification note	Text
E5E37	A171	Cargo Loss	Database access by	Alphanumeric
E5E37	A172	Cargo Loss	Database access date	DateTime
E5E37	A173	IMO Transfer	Database access type	Code
E5E37	A173_1	IMO Transfer	Database access type	Code
E5E38	A497	IMO Transfer	Previous versions of Occurrence.	Code
E5E38	A510	IMO Transfer	Previous versions of Occurrence.	Decimals
E5E38	A497_1	IMO Transfer	Previous versions of Occurrence.	Code
E5E38	A497_2	IMO Transfer	Previous versions of Occurrence.	Code
E5E39	A534	IMO Transfer	Previous versions of Occurrence.	Text
E5E39	A535	IMO Transfer	Previous versions of Occurrence.	DateTime
E5E39	A536	IMO Transfer	Previous versions of Occurrence.	Code
E5E39	A537	IMO Transfer	Previous versions of Occurrence.	Code
E5E39	A538	IMO Transfer	Previous versions of Occurrence.	Alphanumeric
E5E39	A539	IMO Transfer	Previous versions of Occurrence.	Code
E5E39	A540	IMO Transfer	Previous versions of Occurrence.	Alphanumeric
E5E39	A541	Accidental event - Unknown	Previous versions of Occurrence.	Code
E5E39	A542	Accidental event - Unknown	Previous versions of Occurrence.	Code
E5E39	A597	Accidental event - Unknown	Previous versions of Occurrence.	Code
E5E39	A598	Accidental event - Unknown	Previous versions of Occurrence.	Alphanumeric
E5E39	A599	Accidental event - Unknown	Previous versions of Occurrence.	Alphanumeric
E5E39	A536_1	Accidental event - Unknown	Previous versions of Occurrence.	Code
E5E39	A537_1	Accidental event - Unknown	Previous versions of Occurrence.	Code
E5E39	A539_1	Final Report	Previous versions of Occurrence.	Code
E5E39	A541_1	Final Report	Previous versions of Occurrence.	Code
E5E39	A542_1	Final Report	Previous versions of Occurrence.	Code
E5E39	A597_1	Interim Report	Previous versions of Occurrence.	Code
E5E39	A534_P	Occurrence General Note	Previous versions of Occurrence.	Text
E5E40	A4205	Occurrence General Note	Use of alarm signal	DateTime

Table	Column	Entity	Attribute	Type
E5E40	A4206	Occurrence General Note	Use of alarm signal	Alphanu meric
E5E40	A4207	Occurrence General Note	Use of alarm signal	Alphanu meric
E5E41	A147	Occurrence General Note	Assistance from MS	Code
E5E41	A149	Occurrence General Note	Assistance from MS	Number
E5E41	A150	Occurrence General Note	Assistance from MS	Decimals
E5E41	A151	Occurrence General Note	Assistance from MS	Decimals
E5E41	A152	Occurrence General Note	Assistance from MS	Decimals
E5E41	A153	Occurrence General Note	Assistance from MS	Decimals
E5E41	A154	Occurrence General Note	Assistance from MS	Decimals
E5E41	A155	Occurrence General Note	Assistance from MS	Decimals
E5E41	A156	Occurrence General Note	Assistance from MS	Decimals
E5E41	A157	Occurrence General Note	Assistance from MS	Decimals
E5E41	A158	Occurrence General Note	Assistance from MS	Decimals
E5E41	A159	Occurrence General Note	Assistance from MS	Decimals
E5E41	A160	Occurrence General Note	Assistance from MS	Decimals
E5E41	A167	Occurrence General Note	Subdiv. bulkhead damage	Code
E5E41	A168	Occurrence General Note	Colliss. bulkhead damage	Code
E5E41	A169	Occurrence General Note	Double bottom present	Code
E5E41	A170	Occurrence General Note	Penetration bulbous bow?	Code
E5E41	A4214	Occurrence General Note	Position transmitted	Code
E5E41	A4215	Occurrence General Note	Position transmitted	Code
E5E41	A4216	Occurrence General Note	Position transmitted	Code
E5E41	A4217	Occurrence General Note	Position transmitted	Code
E5E41	A4218	Occurrence General Note	Position transmitted	Code
E5E41	A4247	Occurrence General Note	Auxiliary propulsion	Decimals
E5E41	A147_1	Occurrence General Note	Assistance from MS	Code
E5E41	A167_1	Occurrence General Note	Subdiv. bulkhead damage	Code
E5E41	A168_1	Occurrence General Note	Colliss. bulkhead damage	Code
E5E41	A169_1	Occurrence General Note	Double bottom present	Code
E5E41	A170_1	#N/A	Penetration bulbous bow?	Code
E5E41	A4214_1	#N/A	Position transmitted	Code
E5E41	A4215_1	#N/A	Position transmitted	Code
E5E41	A4216_1	#N/A	Position transmitted	Code
E5E41	A4217_1	#N/A	Position transmitted	Code
E5E41	A4218_1	#N/A	Position transmitted	Code
E5E41	A4218_2	#N/A	Position transmitted	Code
E5E42	A4220	#N/A	Weather in SAR ops.	Alphanu meric
E5E42	A4221	#N/A	Weather in SAR ops.	Alphanu meric

Table	Column	Entity	Attribute	Type
E5E42	A4222	#N/A	Weather in SAR ops.	Text
E5E42	A4222_P	#N/A	Weather in SAR ops.	Text
E5E43	A4225	#N/A	Weather in SAR ops.	Alphanu meric
E5E43	A4226	#N/A	Weather in SAR ops.	Alphanu meric
E5E43	A4227	#N/A	Weather in SAR ops.	Text
E5E43	A4228	#N/A	Weather in SAR ops.	Alphanu meric
E5E43	A4227_P	#N/A	Weather in SAR ops.	Text
E5E44	A4231	#N/A	Wind force during SAR	Code
E5E44	A4232	#N/A	Wind force during SAR	Decimals
E5E44	A4231_1	#N/A	Wind force during SAR	Code
E5E44	A4231_2	#N/A	Wind force during SAR	Code
E5E45	A4234	#N/A	Wind force during SAR	DateTime
E5E45	A4235	Consequences - Loss of ship	Wind force during SAR	Code
E5E45	A4236	Consequences - Loss of ship	Wind force during SAR	Code
E5E45	A4237	Consequences - Loss of ship	Wind force during SAR	Code
E5E45	A4238	Consequences - Loss of ship	Wind force during SAR	Code
E5E45	A4239	Consequences - Loss of ship	Wind force during SAR	Code
E5E45	A4240	Consequences - Loss of ship	Auxiliary propulsion	Code
E5E45	A4235_1	Consequences - Loss of ship	Wind force during SAR	Code
E5E45	A4236_1	Consequences - Loss of ship	Wind force during SAR	Code
E5E45	A4237_1	Consequences - Loss of ship	Wind force during SAR	Code
E5E45	A4238_1	Consequences - Loss of ship	Wind force during SAR	Code
E5E45	A4239_1	Consequences - Loss of ship	Wind force during SAR	Code
E5E45	A4240_1	Consequences - Loss of ship	Auxiliary propulsion	Code
E5E46	A4241	Consequences - Loss of ship	Auxiliary propulsion	Alphanu meric
E5E46	A4242	Consequences - Loss of ship	Auxiliary propulsion	Code

Table	Column	Entity	Attribute	Type
E5E46	A4243	Consequences - Loss of ship	Auxiliary propulsion	Text
E5E46	A4242_1	Consequences - Loss of ship	Auxiliary propulsion	Code
E5E46	A4242_2	Consequences - Loss of ship	Auxiliary propulsion	Code
E5E46	A4242_3	Consequences - Loss of ship	Auxiliary propulsion	Code
E5E46	A4243_P	Consequences - Loss of ship	Auxiliary propulsion	Text
E5E47	A39	Consequences - Loss of ship	Rank	Alphanumeric
E5E47	A40	Consequences - Loss of ship	Arrival of SAR unit	Code
E5E47	A41	Consequences - Loss of ship	RCC relay frequency	Decimals
E5E47	A42	Consequences - Loss of ship	Start of distress phase	Code
E5E47	A43	Consequences - Loss of ship	Call sign	Code
E5E47	A44	Consequences - Loss of ship	Displacement	Alphanumeric
E5E47	A40_T	Consequences - People	Arrival of SAR unit	Alphanumeric
E5E47	A43_T	Consequences - People	Call sign	Alphanumeric
E5E47	A40_1	Consequences - People	Arrival of SAR unit	Code
E5E47	A40_2	Consequences - People	Arrival of SAR unit	Code
E5E47	A42_1	Consequences - People	Start of distress phase	Code
E5E47	A43_1	Consequences - People	Call sign	Code
E5E47	A4249	Consequences - People	Auxiliary propulsion	Alphanumeric
E5E47	A4250	Consequences - Person	Bollard pull	Code
E5E47	A4250_1	Consequences - Person	Bollard pull	Code
E5E48	A4252	Consequences - Person	Bollard pull	Alphanumeric
E5E49	A4254	Consequences - Person	Bollard pull	Alphanumeric
E5E49	A4255	Consequences - Person	Bollard pull	Alphanumeric
E5E49	A4256	Consequences - Person	Bollard pull	Text
E5E49	A4256_P	Consequences - Person	Bollard pull	Text
E5EL20_24	A45	Consequences - Person	Hull number	Code

Table	Column	Entity	Attribute	Type
E5EL20_24	A46	Consequences - Person	Maximum nr. of people	Decimals
E5EL20_24	A47	Consequences - Person	Nr. of masts	Decimals
E5EL20_24	A530	Consequences - Solid cargo in bulk - Material	Previous versions of Occurrence.	Alphanumeric
E5EL20_24	A45_1	Consequences - Solid cargo in bulk - Material	Hull number	Code
E5EL20_24	A45_2	Consequences - Solid cargo in bulk - Material	Hull number	Code
E5EL28_27	A48	Consequences - Solid cargo in bulk - Material	Propulsion type	Decimals
E5EL28_27	A49	Consequences - Solid cargo in bulk - Material	Previous versions of Occurrence.	Decimals
E5EL28_27	A50	Consequences - Solid cargo in bulk - Material	Previous versions of Occurrence.	Text
E5EL28_27	A51	Consequences - Solid cargo in bulk - Material	Previous versions of Occurrence.	Code
E5EL28_27	A51_1	Consequences - Solid cargo in bulk - Material	Previous versions of Occurrence.	Code
E5EL28_27	A50_P	Consequences - Solid cargo in bulk - Material	Previous versions of Occurrence.	Text
E5EL28_48	A53	Consequences - Solid cargo in bulk - Material	Previous versions of Occurrence.	Code
E5EL28_48	A54	Consequences - Third party	Previous versions of Occurrence.	Decimals
E5EL28_48	A55	Consequences - Third party	Previous versions of Occurrence.	Decimals
E5EL28_48	A53_T	Consequences - Third party	Previous versions of Occurrence.	Alphanumeric
E5EL28_48	A53_1	Consequences - Third party	Previous versions of Occurrence.	Code
E5EL28_48	A53_2	Consequences - Third party	Previous versions of Occurrence.	Code
E5EL33_11	A58	Consequences - Third party	Previous versions of Occurrence.	Code
E5EL33_11	A59	Consequences - Third party	Previous versions of Occurrence.	Code
E5EL33_11	A60	Consequences - Third party	Previous versions of Occurrence.	Code
E5EL33_11	A61	Consequences - Third party	Previous versions of Occurrence.	Decimals
E5EL33_11	A59_T	Consequences - Third party	Previous versions of Occurrence.	Alphanumeric

Table	Column	Entity	Attribute	Type
E5EL33_11	A58_1	Accidental event - Environmental effect	Previous versions of Occurrence.	Code
E5EL33_11	A59_1	Accidental event - Environmental effect	Previous versions of Occurrence.	Code
E5EL33_11	A59_2	Accidental event - Environmental effect	Previous versions of Occurrence.	Code
E5EL33_11	A59_3	Accidental event - Environmental effect	Previous versions of Occurrence.	Code
E5EL33_11	A60_1	Accidental event - Environmental effect	Previous versions of Occurrence.	Code
E5EMAIL_LOGS	A283_1	Accidental event - Environmental effect	Deck cargo type	Code
E5EMAIL_LOGS	A283_2	Accidental event - Environmental effect	Deck cargo type	Code
E5EMAIL_LOGS	A283	Accidental event - Environmental effect	Deck cargo type	Code
E5EMAIL_LOGS	A132_1	Accidental event - Environmental effect	Assistance from MS	Code
E5EMAIL_LOGS	A132_2	Accidental event - Environmental effect	Assistance from MS	Code
E5EMAIL_LOGS	A132	Accidental event - Environmental effect	Assistance from MS	Code
E5EMAIL_LOGS	A176_1	Accidental event - Environmental effect	Cleanup techniques	Code
E5EMAIL_LOGS	A176	Accidental event - Environmental effect	Cleanup techniques	Code
E5EMAIL_LOGS	A177_1	Accidental event - Environmental effect	Dispersants application	Code
E5EMAIL_LOGS	A177	Accidental event - Environmental effect	Dispersants application	Code
E5EMAIL_LOGS	A179_1	Accidental event - Environmental effect	Habitat degradation	Code
E5EMAIL_LOGS	A179	Accidental event - Environmental effect	Habitat degradation	Code
E5EMAIL_LOGS	A180_1	Accidental event - Environmental effect	Loss of fisheries	Code
E5EMAIL_LOGS	A180	Accidental event - Environmental effect	Loss of fisheries	Code
E5MAIN	USER_ID	Accidental event - Environmental effect	Previous versions of Occurrence.	Alphanumeric
E5MAIN	EDFDATE	Factor	Previous versions of Occurrence.	DateTime
E5MAIN	EDFLOCK	Factor	Previous versions of Occurrence.	Alphanumeric

Table	Column	Entity	Attribute	Type
E5MAIN	A361	Factor	Casualty Report Nr.	Alphanumeric
E5MAIN	A355	Factor	State Reporting	Code
E5MAIN	A355_1	Factor	State Reporting	Code
E5MAIN	A69	Factor	Previous versions of Occurrence.	Alphanumeric
E5MAIN	A70	Factor	Previous versions of Occurrence.	Alphanumeric
E5MAIN	A71	Factor	Previous versions of Occurrence.	Alphanumeric
E5MAIN	A72	Factor	Previous versions of Occurrence.	Decimals
E5MAIN	A73	Factor	Previous versions of Occurrence.	Alphanumeric
E5MAIN	A181_1	Factor	Loss of wildlife	Code
E5MAIN	A181	Factor	Loss of wildlife	Code
E5MAIN	A182_1	Factor	Monitoring/surveillance	Code
E5MAIN	A182	Factor	Monitoring/surveillance	Code
E5MAIN	A185_1	Factor	Response vessels	Code
E5MAIN	A185	Factor	Response vessels	Code
E5MAIN	A186_1	Factor	State - legal action	Code
E5MAIN	A186	Factor	State - legal action	Code
E5MAIN	A217_1	Factor	Inadequate design	Code
E5MAIN	A217_2	Factor	Inadequate design	Code
E5MAIN	A217	Factor	Inadequate design	Code
E5MAIN	A231_1	Factor	Adjacent areas	Code
E5MAIN	A231	Factor	Adjacent areas	Code
E5MAIN	A232_1	Factor	At site, origin fire	Code
E5MAIN	A232	Factor	At site, origin fire	Code
E5MAIN	A233_1	Factor	Fire extinguish with	Code
E5MAIN	A233	Factor	Fire extinguish with	Code
E5MAIN	A236_1	Factor	Outside assist. provided	Code
E5MAIN	A236	Factor	Outside assist. provided	Code
E5MAIN	A237_1	Factor	Portable equip. used	Code
E5MAIN	A237	Factor	Portable equip. used	Code

Annex I: CURRENT EMCIP Data Model Detail

This Annex provides an overview of the EMCIP data model table structure according to the current taxonomy. As defined in chapter “11 EMCIP Migration”, it is proposed using one different view for each New EMCIP entity in order to facilitate the data analysis to the end user.

All the EMCIP database tables defined in this Annex includes the following information in a tabular view:

- **OID:** Provides a globally unique id for every row, contained in the data base.
- **PID:** Process ID of the server process holding or awaiting this lock, or null if the lock is held by a prepared transaction
- **ID:** Unique id every row contained in the table.
- **PK:** Indicates if the field is part of the primary key of the table.
- **Name:** Name of the field (column) of the database table
- **Type:** Type of the field (column). It can be one of the following ones (varchar, numeric, Boolean)
- **Not Null:** Indicates if the field can contains null values (false).
- **Unique:** Indicates if the field can contains duplicates values (false).
- **Len:** Length of the field

If any constrain is defined in the database table an additional table is included in the description with the following fields:

- **Name:** Name of the constraint
- **Type:** Type of the constraint (Public or private)
- **Columns:** Columns affected by the constrain

Note: More information about the whole taxonomy will be provided to the tenderer/contractor upon request.

E5ALIASES

Columns

PK	Name	Type	Not Null	Unique	Len	Prec
True	ATTRIBUTEID	numeric	True	True	0	13
True	ALIASNAME	varchar	True	True	255	0
True	ALIASVALUE	varchar	True	True	255	0
True	ATTRIBUTEVALUE	numeric	True	True	0	13

Constraints

Name	Type	Columns
E5ALIAS_PK	Public	ATTRIBUTEID ALIASNAME ATTRIBUTEVALUE ALIASVALUE

E5AM1

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale
True	OID	numeric	True	True	0	13	0
True	PID	numeric	True	True	0	13	0
True	ID	numeric	True	True	0	13	0
False	A1_1	numeric	False	False	0	13	0
False	A1	numeric	False	False	0	13	0

Constraints

Name	Type	Columns
E5AM1_PK	Public	OID PID ID

E5AM132

Columns

PK	Name	Type	Not Null	Unique	Len	Prec
True	OID	numeric	True	True	0	13
True	PID	numeric	True	True	0	13
True	ID	numeric	True	True	0	13
False	A132_1	numeric	False	False	0	13
False	A132_2	numeric	False	False	0	13
False	A132	numeric	False	False	0	13

Constraints

Name	Type	Columns
E5AM132_PK	Public	OID PID ID

E5AM176

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale
True	OID	numeric	True	True	0	13	0
True	PID	numeric	True	True	0	13	0
True	ID	numeric	True	True	0	13	0
False	A176_1	numeric	False	False	0	13	0
False	A176	numeric	False	False	0	13	0

Constraints

Name	Type	Columns
E5AM176_PK	Public	OID PID ID

E5AM177

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale
True	OID	numeric	True	True	0	13	0
True	PID	numeric	True	True	0	13	0
True	ID	numeric	True	True	0	13	0
False	A177_1	numeric	False	False	0	13	0
False	A177	numeric	False	False	0	13	0

Constraints

Name	Type	Columns
E5AM177_PK	Public	OID PID ID

E5AM179

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale
True	OID	numeric	True	True	0	13	0
True	PID	numeric	True	True	0	13	0
True	ID	numeric	True	True	0	13	0
False	A179_1	numeric	False	False	0	13	0
False	A179	numeric	False	False	0	13	0

Constraints

Name	Type	Columns
E5AM179_PK	Public	OID PID ID

E5AM180

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale
True	OID	numeric	True	True	0	13	0
True	PID	numeric	True	True	0	13	0
True	ID	numeric	True	True	0	13	0
False	A180_1	numeric	False	False	0	13	0
False	A180	numeric	False	False	0	13	0

Constraints

Name	Type	Columns
E5AM180_PK	Public	OID PID ID

E5AM181

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale
True	OID	numeric	True	True	0	13	0
True	PID	numeric	True	True	0	13	0
True	ID	numeric	True	True	0	13	0
False	A181_1	numeric	False	False	0	13	0
False	A181	numeric	False	False	0	13	0

Constraints

Name	Type	Columns
E5AM181_PK	Public	OID PID ID

E5AM182

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale
True	OID	numeric	True	True	0	13	0
True	PID	numeric	True	True	0	13	0
True	ID	numeric	True	True	0	13	0
False	A182_1	numeric	False	False	0	13	0
False	A182	numeric	False	False	0	13	0

Constraints

Name	Type	Columns
E5AM182_PK	Public	OID PID ID

E5AM185

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale
True	OID	numeric	True	True	0	13	0
True	PID	numeric	True	True	0	13	0
True	ID	numeric	True	True	0	13	0
False	A185_1	numeric	False	False	0	13	0
False	A185	numeric	False	False	0	13	0

Constraints

Name	Type	Columns
E5AM185_PK	Public	OID PID ID

E5AM186

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale
True	OID	numeric	True	True	0	13	0
True	PID	numeric	True	True	0	13	0
True	ID	numeric	True	True	0	13	0
False	A186_1	numeric	False	False	0	13	0
False	A186	numeric	False	False	0	13	0

Constraints

Name	Type	Columns
E5AM186_PK	Public	OID PID ID

E5AM2

Columns

PK	Name	Type	Not Null	Unique	Len	Prec
True	OID	numeric	True	True	0	13
True	PID	numeric	True	True	0	13
True	ID	numeric	True	True	0	13
False	A2_1	numeric	False	False	0	13
False	A2	numeric	False	False	0	13

Constraints

Name	Type	Columns
E5AM2_PK	Public	OID PID ID

E5AM217

Columns

PK	Name	Type	Not Null	Unique	Len	Prec
True	OID	numeric	True	True	0	13
True	PID	numeric	True	True	0	13
True	ID	numeric	True	True	0	13
False	A217_1	numeric	False	False	0	13
False	A217_2	numeric	False	False	0	13
False	A217	numeric	False	False	0	13

Constraints

Name	Type	Columns
E5AM217_PK	Public	OID PID ID

E5AM22

Columns

PK	Name	Type	Not Null	Unique	Len
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True	OID	numeric	True	True	0
True	PID	numeric	True	True	0
True	ID	numeric	True	True	0
False	A22_1	numeric	False	False	0
False	A22_2	numeric	False	False	0
False	A22	numeric	False	False	0

Constraints

Name	Type	Columns	Initial Code	Notes
E5AM22_PK	Public	OID PID ID		

E5AM231

Columns

PK	Name	Type	Not Null	Unique	Len
True	OID	numeric	True	True	0
True	PID	numeric	True	True	0
True	ID	numeric	True	True	0
False	A231_1	numeric	False	False	0
False	A231	numeric	False	False	0

Constraints

Name	Type	Columns
E5AM231_PK	Public	OID PID ID

E5AM232

Columns

PK	Name	Type	Not Null	Unique	Len
True	OID	numeric	True	True	0
True	PID	numeric	True	True	0
True	ID	numeric	True	True	0
False	A232_1	numeric	False	False	0
False	A232	numeric	False	False	0

Constraints

Name	Type	Columns
E5AM232_PK	Public	OID PID ID

E5AM233

Columns

PK	Name	Type	Not Null	Unique	Len	Prec
True	OID	numeric	True	True	0	13

True	PID	numeric	True	True	0	13
True	ID	numeric	True	True	0	13
False	A233_1	numeric	False	False	0	13
False	A233	numeric	False	False	0	13

Constraints

Name	Type	Columns	Initial Code	Notes
E5AM233_PK	Public	OID PID ID		

E5AM236

Columns

PK	Name	Type	Not Null	Unique	Len
True	OID	numeric	True	True	0
True	PID	numeric	True	True	0
True	ID	numeric	True	True	0
False	A236_1	numeric	False	False	0
False	A236	numeric	False	False	0

Constraints

Name	Type	Columns
E5AM236_PK	Public	OID PID ID

E5AM237

Columns

PK	Name	Type	Not Null	Unique	Len
True	OID	numeric	True	True	0
True	PID	numeric	True	True	0
True	ID	numeric	True	True	0
False	A237_1	numeric	False	False	0
False	A237	numeric	False	False	0

Constraints

Name	Type	Columns
E5AM237_PK	Public	OID PID ID

E5AM24

Columns

PK	Name	Type	Not Null	Unique	Len
True	OID	numeric	True	True	0
True	PID	numeric	True	True	0

True	ID	numeric	True	True	0
False	A24_1	numeric	False	False	0
False	A24_2	numeric	False	False	0
False	A24_3	numeric	False	False	0
False	A24	numeric	False	False	0

Constraints

Name	Type	Columns
E5AM24_PK	Public	OID PID ID

E5AM256

Columns

PK	Name	Type	Not Null	Unique	Len
True	OID	numeric	True	True	0
True	PID	numeric	True	True	0
True	ID	numeric	True	True	0
False	A256_1	numeric	False	False	0
False	A256_2	numeric	False	False	0
False	A256	numeric	False	False	0

Constraints

Name	Type	Columns
E5AM256_PK	Public	OID PID ID

E5AM265

Columns

PK	Name	Type	Not Null	Unique	Len
True	OID	numeric	True	True	0
True	PID	numeric	True	True	0
True	ID	numeric	True	True	0
False	A265_1	numeric	False	False	0
False	A265_2	numeric	False	False	0
False	A265	numeric	False	False	0

Constraints

Name	Type	Columns
E5AM265_PK	Public	OID PID ID

E5AM266

Columns

PK	Name	Type	Not Null	Unique	Len
True	OID	numeric	True	True	0
True	PID	numeric	True	True	0
True	ID	numeric	True	True	0
False	A266_1	numeric	False	False	0
False	A266_2	numeric	False	False	0
False	A266	numeric	False	False	0

Constraints

Name	Type	Columns
E5AM266_PK	Public	OID PID ID

E5AM283

Columns

PK	Name	Type	Not Null	Unique	Len
True	OID	numeric	True	True	0
True	PID	numeric	True	True	0
True	ID	numeric	True	True	0
False	A283_1	numeric	False	False	0
False	A283_2	numeric	False	False	0
False	A283	numeric	False	False	0

Constraints

Name	Type	Columns
E5AM283_PK	Public	OID PID ID

E5AM31

Columns

PK	Name	Type	Not Null	Unique	Len
True	OID	numeric	True	True	0
True	PID	numeric	True	True	0
True	ID	numeric	True	True	0
False	A31_1	numeric	False	False	0
False	A31	numeric	False	False	0

Constraints

Name	Type	Columns
E5AM31_PK	Public	OID PID ID

E5AM345

Columns

PK	Name	Type	Not Null	Unique	Len
True	OID	numeric	True	True	0
True	PID	numeric	True	True	0
True	ID	numeric	True	True	0
False	A345_1	numeric	False	False	0
False	A345	numeric	False	False	0

Constraints

Name	Type	Columns
E5AM345_PK	Public	OID PID ID

E5AM350

Columns

PK	Name	Type	Not Null	Unique	Len
True	OID	numeric	True	True	0
True	PID	numeric	True	True	0
True	ID	numeric	True	True	0
False	A350_1	numeric	False	False	0
False	A350_2	numeric	False	False	0
False	A350_3	numeric	False	False	0
False	A350_T	varchar	False	False	255
False	A350	numeric	False	False	0

Constraints

Name	Type	Columns
E5AM350_PK	Public	OID PID ID

E5AM370

Columns

PK	Name	Type	Not Null	Unique	Len
True	OID	numeric	True	True	0
True	PID	numeric	True	True	0
True	ID	numeric	True	True	0
False	A370_1	numeric	False	False	0
False	A370	numeric	False	False	0

Constraints

Name	Type	Columns
E5AM370_PK	Public	OID PID ID

E5AM390

Columns

PK	Name	Type	Not Null	Unique	Len
True	OID	numeric	True	True	0
True	PID	numeric	True	True	0
True	ID	numeric	True	True	0
False	A390_1	numeric	False	False	0
False	A390	numeric	False	False	0

Constraints

Name	Type	Columns
E5AM390_PK	Public	OID PID ID

E5AM393

Columns

PK	Name	Type	Not Null	Unique	Len
True	OID	numeric	True	True	0
True	PID	numeric	True	True	0
True	ID	numeric	True	True	0
False	A393	varchar	False	False	2000

Constraints

Name	Type	Columns
E5AM393_PK	Public	OID PID ID

E5AM4201

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	OID	numeric	True	True	0	13	0		
True	PID	numeric	True	True	0	13	0		
True	ID	numeric	True	True	0	13	0		

Constraints

Name	Type	Columns	Initial Code	Notes
E5AM4201_PK	Public	OID PID ID		

E5AM4203

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	OID	numeric	True	True	0	13	0		
True	PID	numeric	True	True	0	13	0		

True	ID	numeric	True	True	0	13	0		
False	A4203_1	numeric	False	False	0	13	0		
False	A4203_2	numeric	False	False	0	13	0		
False	A4203	numeric	False	False	0	13	0		

Constraints

Name	Type	Columns	Initial Code	Notes
E5AM4203_PK	Public	OID PID ID		

E5AM4230

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	OID	numeric	True	True	0	13	0		
True	PID	numeric	True	True	0	13	0		
True	ID	numeric	True	True	0	13	0		
False	A4230_1	numeric	False	False	0	13	0		
False	A4230	numeric	False	False	0	13	0		

Constraints

Name	Type	Columns	Initial Code	Notes
E5AM4230_PK	Public	OID PID ID		

E5AM4259

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	OID	numeric	True	True	0	13	0		
True	PID	numeric	True	True	0	13	0		
True	ID	numeric	True	True	0	13	0		
False	A4259	varchar	False	False	2000	0	0		

Constraints

Name	Type	Columns	Initial Code	Notes
E5AM4259_PK	Public	OID PID ID		

E5AM4260

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	OID	numeric	True	True	0	13	0		
True	PID	numeric	True	True	0	13	0		
True	ID	numeric	True	True	0	13	0		

Constraints

Name	Type	Columns	Initial Code	Notes
E5AM4260_PK	Public	OID PID ID		

E5AM526

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	OID	numeric	True	True	0	13	0		
True	PID	numeric	True	True	0	13	0		
True	ID	numeric	True	True	0	13	0		
False	A526_1	numeric	False	False	0	13	0		
False	A526_2	numeric	False	False	0	13	0		
False	A526	numeric	False	False	0	13	0		

Constraints

Name	Type	Columns	Initial Code	Notes
E5AM526_PK	Public	OID PID ID		

E5AM529

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	OID	numeric	True	True	0	13	0		
True	PID	numeric	True	True	0	13	0		
True	ID	numeric	True	True	0	13	0		
False	A529	varchar	False	False	2000	0	0		

Constraints

Name	Type	Columns	Initial Code	Notes
E5AM529_PK	Public	OID PID ID		

E5ATTACHMENTS

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	BLOBKEY	varchar	True	True	255	0	0		
False	MIMETYPE	varchar	False	False	255	0	0		
False	FILESIZE	numeric	False	False	0	13	0		
False	DATELASTMODIFIC	datetime	False	False	0	23	3		

	ATION								
False	ORGANIZATIONID	varchar	False	False	255	0	0		
False	FILENAME	varchar	False	False	255	0	0		
False	DESCRIPTION	varchar	False	False	255	0	0		
False	FILEEXTENSION	varchar	False	False	255	0	0		
False	BLOBDATA	image	False	False	0	0	0		
False	REPOSITORYNAME	varchar	False	False	255	0	0		

Constraints

Name	Type	Columns	Initial Code	Notes
E5ATTACHMENTS_PK	Public	BLOBKEY		

E5ATTACHMENTSIDS

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	BLOBKEY	varchar	True	True	255	0	0		
True	SFNR	varchar	True	True	255	0	0		
True	SR	numeric	True	True	0	13	0		
True	OCCKEY	varchar	True	True	255	0	0		

Constraints

Name	Type	Columns	Initial Code	Notes
E5ATTACHMENTSIDS_PK	Public	BLOBKEY SFNR SR OCCKEY		

E5BLOBS

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	BLOBKEY	varchar	True	True	255	0	0		
True	OID	numeric	True	True	0	13	0		
False	FILESIZE	numeric	False	False	0	13	0		
False	MIMETYPE	varchar	False	False	50	0	0		
False	DATELASTMODIFICATION	datetime	False	False	0	23	3		
False	FILENAME	varchar	False	False	100	0	0		
False	DESCRIPTION	varchar	False	False	255	0	0		
False	FILEEXTENSION	varchar	False	False	50	0	0		
False	SR	numeric	False	False	0	13	0		
False	SFNR	varchar	False	False	255	0	0		
False	OCCKEY	varchar	True	False	255	0	0		
False	ORGANIZATIONID	varchar	False	False	255	0	0		
False	REPOSITORYNAME	varchar	False	False	255	0	0		

Constraints

Name	Type	Columns	Initial Code	Notes
E5BLOBS_PK	Public	OID BLOBKEY		

E5CUSTOMALIASES

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	ATTRIBUTEID	numeric	True	True	0	13	0		
True	ALIASNAME	varchar	True	True	255	0	0		
True	ALIASVALUE	varchar	True	True	255	0	0		
True	ATTRIBUTEVALUE	numeric	True	True	0	13	0		
False	TAXONOMYNAM	varchar	True	False	255	0	0		
False	TAXONOMYVER	varchar	True	False	255	0	0		
True	TAXONOMYKEY	varchar	True	True	255	0	0		

Constraints

Name	Type	Columns	Initial Code	Notes
E5CUSTOMALIAS_PK	Public	ATTRIBUTEID ALIASNAME ATTRIBUTEVALUE TAXONOMYKEY ALIASVALUE		

E5E1

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	OID	numeric	True	True	0	13	0		
True	ID	numeric	True	True	0	13	0		
False	A391	datetime	False	False	0	23	3		
False	A392	image	False	False	0	0	0		
False	A394	datetime	False	False	0	23	3		
False	A395	image	False	False	0	0	0		
False	A396	numeric	False	False	0	13	0		
False	A397	numeric	False	False	0	13	0		
False	A396_1	numeric	False	False	0	13	0		
False	A397_1	numeric	False	False	0	13	0		
False	A397_2	numeric	False	False	0	13	0		
False	A392_P	image	False	False	0	0	0		
False	A395_P	image	False	False	0	0	0		

Constraints

Name	Type	Columns	Initial Code	Notes
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Name	Type	Columns	Initial Code	Notes
E5E1_PK	Public	OID ID		
E5E1_IDX	Public	OID		

E5E10

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	OID	numeric	True	True	0	13	0		
True	ID	numeric	True	True	0	13	0		
False	A69	varchar	False	False	200 0	0	0		
False	A70	varchar	False	False	200 0	0	0		
False	A71	varchar	False	False	200 0	0	0		
False	A72	numeric	False	False	0	18	5		
False	A73	varchar	False	False	200 0	0	0		

Constraints

Name	Type	Columns	Initial Code	Notes
E5E10_PK	Public	OID ID		
E5E10_IDX	Public	OID		

E5E11

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	OID	numeric	True	True	0	13	0		
True	ID	numeric	True	True	0	13	0		
False	A74	numeric	False	False	0	13	0		
False	A74_1	numeric	False	False	0	13	0		

Constraints

Name	Type	Columns	Initial Code	Notes
E5E11_PK	Public	OID ID		
E5E11_IDX	Public	OID		

E5E12

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	OID	numeric	True	True	0	13	0		
True	ID	numeric	True	True	0	13	0		
False	A78	numeric	False	False	0	13	0		
False	A79	numeric	False	False	0	13	0		

False	A80	numeric	False	False	0	13	0		
False	A81	numeric	False	False	0	13	0		
False	A82	numeric	False	False	0	13	0		
False	A83	numeric	False	False	0	13	0		
False	A84	numeric	False	False	0	13	0		
False	A85	numeric	False	False	0	13	0		
False	A86	numeric	False	False	0	13	0		
False	A87	numeric	False	False	0	13	0		
False	A88	numeric	False	False	0	13	0		
False	A89	numeric	False	False	0	13	0		
False	A90	numeric	False	False	0	13	0		
False	A91	numeric	False	False	0	13	0		
False	A92	numeric	False	False	0	13	0		
False	A93	numeric	False	False	0	13	0		
False	A94	numeric	False	False	0	13	0		
False	A95	numeric	False	False	0	13	0		
False	A96	numeric	False	False	0	13	0		
False	A97	numeric	False	False	0	13	0		
False	A98	numeric	False	False	0	13	0		
False	A76	numeric	False	False	0	13	0		
False	A77	numeric	False	False	0	13	0		
False	A303	numeric	False	False	0	13	0		

Constraints

Name	Type	Columns	Initial Code	Notes
E5E12_PK	Public	OID ID		
E5E12_IDX	Public	OID		

E5E13

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	OID	numeric	True	True	0	13	0		
True	ID	numeric	True	True	0	13	0		
False	A99	numeric	False	False	0	13	0		
False	A100	numeric	False	False	0	13	0		
False	A101	numeric	False	False	0	13	0		
False	A102	numeric	False	False	0	13	0		
False	A103	numeric	False	False	0	13	0		
False	A104	numeric	False	False	0	13	0		
False	A105	numeric	False	False	0	13	0		
False	A106	numeric	False	False	0	13	0		
False	A107	numeric	False	False	0	13	0		
False	A108	numeric	False	False	0	13	0		
False	A109	numeric	False	False	0	13	0		
False	A110	numeric	False	False	0	13	0		
False	A111	numeric	False	False	0	13	0		
False	A112	numeric	False	False	0	13	0		

False	A113	numeric	False	False	0	13	0		
False	A114	numeric	False	False	0	13	0		
False	A115	numeric	False	False	0	13	0		
False	A116	numeric	False	False	0	13	0		
False	A99_1	numeric	False	False	0	13	0		
False	A99_2	numeric	False	False	0	13	0		
False	A99_3	numeric	False	False	0	13	0		
False	A102_1	numeric	False	False	0	13	0		
False	A102_2	numeric	False	False	0	13	0		
False	A103_1	numeric	False	False	0	13	0		
False	A104_1	numeric	False	False	0	13	0		
False	A105_1	numeric	False	False	0	13	0		
False	A106_1	numeric	False	False	0	13	0		
False	A106_2	numeric	False	False	0	13	0		
False	A107_1	numeric	False	False	0	13	0		
False	A108_1	numeric	False	False	0	13	0		
False	A109_1	numeric	False	False	0	13	0		
False	A110_1	numeric	False	False	0	13	0		
False	A110_2	numeric	False	False	0	13	0		
False	A111_1	numeric	False	False	0	13	0		
False	A112_1	numeric	False	False	0	13	0		
False	A113_1	numeric	False	False	0	13	0		
False	A113_2	numeric	False	False	0	13	0		
False	A114_1	numeric	False	False	0	13	0		
False	A115_1	numeric	False	False	0	13	0		
False	A115_2	numeric	False	False	0	13	0		
False	A116_1	numeric	False	False	0	13	0		
False	A116_2	numeric	False	False	0	13	0		

Constraints

Name	Type	Columns	Initial Code	Notes
E5E13_PK	Public	OID ID		
E5E13_IDX	Public	OID		

E5E14

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	OID	numeric	True	True	0	13	0		
True	ID	numeric	True	True	0	13	0		
False	A117	varchar	False	False	2000	0	0		
False	A118	numeric	False	False	0	13	0		
False	A119	numeric	False	False	0	18	5		
False	A120	numeric	False	False	0	18	5		
False	A122	varchar	False	False	2000	0	0		
False	A118_T	varchar	False	False	255	0	0		
False	A118_1	numeric	False	False	0	13	0		
False	A118_2	numeric	False	False	0	13	0		

Constraints

Name	Type	Columns	Initial Code	Notes
E5E14_PK	Public	OID ID		
E5E14_IDX	Public	OID		

E5E15

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	OID	numeric	True	True	0	13	0		
True	ID	numeric	True	True	0	13	0		
False	A123	numeric	False	False	0	18	5		
False	A124	numeric	False	False	0	18	5		
False	A125	numeric	False	False	0	18	5		
False	A126	numeric	False	False	0	13	0		
False	A127	numeric	False	False	0	18	5		
False	A128	numeric	False	False	0	18	5		
False	A129	numeric	False	False	0	13	0		
False	A130	numeric	False	False	0	18	5		

Constraints

Name	Type	Columns	Initial Code	Notes
E5E15_PK	Public	OID ID		
E5E15_IDX	Public	OID		

E5E17

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	OID	numeric	True	True	0	13	0		
True	ID	numeric	True	True	0	13	0		
False	A35	numeric	False	False	0	18	5		
False	A37	numeric	False	False	0	18	5		
False	A174	numeric	False	False	0	13	0		
False	A175	numeric	False	False	0	13	0		
False	A192	varchar	False	False	2000	0	0		
False	A193	numeric	False	False	0	13	0		
False	A195	image	False	False	0	0	0		
False	A196	numeric	False	False	0	13	0		
False	A198	numeric	False	False	0	13	0		
False	A174_1	numeric	False	False	0	13	0		
False	A175_1	numeric	False	False	0	13	0		
False	A193_1	numeric	False	False	0	13	0		
False	A193_2	numeric	False	False	0	13	0		
False	A193_3	numeric	False	False	0	13	0		

False	A196_1	numeric	False	False	0	13	0		
False	A198_1	numeric	False	False	0	13	0		
False	A198_2	numeric	False	False	0	13	0		
False	A195_P	image	False	False	0	0	0		

Constraints

Name	Type	Columns	Initial Code	Notes
E5E17_PK	Public	OID ID		
E5E17_IDX	Public	OID		

E5E18

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	OID	numeric	True	True	0	13	0		
True	ID	numeric	True	True	0	13	0		
False	A194	image	False	False	0	0	0		
False	A197	numeric	False	False	0	13	0		
False	A197_1	numeric	False	False	0	13	0		
False	A197_2	numeric	False	False	0	13	0		
False	A197_3	numeric	False	False	0	13	0		
False	A194_P	image	False	False	0	0	0		

Constraints

Name	Type	Columns	Initial Code	Notes
E5E18_PK	Public	OID ID		
E5E18_IDX	Public	OID		

E5E19

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	OID	numeric	True	True	0	13	0		
True	ID	numeric	True	True	0	13	0		
False	A188	numeric	False	False	0	13	0		
False	A189	numeric	False	False	0	13	0		
False	A190	numeric	False	False	0	13	0		
False	A191	numeric	False	False	0	13	0		
False	A1192	numeric	False	False	0	13	0		
False	A1193	numeric	False	False	0	13	0		
False	A1195	image	False	False	0	0	0		
False	A1196	numeric	False	False	0	13	0		
False	A1198	numeric	False	False	0	13	0		
False	A191_T	varchar	False	False	255	0	0		
False	A1192_T	varchar	False	False	255	0	0		
False	A188_1	numeric	False	False	0	13	0		
False	A189_1	numeric	False	False	0	13	0		
False	A189_2	numeric	False	False	0	13	0		

False	A190_1	numeric	False	False	0	13	0		
False	A190_2	numeric	False	False	0	13	0		
False	A191_1	numeric	False	False	0	13	0		
False	A1192_1	numeric	False	False	0	13	0		
False	A1192_2	numeric	False	False	0	13	0		
False	A1192_3	numeric	False	False	0	13	0		
False	A1193_1	numeric	False	False	0	13	0		
False	A1193_2	numeric	False	False	0	13	0		
False	A1193_3	numeric	False	False	0	13	0		
False	A1196_1	numeric	False	False	0	13	0		
False	A1198_1	numeric	False	False	0	13	0		
False	A1198_2	numeric	False	False	0	13	0		
False	A1195_P	image	False	False	0	0	0		

Constraints

Name	Type	Columns	Initial Code	Notes
E5E19_PK	Public	OID ID		
E5E19_IDX	Public	OID		

E5E20

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	OID	numeric	True	True	0	13	0		
True	ID	numeric	True	True	0	13	0		
False	A199	numeric	False	False	0	13	0		
False	A520	numeric	False	False	0	13	0		
False	A521	numeric	False	False	0	13	0		
False	A522	numeric	False	False	0	13	0		
False	A520_1	numeric	False	False	0	13	0		
False	A520_2	numeric	False	False	0	13	0		
False	A520_3	numeric	False	False	0	13	0		
False	A521_1	numeric	False	False	0	13	0		
False	A521_2	numeric	False	False	0	13	0		
False	A522_1	numeric	False	False	0	13	0		

Constraints

Name	Type	Columns	Initial Code	Notes
E5E20_PK	Public	OID ID		
E5E20_IDX	Public	OID		

E5E24

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	OID	numeric	True	True	0	13	0		

True	ID	numeric	True	True	0	13	0		
False	A243	numeric	False	False	0	13	0		
False	A244	numeric	False	False	0	13	0		
False	A245	numeric	False	False	0	13	0		
False	A246	numeric	False	False	0	13	0		
False	A2192	varchar	False	False	200 0	0	0		
False	A2193	numeric	False	False	0	13	0		
False	A2195	image	False	False	0	0	0		
False	A2196	numeric	False	False	0	13	0		
False	A2198	numeric	False	False	0	13	0		
False	A245_T	varchar	False	False	255	0	0		
False	A243_1	numeric	False	False	0	13	0		
False	A243_2	numeric	False	False	0	13	0		
False	A244_1	numeric	False	False	0	13	0		
False	A244_2	numeric	False	False	0	13	0		
False	A245_1	numeric	False	False	0	13	0		
False	A245_2	numeric	False	False	0	13	0		
False	A245_3	numeric	False	False	0	13	0		
False	A245_4	numeric	False	False	0	13	0		
False	A246_1	numeric	False	False	0	13	0		
False	A246_2	numeric	False	False	0	13	0		
False	A2193_1	numeric	False	False	0	13	0		
False	A2193_2	numeric	False	False	0	13	0		
False	A2193_3	numeric	False	False	0	13	0		
False	A2196_1	numeric	False	False	0	13	0		
False	A2198_1	numeric	False	False	0	13	0		
False	A2198_2	numeric	False	False	0	13	0		
False	A2195_P	image	False	False	0	0	0		

Constraints

Name	Type	Columns	Initial Code	Notes
E5E24_PK	Public	OID ID		
E5E24_IDX	Public	OID		

E5E25

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	OID	numeric	True	True	0	13	0		
True	ID	numeric	True	True	0	13	0		
False	A213	numeric	False	False	0	18	5		
False	A214	numeric	False	False	0	18	5		
False	A215	numeric	False	False	0	18	5		
False	A216	numeric	False	False	0	18	5		
False	A218	numeric	False	False	0	18	5		
False	A219	numeric	False	False	0	13	0		

False	A220	numeric	False	False	0	13	0		
False	A221	numeric	False	False	0	18	5		
False	A222	numeric	False	False	0	13	0		
False	A223	numeric	False	False	0	13	0		
False	A224	numeric	False	False	0	18	5		
False	A247	numeric	False	False	0	18	5		
False	A248	numeric	False	False	0	18	5		
False	A249	numeric	False	False	0	13	0		
False	A250	numeric	False	False	0	13	0		
False	A251	numeric	False	False	0	18	5		
False	A252	numeric	False	False	0	13	0		
False	A253	numeric	False	False	0	13	0		
False	A254	numeric	False	False	0	13	0		
False	A255	numeric	False	False	0	13	0		
False	A257	numeric	False	False	0	13	0		
False	A258	numeric	False	False	0	18	5		
False	A259	numeric	False	False	0	18	5		
False	A260	numeric	False	False	0	13	0		
False	A261	numeric	False	False	0	18	5		
False	A262	numeric	False	False	0	18	5		
False	A263	numeric	False	False	0	13	0		
False	A264	numeric	False	False	0	13	0		
False	A590	numeric	False	False	0	18	5		
False	A591	numeric	False	False	0	18	5		
False	A592	numeric	False	False	0	13	0		
False	A3192	varchar	False	False	2000	0	0		
False	A3193	numeric	False	False	0	13	0		
False	A3195	image	False	False	0	0	0		
False	A3196	numeric	False	False	0	13	0		
False	A3198	numeric	False	False	0	13	0		
False	A220_1	numeric	False	False	0	13	0		
False	A222_1	numeric	False	False	0	13	0		
False	A249_1	numeric	False	False	0	13	0		
False	A249_2	numeric	False	False	0	13	0		
False	A249_3	numeric	False	False	0	13	0		
False	A250_1	numeric	False	False	0	13	0		
False	A252_1	numeric	False	False	0	13	0		
False	A252_2	numeric	False	False	0	13	0		
False	A253_1	numeric	False	False	0	13	0		
False	A254_1	numeric	False	False	0	13	0		
False	A254_2	numeric	False	False	0	13	0		
False	A255_1	numeric	False	False	0	13	0		
False	A257_1	numeric	False	False	0	13	0		
False	A257_2	numeric	False	False	0	13	0		
False	A260_1	numeric	False	False	0	13	0		
False	A263_1	numeric	False	False	0	13	0		
False	A264_1	numeric	False	False	0	13	0		
False	A264_2	numeric	False	False	0	13	0		
False	A264_3	numeric	False	False	0	13	0		

False	A592_1	numeric	False	False	0	13	0		
False	A3193_1	numeric	False	False	0	13	0		
False	A3193_2	numeric	False	False	0	13	0		
False	A3193_3	numeric	False	False	0	13	0		
False	A3196_1	numeric	False	False	0	13	0		
False	A3198_1	numeric	False	False	0	13	0		
False	A3198_2	numeric	False	False	0	13	0		
False	A3195_P	image	False	False	0	0	0		

Constraints

Name	Type	Columns	Initial Code	Notes
E5E25_PK	Public	OID ID		
E5E25_IDX	Public	OID		

E5E27

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	OID	numeric	True	True	0	13	0		
True	ID	numeric	True	True	0	13	0		
False	A341	numeric	False	False	0	13	0		
False	A342	image	False	False	0	0	0		
False	A341_1	numeric	False	False	0	13	0		
False	A342_P	image	False	False	0	0	0		

Constraints

Name	Type	Columns	Initial Code	Notes
E5E27_PK	Public	OID ID		
E5E27_IDX	Pubic	OID		

E5E28

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	OID	numeric	True	True	0	13	0		
True	ID	numeric	True	True	0	13	0		
False	A3	numeric	False	False	0	13	0		
False	A4	datetime	False	False	0	23	3		
False	A5	image	False	False	0	0	0		
False	A6	numeric	False	False	0	13	0		
False	A7	varchar	False	False	2000	0	0		
False	A8	datetime	False	False	0	23	3		
False	A9	image	False	False	0	0	0		
False	A178	numeric	False	False	0	18	5		
False	A183	numeric	False	False	0	18	5		
False	A184	numeric	False	False	0	13	0		
False	A187	numeric	False	False	0	13	0		

False	A200	numeric	False	False	0	18	5		
False	A201	numeric	False	False	0	18	5		
False	A202	numeric	False	False	0	13	0		
False	A203	numeric	False	False	0	13	0		
False	A204	numeric	False	False	0	13	0		
False	A205	numeric	False	False	0	13	0		
False	A206	numeric	False	False	0	13	0		
False	A207	numeric	False	False	0	13	0		
False	A208	numeric	False	False	0	18	5		
False	A209	numeric	False	False	0	13	0		
False	A210	numeric	False	False	0	13	0		
False	A211	numeric	False	False	0	18	5		
False	A212	numeric	False	False	0	13	0		
False	A335	numeric	False	False	0	18	5		
False	A343	numeric	False	False	0	13	0		
False	A346	datetime	False	False	0	23	3		
False	A347	datetime	False	False	0	23	3		
False	A348	datetime	False	False	0	23	3		
False	A349	datetime	False	False	0	23	3		
False	A352	numeric	False	False	0	13	0		
False	A353	numeric	False	False	0	13	0		
False	A354	numeric	False	False	0	13	0		
False	A356	numeric	False	False	0	13	0		
False	A357	numeric	False	False	0	13	0		
False	A359	numeric	False	False	0	13	0		
False	A360	numeric	False	False	0	13	0		
False	A362	numeric	False	False	0	13	0		
False	A365	numeric	False	False	0	13	0		
False	A366	numeric	False	False	0	13	0		
False	A367	numeric	False	False	0	13	0		
False	A368	numeric	False	False	0	13	0		
False	A369	numeric	False	False	0	13	0		
False	A371	numeric	False	False	0	13	0		
False	A372	datetime	False	False	0	23	3		
False	A373	datetime	False	False	0	23	3		
False	A374	varchar	False	False	2000	0	0		
False	A375	numeric	False	False	0	13	0		
False	A376	varchar	False	False	2000	0	0		
False	A377	numeric	False	False	0	13	0		
False	A378	numeric	False	False	0	13	0		
False	A379	numeric	False	False	0	13	0		
False	A380	numeric	False	False	0	13	0		
False	A381	numeric	False	False	0	13	0		
False	A382	numeric	False	False	0	13	0		
False	A383	numeric	False	False	0	13	0		
False	A384	numeric	False	False	0	13	0		
False	A385	numeric	False	False	0	13	0		
False	A398	image	False	False	0	0	0		
False	A399	datetime	False	False	0	23	3		

False	A400	image	False	False	0	0	0		
False	A401	numeric	False	False	0	13	0		
False	A402	image	False	False	0	0	0		
False	A403	numeric	False	False	0	13	0		
False	A404	image	False	False	0	0	0		
False	A405	image	False	False	0	0	0		
False	A406	image	False	False	0	0	0		
False	A407	image	False	False	0	0	0		
False	A408	numeric	False	False	0	13	0		
False	A409	numeric	False	False	0	18	5		
False	A410	numeric	False	False	0	13	0		
False	A411	numeric	False	False	0	18	5		
False	A412	numeric	False	False	0	13	0		
False	A413	numeric	False	False	0	18	5		
False	A414	numeric	False	False	0	13	0		
False	A415	numeric	False	False	0	13	0		
False	A416	numeric	False	False	0	18	5		
False	A417	numeric	False	False	0	13	0		
False	A418	numeric	False	False	0	18	5		
False	A419	datetime	False	False	0	23	3		
False	A420	numeric	False	False	0	13	0		
False	A421	numeric	False	False	0	13	0		
False	A422	numeric	False	False	0	13	0		
False	A423	numeric	False	False	0	13	0		
False	A519	datetime	False	False	0	23	3		
False	A523	numeric	False	False	0	18	5		
False	A524	numeric	False	False	0	18	5		
False	A527	datetime	False	False	0	23	3		
False	A528	datetime	False	False	0	23	3		
False	A531	numeric	False	False	0	13	0		
False	A532	numeric	False	False	0	13	0		
False	A543	numeric	False	False	0	13	0		
False	A544	varchar	False	False	2000	0	0		
False	A545	image	False	False	0	0	0		
False	A593	numeric	False	False	0	13	0		
False	A594	varchar	False	False	2000	0	0		
False	A595	varchar	False	False	2000	0	0		
False	A596	varchar	False	False	2000	0	0		
False	A4199	numeric	False	False	0	18	5		
False	A4200	numeric	False	False	0	13	0		
False	A4202	image	False	False	0	0	0		
False	A4209	numeric	False	False	0	13	0		
False	A4223	image	False	False	0	0	0		
False	A4224	numeric	False	False	0	18	5		
False	A4248	numeric	False	False	0	13	0		
False	A4253	numeric	False	False	0	13	0		
False	A4257	numeric	False	False	0	13	0		
False	A3_1	numeric	False	False	0	13	0		
False	A184_1	numeric	False	False	0	13	0		

False	A187_1	numeric	False	False	0	13	0		
False	A202_1	numeric	False	False	0	13	0		
False	A203_1	numeric	False	False	0	13	0		
False	A204_1	numeric	False	False	0	13	0		
False	A205_1	numeric	False	False	0	13	0		
False	A206_1	numeric	False	False	0	13	0		
False	A206_2	numeric	False	False	0	13	0		
False	A207_1	numeric	False	False	0	13	0		
False	A209_1	numeric	False	False	0	13	0		
False	A210_1	numeric	False	False	0	13	0		
False	A210_2	numeric	False	False	0	13	0		
False	A212_1	numeric	False	False	0	13	0		
False	A343_1	numeric	False	False	0	13	0		
False	A352_1	numeric	False	False	0	13	0		
False	A353_1	numeric	False	False	0	13	0		
False	A354_1	numeric	False	False	0	13	0		
False	A354_2	numeric	False	False	0	13	0		
False	A356_1	numeric	False	False	0	13	0		
False	A357_1	numeric	False	False	0	13	0		
False	A357_2	numeric	False	False	0	13	0		
False	A359_1	numeric	False	False	0	13	0		
False	A360_1	numeric	False	False	0	13	0		
False	A365_1	numeric	False	False	0	13	0		
False	A366_1	numeric	False	False	0	13	0		
False	A369_1	numeric	False	False	0	13	0		
False	A371_1	numeric	False	False	0	13	0		
False	A375_1	numeric	False	False	0	13	0		
False	A377_1	numeric	False	False	0	13	0		
False	A401_1	numeric	False	False	0	13	0		
False	A403_1	numeric	False	False	0	13	0		
False	A408_1	numeric	False	False	0	13	0		
False	A408_2	numeric	False	False	0	13	0		
False	A408_3	numeric	False	False	0	13	0		
False	A410_1	numeric	False	False	0	13	0		
False	A410_2	numeric	False	False	0	13	0		
False	A410_3	numeric	False	False	0	13	0		
False	A412_1	numeric	False	False	0	13	0		
False	A412_2	numeric	False	False	0	13	0		
False	A412_3	numeric	False	False	0	13	0		
False	A414_1	numeric	False	False	0	13	0		
False	A415_1	numeric	False	False	0	13	0		
False	A415_2	numeric	False	False	0	13	0		
False	A415_3	numeric	False	False	0	13	0		
False	A417_1	numeric	False	False	0	13	0		
False	A417_2	numeric	False	False	0	13	0		
False	A417_3	numeric	False	False	0	13	0		
False	A420_1	numeric	False	False	0	13	0		
False	A421_1	numeric	False	False	0	13	0		
False	A421_2	numeric	False	False	0	13	0		

False	A422_1	numeric	False	False	0	13	0		
False	A423_1	numeric	False	False	0	13	0		
False	A531_1	numeric	False	False	0	13	0		
False	A532_1	numeric	False	False	0	13	0		
False	A543_1	numeric	False	False	0	13	0		
False	A593_1	numeric	False	False	0	13	0		
False	A593_2	numeric	False	False	0	13	0		
False	A4200_1	numeric	False	False	0	13	0		
False	A4209_1	numeric	False	False	0	13	0		
False	A4209_2	numeric	False	False	0	13	0		
False	A4209_3	numeric	False	False	0	13	0		
False	A4248_1	numeric	False	False	0	13	0		
False	A4253_1	numeric	False	False	0	13	0		
False	A4257_1	numeric	False	False	0	13	0		
False	A5_P	image	False	False	0	0	0		
False	A9_P	image	False	False	0	0	0		
False	A398_P	image	False	False	0	0	0		
False	A400_P	image	False	False	0	0	0		
False	A402_P	image	False	False	0	0	0		
False	A404_P	image	False	False	0	0	0		
False	A405_P	image	False	False	0	0	0		
False	A406_P	image	False	False	0	0	0		
False	A407_P	image	False	False	0	0	0		
False	A545_P	image	False	False	0	0	0		
False	A4202_P	image	False	False	0	0	0		
False	A4223_P	image	False	False	0	0	0		

Constraints

Name	Type	Columns	Initial Code	Notes
E5E28_PK	Public	OID ID		
E5E28_IDX	Public	OID		

E5E29

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	OID	numeric	True	True	0	13	0		
True	ID	numeric	True	True	0	13	0		
False	A386	numeric	False	False	0	13	0		
False	A387	numeric	False	False	0	13	0		
False	A4192	varchar	False	False	2000	0	0		
False	A4193	numeric	False	False	0	13	0		
False	A4195	image	False	False	0	0	0		
False	A4196	numeric	False	False	0	13	0		
False	A4198	numeric	False	False	0	13	0		
False	A386_1	numeric	False	False	0	13	0		
False	A387_1	numeric	False	False	0	13	0		
False	A4193_1	numeric	False	False	0	13	0		

False	A4193_2	numeric	False	False	0	13	0		
False	A4193_3	numeric	False	False	0	13	0		
False	A4196_1	numeric	False	False	0	13	0		
False	A4198_1	numeric	False	False	0	13	0		
False	A4198_2	numeric	False	False	0	13	0		
False	A4195_P	image	False	False	0	0	0		

Constraints

Name	Type	Columns	Initial Code	Notes
E5E29_PK	Public	OID ID		
E5E29_IDX	Public	OID		

E5E3

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	OID	numeric	True	True	0	13	0		
True	ID	numeric	True	True	0	13	0		

Constraints

Name	Type	Columns	Initial Code	Notes
E5E3_PK	Public	OID ID		
E5E3_IDX	Public	OID		

E5E30

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	OID	numeric	True	True	0	13	0		
True	ID	numeric	True	True	0	13	0		
False	A388	numeric	False	False	0	13	0		
False	A389	numeric	False	False	0	13	0		
False	A389_1	numeric	False	False	0	13	0		

Constraints

Name	Type	Columns	Initial Code	Notes
E5E30_PK	Public	OID ID		
E5E30_IDX	Public	OID		

E5E33

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	OID	numeric	True	True	0	13	0		
True	ID	numeric	True	True	0	13	0		
False	A11	numeric	False	False	0	13	0		

False	A12	numeric	False	False	0	13	0		
False	A13	numeric	False	False	0	13	0		
False	A14	numeric	False	False	0	13	0		
False	A16	numeric	False	False	0	13	0		
False	A17	numeric	False	False	0	13	0		
False	A18	numeric	False	False	0	13	0		
False	A21	numeric	False	False	0	13	0		
False	A23	numeric	False	False	0	13	0		
False	A26	numeric	False	False	0	13	0		
False	A32	numeric	False	False	0	13	0		
False	A33	numeric	False	False	0	13	0		
False	A34	numeric	False	False	0	13	0		
False	A36	numeric	False	False	0	13	0		
False	A131	image	False	False	0	0	0		
False	A137	numeric	False	False	0	13	0		
False	A140	numeric	False	False	0	13	0		
False	A142	numeric	False	False	0	13	0		
False	A143	numeric	False	False	0	13	0		
False	A148	image	False	False	0	0	0		
False	A284	numeric	False	False	0	18	5		
False	A285	numeric	False	False	0	18	5		
False	A286	numeric	False	False	0	18	5		
False	A287	numeric	False	False	0	18	5		
False	A288	numeric	False	False	0	18	5		
False	A289	numeric	False	False	0	18	5		
False	A290	numeric	False	False	0	18	5		
False	A291	numeric	False	False	0	18	5		
False	A292	numeric	False	False	0	18	5		
False	A293	numeric	False	False	0	18	5		
False	A294	varchar	False	False	2000	0	0		
False	A295	numeric	False	False	0	18	5		
False	A296	numeric	False	False	0	18	5		
False	A297	numeric	False	False	0	18	5		
False	A298	numeric	False	False	0	18	5		
False	A299	numeric	False	False	0	18	5		
False	A300	numeric	False	False	0	18	5		
False	A301	numeric	False	False	0	18	5		
False	A302	numeric	False	False	0	18	5		
False	A304	numeric	False	False	0	18	5		
False	A305	numeric	False	False	0	18	5		
False	A306	numeric	False	False	0	18	5		
False	A307	numeric	False	False	0	18	5		
False	A308	numeric	False	False	0	18	5		
False	A309	numeric	False	False	0	18	5		
False	A310	numeric	False	False	0	18	5		
False	A311	numeric	False	False	0	18	5		
False	A312	numeric	False	False	0	18	5		
False	A313	numeric	False	False	0	18	5		
False	A314	numeric	False	False	0	18	5		

False	A315	numeric	False	False	0	18	5		
False	A316	numeric	False	False	0	18	5		
False	A317	numeric	False	False	0	18	5		
False	A318	numeric	False	False	0	18	5		
False	A319	numeric	False	False	0	18	5		
False	A225	image	False	False	0	0	0		
False	A226	numeric	False	False	0	13	0		
False	A227	image	False	False	0	0	0		
False	A228	image	False	False	0	0	0		
False	A229	numeric	False	False	0	13	0		
False	A230	numeric	False	False	0	13	0		
False	A234	numeric	False	False	0	13	0		
False	A235	image	False	False	0	0	0		
False	A238	image	False	False	0	0	0		
False	A242	numeric	False	False	0	13	0		
False	A332	image	False	False	0	0	0		
False	A333	image	False	False	0	0	0		
False	A334	numeric	False	False	0	13	0		
False	A336	image	False	False	0	0	0		
False	A337	image	False	False	0	0	0		
False	A424	numeric	False	False	0	13	0		
False	A430	numeric	False	False	0	13	0		
False	A431	numeric	False	False	0	13	0		
False	A436	numeric	False	False	0	13	0		
False	A437	numeric	False	False	0	13	0		
False	A438	numeric	False	False	0	13	0		
False	A441	numeric	False	False	0	13	0		
False	A446	numeric	False	False	0	13	0		
False	A448	numeric	False	False	0	13	0		
False	A450	numeric	False	False	0	13	0		
False	A468	numeric	False	False	0	13	0		
False	A469	numeric	False	False	0	13	0		
False	A473	numeric	False	False	0	13	0		
False	A474	numeric	False	False	0	13	0		
False	A475	numeric	False	False	0	13	0		
False	A476	numeric	False	False	0	13	0		
False	A478	numeric	False	False	0	13	0		
False	A479	numeric	False	False	0	13	0		
False	A483	numeric	False	False	0	13	0		
False	A486	numeric	False	False	0	13	0		
False	A487	numeric	False	False	0	13	0		
False	A488	numeric	False	False	0	13	0		
False	A489	numeric	False	False	0	13	0		
False	A490	numeric	False	False	0	13	0		
False	A492	numeric	False	False	0	13	0		
False	A498	numeric	False	False	0	13	0		
False	A502	numeric	False	False	0	13	0		
False	A503	numeric	False	False	0	13	0		
False	A508	numeric	False	False	0	13	0		

False	A509	numeric	False	False	0	13	0		
False	A511	numeric	False	False	0	13	0		
False	A513	numeric	False	False	0	13	0		
False	A514	numeric	False	False	0	13	0		
False	A515	numeric	False	False	0	13	0		
False	A525	numeric	False	False	0	13	0		
False	A4219	numeric	False	False	0	13	0		
False	A4229	numeric	False	False	0	13	0		
False	A4258	numeric	False	False	0	13	0		
False	A11_1	numeric	False	False	0	13	0		
False	A12_1	numeric	False	False	0	13	0		
False	A13_1	numeric	False	False	0	13	0		
False	A14_1	numeric	False	False	0	13	0		
False	A16_1	numeric	False	False	0	13	0		
False	A17_1	numeric	False	False	0	13	0		
False	A18_1	numeric	False	False	0	13	0		
False	A21_1	numeric	False	False	0	13	0		
False	A23_1	numeric	False	False	0	13	0		
False	A26_1	numeric	False	False	0	13	0		
False	A32_1	numeric	False	False	0	13	0		
False	A32_2	numeric	False	False	0	13	0		
False	A32_3	numeric	False	False	0	13	0		
False	A33_1	numeric	False	False	0	13	0		
False	A34_1	numeric	False	False	0	13	0		
False	A36_1	numeric	False	False	0	13	0		
False	A137_1	numeric	False	False	0	13	0		
False	A140_1	numeric	False	False	0	13	0		
False	A142_1	numeric	False	False	0	13	0		
False	A143_1	numeric	False	False	0	13	0		
False	A226_1	numeric	False	False	0	13	0		
False	A229_1	numeric	False	False	0	13	0		
False	A230_1	numeric	False	False	0	13	0		
False	A234_1	numeric	False	False	0	13	0		
False	A242_1	numeric	False	False	0	13	0		
False	A334_1	numeric	False	False	0	13	0		
False	A424_1	numeric	False	False	0	13	0		
False	A430_1	numeric	False	False	0	13	0		
False	A431_1	numeric	False	False	0	13	0		
False	A436_1	numeric	False	False	0	13	0		
False	A437_1	numeric	False	False	0	13	0		
False	A438_1	numeric	False	False	0	13	0		
False	A438_2	numeric	False	False	0	13	0		
False	A441_1	numeric	False	False	0	13	0		
False	A446_1	numeric	False	False	0	13	0		
False	A448_1	numeric	False	False	0	13	0		
False	A450_1	numeric	False	False	0	13	0		
False	A468_1	numeric	False	False	0	13	0		
False	A469_1	numeric	False	False	0	13	0		
False	A473_1	numeric	False	False	0	13	0		

False	A474_1	numeric	False	False	0	13	0		
False	A474_2	numeric	False	False	0	13	0		
False	A474_3	numeric	False	False	0	13	0		
False	A475_1	numeric	False	False	0	13	0		
False	A476_1	numeric	False	False	0	13	0		
False	A478_1	numeric	False	False	0	13	0		
False	A478_2	numeric	False	False	0	13	0		
False	A479_1	numeric	False	False	0	13	0		
False	A483_1	numeric	False	False	0	13	0		
False	A486_1	numeric	False	False	0	13	0		
False	A486_2	numeric	False	False	0	13	0		
False	A487_1	numeric	False	False	0	13	0		
False	A488_1	numeric	False	False	0	13	0		
False	A489_1	numeric	False	False	0	13	0		
False	A490_1	numeric	False	False	0	13	0		
False	A490_2	numeric	False	False	0	13	0		
False	A490_3	numeric	False	False	0	13	0		
False	A490_4	numeric	False	False	0	13	0		
False	A490_5	numeric	False	False	0	13	0		
False	A492_1	numeric	False	False	0	13	0		
False	A498_1	numeric	False	False	0	13	0		
False	A502_1	numeric	False	False	0	13	0		
False	A503_1	numeric	False	False	0	13	0		
False	A508_1	numeric	False	False	0	13	0		
False	A508_2	numeric	False	False	0	13	0		
False	A508_3	numeric	False	False	0	13	0		
False	A509_1	numeric	False	False	0	13	0		
False	A509_2	numeric	False	False	0	13	0		
False	A509_3	numeric	False	False	0	13	0		
False	A511_1	numeric	False	False	0	13	0		
False	A511_2	numeric	False	False	0	13	0		
False	A513_1	numeric	False	False	0	13	0		
False	A514_1	numeric	False	False	0	13	0		
False	A515_1	numeric	False	False	0	13	0		
False	A525_1	numeric	False	False	0	13	0		
False	A525_2	numeric	False	False	0	13	0		
False	A525_3	numeric	False	False	0	13	0		
False	A4219_1	numeric	False	False	0	13	0		
False	A4229_1	numeric	False	False	0	13	0		
False	A4258_1	numeric	False	False	0	13	0		
False	A131_P	image	False	False	0	0	0		
False	A148_P	image	False	False	0	0	0		
False	A225_P	image	False	False	0	0	0		
False	A227_P	image	False	False	0	0	0		
False	A228_P	image	False	False	0	0	0		
False	A235_P	image	False	False	0	0	0		
False	A238_P	image	False	False	0	0	0		
False	A332_P	image	False	False	0	0	0		
False	A333_P	image	False	False	0	0	0		

False	A336_P	image	False	False	0	0	0		
False	A337_P	image	False	False	0	0	0		

Constraints

Name	Type	Columns	Initial Code	Notes
E5E33_PK	Public	OID ID		
E5E33_IDX	Public	OID		

E5E33_1

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	OID	numeric	True	True	0	13	0		
True	ID	numeric	True	True	0	13	0		
False	A15	numeric	False	False	0	18	5		
False	A19	numeric	False	False	0	18	5		
False	A20	numeric	False	False	0	13	0		
False	A25	numeric	False	False	0	18	5		
False	A28	numeric	False	False	0	18	5		
False	A29	numeric	False	False	0	18	5		
False	A38	numeric	False	False	0	18	5		
False	A133	numeric	False	False	0	18	5		
False	A134	numeric	False	False	0	18	5		
False	A135	numeric	False	False	0	18	5		
False	A136	numeric	False	False	0	18	5		
False	A138	numeric	False	False	0	18	5		
False	A139	numeric	False	False	0	18	5		
False	A144	numeric	False	False	0	18	5		
False	A145	numeric	False	False	0	18	5		
False	A146	numeric	False	False	0	18	5		
False	A161	numeric	False	False	0	18	5		
False	A162	numeric	False	False	0	18	5		
False	A163	numeric	False	False	0	18	5		
False	A164	numeric	False	False	0	18	5		
False	A165	numeric	False	False	0	18	5		
False	A166	numeric	False	False	0	18	5		
False	A268	numeric	False	False	0	18	5		
False	A269	numeric	False	False	0	18	5		
False	A270	numeric	False	False	0	18	5		
False	A271	numeric	False	False	0	18	5		
False	A272	numeric	False	False	0	18	5		
False	A273	numeric	False	False	0	18	5		
False	A274	numeric	False	False	0	18	5		
False	A275	numeric	False	False	0	18	5		
False	A276	numeric	False	False	0	18	5		
False	A277	numeric	False	False	0	18	5		
False	A278	numeric	False	False	0	18	5		
False	A279	numeric	False	False	0	18	5		

False	A280	numeric	False	False	0	18	5		
False	A281	numeric	False	False	0	18	5		
False	A282	numeric	False	False	0	18	5		
False	A239	numeric	False	False	0	18	5		
False	A240	numeric	False	False	0	18	5		
False	A241	numeric	False	False	0	18	5		
False	A267	numeric	False	False	0	18	5		
False	A320	numeric	False	False	0	18	5		
False	A321	numeric	False	False	0	18	5		
False	A322	numeric	False	False	0	18	5		
False	A323	numeric	False	False	0	18	5		
False	A324	numeric	False	False	0	18	5		
False	A325	numeric	False	False	0	18	5		
False	A326	numeric	False	False	0	18	5		
False	A327	numeric	False	False	0	18	5		
False	A328	numeric	False	False	0	18	5		
False	A329	numeric	False	False	0	18	5		
False	A330	numeric	False	False	0	18	5		
False	A331	numeric	False	False	0	18	5		
False	A425	numeric	False	False	0	18	5		
False	A426	varchar	False	False	2000	0	0		
False	A427	numeric	False	False	0	18	5		
False	A428	varchar	False	False	2000	0	0		
False	A429	varchar	False	False	2000	0	0		
False	A432	varchar	False	False	2000	0	0		
False	A433	varchar	False	False	2000	0	0		
False	A434	datetime	False	False	0	23	3		
False	A435	numeric	False	False	0	18	5		
False	A439	numeric	False	False	0	18	5		
False	A440	numeric	False	False	0	18	5		
False	A442	numeric	False	False	0	18	5		
False	A444	numeric	False	False	0	18	5		
False	A445	numeric	False	False	0	18	5		
False	A447	varchar	False	False	2000	0	0		
False	A449	varchar	False	False	2000	0	0		
False	A451	numeric	False	False	0	13	0		
False	A452	numeric	False	False	0	18	5		
False	A453	numeric	False	False	0	18	5		
False	A454	numeric	False	False	0	18	5		
False	A455	varchar	False	False	2000	0	0		
False	A456	numeric	False	False	0	13	0		
False	A457	numeric	False	False	0	18	5		
False	A458	numeric	False	False	0	18	5		
False	A459	numeric	False	False	0	13	0		
False	A460	numeric	False	False	0	18	5		
False	A461	numeric	False	False	0	13	0		
False	A462	numeric	False	False	0	18	5		
False	A463	varchar	False	False	2000	0	0		
False	A465	numeric	False	False	0	13	0		

False	A466	numeric	False	False	0	13	0		
False	A467	numeric	False	False	0	13	0		
False	A470	numeric	False	False	0	13	0		
False	A471	varchar	False	False	2000	0	0		
False	A472	varchar	False	False	2000	0	0		
False	A477	varchar	False	False	2000	0	0		
False	A480	varchar	False	False	2000	0	0		
False	A481	numeric	False	False	0	18	5		
False	A482	numeric	False	False	0	18	5		
False	A484	numeric	False	False	0	13	0		
False	A485	numeric	False	False	0	18	5		
False	A491	varchar	False	False	2000	0	0		
False	A493	numeric	False	False	0	18	5		
False	A494	numeric	False	False	0	18	5		
False	A495	numeric	False	False	0	13	0		
False	A496	numeric	False	False	0	13	0		
False	A499	numeric	False	False	0	18	5		
False	A500	numeric	False	False	0	18	5		
False	A501	numeric	False	False	0	18	5		
False	A504	numeric	False	False	0	13	0		
False	A505	numeric	False	False	0	13	0		
False	A506	numeric	False	False	0	13	0		
False	A507	numeric	False	False	0	13	0		
False	A512	varchar	False	False	2000	0	0		
False	A546	numeric	False	False	0	18	5		
False	A4211	numeric	False	False	0	18	5		
False	A4212	numeric	False	False	0	18	5		
False	A4213	numeric	False	False	0	18	5		
False	A4244	numeric	False	False	0	18	5		
False	A4245	numeric	False	False	0	18	5		
False	A4246	numeric	False	False	0	18	5		

Constraints

Name	Type	Columns	Initial Code	Notes
E5E33_PK_1	Public	OID ID		
E5E33_IDX_1	Public	OID		

E5E36

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	OID	numeric	True	True	0	13	0		
True	ID	numeric	True	True	0	13	0		
False	A338	datetime	False	False	0	23	3		
False	A339	varchar	False	False	200 0	0	0		
False	A340	image	False	False	0	0	0		

False	A340_P	image	False	False	0	0	0		
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Constraints

Name	Type	Columns	Initial Code	Notes
E5E36_PK	Public	OID ID		
E5E36_IDX	Public	OID		

E5E37

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	OID	numeric	True	True	0	13	0		
True	ID	numeric	True	True	0	13	0		
False	A171	varchar	False	False	2000	0	0		
False	A172	datetime	False	False	0	23	3		
False	A173	numeric	False	False	0	13	0		
False	A173_1	numeric	False	False	0	13	0		

Constraints

Name	Type	Columns	Initial Code	Notes
E5E37_PK	Public	OID ID		
E5E37_IDX	Public	OID		

E5E38

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	OID	numeric	True	True	0	13	0		
True	ID	numeric	True	True	0	13	0		
False	A497	numeric	False	False	0	13	0		
False	A510	numeric	False	False	0	18	5		
False	A497_1	numeric	False	False	0	13	0		
False	A497_2	numeric	False	False	0	13	0		

Constraints

Name	Type	Columns	Initial Code	Notes
E5E38_PK	Public	OID ID		
E5E38_IDX	Public	OID		

E5E39

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	OID	numeric	True	True	0	13	0		

True	ID	numeric	True	True	0	13	0		
False	A534	image	False	False	0	0	0		
False	A535	datetime	False	False	0	23	3		
False	A536	numeric	False	False	0	13	0		
False	A537	numeric	False	False	0	13	0		
False	A538	varchar	False	False	2000	0	0		
False	A539	numeric	False	False	0	13	0		
False	A540	varchar	False	False	2000	0	0		
False	A541	numeric	False	False	0	13	0		
False	A542	numeric	False	False	0	13	0		
False	A597	numeric	False	False	0	13	0		
False	A598	varchar	False	False	2000	0	0		
False	A599	varchar	False	False	2000	0	0		
False	A536_1	numeric	False	False	0	13	0		
False	A537_1	numeric	False	False	0	13	0		
False	A539_1	numeric	False	False	0	13	0		
False	A541_1	numeric	False	False	0	13	0		
False	A542_1	numeric	False	False	0	13	0		
False	A597_1	numeric	False	False	0	13	0		
False	A534_P	image	False	False	0	0	0		

Constraints

Name	Type	Columns	Initial Code	Notes
E5E39_PK	Public	OID ID		
E5E39_IDX	Public	OID		

E5E4

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	OID	numeric	True	True	0	13	0		
True	ID	numeric	True	True	0	13	0		
False	A39	varchar	False	False	2000	0	0		
False	A40	numeric	False	False	0	13	0		
False	A41	numeric	False	False	0	18	5		
False	A42	numeric	False	False	0	13	0		
False	A43	numeric	False	False	0	13	0		
False	A44	varchar	False	False	2000	0	0		
False	A40_T	varchar	False	False	255	0	0		
False	A43_T	varchar	False	False	255	0	0		
False	A40_1	numeric	False	False	0	13	0		
False	A40_2	numeric	False	False	0	13	0		
False	A42_1	numeric	False	False	0	13	0		
False	A43_1	numeric	False	False	0	13	0		

Constraints

Name	Type	Columns	Initial Code	Notes
E5E4_PK	Public	OID		

Name	Type	Columns	Initial Code	Notes
		ID		
E5E4_IDX	Public	OID		

E5E40

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	OID	numeric	True	True	0	13	0		
True	ID	numeric	True	True	0	13	0		
False	A4205	datetime	False	False	0	23	3		
False	A4206	varchar	False	False	2000	0	0		
False	A4207	varchar	False	False	2000	0	0		

Constraints

Name	Type	Columns	Initial Code	Notes
E5E40_PK	Public	OID ID		
E5E40_IDX	Public	OID		

E5E41

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	OID	numeric	True	True	0	13	0		
True	ID	numeric	True	True	0	13	0		
False	A147	numeric	False	False	0	13	0		
False	A149	numeric	False	False	0	13	0		
False	A150	numeric	False	False	0	18	5		
False	A151	numeric	False	False	0	18	5		
False	A152	numeric	False	False	0	18	5		
False	A153	numeric	False	False	0	18	5		
False	A154	numeric	False	False	0	18	5		
False	A155	numeric	False	False	0	18	5		
False	A156	numeric	False	False	0	18	5		
False	A157	numeric	False	False	0	18	5		
False	A158	numeric	False	False	0	18	5		
False	A159	numeric	False	False	0	18	5		
False	A160	numeric	False	False	0	18	5		
False	A167	numeric	False	False	0	13	0		
False	A168	numeric	False	False	0	13	0		
False	A169	numeric	False	False	0	13	0		
False	A170	numeric	False	False	0	13	0		
False	A4214	numeric	False	False	0	13	0		
False	A4215	numeric	False	False	0	13	0		
False	A4216	numeric	False	False	0	13	0		
False	A4217	numeric	False	False	0	13	0		
False	A4218	numeric	False	False	0	13	0		
False	A4247	numeric	False	False	0	18	5		
False	A147_1	numeric	False	False	0	13	0		
False	A167_1	numeric	False	False	0	13	0		
False	A168_1	numeric	False	False	0	13	0		
False	A169_1	numeric	False	False	0	13	0		
False	A170_1	numeric	False	False	0	13	0		
False	A4214_1	numeric	False	False	0	13	0		
False	A4215_1	numeric	False	False	0	13	0		
False	A4216_1	numeric	False	False	0	13	0		
False	A4217_1	numeric	False	False	0	13	0		
False	A4218_1	numeric	False	False	0	13	0		
False	A4218_2	numeric	False	False	0	13	0		

Constraints

Name	Type	Columns	Initial Code	Notes
E5E41_PK	Public	OID ID		
E5E41_IDX	Public	OID		

E5E42

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	OID	numeric	True	True	0	13	0		
True	ID	numeric	True	True	0	13	0		
False	A4220	varchar	False	False	2000	0	0		
False	A4221	datetime	False	False	0	23	3		
False	A4222	image	False	False	0	0	0		
False	A4222_P	image	False	False	0	0	0		

Constraints

Name	Type	Columns	Initial Code	Notes
E5E42_PK	Public	OID ID		
E5E42_IDX	Public	OID		

E5E43

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	OID	numeric	True	True	0	13	0		
True	ID	numeric	True	True	0	13	0		
False	A4225	datetime	False	False	0	23	3		
False	A4226	varchar	False	False	2000	0	0		
False	A4227	image	False	False	0	0	0		
False	A4228	varchar	False	False	2000	0	0		
False	A4227_P	image	False	False	0	0	0		

Constraints

Name	Type	Columns	Initial Code	Notes
E5E43_PK	Public	OID ID		
E5E43_IDX	Public	OID		

E5E44

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	OID	numeric	True	True	0	13	0		
True	ID	numeric	True	True	0	13	0		
False	A4231	numeric	False	False	0	13	0		
False	A4232	numeric	False	False	0	18	5		
False	A4231_1	numeric	False	False	0	13	0		
False	A4231_2	numeric	False	False	0	13	0		

Constraints

Name	Type	Columns	Initial Code	Notes
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Name	Type	Columns	Initial Code	Notes
E5E44_PK	Public	OID ID		
E5E44_IDX	Public	OID		

E5E45

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	OID	numeric	True	True	0	13	0		
True	ID	numeric	True	True	0	13	0		
False	A4234	datetime	False	False	0	23	3		
False	A4235	numeric	False	False	0	13	0		
False	A4236	numeric	False	False	0	13	0		
False	A4237	numeric	False	False	0	13	0		
False	A4238	numeric	False	False	0	13	0		
False	A4239	numeric	False	False	0	13	0		
False	A4240	numeric	False	False	0	13	0		
False	A4235_1	numeric	False	False	0	13	0		
False	A4236_1	numeric	False	False	0	13	0		
False	A4237_1	numeric	False	False	0	13	0		
False	A4238_1	numeric	False	False	0	13	0		
False	A4239_1	numeric	False	False	0	13	0		
False	A4240_1	numeric	False	False	0	13	0		

Constraints

Name	Type	Columns	Initial Code	Notes
E5E45_PK	Public	OID ID		
E5E45_IDX	Public	OID		

E5E46

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	OID	numeric	True	True	0	13	0		
True	ID	numeric	True	True	0	13	0		
False	A4241	varchar	False	False	2000	0	0		
False	A4242	numeric	False	False	0	13	0		
False	A4243	image	False	False	0	0	0		
False	A4242_1	numeric	False	False	0	13	0		
False	A4242_2	numeric	False	False	0	13	0		
False	A4242_3	numeric	False	False	0	13	0		
False	A4243_P	image	False	False	0	0	0		

Constraints

Name	Type	Columns	Initial Code	Notes
E5E46_PK	Public	OID ID		
E5E46_IDX	Public	OID		

E5E47

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	OID	numeric	True	True	0	13	0		
True	ID	numeric	True	True	0	13	0		
False	A4249	datetime	False	False	0	23	3		
False	A4250	numeric	False	False	0	13	0		
False	A4250_1	numeric	False	False	0	13	0		

Constraints

Name	Type	Columns	Initial Code	Notes
E5E47_PK	Public	OID ID		
E5E47_IDX	Public	OID		

E5E48

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	OID	numeric	True	True	0	13	0		
True	ID	numeric	True	True	0	13	0		
False	A4252	datetime	False	False	0	23	3		

Constraints

Name	Type	Columns	Initial Code	Notes
E5E48_PK	Public	OID ID		
E5E48_IDX	Public	OID		

E5E49

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	OID	numeric	True	True	0	13	0		
True	ID	numeric	True	True	0	13	0		
False	A4254	datetime	False	False	0	23	3		
False	A4255	varchar	False	False	200 0	0	0		
False	A4256	image	False	False	0	0	0		
False	A4256_P	image	False	False	0	0	0		

Constraints

Name	Type	Columns	Initial Code	Notes
E5E49_PK	Public	OID ID		
E5E49_IDX	Public	OID		

E5E5

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	OID	numeric	True	True	0	13	0		
True	ID	numeric	True	True	0	13	0		
False	A45	numeric	False	False	0	13	0		
False	A46	numeric	False	False	0	18	5		
False	A47	numeric	False	False	0	18	5		
False	A530	varchar	False	False	2000	0	0		
False	A45_1	numeric	False	False	0	13	0		
False	A45_2	numeric	False	False	0	13	0		

Constraints

Name	Type	Columns	Initial Code	Notes
E5E5_PK	Public	OID ID		
E5E5_IDX	Public	OID		

E5E6

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	OID	numeric	True	True	0	13	0		
True	ID	numeric	True	True	0	13	0		
False	A48	numeric	False	False	0	18	5		
False	A49	numeric	False	False	0	18	5		
False	A50	image	False	False	0	0	0		
False	A51	numeric	False	False	0	13	0		
False	A51_1	numeric	False	False	0	13	0		
False	A50_P	image	False	False	0	0	0		

Constraints

Name	Type	Columns	Initial Code	Notes
E5E6_PK	Public	OID ID		
E5E6_IDX	Public	OID		

E5E7

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	OID	numeric	True	True	0	13	0		
True	ID	numeric	True	True	0	13	0		
False	A53	numeric	False	False	0	13	0		
False	A54	numeric	False	False	0	18	5		
False	A55	numeric	False	False	0	18	5		
False	A53_T	varchar	False	False	255	0	0		
False	A53_1	numeric	False	False	0	13	0		
False	A53_2	numeric	False	False	0	13	0		

Constraints

Name	Type	Columns	Initial Code	Notes
E5E7_PK	Public	OID ID		
E5E7_IDX	Public	OID		

E5E8

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	OID	numeric	True	True	0	13	0		
True	ID	numeric	True	True	0	13	0		
False	A58	numeric	False	False	0	13	0		
False	A59	numeric	False	False	0	13	0		
False	A60	numeric	False	False	0	13	0		
False	A61	numeric	False	False	0	18	5		
False	A59_T	varchar	False	False	255	0	0		
False	A58_1	numeric	False	False	0	13	0		
False	A59_1	numeric	False	False	0	13	0		
False	A59_2	numeric	False	False	0	13	0		
False	A59_3	numeric	False	False	0	13	0		
False	A60_1	numeric	False	False	0	13	0		

Constraints

Name	Type	Columns	Initial Code	Notes
E5E8_PK	Public	OID ID		
E5E8_IDX	Public	OID		

E5E9

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	OID	numeric	True	True	0	13	0		
True	ID	numeric	True	True	0	13	0		
False	A62	varchar	False	False	2000	0	0		
False	A63	numeric	False	False	0	13	0		
False	A64	numeric	False	False	0	18	5		
False	A65	numeric	False	False	0	18	5		
False	A66	numeric	False	False	0	18	5		
False	A67	numeric	False	False	0	13	0		
False	A68	varchar	False	False	2000	0	0		
False	A63_T	varchar	False	False	255	0	0		
False	A63_1	numeric	False	False	0	13	0		
False	A63_2	numeric	False	False	0	13	0		
False	A67_1	numeric	False	False	0	13	0		

Constraints

Name	Type	Columns	Initial Code	Notes
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Name	Type	Columns	Initial Code	Notes
E5E9_PK	Public	OID ID		
E5E9_IDX	Public	OID		

E5EL12_13

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	OID	numeric	True	True	0	13	0		
True	PID	numeric	True	True	0	13	0		
True	CID	numeric	True	True	0	13	0		
True	SEQ	numeric	True	True	0	13	0		

Constraints

Name	Type	Columns	Initial Code	Notes
E5EL12_13_PK	Public	OID PID CID SEQ		

E5EL17_18

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	OID	numeric	True	True	0	13	0		
True	PID	numeric	True	True	0	13	0		
True	CID	numeric	True	True	0	13	0		
True	SEQ	numeric	True	True	0	13	0		

Constraints

Name	Type	Columns	Initial Code	Notes
E5EL17_18_PK	Public	OID PID CID SEQ		

E5EL19_18

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	OID	numeric	True	True	0	13	0		
True	PID	numeric	True	True	0	13	0		
True	CID	numeric	True	True	0	13	0		
True	SEQ	numeric	True	True	0	13	0		

Constraints

Name	Type	Columns	Initial Code	Notes
E5EL19_18_PK	Public	OID PID		

Name	Type	Columns	Initial Code	Notes
		CID SEQ		

E5EL20_17

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	OID	numeric	True	True	0	13	0		
True	PID	numeric	True	True	0	13	0		
True	CID	numeric	True	True	0	13	0		
True	SEQ	numeric	True	True	0	13	0		

Constraints

Name	Type	Columns	Initial Code	Notes
E5EL20_17_PK	Public	OID PID CID SEQ		

E5EL20_19

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	OID	numeric	True	True	0	13	0		
True	PID	numeric	True	True	0	13	0		
True	CID	numeric	True	True	0	13	0		
True	SEQ	numeric	True	True	0	13	0		

Constraints

Name	Type	Columns	Initial Code	Notes
E5EL20_19_PK	Public	OID PID CID SEQ		

E5EL20_20

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	OID	numeric	True	True	0	13	0		
True	PID	numeric	True	True	0	13	0		
True	CID	numeric	True	True	0	13	0		
True	SEQ	numeric	True	True	0	13	0		

Constraints

Name	Type	Columns	Initial Code	Notes
E5EL20_20_PK	Public	OID PID		

Name	Type	Columns	Initial Code	Notes
		CID SEQ		

E5EL20_24

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	OID	numeric	True	True	0	13	0		
True	PID	numeric	True	True	0	13	0		
True	CID	numeric	True	True	0	13	0		
True	SEQ	numeric	True	True	0	13	0		

Constraints

Name	Type	Columns	Initial Code	Notes
E5EL20_24_PK	Public	OID PID CID SEQ		

E5EL20_25

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	OID	numeric	True	True	0	13	0		
True	PID	numeric	True	True	0	13	0		
True	CID	numeric	True	True	0	13	0		
True	SEQ	numeric	True	True	0	13	0		

Constraints

Name	Type	Columns	Initial Code	Notes
E5EL20_25_PK	Public	OID PID CID SEQ		

E5EL20_29

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	OID	numeric	True	True	0	13	0		
True	PID	numeric	True	True	0	13	0		
True	CID	numeric	True	True	0	13	0		
True	SEQ	numeric	True	True	0	13	0		

Constraints

Name	Type	Columns	Initial Code	Notes
E5EL20_29_PK	Public	OID PID CID		

Name	Type	Columns	Initial Code	Notes
		SEQ		

E5EL20_33

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	OID	numeric	True	True	0	13	0		
True	PID	numeric	True	True	0	13	0		
True	CID	numeric	True	True	0	13	0		
True	SEQ	numeric	True	True	0	13	0		

Constraints

Name	Type	Columns	Initial Code	Notes
E5EL20_33_PK	Public	OID PID CID SEQ		

E5EL20_46

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	OID	numeric	True	True	0	13	0		
True	PID	numeric	True	True	0	13	0		
True	CID	numeric	True	True	0	13	0		
True	SEQ	numeric	True	True	0	13	0		

Constraints

Name	Type	Columns	Initial Code	Notes
E5EL20_46_PK	Public	OID PID CID SE		

E5EL24_18

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	OID	numeric	True	True	0	13	0		
True	PID	numeric	True	True	0	13	0		
True	CID	numeric	True	True	0	13	0		
True	SEQ	numeric	True	True	0	13	0		

Constraints

Name	Type	Columns	Initial Code	Notes
E5EL24_18_PK	Public	OID PID CID SEQ		

E5EL25_18

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	OID	numeric	True	True	0	13	0		
True	PID	numeric	True	True	0	13	0		
True	CID	numeric	True	True	0	13	0		
True	SEQ	numeric	True	True	0	13	0		

Constraints

Name	Type	Columns	Initial Code	Notes
E5EL25_18_PK	Public	OID PID CID SEQ		

E5EL28_1

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	OID	numeric	True	True	0	13	0		
True	PID	numeric	True	True	0	13	0		
True	CID	numeric	True	True	0	13	0		
True	SEQ	numeric	True	True	0	13	0		

Constraints

Name	Type	Columns	Initial Code	Notes
E5EL28_1_PK	Public	OID PID CID SEQ		

E5EL28_20

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	OID	numeric	True	True	0	13	0		
True	PID	numeric	True	True	0	13	0		
True	CID	numeric	True	True	0	13	0		
True	SEQ	numeric	True	True	0	13	0		

Constraints

Name	Type	Columns	Initial Code	Notes
E5EL28_20_PK	Public	OID PID CID SEQ		

E5EL28_27

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	OID	numeric	True	True	0	13	0		
True	PID	numeric	True	True	0	13	0		
True	CID	numeric	True	True	0	13	0		
True	SEQ	numeric	True	True	0	13	0		

Constraints

Name	Type	Columns	Initial Code	Notes
E5EL28_27_PK	Public	OID PID CID SEQ		

E5EL28_3

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	OID	numeric	True	True	0	13	0		
True	PID	numeric	True	True	0	13	0		
True	CID	numeric	True	True	0	13	0		
True	SEQ	numeric	True	True	0	13	0		

Constraints

Name	Type	Columns	Initial Code	Notes
E5EL28_3_PK	Public	OID PID CID SEQ		

E5EL28_33

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	OID	numeric	True	True	0	13	0		
True	PID	numeric	True	True	0	13	0		
True	CID	numeric	True	True	0	13	0		
True	SEQ	numeric	True	True	0	13	0		

Constraints

Name	Type	Columns	Initial Code	Notes
E5EL28_33_PK	Public	OID PID CID SEQ		

E5EL28_36

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
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True	OID	numeric	True	True	0	13	0		
True	PID	numeric	True	True	0	13	0		
True	CID	numeric	True	True	0	13	0		
True	SEQ	numeric	True	True	0	13	0		

Constraints

Name	Type	Columns	Initial Code	Notes
E5EL28_36_PK	Public	OID PID CID SEQ		

E5EL28_37

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	OID	numeric	True	True	0	13	0		
True	PID	numeric	True	True	0	13	0		
True	CID	numeric	True	True	0	13	0		
True	SEQ	numeric	True	True	0	13	0		

Constraints

Name	Type	Columns	Initial Code	Notes
E5EL28_37_PK	Public	OID PID CID SEQ		

E5EL28_39

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	OID	numeric	True	True	0	13	0		
True	PID	numeric	True	True	0	13	0		
True	CID	numeric	True	True	0	13	0		
True	SEQ	numeric	True	True	0	13	0		

Constraints

Name	Type	Columns	Initial Code	Notes
E5EL28_39_PK	Public	OID PID CID SEQ		

E5EL28_40

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	OID	numeric	True	True	0	13	0		
True	PID	numeric	True	True	0	13	0		

True	CID	numeric	True	True	0	13	0		
True	SEQ	numeric	True	True	0	13	0		

Constraints

Name	Type	Columns	Initial Code	Notes
E5EL28_40_PK	Public	OID PID CID SEQ		

E5EL28_42

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	OID	numeric	True	True	0	13	0		
True	PID	numeric	True	True	0	13	0		
True	CID	numeric	True	True	0	13	0		
True	SEQ	numeric	True	True	0	13	0		

Constraints

Name	Type	Columns	Initial Code	Notes
E5EL28_42_PK	Public	OID PID CID SEQ		

E5EL28_43

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	OID	numeric	True	True	0	13	0		
True	PID	numeric	True	True	0	13	0		
True	CID	numeric	True	True	0	13	0		
True	SEQ	numeric	True	True	0	13	0		

Constraints

Name	Type	Columns	Initial Code	Notes
E5EL28_43_PK	Public	OID PID CID SEQ		

E5EL28_45

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	OID	numeric	True	True	0	13	0		
True	PID	numeric	True	True	0	13	0		
True	CID	numeric	True	True	0	13	0		
True	SEQ	numeric	True	True	0	13	0		

Constraints

Name	Type	Columns	Initial Code	Notes
E5EL28_45_PK	Public	OID PID CID SEQ		

E5EL28_47

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	OID	numeric	True	True	0	13	0		
True	PID	numeric	True	True	0	13	0		
True	CID	numeric	True	True	0	13	0		
True	SEQ	numeric	True	True	0	13	0		

Constraints

Name	Type	Columns	Initial Code	Notes
E5EL28_47_PK	Public	OID PID CID SEQ		

E5EL28_48

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	OID	numeric	True	True	0	13	0		
True	PID	numeric	True	True	0	13	0		
True	CID	numeric	True	True	0	13	0		
True	SEQ	numeric	True	True	0	13	0		

Constraints

Name	Type	Columns	Initial Code	Notes
E5EL28_48_PK	Public	OID PID CID SEQ		

E5EL28_49

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	OID	numeric	True	True	0	13	0		
True	PID	numeric	True	True	0	13	0		
True	CID	numeric	True	True	0	13	0		
True	SEQ	numeric	True	True	0	13	0		

Constraints

Name	Type	Columns	Initial Code	Notes
E5EL28_49_PK	Public	OID PID CID SEQ		

E5EL29_18

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	OID	numeric	True	True	0	13	0		
True	PID	numeric	True	True	0	13	0		
True	CID	numeric	True	True	0	13	0		
True	SEQ	numeric	True	True	0	13	0		

Constraints

Name	Type	Columns	Initial Code	Notes
E5EL29_18_PK	Public	OID PID CID SEQ		

E5EL33_10

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	OID	numeric	True	True	0	13	0		
True	PID	numeric	True	True	0	13	0		
True	CID	numeric	True	True	0	13	0		
True	SEQ	numeric	True	True	0	13	0		

Constraints

Name	Type	Columns	Initial Code	Notes
E5EL33_10_PK	Public	OID PID CID SEQ		

E5EL33_11

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	OID	numeric	True	True	0	13	0		
True	PID	numeric	True	True	0	13	0		
True	CID	numeric	True	True	0	13	0		
True	SEQ	numeric	True	True	0	13	0		

Constraints

Name	Type	Columns	Initial Code	Notes
E5EL33_11_PK	Public	OID		

Name	Type	Columns	Initial Code	Notes
		PID CID SEQ		

E5EL33_12

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	OID	numeric	True	True	0	13	0		
True	PID	numeric	True	True	0	13	0		
True	CID	numeric	True	True	0	13	0		
True	SEQ	numeric	True	True	0	13	0		

Constraints

Name	Type	Columns	Initial Code	Notes
E5EL33_12_PK	Public	OID PID CID SEQ		

E5EL33_14

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	OID	numeric	True	True	0	13	0		
True	PID	numeric	True	True	0	13	0		
True	CID	numeric	True	True	0	13	0		
True	SEQ	numeric	True	True	0	13	0		

Constraints

Name	Type	Columns	Initial Code	Notes
E5EL33_14_PK	Public	OID PID CID SEQ		

E5EL33_15

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	OID	numeric	True	True	0	13	0		
True	PID	numeric	True	True	0	13	0		
True	CID	numeric	True	True	0	13	0		
True	SEQ	numeric	True	True	0	13	0		

Constraints

Name	Type	Columns	Initial Code	Notes
E5EL33_15_PK	Public	OID PID		

Name	Type	Columns	Initial Code	Notes
		CID SEQ		

E5EL33_20

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	OID	numeric	True	True	0	13	0		
True	PID	numeric	True	True	0	13	0		
True	CID	numeric	True	True	0	13	0		
True	SEQ	numeric	True	True	0	13	0		

Constraints

Name	Type	Columns	Initial Code	Notes
E5EL33_20_PK	Public	OID PID CID SEQ		

E5EL33_30

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	OID	numeric	True	True	0	13	0		
True	PID	numeric	True	True	0	13	0		
True	CID	numeric	True	True	0	13	0		
True	SEQ	numeric	True	True	0	13	0		

Constraints

Name	Type	Columns	Initial Code	Notes
E5EL33_30_PK	Public	OID PID CID SEQ		

E5EL33_38

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	OID	numeric	True	True	0	13	0		
True	PID	numeric	True	True	0	13	0		
True	CID	numeric	True	True	0	13	0		
True	SEQ	numeric	True	True	0	13	0		

Constraints

Name	Type	Columns	Initial Code	Notes
E5EL33_38_PK	Public	OID PID CID		

Name	Type	Columns	Initial Code	Notes
		SEQ		

E5EL33_4

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	OID	numeric	True	True	0	13	0		
True	PID	numeric	True	True	0	13	0		
True	CID	numeric	True	True	0	13	0		
True	SEQ	numeric	True	True	0	13	0		

Constraints

Name	Type	Columns	Initial Code	Notes
E5EL33_4_PK	Public	OID PID CID SEQ		

E5EL33_41

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	OID	numeric	True	True	0	13	0		
True	PID	numeric	True	True	0	13	0		
True	CID	numeric	True	True	0	13	0		
True	SEQ	numeric	True	True	0	13	0		

Constraints

Name	Type	Columns	Initial Code	Notes
E5EL33_41_PK	Public	OID PID CID SEQ		

E5EL33_44

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	OID	numeric	True	True	0	13	0		
True	PID	numeric	True	True	0	13	0		
True	CID	numeric	True	True	0	13	0		
True	SEQ	numeric	True	True	0	13	0		

Constraints

Name	Type	Columns	Initial Code	Notes
E5EL33_44_PK	Public	OID PID CID SEQ		

E5EL33_5

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	OID	numeric	True	True	0	13	0		
True	PID	numeric	True	True	0	13	0		
True	CID	numeric	True	True	0	13	0		
True	SEQ	numeric	True	True	0	13	0		

Constraints

Name	Type	Columns	Initial Code	Notes
E5EL33_5_PK	Public	OID PID CID SEQ		

E5EL33_6

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	OID	numeric	True	True	0	13	0		
True	PID	numeric	True	True	0	13	0		
True	CID	numeric	True	True	0	13	0		
True	SEQ	numeric	True	True	0	13	0		

Constraints

Name	Type	Columns	Initial Code	Notes
E5EL33_6_PK	Public	OID PID CID SEQ		

E5EL33_7

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	OID	numeric	True	True	0	13	0		
True	PID	numeric	True	True	0	13	0		
True	CID	numeric	True	True	0	13	0		
True	SEQ	numeric	True	True	0	13	0		

Constraints

Name	Type	Columns	Initial Code	Notes
E5EL33_7_PK	Public	OID PID CID SEQ		

E5EL33_8

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	OID	numeric	True	True	0	13	0		
True	PID	numeric	True	True	0	13	0		
True	CID	numeric	True	True	0	13	0		
True	SEQ	numeric	True	True	0	13	0		

Constraints

Name	Type	Columns	Initial Code	Notes
E5EL33_8_PK	Public	OID PID CID SEQ		

E5EL33_9

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	OID	numeric	True	True	0	13	0		
True	PID	numeric	True	True	0	13	0		
True	CID	numeric	True	True	0	13	0		
True	SEQ	numeric	True	True	0	13	0		

Constraints

Name	Type	Columns	Initial Code	Notes
E5EL33_9_PK	Public	OID PID CID SEQ		

E5EL3_33

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	OID	numeric	True	True	0	13	0		
True	PID	numeric	True	True	0	13	0		
True	CID	numeric	True	True	0	13	0		
True	SEQ	numeric	True	True	0	13	0		

Constraints

Name	Type	Columns	Initial Code	Notes
E5EL3_33_PK	Public	OID PID CID SEQ		

E5EL46_18

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	OID	numeric	True	True	0	13	0		
True	PID	numeric	True	True	0	13	0		
True	CID	numeric	True	True	0	13	0		
True	SEQ	numeric	True	True	0	13	0		

Constraints

Name	Type	Columns	Initial Code	Notes
E5EL46_18_PK	Public	OID PID CID SEQ		

E5EMAILS

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	EMAIL_ID	varchar	True	True	50	0	0		
False	ECCAIRS_USER	varchar	False	False	1000	0	0		
False	CREATION_DATE	datetime	False	False	0	23	3		
False	LAST_OPERATOR_DATE	datetime	False	False	0	23	3		
False	MAILSTATUS	numeric	False	False	0	13	0		
False	TCPIP_ADDRESS	varchar	False	False	50	0	0		
False	CLIENT_MACHINE	varchar	False	False	50	0	0		
False	RETRIES_NUMBER	numeric	False	False	0	13	0		
False	SENDER	varchar	False	False	2000	0	0		
False	RECIPIENT	varchar	False	False	2000	0	0		
False	RECIPIENT_CC	varchar	False	False	2000	0	0		
False	RECIPIENT_BCC	varchar	False	False	2000	0	0		
False	REPLYTO	varchar	False	False	2000	0	0		
False	MAILSUBJECT	varchar	False	False	2000	0	0		
False	MAILBODY	image	False	False	0	0	0		
False	MAILCREDENTIALS	varchar	False	False	2000	0	0		
False	REQUESTRECEIPT	numeric	False	False	0	13	0		
False	MAILPRIORITY	numeric	False	False	0	13	0		
False	ORGANISATION	varchar	False	False	1000	0	0		

Constraints

Name	Type	Columns	Initial Code	Notes
E5EMAILS_PK	Public	EMAIL_ID		

E5EMAIL_ATTACHMENTS

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	EMAIL_ID	varchar	True	True	50	0	0		
True	ATTACHMENT_ID	varchar	True	True	50	0	0		
False	FILENAME	varchar	False	False	260	0	0		
False	FILEBODY	image	False	False	0	0	0		
False	FILESIZE	numeric	False	False	0	13	0		
False	NAME	varchar	False	False	50	0	0		

Constraints

Name	Type	Columns	Initial Code	Notes
E5EMAIL_ATTACHMENT_S_PK	Public	EMAIL_ID ATTACHMENT_ID		

E5EMAIL_LOGS

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	LOG_ID	varchar	True	True	50	0	0		
False	EMAIL_ID	varchar	True	False	50	0	0		
False	LOG_DATE_CREATION	datetime	True	False	0	23	3		
False	LOG_TYPE	numeric	False	False	0	13	0		
False	LOG_MESSAGE	varchar	False	False	2000	0	0		

Constraints

Name	Type	Columns	Initial Code	Notes
E5EMAIL_LOGS_PK	Public	LOG_ID		

E5MAIN

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	OID	numeric	True	True	0	13	0		
False	OCCKEY	varchar	True	True	40	0	0		
False	USER_ID	varchar	False	False	200 0	0	0		
False	EDFDATE	datetime	False	False	0	23	3		
False	DOINDEX	varchar	False	False	1	0	0		
False	EDFLOCK	varchar	False	False	1	0	0		
False	LASTDBOP	datetime	False	False	0	23	3		
False	EDF	image	False	False	0	0	0		
False	A361	varchar	True	True	255	0	0		
False	A355	numeric	True	True	0	13	0		
False	A355_1	numeric	False	False	0	13	0		

Constraints

Name	Type	Columns	Initial Code	Notes
E5MAIN_PK	Public	OID		
E5E5MAIN_KEY_OK	Public	OCCKEY		
E5E5MAIN_SR_SFN_IK	Public	A361 A355		
DOINDEX_IDX	Public	DOINDEX		

E5MAINBACKUP

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
False	OID	numeric	True	False	0	13	0		
False	EDF	image	False	False	0	0	0		
False	USER_ID	varchar	False	False	2000	0	0		
False	OPERATIONDATE	datetime	False	False	0	23	3		
False	OCCKEY	varchar	True	False	40	0	0		
True	OIDBACKUP	numeric	True	True	0	13	0		
False	A361	varchar	True	False	2000	0	0		
False	A355	numeric	True	False	0	13	0		
False	A355_1	numeric	False	False	0	13	0		
False	OPERATIONTYPE	numeric	False	False	0	13	0		
False	ISAFTER	varchar	False	False	1	0	0		
False	REPOSITORY	varchar	False	False	200	0	0		
False	ISANALIZED	varchar	False	False	1	0	0		

Constraints

Name	Type	Columns	Initial Code	Notes
E5MAINBACKUP_PK	Public	OIDBACKUP		

E5O4201

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	OID	numeric	True	True	0	13	0		
True	PID	numeric	True	True	0	13	0		
True	ID	numeric	True	True	0	13	0		
False	FILEEXTENSION	varchar	False	False	50	0	0		
False	FILENAME	varchar	False	False	100	0	0		
False	FILESIZE	numeric	False	False	0	13	0		
False	MIMETYPE	varchar	False	False	50	0	0		
False	DESCRIPTION	varchar	False	False	255	0	0		
False	DATELASTMODIFICATION	datetime	False	False	0	23	3		
False	BLOBKEY	varchar	False	False	50	0	0		

Constraints

Name	Type	Columns	Initial Code	Notes
E5EB4201_PK	Public	OID		

Name	Type	Columns	Initial Code	Notes
		PID ID		

E5O4233

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	OID	numeric	True	True	0	13	0		
True	PID	numeric	True	True	0	13	0		
True	ID	numeric	True	True	0	13	0		
False	FILEEXTENSION	varchar	False	False	50	0	0		
False	FILENAME	varchar	False	False	100	0	0		
False	FILESIZE	numeric	False	False	0	13	0		
False	MIMETYPE	varchar	False	False	50	0	0		
False	DESCRIPTION	varchar	False	False	255	0	0		
False	DATELASTMODIFICATION	datetime	False	False	0	23	3		
False	BLOBKEY	varchar	False	False	50	0	0		

Constraints

Name	Type	Columns	Initial Code	Notes
E5EB4233_PK	Public	OID PID ID		

E5O4251

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	OID	numeric	True	True	0	13	0		
True	PID	numeric	True	True	0	13	0		
True	ID	numeric	True	True	0	13	0		
False	FILEEXTENSION	varchar	False	False	50	0	0		
False	FILENAME	varchar	False	False	100	0	0		
False	FILESIZE	numeric	False	False	0	13	0		
False	MIMETYPE	varchar	False	False	50	0	0		
False	DESCRIPTION	varchar	False	False	255	0	0		
False	DATELASTMODIFICATION	datetime	False	False	0	23	3		
False	BLOBKEY	varchar	False	False	50	0	0		

Constraints

Name	Type	Columns	Initial Code	Notes
E5EB4251_PK	Public	OID PID ID		

E5O4260

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	OID	numeric	True	True	0	13	0		
True	PID	numeric	True	True	0	13	0		
True	ID	numeric	True	True	0	13	0		
False	FILEEXTENSION	varchar	False	False	50	0	0		
False	FILENAME	varchar	False	False	100	0	0		
False	FILESIZE	numeric	False	False	0	13	0		
False	MIMETYPE	varchar	False	False	50	0	0		
False	DESCRIPTION	varchar	False	False	255	0	0		
False	DATELASTMODIFICATION	datetime	False	False	0	23	3		
False	BLOBKEY	varchar	False	False	50	0	0		

Constraints

Name	Type	Columns	Initial Code	Notes
E5EB4260_PK	Public	OID PID ID		

E5OB4204

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	OID	numeric	True	True	0	13	0		
True	PID	numeric	True	True	0	13	0		
True	ID	numeric	True	True	0	13	0		
False	OCCDATA LASTMOD	datetime	False	False	0	23	3		
False	BLOBDATA	image	False	False	0	0	0		
False	OCCSR	numeric	False	False	0	13	0		
False	OCCSFNR	varchar	False	False	255	0	0		
False	BLOBKEY	varchar	False	False	2000	0	0		
False	REPOSITORYNAME	varchar	False	False	255	0	0		
False	TAXONOMYKEY	varchar	False	False	255	0	0		
False	ISLINKED	varchar	False	False	1	0	0		
False	ORGANIZATIONID	varchar	False	False	255	0	0		
False	OCCDATA LASTINSERT	datetime	False	False	0	23	3		
False	DESCRIPTION	varchar	False	False	255	0	0		

Constraints

Name	Type	Columns	Initial Code	Notes
E5EOB4204_PK	Public	OID PID ID		

E5OB533

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	OID	numeric	True	True	0	13	0		
True	PID	numeric	True	True	0	13	0		
True	ID	numeric	True	True	0	13	0		
False	OCCDATA LASTMOD	datetime	False	False	0	23	3		
False	BLOBDATA	image	False	False	0	0	0		
False	OCCSR	numeric	False	False	0	13	0		
False	OCCSFNR	varchar	False	False	255	0	0		
False	BLOBKEY	varchar	False	False	2000	0	0		
False	REPOSITORYNAME	varchar	False	False	255	0	0		
False	TAXONOMYKEY	varchar	False	False	255	0	0		
False	ISLINKED	varchar	False	False	1	0	0		
False	ORGANIZATIONID	varchar	False	False	255	0	0		
False	OCCDATA LASTINSERT	datetime	False	False	0	23	3		
False	DESCRIPTION	varchar	False	False	255	0	0		

Constraints

Name	Type	Columns	Initial Code	Notes
E5EOB533_PK	Public	OID PID ID		

E5OCCBACKUPID

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	OID	numeric	True	True	0	13	0		

Constraints

Name	Type	Columns	Initial Code	Notes
E5OCCBACKUPID_PK	Public	OID		

E5OCCID

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	OID	numeric	True	True	0	13	0		

Constraints

Name	Type	Columns	Initial Code	Notes
E5OCCID_PK	Public	OID		

E5OPID

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	OPID	numeric	True	True	0	13	0		

Constraints

Name	Type	Columns	Initial Code	Notes
E5OPID_PK	Public	OPID		

E5PROPERTIES

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	PROPERTYNAME	varchar	True	True	255	0	0		
True	PROPERTYVALUE	varchar	True	True	255	0	0		

Constraints

Name	Type	Columns	Initial Code	Notes
E5PPROPERTIES_PK	Public	PROPERTYNAME PROPERTYVALUE		

E5RESULTS

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	OPID	numeric	True	True	0	13	0		
False	QUERY	image	False	False	0	0	0		
False	MAININFO	numeric	False	False	0	13	0		

Constraints

Name	Type	Columns	Initial Code	Notes
E5RESULTS_PK	Public	OPID		

E5W1195

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	OID	numeric	True	True	0	13	0		
True	PID	numeric	True	True	0	13	0		
True	WID	numeric	True	True	0	13	0		
True	ID	numeric	True	True	0	13	0		

Constraints

Name	Type	Columns	Initial Code	Notes
E5W1195_PK	Public	OID PID WID ID		

E5W131

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	OID	numeric	True	True	0	13	0		
True	PID	numeric	True	True	0	13	0		

True	WID	numeric	True	True	0	13	0		
True	ID	numeric	True	True	0	13	0		

Constraints

Name	Type	Columns	Initial Code	Notes
E5W131_PK	Public	OID PID WID ID		

E5W148

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	OID	numeric	True	True	0	13	0		
True	PID	numeric	True	True	0	13	0		
True	WID	numeric	True	True	0	13	0		
True	ID	numeric	True	True	0	13	0		

Constraints

Name	Type	Columns	Initial Code	Notes
E5W148_PK	Public	OID PID WID ID		

E5W194

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	OID	numeric	True	True	0	13	0		
True	PID	numeric	True	True	0	13	0		
True	WID	numeric	True	True	0	13	0		
True	ID	numeric	True	True	0	13	0		

Constraints

Name	Type	Columns	Initial Code	Notes
E5W194_PK	Public	OID PID WID ID		

E5W195

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	OID	numeric	True	True	0	13	0		
True	PID	numeric	True	True	0	13	0		
True	WID	numeric	True	True	0	13	0		
True	ID	numeric	True	True	0	13	0		

Constraints

Name	Type	Columns	Initial Code	Notes
E5W195_PK	Public	OID PID WID ID		

E5W2195

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	OID	numeric	True	True	0	13	0		
True	PID	numeric	True	True	0	13	0		
True	WID	numeric	True	True	0	13	0		
True	ID	numeric	True	True	0	13	0		

Constraints

Name	Type	Columns	Initial Code	Notes
E5W2195_PK	Public	OID PID WID ID		

E5W225

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	OID	numeric	True	True	0	13	0		
True	PID	numeric	True	True	0	13	0		
True	WID	numeric	True	True	0	13	0		
True	ID	numeric	True	True	0	13	0		

Constraints

Name	Type	Columns	Initial Code	Notes
E5W225_PK	Public	OID PID WID ID		

E5W227

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	OID	numeric	True	True	0	13	0		
True	PID	numeric	True	True	0	13	0		
True	WID	numeric	True	True	0	13	0		
True	ID	numeric	True	True	0	13	0		

Constraints

Name	Type	Columns	Initial Code	Notes
E5W227_PK	Public	OID PID WID ID		

E5W228

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	OID	numeric	True	True	0	13	0		
True	PID	numeric	True	True	0	13	0		
True	WID	numeric	True	True	0	13	0		
True	ID	numeric	True	True	0	13	0		

Constraints

Name	Type	Columns	Initial Code	Notes
E5W228_PK	Public	OID PID WID ID		

E5W235

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	OID	numeric	True	True	0	13	0		
True	PID	numeric	True	True	0	13	0		
True	WID	numeric	True	True	0	13	0		
True	ID	numeric	True	True	0	13	0		

Constraints

Name	Type	Columns	Initial Code	Notes
E5W235_PK	Public	OID PID WID ID		

E5W238

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	OID	numeric	True	True	0	13	0		
True	PID	numeric	True	True	0	13	0		
True	WID	numeric	True	True	0	13	0		
True	ID	numeric	True	True	0	13	0		

Constraints

Name	Type	Columns	Initial Code	Notes
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Name	Type	Columns	Initial Code	Notes
E5W238_PK	Public	OID PID WID ID		

E5W3195

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	OID	numeric	True	True	0	13	0		
True	PID	numeric	True	True	0	13	0		
True	WID	numeric	True	True	0	13	0		
True	ID	numeric	True	True	0	13	0		

Constraints

Name	Type	Columns	Initial Code	Notes
E5W3195_PK	Public	OID PID WID ID		

E5W332

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	OID	numeric	True	True	0	13	0		
True	PID	numeric	True	True	0	13	0		
True	WID	numeric	True	True	0	13	0		
True	ID	numeric	True	True	0	13	0		

Constraints

Name	Type	Columns	Initial Code	Notes
E5W332_PK	Public	OID PID WID ID		

E5W333

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	OID	numeric	True	True	0	13	0		
True	PID	numeric	True	True	0	13	0		
True	WID	numeric	True	True	0	13	0		
True	ID	numeric	True	True	0	13	0		

Constraints

Name	Type	Columns	Initial Code	Notes
E5W333_PK	Public	OID PID WID ID		

E5W336

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	OID	numeric	True	True	0	13	0		
True	PID	numeric	True	True	0	13	0		
True	WID	numeric	True	True	0	13	0		
True	ID	numeric	True	True	0	13	0		

Constraints

Name	Type	Columns	Initial Code	Notes
E5W336_PK	Public	OID PID WID ID		

E5W337

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	OID	numeric	True	True	0	13	0		
True	PID	numeric	True	True	0	13	0		
True	WID	numeric	True	True	0	13	0		
True	ID	numeric	True	True	0	13	0		

Constraints

Name	Type	Columns	Initial Code	Notes
E5W337_PK	Public	OID PID WID ID		

E5W340

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	OID	numeric	True	True	0	13	0		
True	PID	numeric	True	True	0	13	0		
True	WID	numeric	True	True	0	13	0		
True	ID	numeric	True	True	0	13	0		

Constraints

Name	Type	Columns	Initial Code	Notes
E5W340_PK	Public	OID PID WID ID		

E5W342

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	OID	numeric	True	True	0	13	0		
True	PID	numeric	True	True	0	13	0		
True	WID	numeric	True	True	0	13	0		
True	ID	numeric	True	True	0	13	0		

Constraints

Name	Type	Columns	Initial Code	Notes
E5W342_PK	Public	OID PID WID ID		

E5W392

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	OID	numeric	True	True	0	13	0		
True	PID	numeric	True	True	0	13	0		
True	WID	numeric	True	True	0	13	0		
True	ID	numeric	True	True	0	13	0		

Constraints

Name	Type	Columns	Initial Code	Notes
E5W392_PK	Public	OID PID WID ID		

E5W395

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	OID	numeric	True	True	0	13	0		
True	PID	numeric	True	True	0	13	0		
True	WID	numeric	True	True	0	13	0		
True	ID	numeric	True	True	0	13	0		

Constraints

Name	Type	Columns	Initial Code	Notes
E5W395_PK	Public	OID PID WID ID		

E5W398

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	OID	numeric	True	True	0	13	0		
True	PID	numeric	True	True	0	13	0		
True	WID	numeric	True	True	0	13	0		
True	ID	numeric	True	True	0	13	0		

Constraints

Name	Type	Columns	Initial Code	Notes
E5W398_PK	Public	OID PID WID ID		

E5W400

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	OID	numeric	True	True	0	13	0		
True	PID	numeric	True	True	0	13	0		
True	WID	numeric	True	True	0	13	0		
True	ID	numeric	True	True	0	13	0		

Constraints

Name	Type	Columns	Initial Code	Notes
E5W400_PK	Public	OID PID WID ID		

E5W402

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	OID	numeric	True	True	0	13	0		
True	PID	numeric	True	True	0	13	0		
True	WID	numeric	True	True	0	13	0		
True	ID	numeric	True	True	0	13	0		

Constraints

Name	Type	Columns	Initial Code	Notes
E5W402_PK	Public	OID PID WID ID		

E5W404

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	OID	numeric	True	True	0	13	0		
True	PID	numeric	True	True	0	13	0		
True	WID	numeric	True	True	0	13	0		
True	ID	numeric	True	True	0	13	0		

Constraints

Name	Type	Columns	Initial Code	Notes
E5W404_PK	Public	OID PID WID ID		

E5W405

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	OID	numeric	True	True	0	13	0		
True	PID	numeric	True	True	0	13	0		
True	WID	numeric	True	True	0	13	0		
True	ID	numeric	True	True	0	13	0		

Constraints

Name	Type	Columns	Initial Code	Notes
E5W405_PK	Public	OID PID WID ID		

E5W40

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	OID	numeric	True	True	0	13	0		
True	PID	numeric	True	True	0	13	0		
True	WID	numeric	True	True	0	13	0		
True	ID	numeric	True	True	0	13	0		

Constraints

Name	Type	Columns	Initial Code	Notes
E5W406_PK	Public	OID		

Name	Type	Columns	Initial Code	Notes
		PID WID ID		

E5W407

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	OID	numeric	True	True	0	13	0		
True	PID	numeric	True	True	0	13	0		
True	WID	numeric	True	True	0	13	0		
True	ID	numeric	True	True	0	13	0		

Constraints

Name	Type	Columns	Initial Code	Notes
E5W407_PK	Public	OID PID WID ID		

E5W4195

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	OID	numeric	True	True	0	13	0		
True	PID	numeric	True	True	0	13	0		
True	WID	numeric	True	True	0	13	0		
True	ID	numeric	True	True	0	13	0		

Constraints

Name	Type	Columns	Initial Code	Notes
E5W4195_PK	Public	OID PID WID ID		

E5W4202

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	OID	numeric	True	True	0	13	0		
True	PID	numeric	True	True	0	13	0		
True	WID	numeric	True	True	0	13	0		
True	ID	numeric	True	True	0	13	0		

Constraints

Name	Type	Columns	Initial Code	Notes
E5W4202_PK	Public	OID PID		

Name	Type	Columns	Initial Code	Notes
		WID ID		

E5W4222

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	OID	numeric	True	True	0	13	0		
True	PID	numeric	True	True	0	13	0		
True	WID	numeric	True	True	0	13	0		
True	ID	numeric	True	True	0	13	0		

Constraints

Name	Type	Columns	Initial Code	Notes
E5W4222_PK	Public	OID PID WID ID		

E5W4223

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	OID	numeric	True	True	0	13	0		
True	PID	numeric	True	True	0	13	0		
True	WID	numeric	True	True	0	13	0		
True	ID	numeric	True	True	0	13	0		

Constraints

Name	Type	Columns	Initial Code	Notes
E5W4223_PK	Public	OID PID WID ID		

E5W4227

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	OID	numeric	True	True	0	13	0		
True	PID	numeric	True	True	0	13	0		
True	WID	numeric	True	True	0	13	0		
True	ID	numeric	True	True	0	13	0		

Constraints

Name	Type	Columns	Initial Code	Notes
E5W4227_PK	Public	OID PID WID		

Name	Type	Columns	Initial Code	Notes
		ID		

E5W4243

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	OID	numeric	True	True	0	13	0		
True	PID	numeric	True	True	0	13	0		
True	WID	numeric	True	True	0	13	0		
True	ID	numeric	True	True	0	13	0		

Constraints

Name	Type	Columns	Initial Code	Notes
E5W4243_PK	Public	OID PID WID ID		

E5W4256

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	OID	numeric	True	True	0	13	0		
True	PID	numeric	True	True	0	13	0		
True	WID	numeric	True	True	0	13	0		
True	ID	numeric	True	True	0	13	0		

Constraints

Name	Type	Columns	Initial Code	Notes
E5W4256_PK	Public	OID PID WID ID		

E5W5

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	OID	numeric	True	True	0	13	0		
True	PID	numeric	True	True	0	13	0		
True	WID	numeric	True	True	0	13	0		
True	ID	numeric	True	True	0	13	0		

Constraints

Name	Type	Columns	Initial Code	Notes
E5W5_PK	Public	OID PID WID ID		

E5W50

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	OID	numeric	True	True	0	13	0		
True	PID	numeric	True	True	0	13	0		
True	WID	numeric	True	True	0	13	0		
True	ID	numeric	True	True	0	13	0		

Constraints

Name	Type	Columns	Initial Code	Notes
E5W50_PK	Public	OID PID WID ID		

E5W534

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	OID	numeric	True	True	0	13	0		
True	PID	numeric	True	True	0	13	0		
True	WID	numeric	True	True	0	13	0		
True	ID	numeric	True	True	0	13	0		

Constraints

Name	Type	Columns	Initial Code	Notes
E5W534_PK	Public	OID PID WID ID		

E5W545

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	OID	numeric	True	True	0	13	0		
True	PID	numeric	True	True	0	13	0		
True	WID	numeric	True	True	0	13	0		
True	ID	numeric	True	True	0	13	0		

Constraints

Name	Type	Columns	Initial Code	Notes
E5W545_PK	Public	OID PID WID ID		

E5W9

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	OID	numeric	True	True	0	13	0		
True	PID	numeric	True	True	0	13	0		
True	WID	numeric	True	True	0	13	0		
True	ID	numeric	True	True	0	13	0		

Constraints

Name	Type	Columns	Initial Code	Notes
E5W9_PK	Public	OID PID WID ID		

E5WORDID

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	WORD_ID	numeric	True	True	0	13	0		

Constraints

Name	Type	Columns	Initial Code	Notes
E5WORDID_PK	Public	WORD_ID		

E5WORDS

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	ID	numeric	True	True	0	13	0		
False	WORD	varchar	False	True	255	0	0		

Constraints

Name	Type	Columns	Initial Code	Notes
E5WORDS_PK	Public	ID		
E5WORDS_UNIQUE	Public	WORD		

REPORTNUMBERS

Columns

PK	Name	Type	Not Null	Unique	Len	Prec	Scale	Init	Notes
True	REPORTKEY	varchar	True	True	50	0	0		
False	REPORTNUMBER	varchar	True	False	50	0	0		

Constraints

Name	Type	Columns	Initial Code	Notes
E5REPORTNUMBERS_PK	Public	REPORTKEY		

END OF DOCUMENT

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