QIS 2017 R1 Highlights

Production Control

Where formal control over cleaning, start up, batch acceptance and sign-off at multiple levels is required, such as in FDA regulated industries, the new QIS Production 'Flow' Control features can be used to ensure procedures are followed in the correct sequence, documentation is presented in line with related actions and formal sign-offs can be included at any point to ensure subsequent actions cannot begin until stage approval.
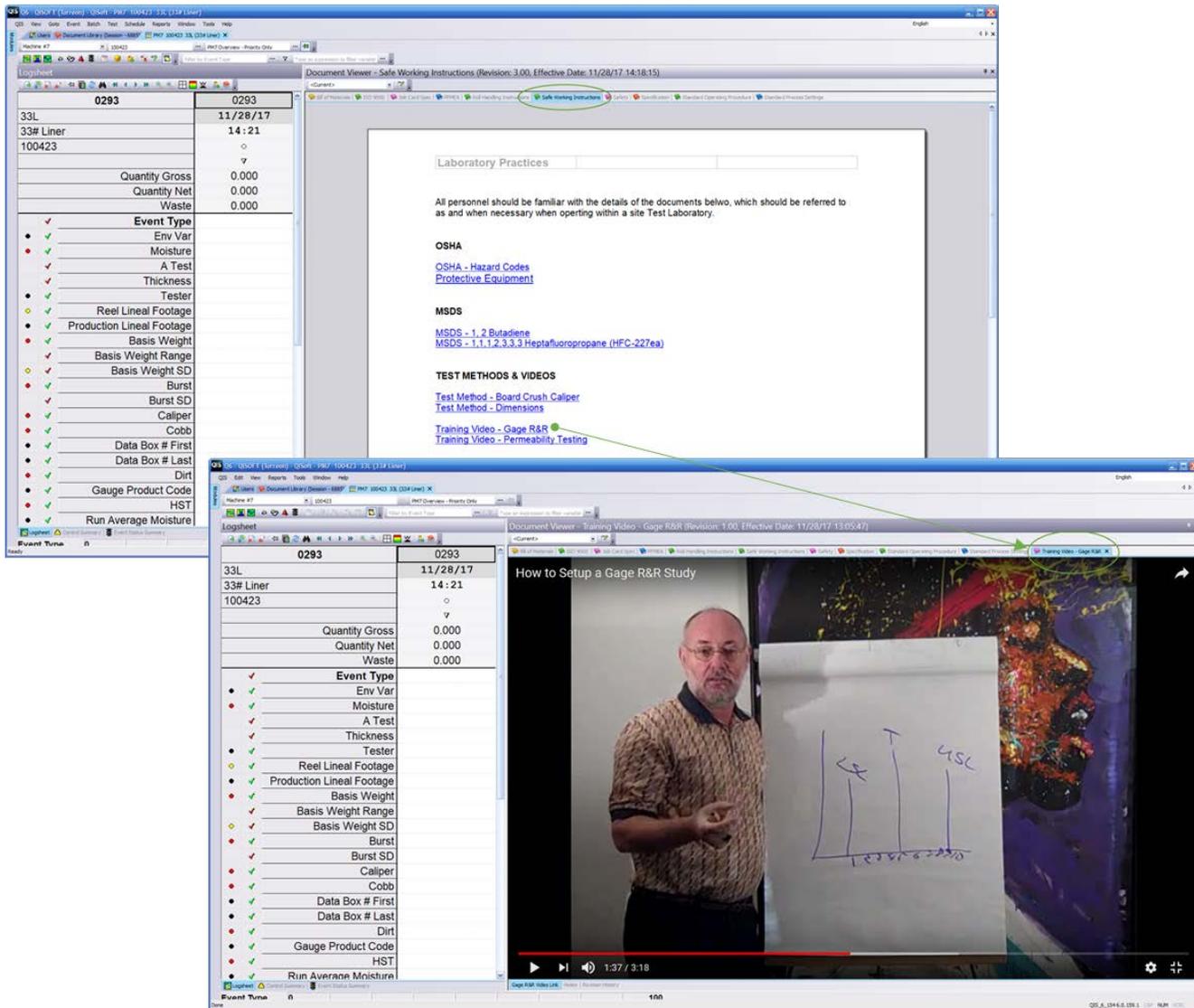

The basic requirements for a flow controlled production batch or run, is enforced Batch Start and Batch End procedures. In between, optional Batch Change and Shift Change procedures can be included if needed.

Through use of QIS Templates and nested Templates, the required sequence of all checks and tests can be built. The completion of each phase in this sequence can be subject to one or more authorised users sign off, configured using the new QIS Digital Signature variable type. The next phase cannot be started until the prior phase is completed.

Although based on the same core QIS Logsheet architecture, the interface for the control events utilizes a form based data entry, presenting operators with a formal step by step view with associated instructions or procedures to follow. This is all built using existing QIS objects: templates, event types, variables and others, thus ensuring complete flexibility and end user customisation.

Other related changes include the ability to:

- specify a default document type for a given template, which provides a link to the Document Viewer, to align the data entry form with the appropriate document

- connect a template to an event type, which provides for automatic template display selection in the QIS Logsheet, based on the Event's type (where used)

- use the Digital Signature variable type in any regular data entry need

Document Library – General Documents

Up until now, all documentation managed in the QIS Document Library had to be assigned to at least one Process or a Customer.

This 'General' section removes this restriction, allowing you to build a general library of documents, independent from specific production. This feature also provides for the ability to create multiple documents of the same type under one 'node', where the node has been typically the Product.

This makes it easy for adding and managing libraries of training materials, such as training videos per the example below, test methods, Material Safety Data Sheets etc. with the benefit of the QIS' full access control and version management.

To complement this feature, we have also added the ability to insert document links in to target documents, so that general documents can be referenced without being assigned. This also means that they will only be presented in the Document Viewer on demand.

OEE Updates

2017R1 includes the first stage of OEE updates with more planned for the next release. The updates included in this release focus mainly on the back-end changes in OEE calculations. We have removed OEE periods and OEE production accumulation focusing on calculating OEE on demand.

Real Time Display (RTD) Enhancements

There are several enhancements to the RTD such as the inclusion of additional specification items in the Logsheet columns display including: -

- Sample Size
- Sample Frequency
- Test Standard

Also included here now are the Variable Status and Test Schedule, making the display of both these items optional.

Event Status Summary

The Event Status Summary has been updated to include Event Variable status and Event Acceptance & Control status change history in a single layout, giving you instant access to understanding event status, its history and the items affecting it.

Event Combine Enhancements

The Event Combine feature allows for two individual QIS events to be merged into a single event. New options added in this QIS 2017 R1 Includes the ability to select both the gross and net quantities for the resulting combined event as well as Event Type, Shift and Tester.

Event Type Enhancements

The introduction of event types in QIS allowed for distinctly different data collection events within a single process. In 2017 R1 adds the ability to assign a default template to an event type, which results in the Logsheet displaying specific variables relevant to the individual event type selected. This presents operators with the variable list and data which matches the selected event type.

Event types can now also be "excluded from test schedule" which prevents events of certain types interfering with the main process test schedule.
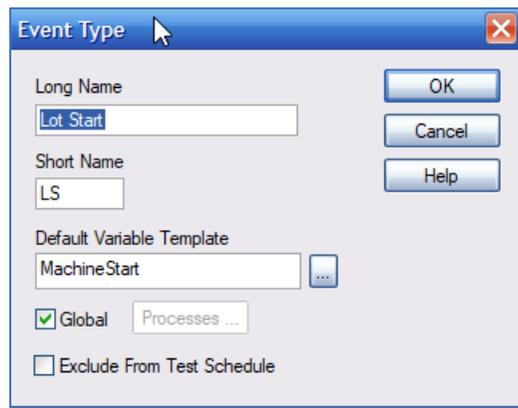
Audit Trail

QIS 2017 R1 includes improved handling of batch and event name changes with recording of the previous name, making investigation quicker and easier.

The examples below show the additional Notes field showing the changed values: