![BASSnet™ Streamlining Maritime Operations]

BASSnet BI Dashboard 1.2 – 1.2 HF3 Release Notes

Product Release Information	
Product:	BASSnet™ BI Dashboard
Release Number:	BID1.2 HF3-000
Release Date:	29 September 2023
Customer Support:	For more information or support, please visit our website http://www.bassnet.no/

This release addresses the following:

This release note describes all the changes in BASSnet BI Dashboard from version 1.2 to version 1.2 HF3-000. Any further changes to the items in this note, if any, will be reflected in subsequent Patch Release Note documents.

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Front-End Enhancements

This section lists enhancements to the front-end user interface and general features in the system.

❑ **External User View**

[CR 14276] BASSnet BI Dashboard now allows users to provide external parties access to a report of their choice. External users will be limited to only the basic 'view' of the selected report and cannot navigate to any other screens/reports or have access to any control features (e.g. Add to Favorites).

On the **Manage BI Report Source** screen, Administrators can now set a **Default Report** where external users logging in will be able to view.
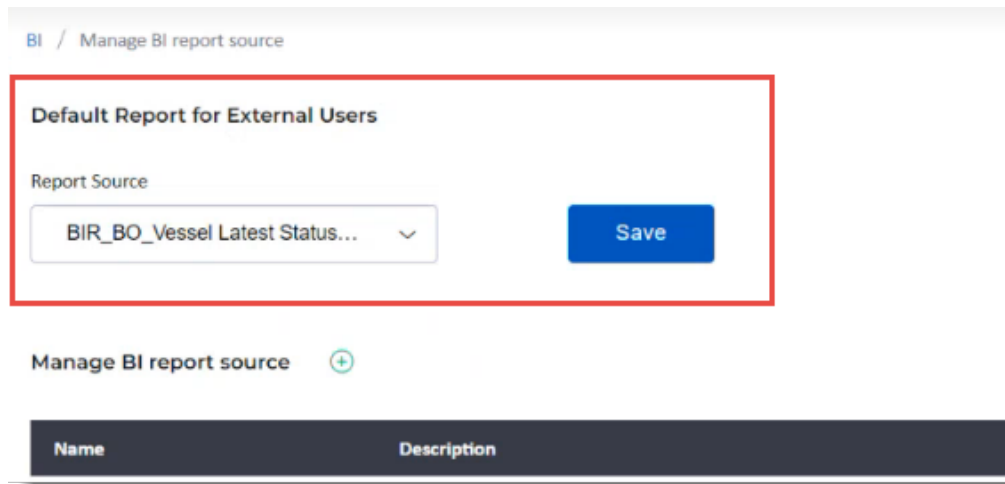

Only Admin users granted with the 'BI Dashboard Administrator' access right will be able to set/change the Default Report. External Users must be granted the new **BI Dashboard External User** access right to be able to access the Default Report.
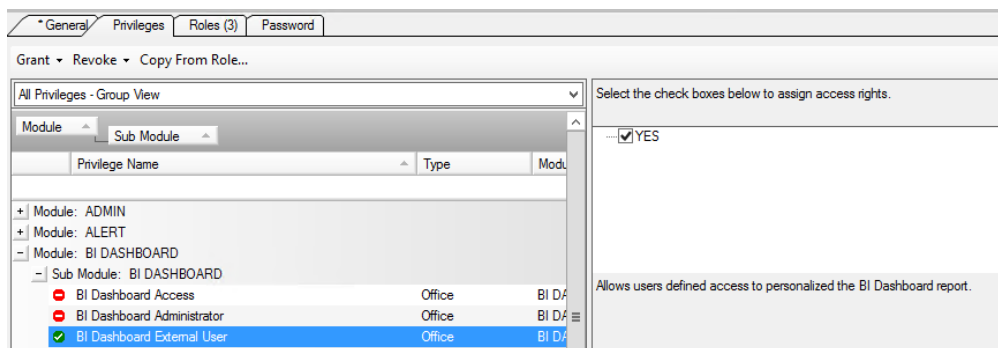
❑ **User Assignment Search Lookup**

The **User assignment** search function on the **BI report group configuration** screen has been enhanced so that when a keyword is searched and the result is not found alphabetically on the current lookup page, it will still display the result accordingly regardless of the result lookup page.

This was not the case previously because the search function returned results page by page instead of searching through the entire options list, meaning that results were returned only if the keyword searched is from the current lookup page.
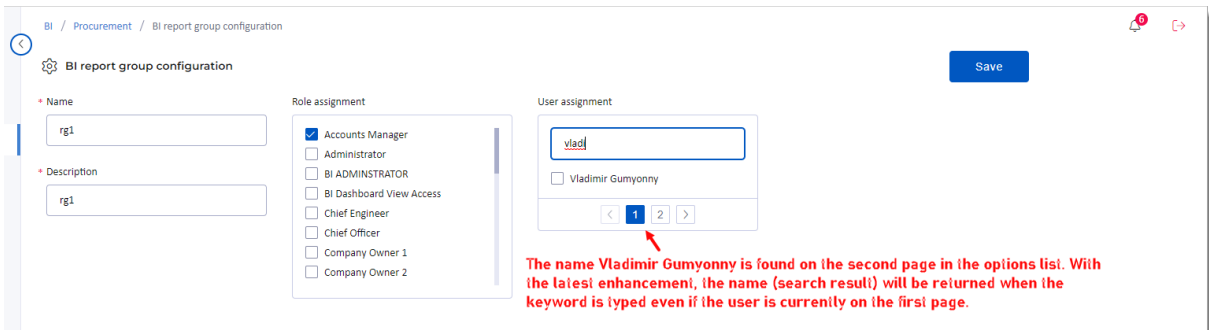
❑ **Manage My Report Views**

The **Manage Filters** and **Send Email** buttons for BI Dashboard reports are now combined into one new feature known as **Manage my report views**.
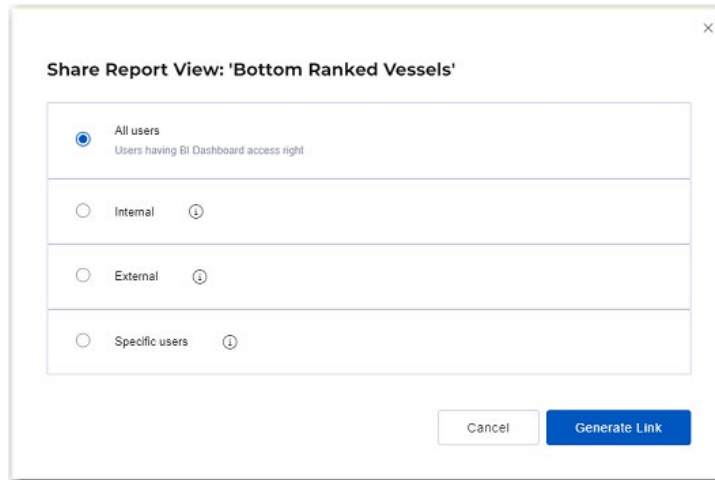
Old	New
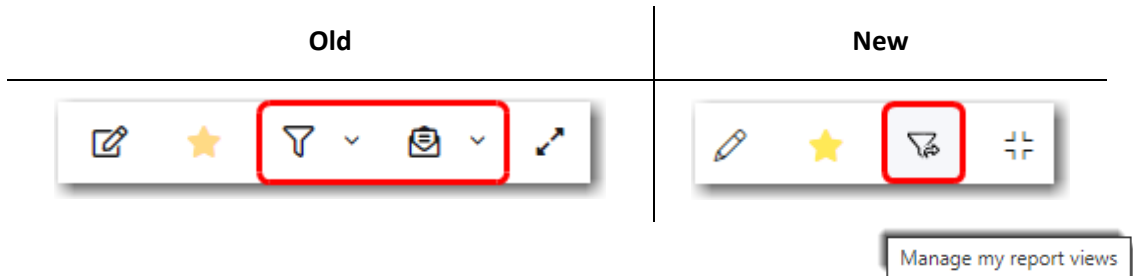
There are two functions of this new feature:

a. **Create new report view:** Enables users to apply filtering on the report, then create a new report view with the applied filter(s) and save the newly created report view.

b. **Share report view:** Share the report view with other users based on the four user options available for selection. Once the user type is selected, click the **Generate Link** button to copy the link and share to the users based on the user type selected.

The new Share feature expands upon the previous Send function (which sends a static PDF file of the data) to allow the shared user to view the filtered data on BI Dashboard, with the ability to interact with the data points, tables and charts in the report.

Note: If the link is shared with unauthorized users that are not from the user type selected, they will not be able to access the report. Shared links can also be revoked if necessary.

❑ **Drill Down Features**

Users can now drill down directly from BI Dashboard to Routine Tasks and Work & Rest Hours records in BASSnet, and Journal Voucher records in BASSnet Financials.

The Routing screen has also been improved to automatically close after a set period of time.

❑ **Report Layout Standardisation**

To ensure the look and feel of all reports in BI Dashboard are similar to one another, a standard template has been developed from which we have used to standardise existing reports and will use to develop all future reports.

System Updates

❑ **User Access Control**

BASSnet BI Dashboard has been updated with **Concurrent User Session Licensing**. This licensing model is based on the maximum number of people that will be using the system at the same time instead of the total number of users of the system.

In other words, if 20 concurrent session licenses are purchased, then up to 20 users can log in to the system at any given time.
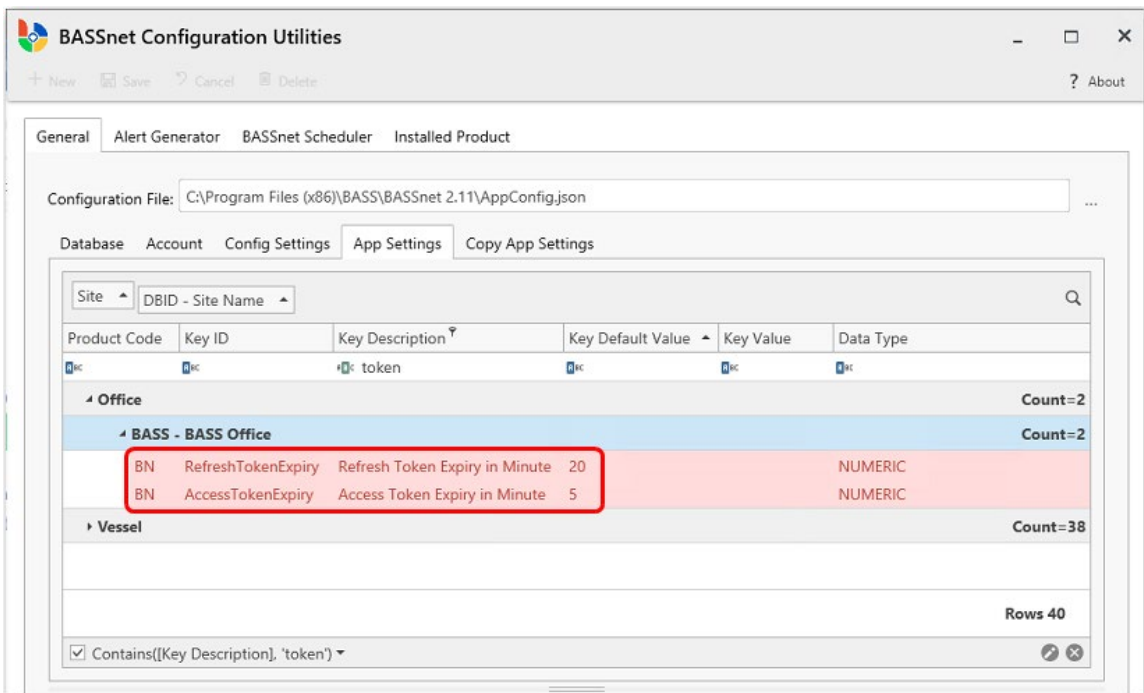
This licensing model will work with BASSnet's **RefreshTokenExpiry** and **AccessTokenExpiry** configuration with their respective default values (in minutes).

- **RefreshTokenExpiry**: To determine the number of minutes that it will take for the token to expire, i.e., for the user to be logged out of the concurrent session if the session is idle.

  For example, the default value is set to 20 minutes, and if the session is currently active after 20 minutes, then the token will refresh for another 20 minutes.

- **AccessTokenExpiry:** To determine the intervals (in minutes) at which the system will perform a check to determine if the concurrent session is idle or active.

  For example, if the default value is set to 5 minutes, then every 5 minutes the system will check if the session is idle.

❑ **Upgrade to Power BI Embedded Gen 2**

The Power BI engine on which BASSnet BI Dashboard runs has now been fully upgraded to the next-generation **Embedded Gen 2** engine. This upgrade brings with it all the capabilities of the previous generation with further improvements on its performance, scalability and more.

Click here for more information on the benefits of Embedded Gen 2.

❑ **URL update**

The server port number will no longer be included in all BI Dashboard URLs due to vulnerability to security breaches. In this update, the reverse proxy method will be applied to hide the port number and all URLs will go through the HTTPS default port 443 for improved security.

Example URL before and after this update:

▪ **Before:**

https://bassbiportal.bassnet.no:123

▪ **After:**

https://bassbiportalservices.bassnet.no

Note: BASSnet BI Dashboard will require the necessary SSL certificates to support the '*https*' security protocol.

BI Report Enhancements

This section lists enhancements specific to the individual BI Reports in the system.

1. **Management**

   ❏ [CR 14717, 14866] Enhanced the **Vessel Scorecard** report by adding selection to view and compare vessel performances and scores by Office, Group, Vessel, and Vessel Type.


   Additional enhancements include logic changes for the calculation of scores and KPIs as well as enhancement to the 'delta' run update.

2. **Safety & Quality**

   ❏ [CR 14302, 14544] A new **Observation Type** field (introduced in BASSnet 2.11 SP2 HF2-000) is now available in Vetting reports to differentiate between Positive and Negative observations.
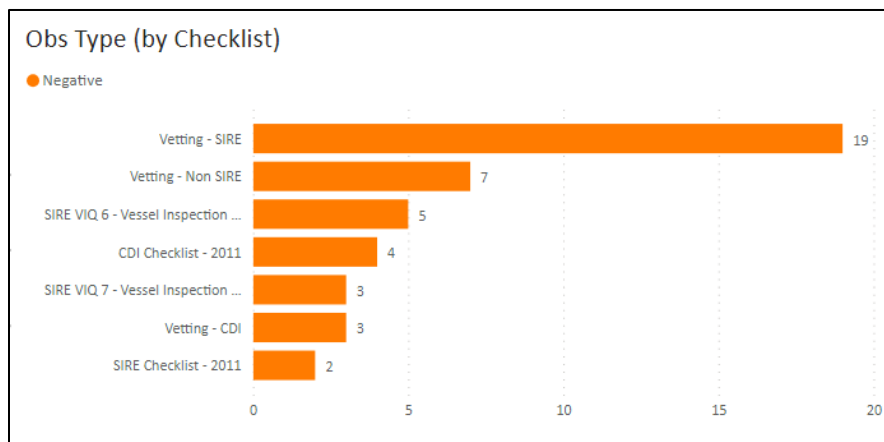
❑ A new **Event Code Detail** column has been added to the **Near Miss Event** report - **Event Details** tab to capture all the event codes selected in each record, including all parent and child event codes selected.
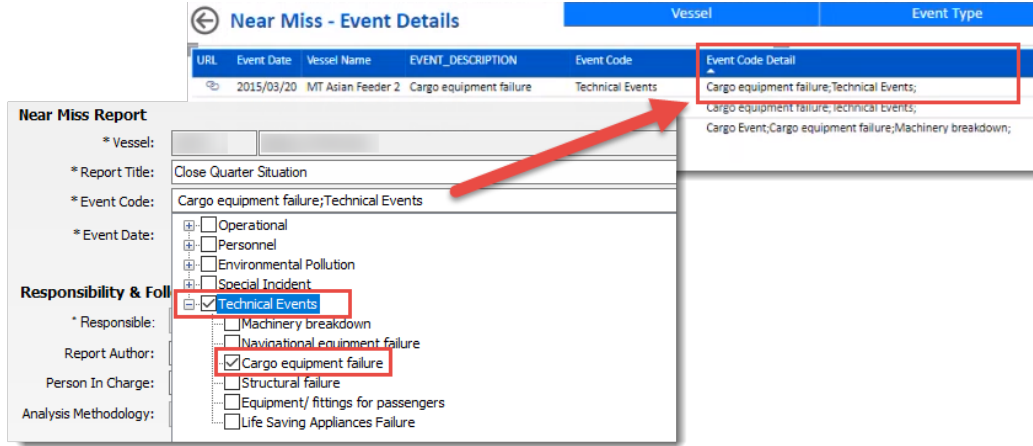
3. Procurement

❑ [CR 14718, 14859] A new BI Report named **Procurement Efficiency KPI** is now available.

This report measures the efficiency, based on user defined thresholds, for the processes from Requisition Created to PO Raised. Data can be presented for the Fleet (by Office, Pool, Vessel Group or Vessel), or for Role (by Vessel, Role or User).
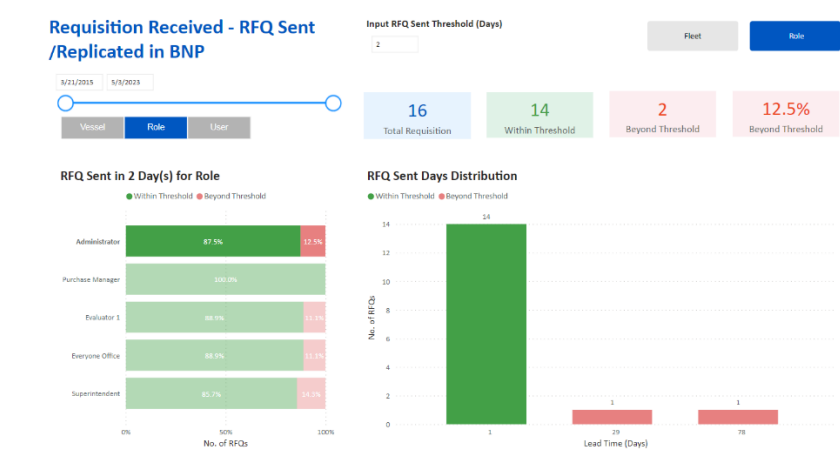
From the **Distribution** bar chart, users can drill down to:

- Efficiency Details – to view details of all the Requisition/RFQ records and relevant information. From here, users can click the URL to further drill down to open the record in BASSnet.

- User and/or Vessel Distribution – to view distribution of records per user/vessel.
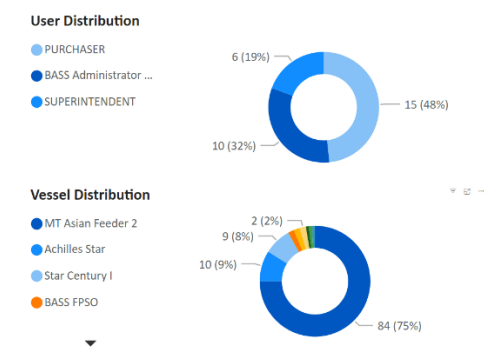
❑ [CR 14719, 14860] A new BI Report named **Procure to Pay Average Days** is now available.

This report provides an overview of the average days taken to process a Requisition to a Fully Received PO and to a Fully Paid Invoice, based on the respective Procurement processes within a set period. Data is presented by the respective Vessel Groups.
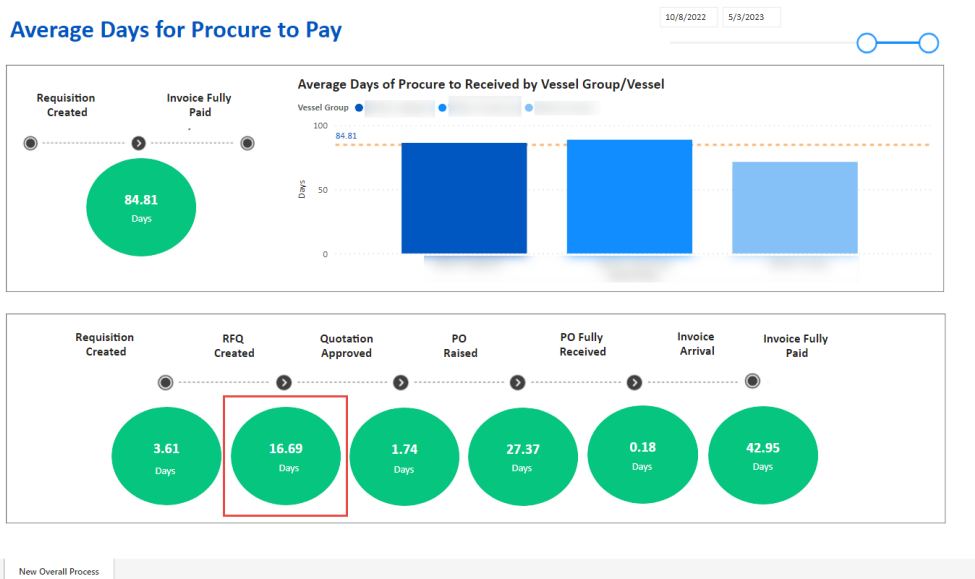
From the Overall Process, users can drill down into each individual process to view the details of all the requisition/PO/invoice records and relevant information used to calculate the average days.

From here, users can click the URL icon to further drill down to open the record in BASSnet.

4. Human Resource

❑ [CR 14545] A new BI Report named **Work and Rest Hours Analysis** is now available.

This report provides insights into the work and rest hours of your crew. It analyses fleet-wide non-conformities related to work and rest hours and shows the distribution of NCs by various groupings (e.g. NCs by Vessel, by Crew Rank, by rule violated, etc.).
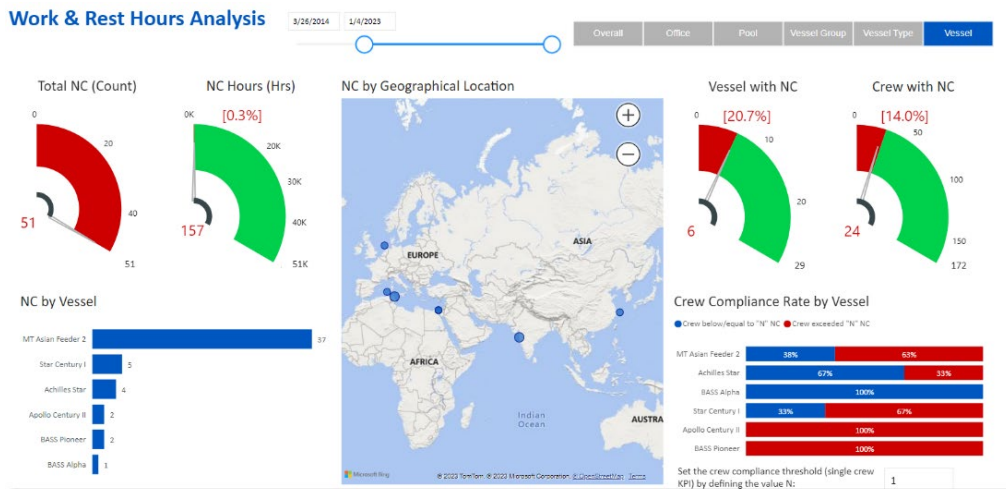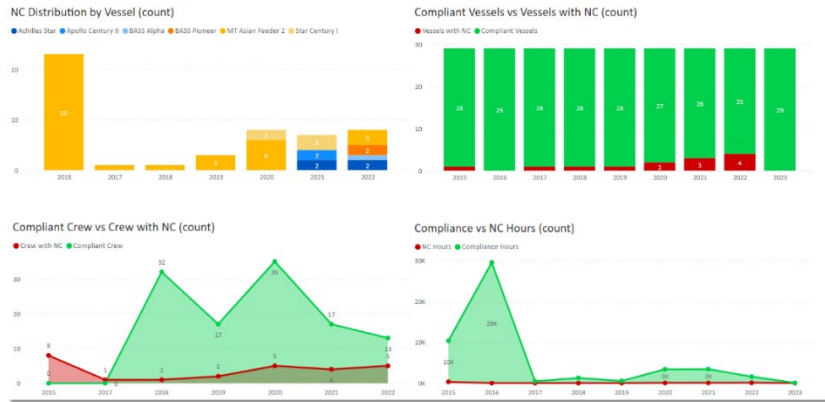
Drill down is available to both the individual Work & Rest Hours NC records in BASSnet and the crew's profile in BASSnet HR Manager.
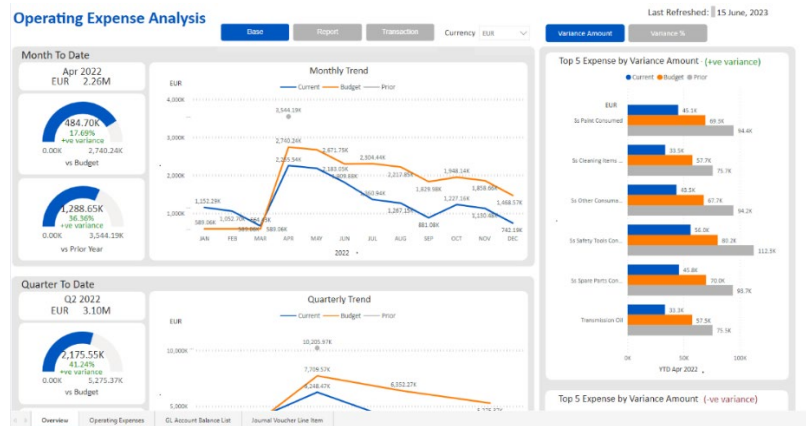

5. Finance

❑ [CR 14713] A new BI Report named **Operating Expenses Analysis** is now available.

This report provides a monthly, quarterly or yearly overview of operating expenses against a predefined budget and the prior year (in base, report or transaction currency). The report also displays the Top 5 Expenses by positive and negative variance. This allows users to quickly analyse which expenses are below budget and which are above.

Users will be able to drill down to individual expenses and the GL Account Balance List, and further drill through to the Journal Voucher Line Item. From here, click the URL icon to open the record in BASSnet Financials.

BI Data Warehouse Enhancements

This section lists enhancements made to the BI Dashboard Data Warehouse.

❑ **New Tables and Data Elements in BI Dashboard**

Since v1.2, many new Tables and Data Elements have been added to the system to allow users to extract a larger variety of data into their BI Reports.

The following table displays the updates by domain in BI Dashboard from versions 1.2 to 1.2HF3:

Version	Description
BID 1.2	**Initial version consist of:** Management, Commons Safety & Quality Procurement Operations Technical Management Crewing Finance
BID 1.2 HF1	**Updates:** Crewing
BID 1.2 HF2	**Updates:** Procurement Financial Management
BID 1.2 HF3	**Updates:** Management, Commons Safety & Quality Procurement Operations Technical Management Financial

Figure 1 - BI Dashboard DB Objects

BID 1.2HF1

Introduction of a new crewing report, resulting in an increase in the number of data elements compared to the initial BID 1.2 release.

BID 1.2HF2

Increase in data elements compared to BID 1.2HF1 due to the addition of new ETL, tables, and data elements to support the newly released Procurement, Financial, and KPI reports.

BID 1.2HF3

Improvements to data elements in the latest BID 1.2HF3 in comparison to BID 1.2HF2, including better table restructuring and accuracy handling as well as improved performance for Procurement reports.

In addition, the standard and naming of data and ETL scripts in the data warehouse have also been improved.

❑ **Technical Documentation and Data Dictionary**

Technical documentation and the Data Dictionary for all BI Reports have been updated to include all the latest changes and reports introduced up to v1.2 HF3.

Fixes

The following fixes have been applied to improve key areas of the system:

❑ **Enhanced data accuracy**

[78927] The system will now ensure that the latest data is captured every time data is replicated from the vessel into the **FACT_JOB** database table to verify records within the table are accurate, up-to-date, and complete.
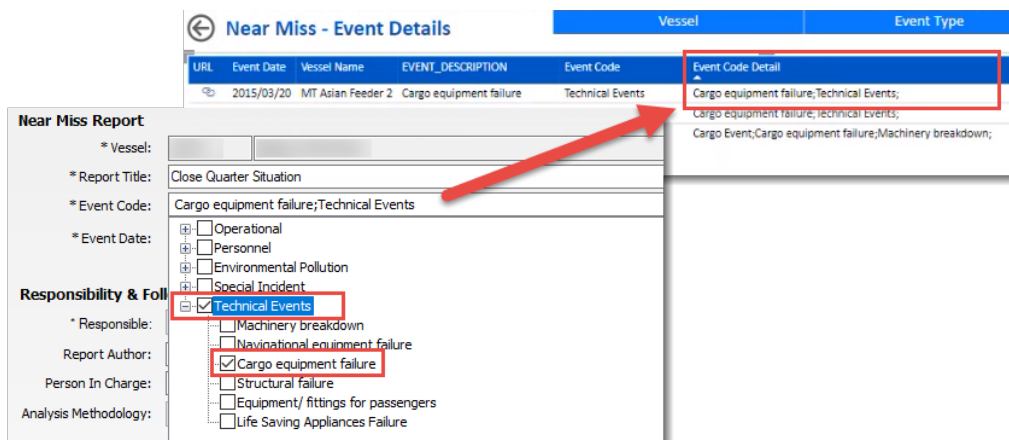
❑ **New back-end filter to identify duplicate records**

[79086] All SAFIR reports (excluding **Drill Compliance Analysis**) will now include filtering at the back end to detect and remove duplicate records so that data is consistently 'clean' and reliable.

❑ **Report accuracy and consistency**

[79034] The **Event Code** column on the **Event Details** page of the **Near Miss Event** report has been updated to point to the same column as the Event Code data on the **Overview** page to ensure that Event Code data on both pages are aligned and consistent.

In addition, a new **Event Code Detail** column has been added to capture all the event codes selected in each record, including all parent and child event codes selected.

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