

Real-Time SPC™ 7.7

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1. New Features in Real-Time SPC 7.7

- **Control Chart Calculation Optimization**
 - For control limit calculations that use data versus historical parameters, Real-Time SPC will now use a limited data window that the user defines based on the desired number of observations or subgroups. Then, the control limits will lock until a re-estimation of control limits is requested.
 - The data pane on the PQS gives details on the parameters used for calculations and improves the interface for editing historical parameters, selecting a range of process data, and previewing control limits based on the new parameters.
 - Improves the efficiency of the control limit calculations when calculating from recent data which improves the overall app performance.
- **Import Manufacturing Configurations**
 - Adds a way to import multiple new components (product, process, station, measures) via a Minitab Connect® data table. With automated component setup, you can also update existing components on a regular basis.
 - Provides considerable time savings from manual import.
- **Embedded Product Documentation**
 - Introduction of new online Help system. Real-Time SPC provides a link from the title bar to the main Help page and a link from the Import Log to documentation on the import errors and warnings.
 - Still provide a Getting Started guide as a pdf, which is more example-based on high level aspects of setting up and using Real-Time SPC.

2. Maintenance Items Completed in Real-Time SPC 7.7

- **Performance Enhancements**
- **Restrict all Real-Time SPC Flows**
 - Restrict all Real-Time SPC flows including purge observation, station auto-data collection flows, and daily summary flows within Minitab Connect to avoid potential out-of-sync states from what Real-Time SPC has stored.

3. Problems Resolved in Real-Time SPC 7.7

- Missing points on charts (186672)
- Multiple Custom SQL fields cause charting issues (186849)
- Access message not updating when creating a new company (230427)
- Station setup dropdown control contents not in alphanumeric order (225634)
- List Values with extra whitespace cannot be collected (229523)
- PQS: control chart should stay in view after clicking the gear button (220745)
- Defect Target and USL validation allowing non-numbers (219316)
- Manual data collection: null Stage for some measures (220620)
- Usability: lots of clicking for adding images to sampling plan instructions (222265)
- `e` in the continuous measure input box of data collection form (227692)
- Auto Import: Last Imported timer not always updating right away with new data (221778)
- Data Collection form input box issues (226797)
- Station Dashboard: Order of Defect/Defective Type tabs can change (224345)
- Company items with the same name can still be listed under the same folder with the move button (229118)
- Incorrect USL when editing all individual observations to null (227974)
- Station Dashboard: Comment Icon not removed for defect severity with multiple types (228868)
- Flow name should be updated when a station name was changed (227421)
- Spec or action limit line not drawn (232015)
- PQS: Switching from Index x-axis to Date/Time x-axis takes a long time for large amounts of data (224564)
- Auto Import (from view): Changing calculation method incorrectly removes some metadata from table (235636)
- No focus on Date/Time selector icon for keyboard navigation (235351)
- PQS exported worksheets: Item order does not match expected sequence (235658)
- Navigator causes "0" to show up on Date/Time x-axis (224010)
- Workflow Library: Duplicate button allows creation of components with identical names (229372)
- Descriptor List Value missing from dropdown after editing its name (229551)
- Descriptor List Values not archived in table after you delete them from source table (205132)

- No new records should be created for disabled measures (226934)
- Misaligned order causes inaccurate historic results on control charts (234059)
- The number of observations is incorrectly reset (237615)
- Auto-import from view that contains Custom SQL fields will pull an extra observation for the last subgroup (238993)