

R3M - RELEASE NOTES

The R3M icon consists of three horizontal blue bars of varying lengths, with the longest bar on the left and the shortest on the right, creating a stylized 'R' shape.

Introduction

This document contains summary information on new features introduced, and issues resolved in Trimble's R3M software. For further support information, contact our support.

Other changes

- On Train Details, the system now retrieves the latest data and last transmission time for individual assets (vehicles/locos) within a consist. This replaces the previous method of relying on consist-level data (R3M-21142).



Channel Analytics

- Legends have been moved to the left side of the graph, and labels for boolean channels are now aligned with their individual graphs. Additionally, the crosshairs now extend across both analog and boolean graphs simultaneously (R3M-21329).

Other changes

- Beyond technical optimizations, the map now features increased zoom capabilities and faster interaction speeds (R3M-20017).



Fleet Summary

- Some units were not visible despite transmitting data. The bug has been fixed (R3M-21369).
- The trains for which the last transmission is unknown are shown last, regardless of the transmission sort order (R3M-21313).
- Issues with sorting by transmission time have been fixed (R3M-21291).

Event Analytics

- The Event Patterns table can now be filtered (R3M-21397).

Channel Analytics

- It is now possible to select up to 50 channels (R3M-21398).



Map View

- If a time in the past is selected, clicking on a train icon will now open Train Details for that specific time (R3M-20621).

Event Analytics

- Filtering by Milepost is now functioning (R3M-21113).

Rules Manager

- Some special characters are no longer authorised. Click the information icon next to the Title field to know more (R3M-21136).
- The list of Event templates remained filtered despite clearing the search. The bug has been fixed (R3M-20781).

Configuration

- It is now possible to change the channel group for a channel (R3M-21164).
- On Channel Configuration, the list remained filtered despite clearing the search. The bug has been fixed (R3M-21029).

Other changes

- The channels are now sorted alphabetically on Train Details (R3M-21268).



Fleet Summary

- The coupled units/locos list was not always automatically expanded when performing a search. This issue has been fixed (R3M-20511).

Rules Manager

- If the alias of a channel is changed on Channel Configuration, the updated name will now appear on existing event templates (R3M-20720).

Downloads

- Multiple issues with the date filter have been fixed.

Configuration

- Two new Cab View widgets are available: ruler & progress bar (R3M-21137).

Other changes

- The historical mode is now available on Train Details (R3M-19113).
- The Train Details screen has been updated to show more channels on the table (R3M-21060).
- The name of the data source is now always displayed if there is more than one data source for the fleet (R3M-21059).
- The number of events was not updated correctly when switching vehicle/page while on the Events table. This issue has been fixed (R3M-20916).
- The company logo will now appear in the banner (if provided) (R3M-2169).



Fleet Summary

- The Last Transmission date/time is now blank when units have never transmitted data, instead of showing 01/01/1970 (R3M-20900).

Channel Analytics

- The graph was failing when switching from Table view to Graph view while a String channel was requested. The issue has been fixed (R3M-20793).
- The scale was not correctly set according to the channel definition. The issue has been fixed (R3M-20734).
- The Hide and Show Scales options were not always correct. The issue has been fixed (R3M-20058).



Fleet Summary

- Fleets (when more than one) can be ordered on Fleet Summary. Ask Trimble if you want to reorganise the tabs (R3M-20770).
- The main transmission status now takes into account the data sources expected for each asset type (R3M-20576).

Other changes

- Focused channels, which can be flagged on Channel Configuration, are shown on the left hand side of Cab View (R3M-20747).
- Non-default channel states are now displayed in the "Channel highlight" section of Cab View (R3M-20743).



Fleet Summary

- Speed is now showing 2 decimals only (rounded) on Fleet Summary and Train Details (R3M-20772).

Configuration

- Authorised users can now edit Channels details from Channel Configuration (R3M-350).

Other changes

- The performance of the channel data processing has been improved (R3M-20640).



Fleet Summary

- The issue where data was appearing in the wrong column has been resolved (R3M-20675).
- The issue where vehicles would momentarily disappear and reappear when unit compositions changed has been fixed (R3M-20467).
- Duplicate records could be seen after consist updates. This issue has been fixed (R3M-20460).

Event Analytics

- It was not possible to drill down into the table when the data was aggregated by Loco. The issue has been fixed (R3M-20678).
- The "Loco" column was not populated on Table View. The issue has been fixed (R3M-20666).
- On the table, the Unit column could contain Vehicle numbers. The issue has been fixed (R3M-20472).
- Some columns on the CSV export were not populated for Loco fleets. The issue has been fixed (R3M-20462).

Downloads

- It is now possible to filter by request date (R3M-20679).

Other changes

- When clicking "Train Details" from the "Event Details" pop-up, "Train Details" should open in historical mode, with the date of the event automatically selected (R3M-20461).
- Manual counter updates are now effective instantaneously (R3M-20628).
- The transmission status will now accurately reflect data sources that transmit alternately (R3M-20244).



Fleet Summary

- The issue with the erratic time has been fixed (R3M-20495).
- 100 trains per page are now displayed (R3M-20671).

Channel Analytics

- It is now possible to select up to 31 days of data (R3M-20379).

Rules Manager

- There was an issue saving decimal values starting with 0. The issue has been fixed (R3M-20615).

Other changes

- The description of the channel is now available on mouse over on all screens (R3M-19788).
- The Diagram field has been removed from Cab View when the view-diagram role is not assigned (R3M-20669).
- There was a message error when saving/editing Cab View configurations. This has been fixed (R3M-20668).
- The subject of the email templates has been increased to 200 characters (R3M-20674).
- The map will no longer flicker if the train is not moving (R3M-20387).



Fleet Summary

- Filtering on Channel Status now works (R3M-20385).

Map View

- An option to show/hide train numbers has been added (R3M-20409).

Event Analytics

- Filtering on Event Titles could fail if titles were not in Camel case. The issue has been fixed (R3M-20441).

Other changes

- Cab Views are now user configurable by fleet and asset class (R3M-20110).
- Counters are now available for customers who have the option enabled (R3M-20117).
- Asset Groups were not shown on Train Details. The issue has been fixed (R3M-20386).



Map View

- Filtering on partially online assets is now working (R3M-20380).

Event Analytics

- Events were not correctly located on the map. This issue has been fixed (R3M-20257).

Channel Analytics

- The full list of assets is now displayed when clicking the dropdown menu (R3M-20406).



Fleet Summary

- Previously, formations updates were:
 - Sometimes displaying the unit number and other times the vehicle number. This issue has been fixed (R3M-20304).
 - Causing the service to stop when receiving too many updates. This issue has also been fixed (R3M-20401).

Rules Manager

- The number of activations was wrong when testing rules with boolean channels. This has been fixed (R3M-20328).

Other changes

- Mileposts and Route can now be converted to channels, based on the mileposts loaded in R3M. Reach out to Trimble to know more about this feature (R3M-2469).
- If changed by the user, the zoom level on the Train Details map is now retained when the train is moving. (R3M-20015).



Fleet Summary

- A Timestamp column has been added to the main table (R3M-19939).
- It is now possible to open the channels details popup by clicking the "All OK" groups (R3M-20089).

Map View

- Filtering on priority or asset group wasn't working in live mode. This has been fixed (R3M-20199).

Channel Analytics

- The timezone on Table view has been fixed (R3M-20327).
- There was an issue when applying MIN/MAX aggregation on channels having null values. This has been fixed (R3M-20147).
- The Apply button was not clickable after changing the historic time. This issue has been fixed (R3M-20138).

Rules Manager

- The data sources linked to event templates could be wrong. The issue has been fixed (R3M-20260).
- The mathematical functions can now be used on boolean channels. Please look at the user guide for mode details (R3M-20181).
- The rules tester would not work if a template had live events. This has been fixed (R3M-20203).



Downloads

- Additional info can be asked when raising download requests. Please reach out to Trimble for more information (R3M-18999).

Other changes

- The Events table on Train Details is now paginated (R3M-19950).
- The speed on Cab View used to oscillate between the actual value and 0. This has been fixed (R3M-20148).



Fleet Summary

- The Live Events count could be wrong. The issue has been fixed (R3M-20134).

Map View

- Coupled units/locos are now displayed on Map View Historical mode (R3M-19418).

Event Analytics

- You can now easily search for the Top N results, sort data by minimum or maximum values, and limit the number of L2 results displayed. For detailed instructions and information on how to use these new functionalities, please refer to the user guide (R3M-19125).

Channel Analytics

- The asset list in Channel Analytics / Download / Event templates has been updated. It is now presented as a flat list, allowing the search for assets that are not currently available for service (R3M-19991).

Rules Manager

- The issue preventing the testing of unpublished event templates in previous versions has now been resolved (R3M-19779).



Other changes

- The current diagram (journey information) can now be displayed for customers who have this option enabled. Please reach out to Trimble directly if you'd like more information about this functionality (R3M-18872).
- Fleets can now be licensed to prevent view access as required (R3M-19832).



Other changes

- Channel aliases are now supported. They can be set during the onboarding process. Please contact Trimble for more information (R3M-19329).
- The issue of duplicate Event Template test results appearing when testing exactly the same asset and time period multiple times has now been resolved (R3M-19202).



Fleet Summary

- The Channel Groups that can be selected as filters will now change based on the fleet you are viewing (R3M-20042).
- The issue where some Channel Groups were displaying no channels upon expansion has now been resolved (R3M-19372).

Map View

- The trains "Bubble Aggregation" on the Map view is now configurable per customer, based on the zoom level (R3M-19636).

Channel Analytics

- The table will no longer be subject to constant resizing (R3M-20012).
- It is no longer needed to click Apply when switching from Graph View to Table View or vice versa, if the criteria have not changed (R3M-19970).
- The time displayed on mouseover for boolean graphs has been resolved. The time will now be shown in your local time (R3M-19583).

Rules Manager

- The variables Location, EventCategory, and EventPriority not populating correctly in emails sent by the rules engine have been fixed (R3M-19570).
- The issue preventing the testing of unpublished event templates in previous versions has now been resolved (R3M-19779).
- A customer setting will now determine how many seconds the asset location is retained. The system will now utilise the last known location when raising an event. (R3M-19901).



Configuration

- The issue preventing from creating geofences linked to a Point Of Interest has been fixed (R3M-19941).

Other changes

- The Events table on Train Details will no longer flicker when the data is being refreshed (R3M-20083).
- The Train ID (also known as Train Symbol) duplicates have been removed from the Event Panel filters (R3M-19062).
- The Consist table was flickering every few seconds. This has been fixed (R3M-19955).
- All the screens are now licensed with specific roles. Kindly refer to the user guide for more information (R3M-19944).



Fleet Summary

- It is now possible to configure different channel groups for each fleet (R3M-19631).

Event Analytics

- The issue that caused the Event to open incorrectly when clicking the Map View in Event Analytics has been resolved (R3M-19906).
- The priority was missing on the Events Popup for Reporting Only events. This issue has been fixed (R3M-19902).

Channel Analytics

- The assets are sorted alphabetically and numerically. This will be noticeable for assets combining text and number (R3M-19814).
- The behavior of the Apply button on Channel Analytics has been updated and now requires a click each time changes are made, whether to assets, channels, or the time selection (R3M-19522).

Rules Manager

- The number of event activations detected during rule testing was incorrect, it has been fixed (R3M-19831).
- Activation and retraction rules can be set for units within Fleets that transmit data at the vehicle level (R3M-19630).

Other changes

- The transmission status on Cab View has been implemented (R3M-19541).
- The Events Panel will no longer flicker when there is no events available (R3M-19956).



Channel Analytics

- Data gaps were sometimes not shown correctly. This issue has been fixed (R3M-19967).
- It is now possible to type in the date and time on the date & time picker (R3M-19528).
- The legend and booleans have been added to the PNG export (R3M-19608).
- The contextual menu when right-clicking a channel has been re-centered (R3M-19521).

Other changes

- Users can now comment live and retracted events (R3M-19740).
- The Events table will show retracted events by applying the corresponding filter (R3M-19913).
- Cab view is now available for all relevant vehicles (R3M-19357).

