



BASSnet BI Dashboard 1.3 HF3-000 Release Notes

Product Release Information

Product:	BASSnet™ BI Dashboard
Release Number:	BID1.3 HF3-000
Release Date:	30 October 2024
Customer Support:	For more information or support, please visit our website http://www.bassnet.no/

This release addresses the following:

This release note describes the system corrections (as reported by Customers) and new enhancements, if any, made in BASSnet BI Dashboard 1.3 carried out in the Hotfix 3-000 patch released on 30th October 2024.

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New Report: Crew Attrition Rate

- ❑ [CR 15523] A new BI Report named **Crew Attrition Rate** is now available.

This report provides detailed insights into the rate at which crew members leave the company over a specific period.

Key features include:

- Options to analyse crew departure data for a specific year or within multiple quarters of the year, and drill down to the month level for precise insights.
- Tabs for **Rank**, **Rank Grouping**, **Rank Type**, and **Crew Type**, with charts that track crew attrition rates by gender, age distribution, manning agent, and top five nationalities.
- An area graph that is adjustable by year, quarter, or month, for detailed timeline analysis of attrition rates.

With data spanning over a look-back period of seven years with a default selection of the most recent two years, this report helps identify trends and offers actionable insights for reducing crew attrition.

This new Crew Attrition Rate report is also fully aligned with the Attrition Rate report in BASSnet HR Manager, providing consistent data across both platforms for enhanced analysis.



Note: The Crew Attrition Rate report contains GDPR-sensitive information, including data that falls under the special categories of personal data as defined by the General Data Protection Regulation (GDPR).

Appropriate access control measures are available to ensure only authorised users can view the report.

BI Report Enhancements

- ❑ [CR 15524] The **Crew Retention Rate Report** has been updated with the following enhancements.

While the core information, showing the percentages of crew retained, remains the same, the report now includes *slicing and dicing* capabilities similar to the **Crew Attrition Rate** report.

Key changes include:

- A date slicer that allows easier filtering by year, quarter, or month.
- New **Rank** category to perform filtering by rank (in addition to the **Rank Type**, **Rank Grouping**, and **Crew Type**).
- Display of all nationalities, unlike the Crew Attrition Rate report which shows only the top five nationalities.
- Data look-back for the last seven years, with a default selection of the most recent two years.
- Retention rate figures between the BI Report and the HR Manager Retention Rate report are now aligned to ensure data consistency across both platforms.



Note: The Crew Retention Rate report contains GDPR-sensitive information, including data that falls under the special categories of personal data as defined by the General Data Protection Regulation (GDPR).

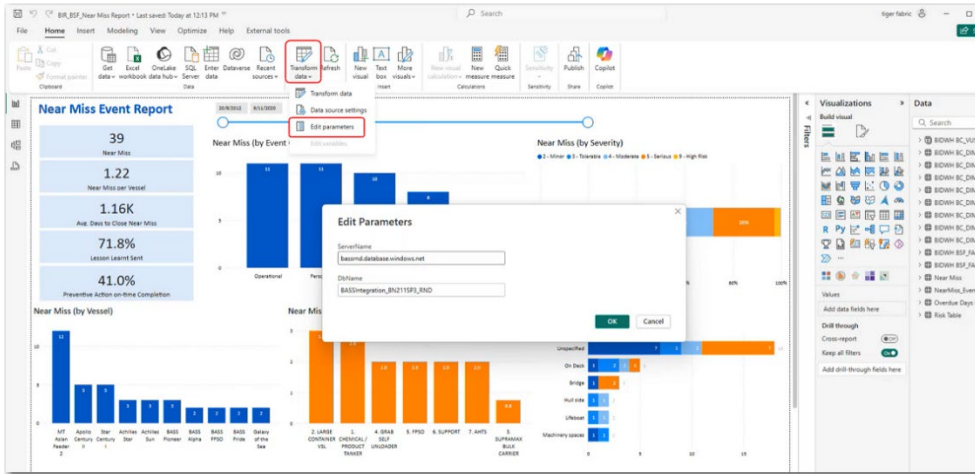
Appropriate access control measures are available to ensure only authorised users can view the report.

❑ [CR 15630] The following enhancements have been made to all BI Reports in the system:

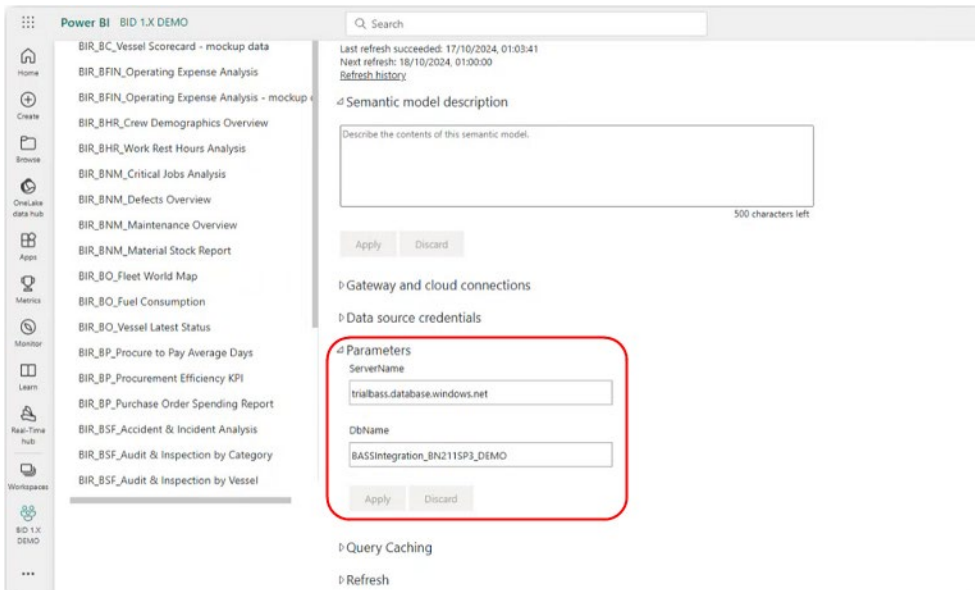
- **Standardisation of Server and Database Name Parameters**

The **ServerName** and **DbName** parameters, used for setting the server and database names during deployment to customers, have now been standardised to ensure consistency. In previous setups, these values were inconsistent, sometimes pointing to local environments.

For unpublished BI Reports, the Server Name and Database Name can be accessed via **Transform Data – Edit Parameters**.

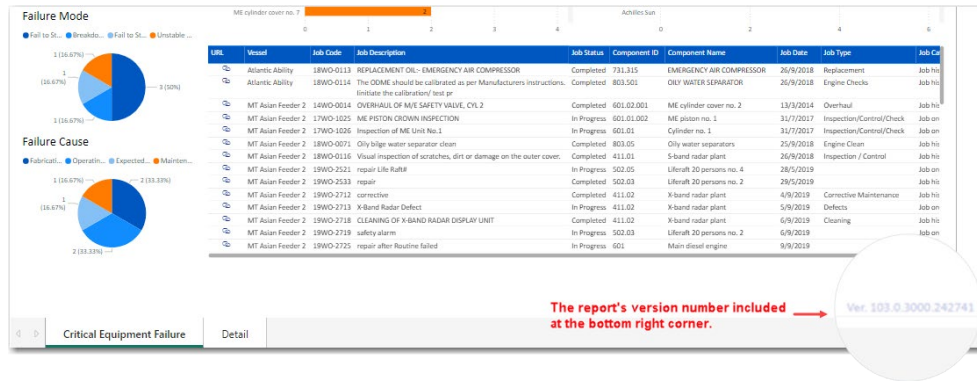


For BI Reports published to customers, the parameters can be accessed in Power BI Workspaces under the **Parameters** setting, where the Server Name and Database Name will be updated based on the standardised parameters using the customer's Server and Database Names.



- **Introduction of Version Numbers for Reports**

A version number will now be displayed at the bottom right corner for each BI Report. The version number will help BASS developers identify issues and track updates made to specific reports based on the report version the customer is using.



BI Security Enhancements

This section lists the security-focused updates implemented in the system.

- ❑ **[CR 15632]** User ID and Password suggestions (auto-complete) will no longer be displayed when entering the credentials for login. This enhancement improves security by preventing unauthorised users from logging in using the automatic suggestions.
- ❑ **[CR 15633]** Passwords are now encrypted before sign-in requests are sent to the backend. Previously, passwords were captured in plain text, which posed a security risk.
- ❑ **[CR 15634]** The JSON token encryption mechanism has been upgraded to the more secure Elliptic Curve Digital Signature Algorithm (ECDSA). The algorithm used for this implementation is ES256, which employs ECDSA for enhanced encryption security. This upgrade ensures stronger protection for token data.
- ❑ **[CR 15635]** To further enhance protection against potential security threats, including XSS and MIME-type based attacks, two security headers have been added for the sign-in request (**Welcome** screen) and submodules request (**BI Overview** screen):
 - **Content-Security-Policy:** Set to *default-src 'self'*
 - **X-Content-Type-Options:** Set to *nosniff*

BI Data Warehouse Enhancements

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

❑ New Tables and Data Elements in BI Dashboard

Since v1.3, 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 1.3 to 1.3HF3:

Version	Description
BID 1.3	Initial version consists of: Management, Commons Safety & Quality Procurement Operations Technical Management Crewing Finance
BID 1.3 HF1	Commons Procurement Crewing Safety & Quality
BID 1.3 HF2	Commons Crewing
BID 1.3 HF3	Commons Crewing

Figure 1 - BI Dashboard DB Objects

BID 1.3HF1

Improvements to data elements compared to BID 1.3 with the addition of new ETL, tables, and data elements to support the updated Crewing report. The increase is also attributed to an update in Procurement and Commons data elements. Logic changes were also made in one of the Stored Procedures related to Safety & Quality.

BID 1.3HF2

Improvements to data elements compared to BID 1.3HF1 with the addition of new ETL, table, and data elements to support the new Crewing report. The increase is also attributed to an update in Commons data elements and changes in the Stored Procedure extraction logic.

BID 1.3HF3

Improvements to data elements compared to BID 1.3HF2 with the addition of new ETL, table, and data elements to support the new Crewing report. The increase is also attributed to updates to the existing Crewing Stored Procedure logic as well as introduction of additional Commons data elements.

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 v1.3 HF3.

Fixes

Complete and up-to-date vessel data

[83460] Enhanced the accuracy of the **Procurement Efficiency KPI Report** to ensure complete and up-to-date data is displayed. Previously, the number of vessels shown was lower than expected due to a data extraction inconsistency.

Two key updates have been implemented:

- **Updated the Power BI query transformation logic:** This ensures accurate vessel data extraction for the report.
- **New Vessel Status Filter:** A filter for Vessel Status has been added, allowing users to select either 'Active' or 'Inactive' vessels, or both. By default, the report shows data for active vessels only, but users can choose to display data for both statuses if needed.

Vessel Status ^ ✕

is Active

Filter type

Basic filtering ▾

Select all

Active 5

Inactive 9

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