

Expert FSIE™ Quality

STATUS: DRAFT

Please read the Expert FSIE™ generic description beforehand:
http://www.fsie.ch/downloads/S1_FSIE_Uebersicht.pdf

The IT Quality Specialization

The **Expert FSIE™ Quality** strives for efficient and reliable processes in development and operation of IT Systems, for continuous improvement of the processes and IT Systems, and conformance to internal and external standards. He/she develops policies and quality management systems (QMS), checks their effectiveness and devises corrective and preventive measures.

Validated core competencies

- Understand business strategy, IT strategy and enterprise quality policy to define quality governance objectives and procedures
- Understand standard requirements on quality
- Engineer IT system development processes and their management
- Engineer IT system reviewing and testing processes and their management
- Engineer IT system operation processes and their management
- Develop quality management systems based on current standards and aligned to company objectives
- Audit and review effectiveness of processes
- Cooperation and collaboration with the security team or security expert for the holistic view and design of a “quality and security minded” ICT-Framework.
- Define process and IT system quality indicators and setup their monitoring
- Establish and operate a continuous improvement process
- Report process and IT systems quality to all management levels
- Report quality management system effectiveness to top management

Recognized advanced educations and certificates

ASQ Certified Software Quality Engineer
ASQ Six Sigma Yellow / Green / Black Belt

Kommentiert [SM1]: This is now not at all a project QM profile but just the IT QM at the organization/operations level. I'd prefer to include also the project QM profile.

Kommentiert [SM2]: Could the 12 be condensed to 9 or max. 10?

Kommentiert [SM3]: So, the Expert Quality engineers the testing processes but has no advanced education (as per the recognized certificates list) or required experience in testing.

IMHO sound testing at all levels (unit/automated, e2e/integrated, user/acceptance) is (besides all Q efforts before) still a core pillar of IT quality.

I'd prefer to have our Expert Quality to possess testing competence as a core competence. Else, he/she IMHO lacks a bit the credibility as a testing processes engineer.

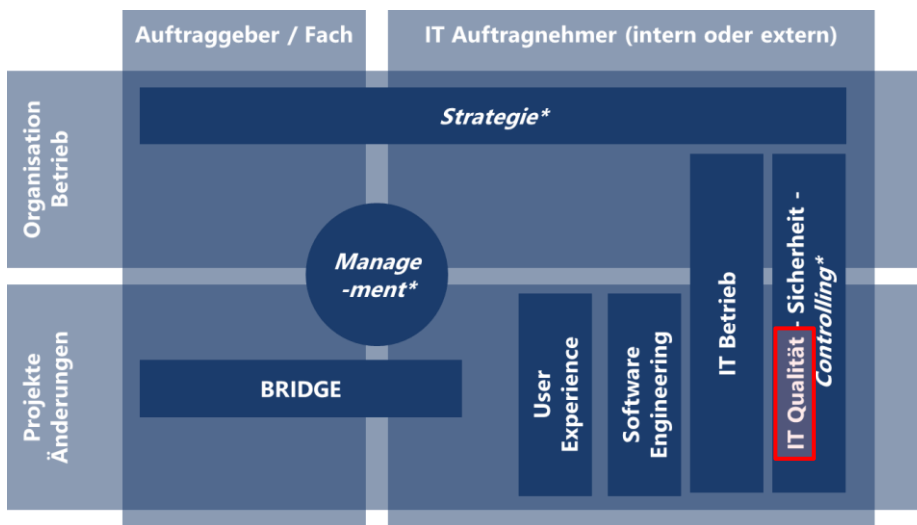
Kommentiert [SM4]: Anyone knows CAS, MAS DAS?

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EOQ / SAQ Quality System Manager
EOQ / SAQ Quality Manager
EOQ / SAQ Quality Professional
EOQ / SAQ TQM Leader
SAQ Excellence Leader
SAQ Prozess Manager
SAQ Qualitäts-Assistent
SAQ Quality System Organisator
SAQ Quality System Auditor
SAQ Quality Lead Auditor

The role of Experts FSIE™ Quality

The Expert FSIE™ Quality enables and supports all other parts of the IT delivery model.



Quality job titles (swissICT/GRI job profiles)

- ICT-Qualitätsmanager
- Software-Ingenieur (Quality)
- System-Ingenieur (Quality)
- ICT-Architekt (Quality)
- **Prozess-Manager**
- **Unternehmensorganisator**

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- Organisations-Manager

Becoming a Quality expert

1. Candidate applies for becoming an Expert FSIE™ Quality and pays the application fee of 190.- (which is recognized as the first year FSIE membership fee, if the examination is passed)
 - a. FSIE checks that the basic Expert FSIE™ requirements as explained in http://www.fsie.ch/downloads/S1_FSIE_Uebersicht.pdf are fulfilled
 - b. FSIE checks that the candidate possesses one or more of the certificates or advanced educations listed in the respective section of this Security flyer
 - c. FSIE checks the referenced **\$\$ Ff: Heisst es, dass Referenzen geliefert werden müssen? SMO: YES \$\$** list of practice records that demonstrate the candidate's least 3 years FTE experience in quality roles.
 - d. FSIE notifies the candidate whether he / she may proceed with step 2 or needs to complete the records or stop the application.
2. Candidate continues the Expert FSIE™ Quality certification process by paying the certification fee of 1'200.- (promotional / introductory fee of 840.- for application in 2018)
 - a. Candidate hands-in a case study according to the FSIE template.
 - b. The case study will be inspected by an anonymized assessment of the FSIE Quality specialisation committee.
 - c. Candidate joins an oral hour assessment (approx.. 1 hour duration) by 2 members of the FSIE Quality specialisation committee
 - d. The FSIE Quality specialisation committee decides awards or rejects the certificate based on

Kommentiert [SM5]: Bei diesen Berufsbildern bin ich nicht sicher, ob das unser Zielpublikum ist. Aber eventuell. Alle unsere Experts FSIE Quality haben eine IT-Tertiärausbildung bzw. -Kompetenzlevel und mal 2 Jahre mindestens in „technischen“ IT Delivery-Rollen gearbeitet ... Die Frage ist, ob wir alle Berufsbilder listen, die möglicherweise in Frage kommen oder eher so präzise wie möglich nur wenige passende.

Staying a Quality expert and developing

An Expert FSIE™ Quality needs to renew his / her certificate every 3 years according to the following procedure.

1. Candidate applies for renewing his / her Expert FSIE™ Quality. For FSIE members is this application free (covered by the yearly membership fee of 190.- CHF) Non-members pay a fee of 500.- CHF.
 - a. FSIE checks the candidate's referenced list of practice records that demonstrate at least an average of 40% FTE experience in quality roles in the past 3 years.
 - b. FSIE checks whether the candidate attended an average of 3 entire days continuing education in quality per year at events in Switzerland and abroad recommended by FSIE.
2. FSIE supports its members in keeping they experience up-to-date by

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- a. Organising or co-organising at least 1 quality experts community event (“Tagung” or “Seminar”) every 2 years.
- b. Provides a list of recommended educational institutions and their events.
- c. Makes available a lessons learned and empirical database for estimation and benchmarking tasks.