Summary
QMS Professional Version 10.06 is a multi-lingual, cross-industry computer-aided quality (CAQ) solution that complies with international quality standards, including DIN EN ISO 9000, ITAF 16949:2016, Q 101 and VDA 6.1. QMS Professional is a process-oriented, modular system that supports the closed-loop quality product lifecycle, managing complexities for planning, control and monitoring of processes and corporate quality.

Logon dialog: Display of plant name
When starting QMS Home, the plant name and the plant number are displayed, eliminating that task from the shop floor operator.

System settings/email: Authentication methods available for SMTP
The following authentication methods are possible in QMS Professional Version 10.06 for Simple Mail Transfer Protocol (SMTP):
- None
- Password/insecure transmission
- Password/encrypted
- KERBEROS
- NTLM
- OAuth2

Master data: Classifications
In QMS Professional Version 10.06, users can assign an identification (ID) for each classification, define classifications for each plant and use unique symbols for their classifications.

FMEA CS: Structure – Simpler operation with fewer mouse clicks
Enhanced structure tree context menus simplify the user experience. Directly generate subsystem elements or cut and paste structural elements.

FMEA CS: Visual characteristics available as inspection characteristics for functions
Visual inspection characteristics can now also be assigned to a function in the inspection characteristics window.

Additional features support existing customer base

Benefits
- Clear login and secure authentication
- Client server enhancements
- CALVIN optimizations
- Action portal optimizations
- FMEA Web connects to modern FMEA tools
- SPC Web offers basic functionality

Features
- Logon dialogue that displays plant name
- System settings/email offer authentication methods for SMTP
- Master data classifications
- FMEA CS: Structure - Simpler operation with fewer mouse clicks; Visual characteristics available as inspection characteristics for functions; form displays error causes on all levels
- IPM CS to IRC: Update test certificate templates after changes in group test plan

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What’s new in QMS Professional Version 10.06

Features continued
- IPM validator: Monitor the validity of released inspection plan revisions
- SPC CS: Assign inspection steps/inspection orders to user groups
- IRC CS: Preconfigure emails and text messages for test certificate sending
- CALVIN: Automatic spelling correction; assign clients to user groups and users; integrate CALVIN user rights into QMS user administration
- NetComs/CCM: Bit-coded CCM document transfer (Base64)
- Action portal
- Complaint processing for QMS users and external portal users
- TC FMEA: Master data enhancements; projects; notes on FMEA revisions; cover sheet
- FMEA Web: Search list optimization; FMEA revision and versioning; assign defects to a function; assign inspection characteristics to a function; assign requirements to a function; link same actions with different action groups; FMEA boundary diagram; automatic classification/assignment of rules in master data FMEA projects; error analysis/forms; creation of missing elements for acceptance of the measure in the LL process

FMEA CS: Form – displays errors causes on all levels
With the setting “cause of sub defects,” the user can display the cause of sub defects in the “possible defect cause(s)” column, in addition to the direct defect cause also the (sub)defect causes which lie in the structure below the direct defect cause.

IPM CS: IRC - Update test certificate templates after group inspection plan changes
The user that if a group inspection plan is changed, inspection certificate templates may also have to be changed. If a group inspection plan has been changed in the inspection plan module (IPM) after the release of the changed group inspection plan, the system asks whether the inspection certificate templates for the article and special inspection plans in which this group inspection plan is assigned should be updated in the inspection report control (IRC) module.

IPM validator: Monitoring the validity of released inspection plan revisions
In the inspection plan header, users can specify the period for which an inspection plan revision is valid. The IPM validator can check whether released inspection plan revisions are already valid or whether they are still valid.

If the validity period no longer matches, the release is withdrawn from this inspection plan revision. The system also checks whether another inspection plan revision contains a valid period. In this case, the other inspection plan revision is automatically released.

In addition, a distribution list can be automatically informed if an inspection plan has been withdrawn for release.

SPC CS: Assign inspection steps/inspection orders to user groups
Users can assign user groups, specific users for inspection orders or individual inspection steps in SPC inspections. This is an alternative to a station assignment, which has already proven itself in incoming and outgoing goods controls.

IRC CS: Preconfigurable email texts for inspection certificate sending
Email text for sending inspection certificates from IRC can be preconfigured in the text profiler. The following variables are available for this purpose:

<table>
<thead>
<tr>
<th>Variable</th>
<th>for the field contents from...</th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt;SZEUGNISNR&gt;</td>
<td>Certificate number in the tab order header</td>
</tr>
<tr>
<td>&lt;SPANR&gt;</td>
<td>Inspection order on the tab order header</td>
</tr>
<tr>
<td>&lt;SARTIKELNR&gt;</td>
<td>Article number in the tab order header</td>
</tr>
<tr>
<td>&lt;SUZKORNER&gt;</td>
<td>Order number (customer) in tab sales order</td>
</tr>
<tr>
<td>&lt;SUZUSINFO6&gt;</td>
<td>Additional text 6 in the tab additional info</td>
</tr>
</tbody>
</table>

![Prüfmerkmale](image)
Features continued

• Interface CCM to FMEA
• SPC Web: Check entered measured values for plausibility; usage decision for samples of individual parts after “not ok” test result; Inspection plan-related display of last recorded values

CALVIN: Automatic spelling correction
With case sensitive databases, data entry with incorrect spelling is problematic. Therefore, CALVIN performs an automatic correction during input.

CALVIN: Subsequent assignment of clients to user groups and users:
Clients that have already been created can also be assigned to user groups and users later using the <Client assignment> function.

CALVIN: Integration of CALVIN user rights into QMS user administration
The CALVIN user administration is fully integrated into the QMS Professional user administration. The CALVIN user administration and the QMS user administration use the same tables. This means that user rights can be configured from both the CALVIN side and the QMS side.

NetComS/CCM: Bit-coded transfer of documents (Base64) for CCM
For complaints (head or actions) users can transmit bit-coded (64 bit) documents. A new system profile switch is available for this purpose: CCM.XML_EXPORT_DOCUMENTS_BASE64 = 1

Action portal: Complaint processing for QMS users and external portal users
New portal statuses are added for processing vendor complaints in the action portal to distinguish whether the complaint has been rejected, removed, or closed. A workflow with a plausibility check prevents invalid combinations from being used when complaints are closed.

Action portal: Complaint processing for external portal users
It is now possible to display all complaints regardless of portal status. Depending on the setting, this is possible for completed complaints as well as rejected or removed complaints.
TC FMEA: Master data enhancements
The master data was extended by Teamcenter® Failure Mode and Effect Analysis (TC FMEA).

TC FMEA: Projects
FMEA projects are available for use with TC FMEA.

TC FMEA: Notes on FMEA revisions
Old FMEA revisions cannot be accessed. To document older FMEA statuses, print the status “x” in a PDF file and automatically attach it to the FMEA’s electronic staple. The individual revision statuses are then documented for later viewing.

TC FMEA cover sheet
A customer cannot receive access to every detail of an FMEA. This would jeopardize sensitive information that a supplier could leverage. It is possible to create a form that only gives an overview of the systems and processes covered.

FMEA Web: Search list optimization
The FMEA search list features a drop-down menu for selection criteria. Additional functions for saving and exporting the search and search results are available.

FMEA Web: FMEA revision and versioning
When creating and editing FMEAs, changes can be made that require an increase in the revision or version status. A revision describes the unchangeable image of a revision status that was stored in the system at a certain point in time. A version describes the processing progress of the respective task within a revision.

Revision and version numbers are displayed in n and/or xx format, where n = revision number and xx = version number. It is possible to create new revisions and new versions.

FMEA Web: Assign defects to a function
There are various ways to assign defects or failures to a function. In the detailed variant, the defect code and defect description are entered via an input window.

To give users greater flexibility in defect assignment, the existing defect detail window has been extended by the field <Defect Code> (<Error Code>).

FMEA Web: Assign inspection characteristics to a function
The functions within an FMEA can be assigned variable, attributive and visual inspection characteristics in addition to the defects.

FMEA Web: Assign requirements to a function
In addition to defects and inspection characteristics, requirements can also be assigned to the functions within an FMEA.

FMEA Web: FMEA Boundary Diagram
An FMEA Boundary Diagram represents all interfaces of a system. It is the sensible introduction to an FMEA because the functions of a system (including malfunctions) are realized at the interfaces. With the Boundary Diagram, existing systems can be abstracted, or a system idea concretized.

FMEA Web: Automatic classification/assignment of rules in master data
FMEA projects
Automatically assign the classification in the form, dependent upon current values for severity, occurrence and detection.

FMEA Web: Error analysis/forms
The failure analysis is performed based on the failure network. A failure analysis is based on the meaningful structuring of the failures in the failure causes, failures and failure sequences levels. The possible failure cause within the hierarchy is always below the possible failure; the possible failure sequence above the failure.

FMEA Web: Creation of missing elements for acceptance of the measure in the lessons learned process
If a measure is accepted and implemented in the lessons learned process, missing elements (errors, causes, measure groups, measures) can be automatically integrated into the system structure.

SPC Web: Check entered measured values for plausibility
For variable characteristics, plausibility limits can be specified in addition to tolerance limits. If a measured value exceeds or falls below the specified plausibility limit, the inspector receives a message when recording that the value entered cannot be plausible. The inspector must then decide whether to accept the measured value (<Yes>) or not (<No>).
SPC Web: Usage decision for samples of individual parts after ‘not ok’ test result
Users can specify if an inspector is to make a usage decision (disposition) during a “not ok” ok inspection. A new system profiler switch has been made available for this purpose.

SPC Web: Inspection plan-related display of last recorded values
Users can define what to display for the single value chart and the control chart.

Display in the single value chart
- Inspection order-related display of the measured values. This means that only the values that were entered for the current inspection order are displayed
- Inspection plan-related display of measured values. This means that the recorded measured values for the last (n) random samples or number of sample sizes from different inspection orders that have the same inspection plan and are assigned to the same machine (with the same nest) are displayed for all inspection orders.

Display in the control chart
- Inspection order-related display of the sample values. This means that only those values that have been entered for the current inspection order (maximum the last 25) are displayed.
- Inspection plan-related display of sample values. This means that the values from the last (n) samples from different inspection orders that have the same inspection plan and are assigned to the same machine (with the same nest) are displayed for all inspection orders.