

Paper - EU and China Quality Bridge: A Roadmap of International Norms and INTACS and ASQMS

Cross-standard mapping results of the QMBB Working Group and SoQrates – RESEARCH ANALYSIS

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on behalf of the QMBB Working Group



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<https://conference.eurospi.net/index.php/en/>

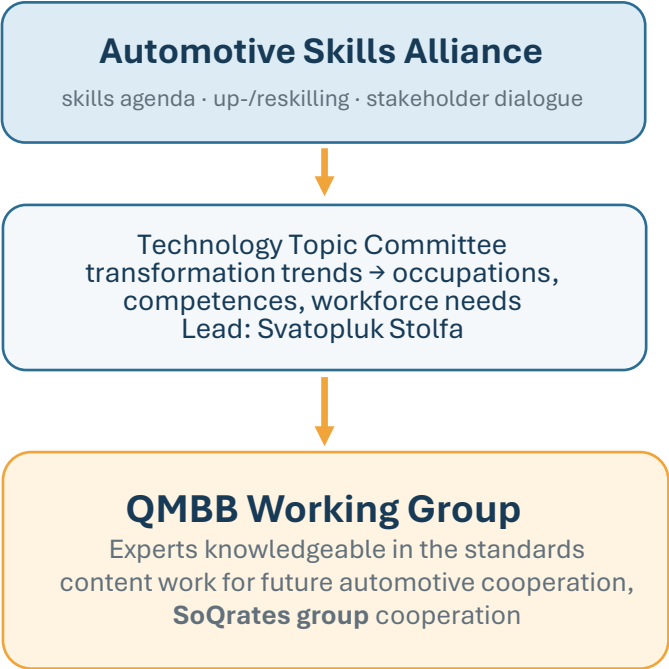
QMBB as an ASA Technology Topic Committee activity



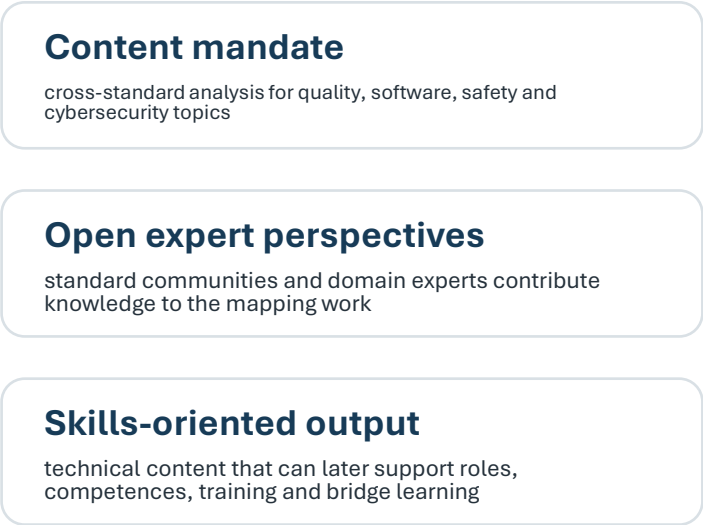
ASA and SoQrates - research content-focused working group supporting future automotive skills.

QMBB develops technical cross-standard understanding as input for future skills, roles, training and cooperation.

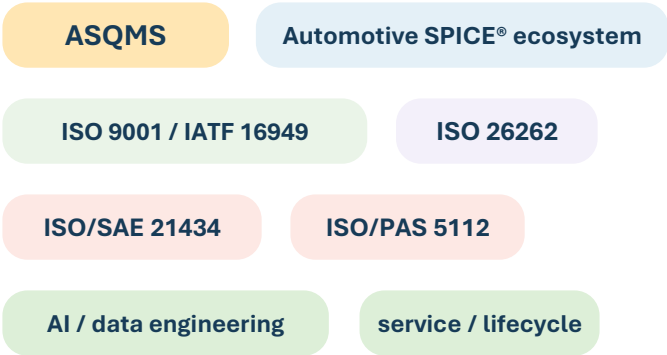
ASA framework



Working principle



Considered technical perspectives



Purpose

A group of knowledgeable experts that analyzed the existing norms to have a joint view for the future automotive skills and cooperation.

Bottom line: QMBB provides research technical content for the ASA skills agenda; participating organizations contribute expertise to the working group.

Why the problem exists

Industry does not apply one standard at a time.

One automotive project



ISO 9001 / IATF

ASQMS

ISO/PAS 5112

Automotive SPICE

ISO/SAE 21434

ISO 26262

Different structures

clauses · processes · practices ·
audit questions

Different scope

organization · project · product ·
lifecycle

Different terminology

same term may mean different
evidence

Different assurance logic

audit · assessment · safety/security
case

The challenge is not “which standard is better”. The challenge is how to read their contributions together without creating false equivalence.



QMBB in context — and what we produced

From skills ecosystem to a technical mapping artifact.

TRIEME



TRiEME

DIGITAL & GREEN SKILLS TOWARDS FUTURE OF THE MOBILITY ECOSYSTEM

EU Blueprint project for future mobility skills

41

detailed cross-standard topics

ASA



AUTOMOTIVE SKILLS ALLIANCE

Automotive Skills Alliance umbrella

7 + All

industrial use-case views

QMBB



expert working group quality bridge

1

shared reference process landscape

Reference Process Landscape

Process / Work-Product Mapping

Detailed Norm Matrix

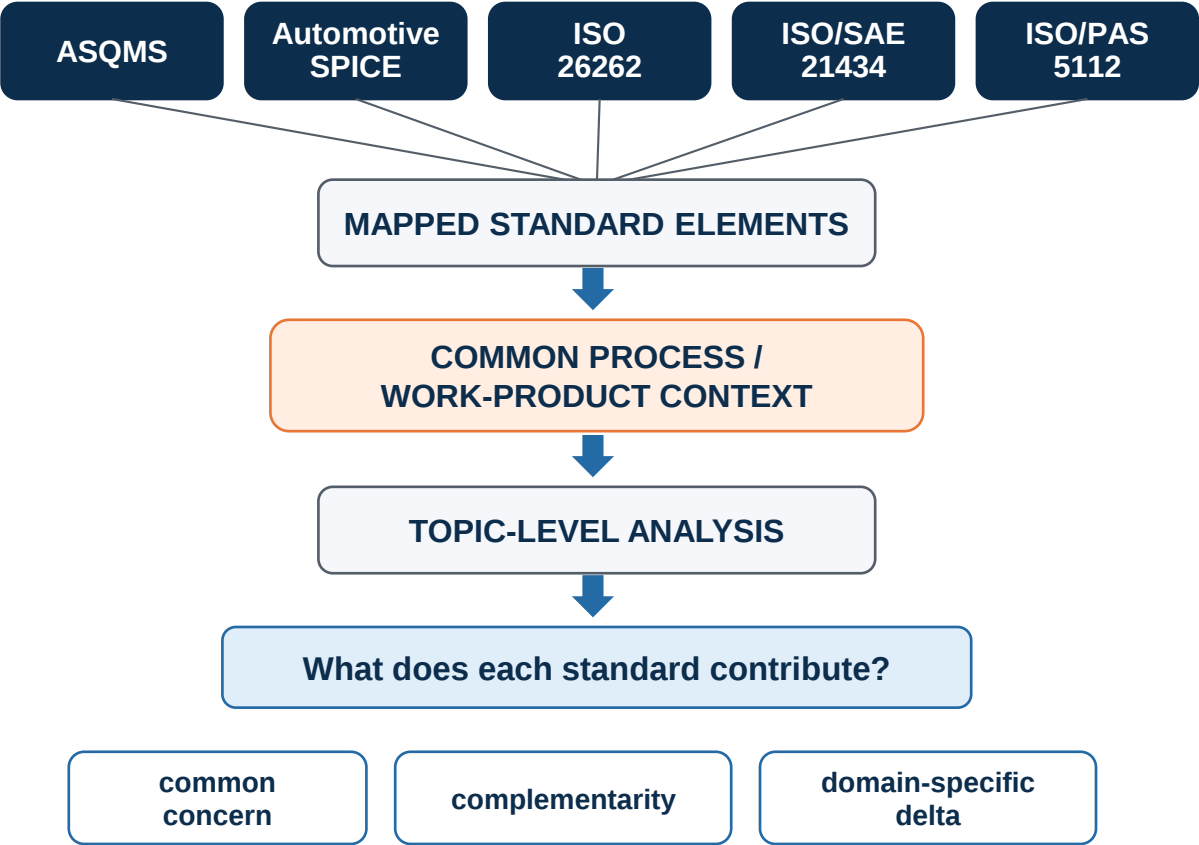
Primary detailed norm-matrix scope

ASQMS · Automotive SPICE · ISO 26262 · ISO/SAE 21434 · ISO/PAS 5112 · IATF/ISO 9001 context

What does QMBB add?

From compliance mapping to cross-standard interpretation

Beyond compliance mapping: understanding what different standards actually contribute to the same engineering concern.



BEYOND TRACEABILITY
41 cross-standard topics analysed in detail — not only clause-to-process links.

NO FALSE EQUIVALENCE
Differences in scope, purpose and evidence expectations stay visible.

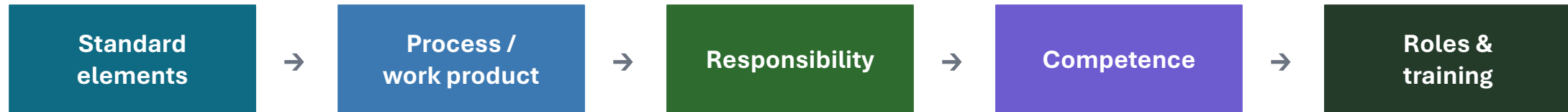
EXPERT INTERPRETATION
ASQMS · Automotive SPICE · functional safety · cybersecurity perspectives analysed together.

The landscape provides the coordinate system. The added value is the interpretation built alongside it.

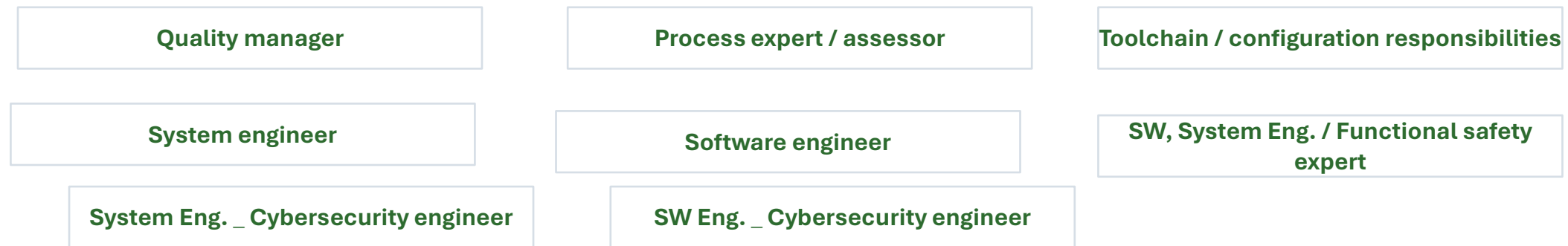


From mapped requirements to skills and roles

A potential exploitation path for **ASA/TRIREME** competence work.



Example roles supported by this interpretation



Important

QMBB does not claim a completed skills model yet. It provides the technical mapping that makes role and competence derivation possible.

This is the outcome and we will establish activities on the roles and trainings.



From mapped requirements to skills and roles

A potential exploitation path for **ASA/TRIREME** competence work.

Full QMBB story at EuroSPI 2026

- **QMBB Keynote** — vision and further steps—
ASA, intacs and ASQMS
- **T. Geipel et al.** — reference landscape,
manufacturing, service & AI
- **S. Stolfa et al.** — cross-standard mapping,
norm matrix & roadmap

This is the outcome and we will establish activities on the roles and trainings.



QMBB Group – Open for Cooperation

Want to join us? - Contact email: svatopluk.stolfa@vsb.cz

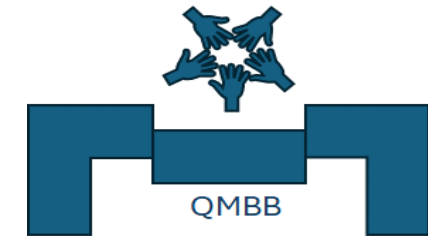
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Note. Active contributors to the QMBB work share copyright ownership of the jointly developed material.



QMBB Reference Process Landscape — Release & Use

Reference Process Landscape · Process / Work-Product Mapping · Detailed Norm Matrix

OPEN KNOWLEDGE

OPEN OUTPUT

QMBB Reference Process Landscape

- Public release planned for November 2026
- Released under a Creative Commons licence
- Open technical output for shared understanding and future QA and skills work

Open artefact ≠ free consultancy

The licence covers the technical artefact, not professional service delivery.

PROFESSIONAL APPLICATION

COMMERCIAL LAYER

Training · Implementation Support · Consultancy

- Training and consultancy are professional commercial services
- Official QMBB training delivered through a certified trainer scheme
- Implementation support can help organizations apply the Reference Process Landscape to their context
- Open access to the artefact is not the same as authorization to deliver official training

Quality-assured adoption path

Certified trainers provide the official training route.

The QMBB Reference Process Landscape is open; training, consultancy and implementation support are commercial services delivered through a quality-assured trainer ecosystem.

