MassTrack 14.60 – Release Notes

New features and improvements

- Added support for displaying **Custom Code IDs in labels**, controlled by a new global option. This is supported across the Main, Item, Compare, Code Envelope and Module Weight Distribution functionality.
- Added a global setting for defining the **display order of CoG coordinates**. The selected order is applied throughout MassTrack, including reports, Project Info, Method Values, Log, Code Envelopes, Code Summary, Compare, Gyradius, Executive Summary, Load Conditions, Tank, Ballast Trim and Module Weight Distribution.
- Added support for specifying a **default Global Item Filter for a project**.
- Added % as a formatting option for Custom Codes.
- Extended **Risk Analysis** to support statistical uncertainty analysis of items, including analysis of selected items and use of a configurable Custom Code for item standard deviation.
- Added the first version of the new **Plot Plan window**, allowing plot plan drawings to be loaded and scaled as a basis for visualization of weight information.
- Added validation of **Custom Code format strings**, both when editing Code Definitions and when reading definitions from the database, preventing invalid formats from causing errors or preventing projects from reopening.
- Added support for connecting **Custom Code factor fields to the item quantity factor**, similar to Unit Weight.
- Improved the **MON import** functionality, including saving import settings and creation of Custom Import settings/sets that can be used as a backup when automatic MON import is not sufficient.
- Extended the Filter window to support viewing/editing **filter types other than GlobalFilter**.
- Added an **Instance Transformation** window for defining multiple instances of subprojects and their transformation data.
- Added support for **multiple instances of the same subproject**, including transformation of CoG data and summarization of transformed instances into the master project.

- Added new Custom Code AutoSum calculations for **MOIxx, MOIyy, MOIzz, Pxy, Pxz and Pyz**, with support across Code Definition, Item, Main, Plot Plan, Code Summary and Weight Correction functionality.
- Added AutoSum calculations for **MOI-Rxx, MOI-Ryy and MOI-Rzz** based on radius of gyration.
- Added an **Open Items…** command to Code Summary, making it possible to open the Item window filtered by the selected Custom Code.
- Weight groups can now have a **status without requiring a value**.
- Added configurable **security background and text colors**, with support in the Main and Item windows.

Bug fixes

- Fixed several issues related to displaying Custom Code IDs and descriptions in labels and headings.
- Fixed CoG labeling in method expressions when alternative coordinate labels are used.
- Fixed several **Weight & CoG reports**, including incorrect displacement CoG, Envelope Weight & CoG errors and missing items in the Modular Weight Distribution report.
- Fixed Custom Code formatting and AutoSum behaviour in the weight group hierarchy, including percentage formatting and codes configured as **No Sum**.
- Fixed resizing problems in the Dashboard Setup, Project Info, Custom Import and Data File windows.
- Fixed a crash when opening certain projects.
- Fixed a crash when opening the **Loading Condition** window.
- Fixed incorrect equipment weights when importing certain MON databases.
- Improved Data File import logging for ITEM, ITEM_TEMP and PLAYGROUND.
- Fixed CoG coordinate order in the **Modular Weight Control Report** when using a custom global CoG order.
- Fixed a crash in **Auto Estimation** when working with large MET tables.
- Fixed the Weight Correction window when Custom Code IDs are not included in labels.

- Fixed updating of Custom Code AutoSum totals when item code values are changed.
- Fixed residual Custom Code totals when all items are moved out of a weight group.
- Fixed an error when opening **View Summary** from the Code tree when Custom Code IDs are hidden.
- Fixed incorrect minimum values when using **Summarize from Subprojects**.
- Fixed Excel Weight Matrix import when numeric values use a **non-breaking space (NBSP) as thousands separator**.
- Fixed incorrect indexing of CoG and min/max values in Weight Correction calculations.
- Fixed saving of **Weight Complete status** for newly added weight groups.
- Fixed automatic updating of the Main window after changing an item's weight group in the Item window.
- Fixed **Convert All Under to Items** being disabled for parent weight groups.
- Fixed estimation with **negative coefficients**, including graph scaling, point selection and coefficient display.
- Fixed loading, updating, summarizing, adding and removing **multiple subproject instances**.
- Fixed item refresh incorrectly overwriting Custom Code values for weight groups using **subjective values**.
- Fixed an error when creating a new project where the ITEM_FILTER table is not available.
- Fixed the database version check to prevent MassTrack 14.60 from incorrectly accepting older 14.50 project databases.