

# **TestLab Plus 025 Options QM Relevant Functions**

For TestLab Plus 025 Start Package and applications based on it - to support the ISO/IEC 17025



#### Content

Possible Modules for extending the TestLab Plus 025 Application

- Integrated Quality Management System
- Competence Matrix and Qualification Certificates
- Supplier Assessments
- Q-Activities
- Customer Satisfaction Surveys
- Controlled Documents
- Risk Assessment
- DS-GVO Related Functions



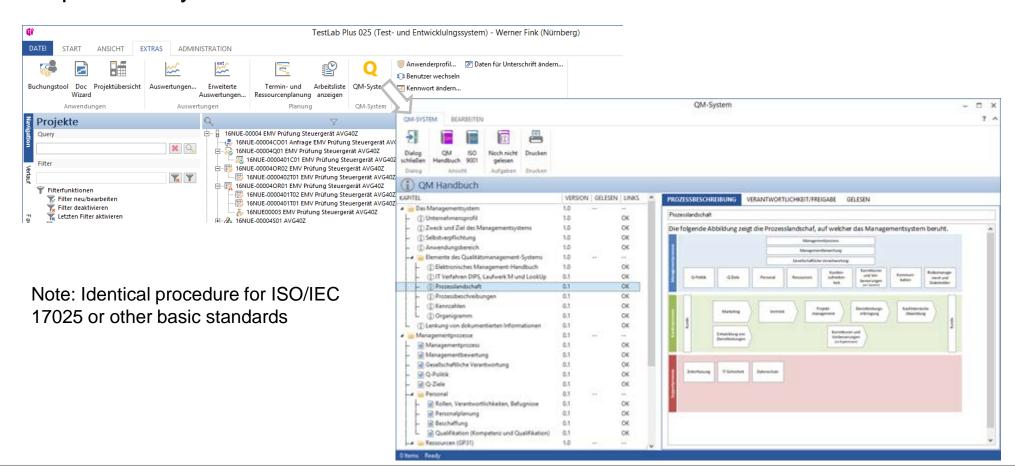
What is so special about it?

#### Living in a QM system instead of living with a QM system

- Purely electronic representation of the QM Manual (without paper printout e.g. before audit but possible).
- Illustration of the basic standard with reference to the chapters in the manual and check for completeness of the implementation. Very easy traceability of the implementation for the organization itself and for audits.
- Simple electronic approval at chapter level.
- Training with verification at chapter level possible.
- Direct link to the elements of the application instead of an extensive description (link to the structure display with or without filter, link to individual objects, link to evaluations with. e.g. key figures).

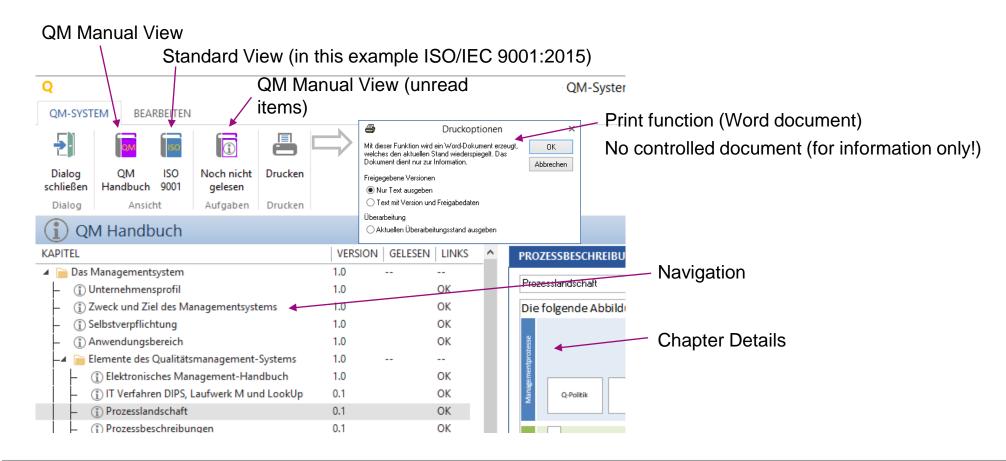


Example: QM System with QM Manual based on ISO/IEC 9001:2015



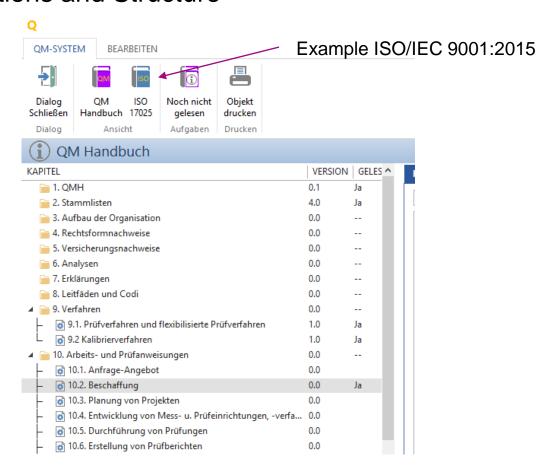


#### **Functions and Structure**



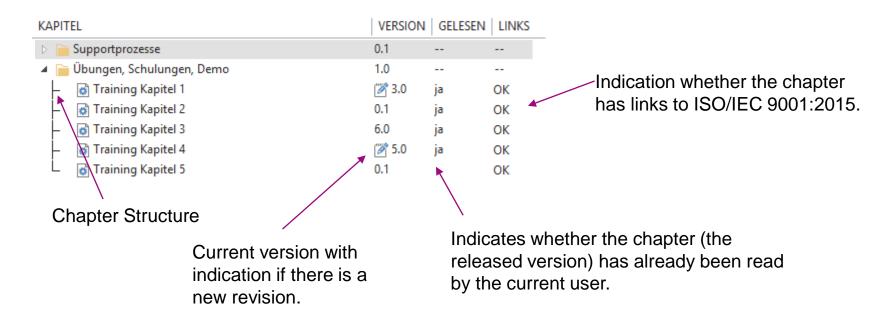


## Integrated Quality Management System Functions and Structure



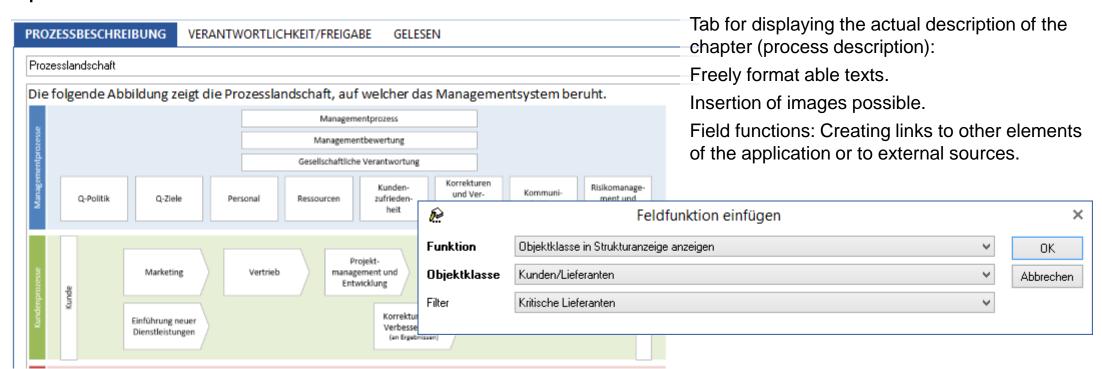


#### Navigation in QM Manual





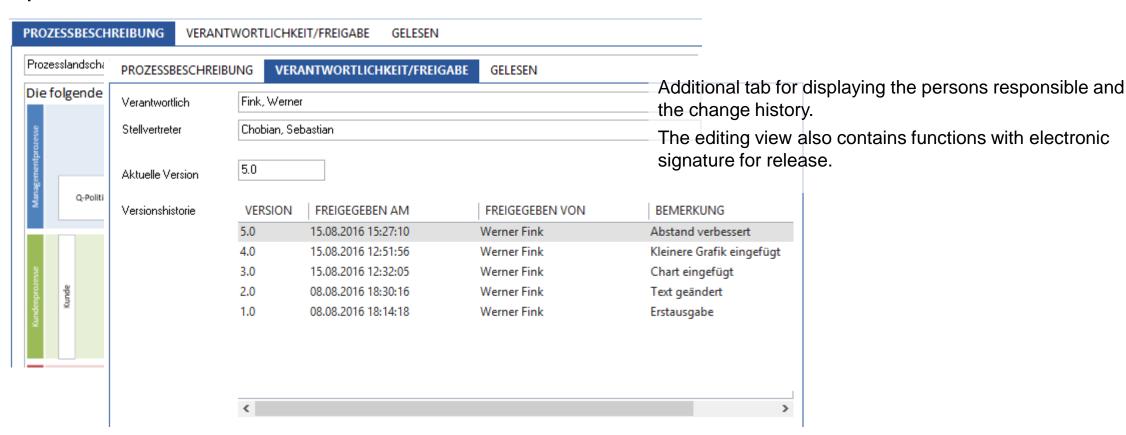
## Integrated Quality Management System Chapters of QM Manual



This link function is unique and allows direct access to the system without having to explain it.

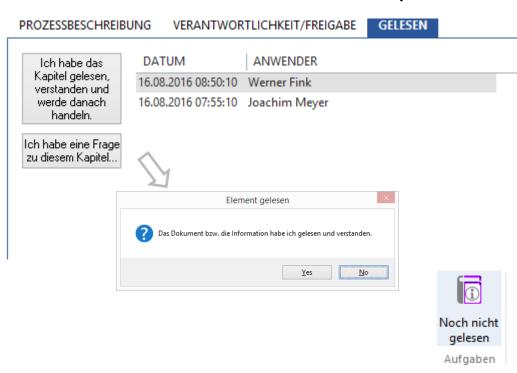


## Integrated Quality Management System Chapters of QM Manual





#### Read, Understand and Confirm Chapters



A prerequisite for the effectiveness of the QM System is that every employee knows, understands and applies the regulations of the QM Manual.

Each chapter of the QM Manual must therefore be verifiably read and understood.

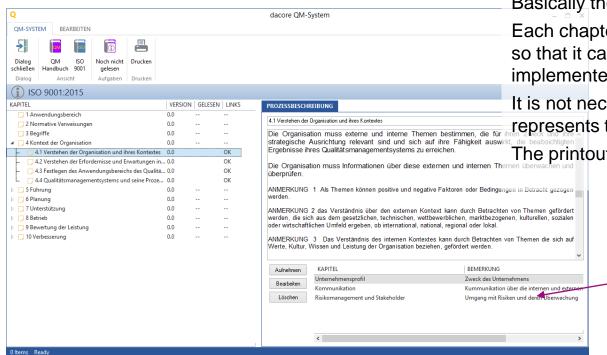
This is confirmed by a corresponding function.

A separate view for unread chapters simplifies this process.

Any ambiguities or questions can be reported to the designated person in charge or deputy, and concrete change requests can be entered as improvements.



Standard View (Example ISO/IEC 9001:2015)



Basically the same view as in the QM Manual.

Each chapter of the standards has at least one link to the QM Manual, so that it can be understood how the respective requirements are implemented.

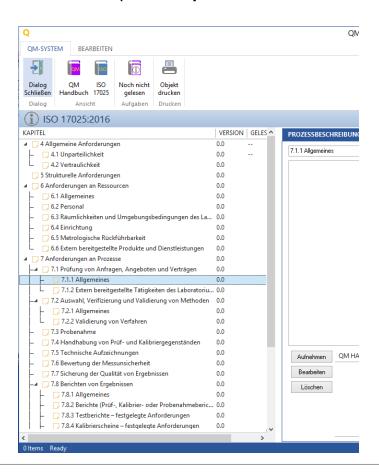
It is not necessary to read the standards chapters, as the QM Manual represents the dacore specific implementation.

The printout essentially contains the links, as this is relevant for audits.

References to the QM Manual with comments on implementation



Standard View (Example ISO/IEC 17025:2016)



Same functions as before with ISO/IEC 9001:2015.

Here, too, each chapter of the standards has at least one link to the QM Manual, so that it is possible to trace how the respective requirements are implemented.

It is not necessary to read the standards chapters, as the QM Manual represents the integrated implementation.

The printout essentially contains the links, as this is relevant for audits.

The references to the QM Manual with comments on the implementation are also available here.



#### Further Possibilities

#### **Functions already integrated in the Starter Package**

- Mapping of management reviews and internal reviews in the form of work packages (tests) with corresponding test templates.
- Use of Q-Activities for the documented processing of tasks (with links to the reviews and audits, but also external documents).

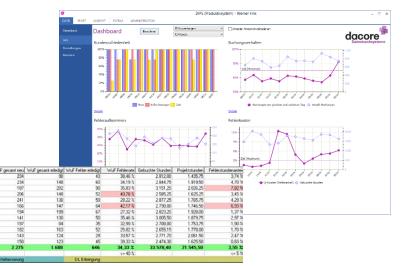
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Use of the extended evaluation to calculate and display key figures (configuration required).

#### ... and many extensions are possible

- Graphical representation of the most important key figures in a dashboard.
- Enhanced tabular display of key figures with process assignment.
- Qualification matrix.
- and much more.





### Competence Matrix and Qualification Certificates

The Principle

- Principle of a competence matrix
- Further accompanying topics
  - training plan
  - training certificates
- Related Topics
  - Witness Tests
  - Interlaboratory Tests

Lab Area	Test Type Test E	Test Equipment					
							/
Mechanical testing		Person 1	Person 2	Person 3	Person 4	Person	
Tensile Tests	Tensile testing machine Zwick 50kN	х	0	х			
Tensile Tests	Tensile testing machine TIRA	х	0	х			
Tensile Tests	Tensile testing machine Zwick 600 kl	۷ x	0	х			$\overline{}$
Hardness Tests	Vickers hardness tester	х	-	-			
Hysteresis	Remagraph, Dr. Steingroever	х	х	- ,			
Roundness measurement	Mahr MMQ 400	-	х	x			
Coercivity field strength	Foerster Koerzimat	-	х	х			

Metallography		Person 8	Person 9	:		
Degree of purity	Microscope	х	-			
Grain size analysis	Microscope	Х	-			
Microstructure analysis	Microscope	х	-			
Microstructural constituents	Microscope	Х	-			

Associates of Lab Area

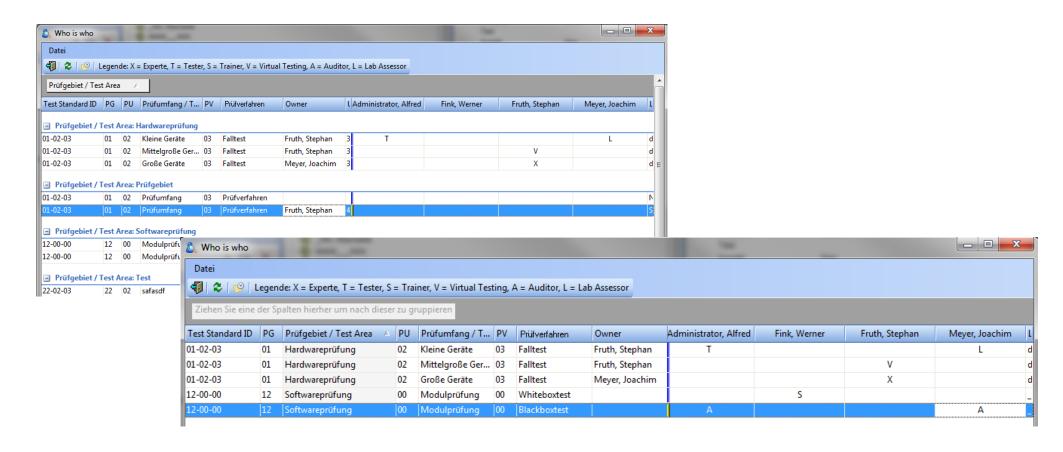
Qualification

- x Expert
- o Qualification in planning
- Qualification not intended



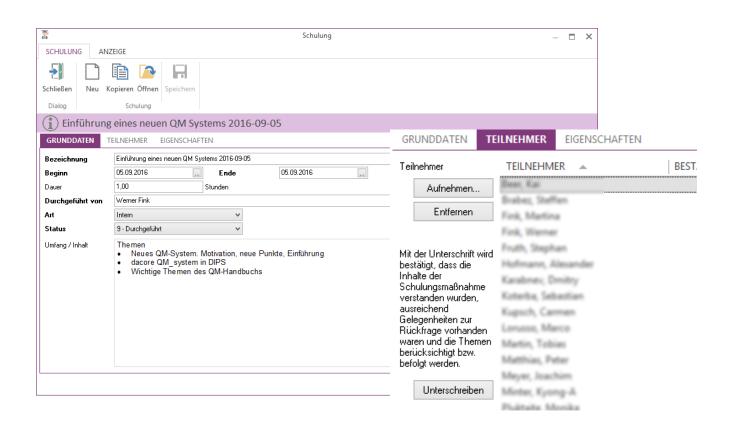
## Competence Matrix and Qualification Certificates

Implementation example Competence Matrix





## Competence Matrix and Qualification Certificates Implementation example Training Certificate

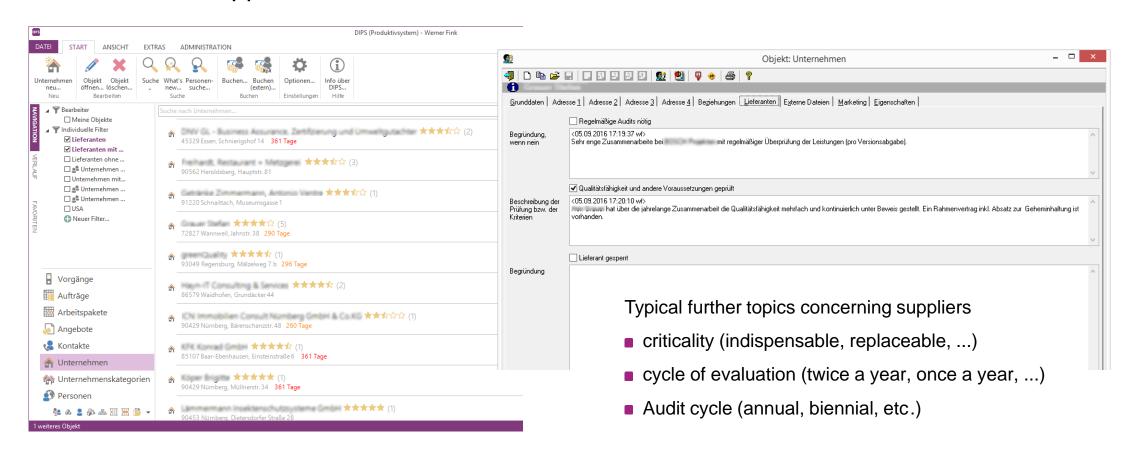


- Mapping of internal and external training measures (or self-study)
- Assignment of training materials
- Electronic signature of the participants
- Training planning



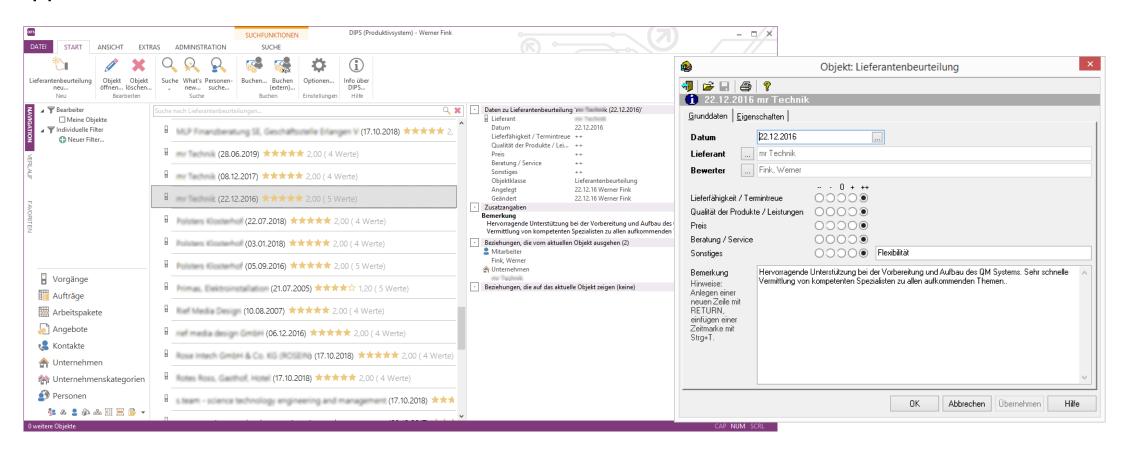
### Supplier Assessment

Classification of Suppliers and Overview of Assessments





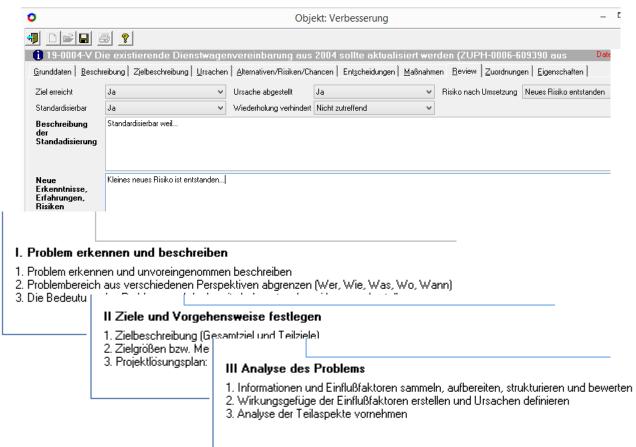
## Supplier Assessment in Detail





#### **Q-Activities**

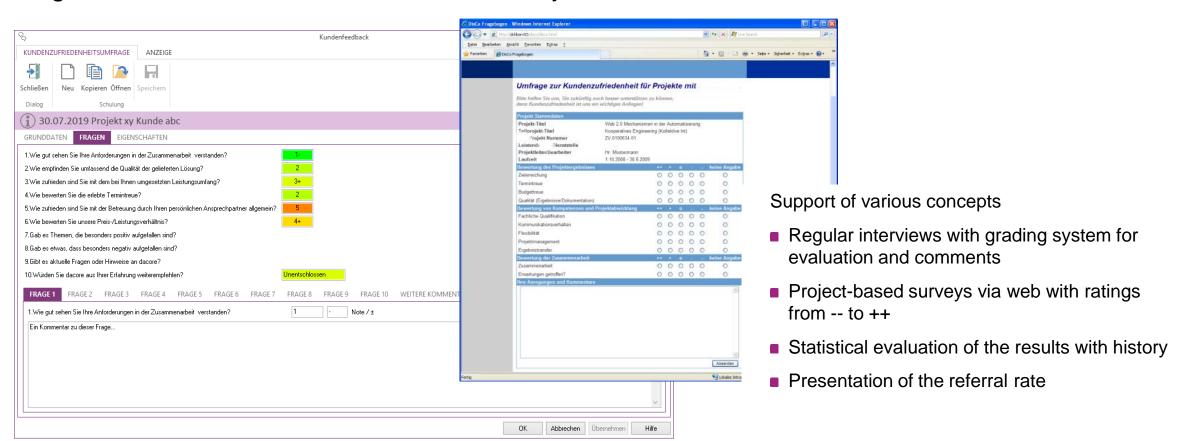
#### Traceable processing of Improvements, Complaints, Ideas



- Description of the measure with evaluation of the benefits, definition of responsibilities
- Description of the objective, analysis of the problem, description of alternative solutions and/or risks
- Documentation of the decision including electronic signature
- Documentation of the implementation including electronic signature
- Review after completion of the measure (goal achieved, standardizable, cause eliminated, repetition prevented, assessment of any new risks that may arise)
- Assignment of all elements of the system with characterization (cause of error, effect, ...)



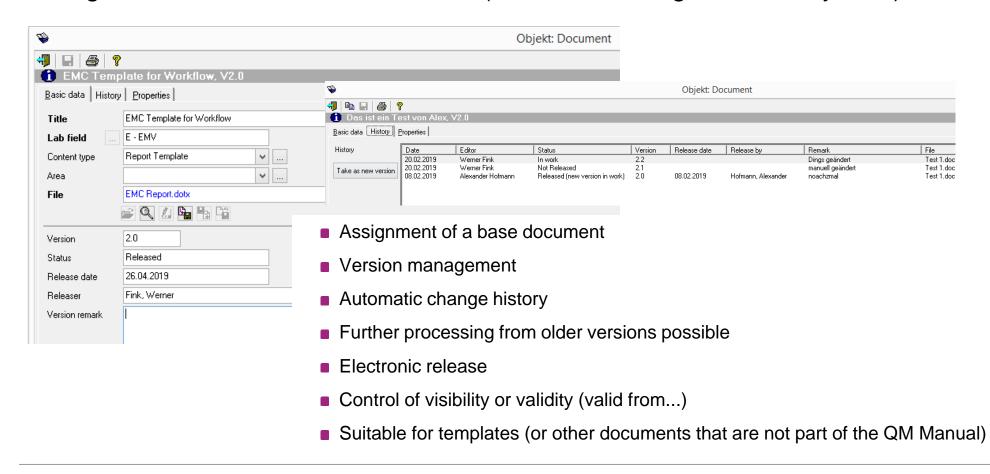
## Customer Satisfaction Surveys Integration of the Customer Satisfaction Surveys





#### **Controlled Documents**

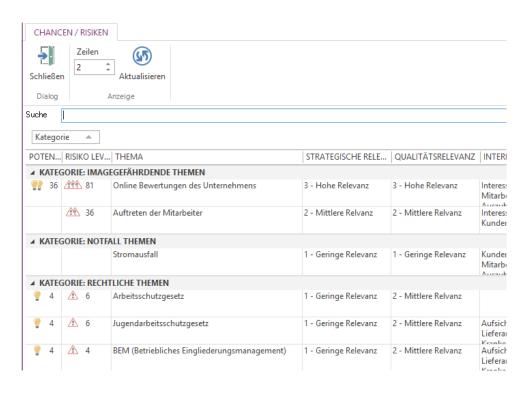
Management of Controlled Documents (outside the integrated QM System)





#### Risk Assessment

#### Consideration of Opportunities and Risks of External and Internal Topics



Definition and regular evaluation of relevant topics

- Identification of interested parties and their expectations
- Definition of responsibilities
- Definition of strategic relevance
- Determination of the quality relevance
- Description of the opportunity and possible activities
- Determination of the probability of realization and the benefit
- Description of the risk and the more correct or preventive measures

**SCHWERE** 

3 - Hohe Auswi

3 - Hohe Auswi

I - Geringe Aus

l - Geringe Aus

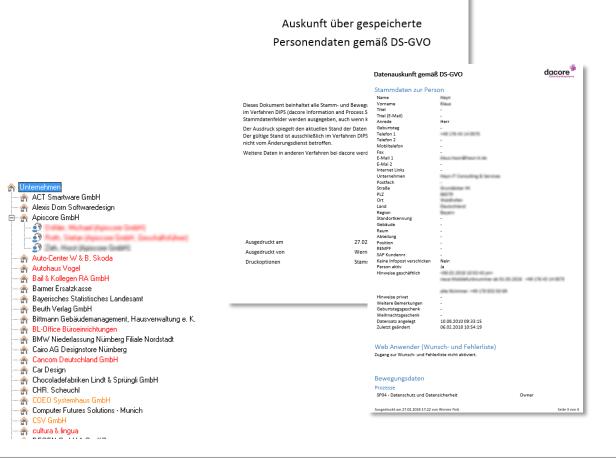
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- Determination of the probability of occurrence and severity
- Regular evaluation with history and automatic monitoring
- Links to QM System chapters, to training measures, Q-Activities, etc.



## DS-GVO Information Function No direct QM Topic but still relevant

- Privacy by design
- Privacy by default
- Functions for the duty of disclosure
- Anonymization
- Automatic deletion concepts
- Indicators for data timeliness
- Secure connection to the database



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