



Task based QMS Framework

by

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Company Profile

- ImQuSo - IMproved QUality Solutions is private company founded in 2008 by Peter van de Kerkhof.
- The company focus is on quality assurance and process improvement for projects related to software.
- Main focus is: To bring IMproved QUality SOLutions on the development floor.



Why a Task Based QMS Framework?

- Fix common complaints on existing QMS'es:
 - Too many documents.
 - Too much text in a document (experienced users).
 - Not enough text (for novice users).
 - Document and templates are hard to find.
 - Must read whole document.
 - No role related information.
 - Applicable for all project types.
 - No relation with norms, standards, etc.
 - Hard to make (travel) copies.
 - Hard to 'manage' uncontrolled copies.

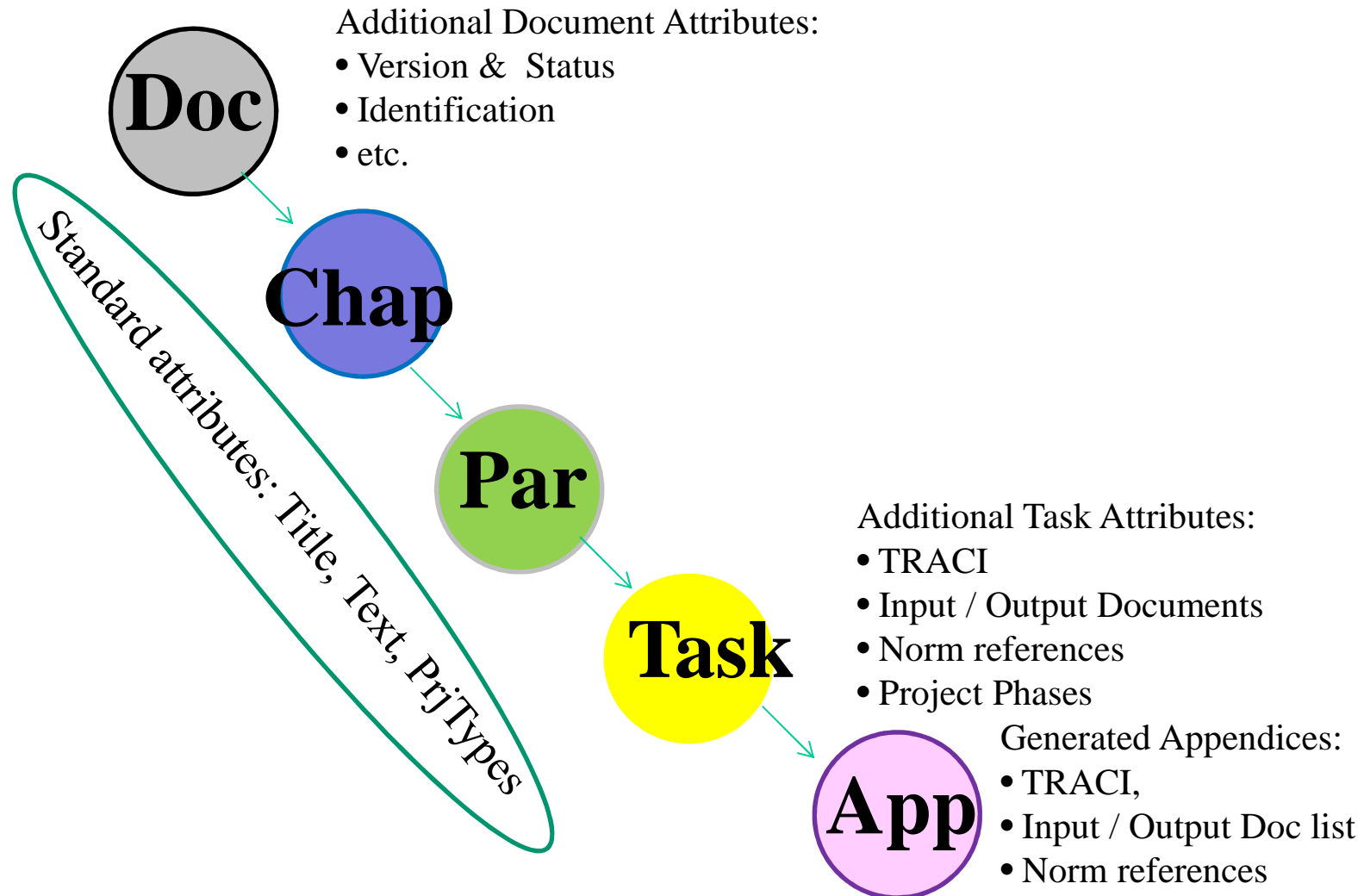


What are the solutions?

- Different texts for different reader skill levels.
- Make documents project type specific.
- Make the document content project type specific.
- Link document information to roles.
- Manage content via a web application



TbQMS Document setup





TbQMS Demonstration

- You are about to see a demonstration of the TbQMS with the following limitations:
 - No full-fledged QMS.
Only software development!
 - Reference to docs, norm, project types, project phases may not be correct or consistent.
 - Ignore spelling / grammatical errors

The intention is to show the possibilities of the framework and not the quality demo QMS!

You can try it self at: www.imquso.nl/TbQMS



TbQMS extras

- Automatic linking to other QMS documents and templates.
- ‘Where Used’ available for:
 - Quality Records (in/output documents).
 - Roles in project types and project phases.
 - Internal QMS document references.
- Cross references between different norms.
- Project type, phase based deliverable list.
- Phase entry and exit deliverable checklist.
- Application version checks.



Frontend and Backend

- User frontend as seen in the demo!
- Maintenance Backend:
 - QMS document are converted to ‘document source files’.
 - An initialization function is used to create the database tables and fills the ‘lookup’ tables.
 - A generator is used to fill the database based on the content of the ‘document source files’.
 - ‘Document source file’ data checking is built-in.



Advantages Backend approach

- No 'large' data entry backend needed.
- The framework & data sources can be transferred and regenerated on any system at any time.
- 'Document source files' can be stored in a different version control archive than the framework.
- Version control of the 'init & document source files' implies version control of the QMS data
- The framework can work with different databases (QMS baselines)
- Maintenance of old QMS baselines is easy!

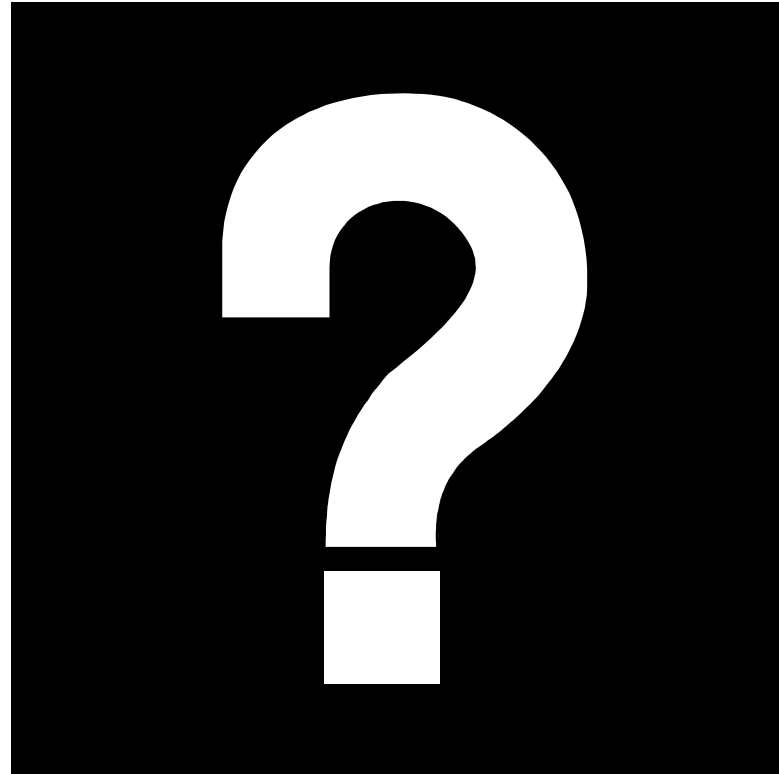


Future Enhancements

- Better overview of project type, project phase and skill level text diversity per document?
- Task flowchart generation.
- *Add department / Discipline information.*
- *QMS Documents to PDF output .*



Questions?





Contact Information

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