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Wir sind lizenzierter Trainingspartner

CERTIFIED AIAG Training Provider — EU for Special Processes

VDA QMC — Verband der Automobilindustrie Qualitäts-Management-Center

» Automotive Seminare & Audits

» Digitalisierung mit Office 365

» Nachhaltigkeit / CO_2 Bilanz

» Managementsysteme

News about VDA regulations

www.topqm.de

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VDA Band 5

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VDA BAND 5

VDA BAND 5.1

Traceable Inline Metrology in

Car Body Manufacture*

VDA BAND 5.2

Capability of Measurement Processes

for the Torque Inspection on Bolted Joints (revision)*

VDA BAND 5.3

apability of Inspection Processes Optical

Sensors/Image Processing*

* Project groups have started their work

NEW - VDA Band 5:

➤ include the latest technical development
➤ show product and process conformity
➤ Risk-based approach

VDA BAND 5

New Practice Manual

A helpful work for the implementation
of the VDA BAND 5 published July 22 in German
- In English is not yet foreseen.

Practice Topics
and
Examplesalong the structure

of VDA Volume 5

1. Aufgabenbeschreibung
2. Eingangsgrößen / Rahmenbedingungen
3. Bestimmung der Haupteinflussfaktoren
4. Auswahl Messprozessmodel
5. Auflistung der Unsicherheitskomponenten
6. Ermittlung der Standardunsicherheiten
7. Ermittlung der erweiterten Messunsicherheit und der Eignungskennwerte
8. Darstellung des Unsicherheitsbudgets
9. Festlegung zur fortlaufenden Eignung
10. Bewertung Messsystem / Messprozess

Bild-Quelle: VDA QMC

VDA BAND 5

Effects and changes

Synchronized with ISO 22514-7 (Capability of measurement processes)

Synchronized with ISO 14253-1 (Conformity decision rule)

Alignment to the VDA/VDE 2600Blatt 1-3 (Test process, adaptive test planning)

Alignment to the AIAG MSA (4th Ed)

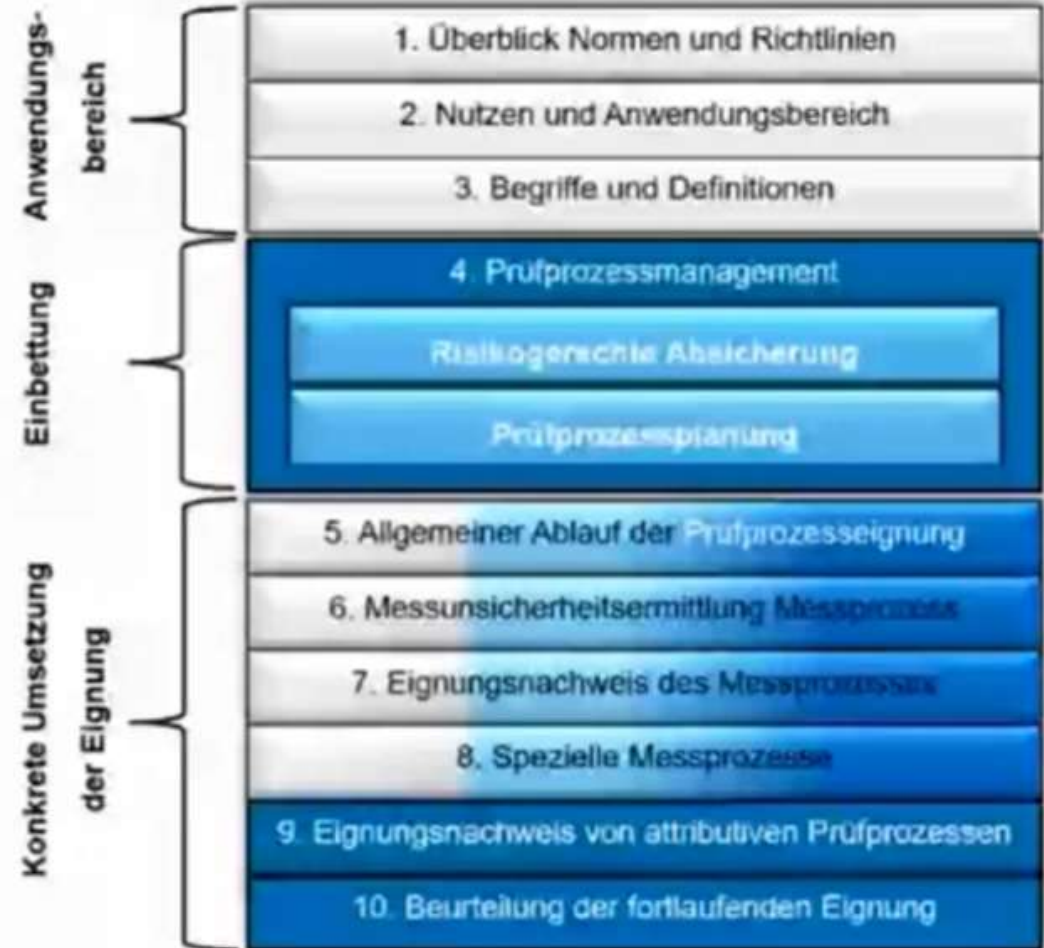Replacement of the automotive industry guideline "Proof of Capability of Measurement Systems".

Application-oriented revision promoted acceptance of the rules and regulations

VDA BAND 5

Changes

| new Chapter |
| Revised |

Bild-Quelle: VDA QMC

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Reifegrad Methode (RGA)

Maturity level method (MLA)

Reifegrad RGA

3rd edition

Yellow Book-Phase

closed Mai-11th

Goal of the new edition RGA:
- Map the latest technical development
- PDCA control loop - in RGA management
- Alignment with IATF 16949 and VDA standards
- Incorporate CIP findings
- Provide a data set for IT tools
- Consider agile principles and practices
- Consideration of component-specific scheduling
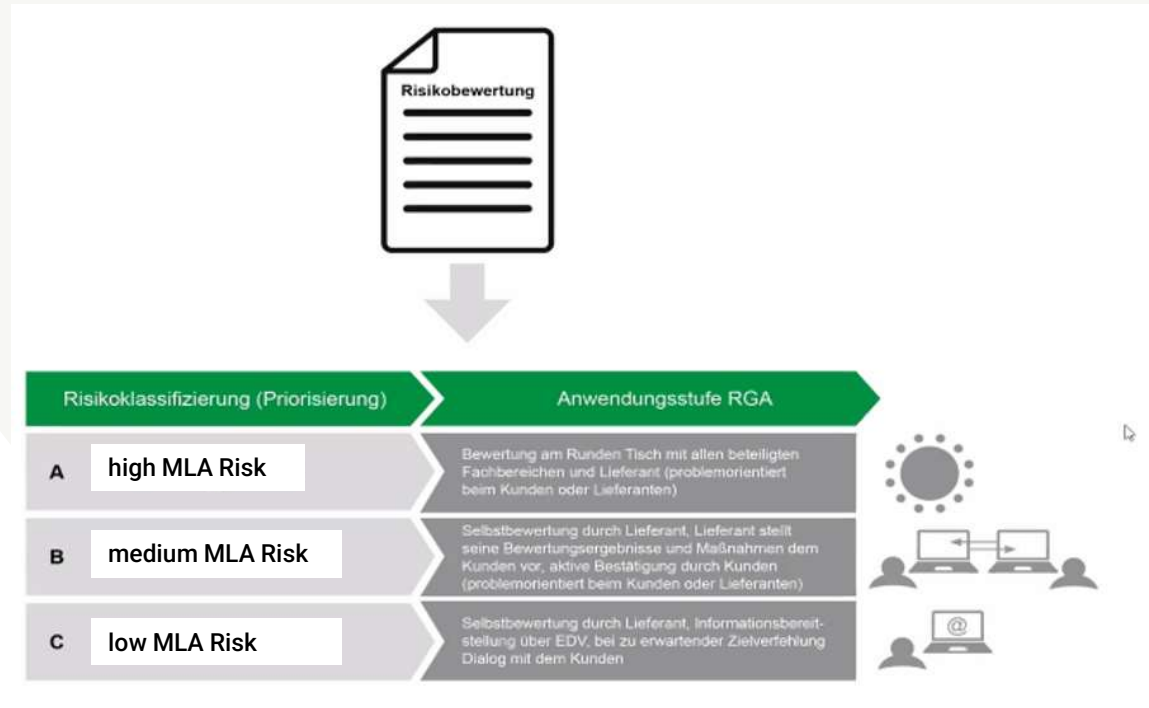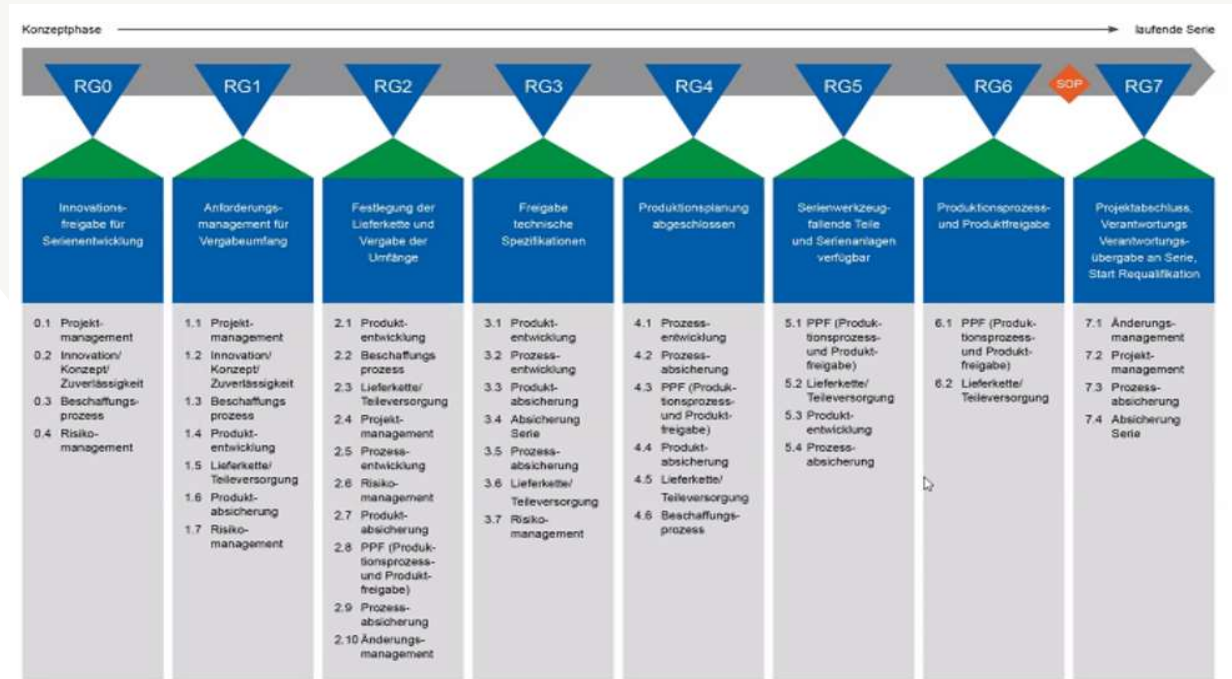- Definition of A, B, C, D samples

Expected publicationSummer 2022

Bild-Quelle: VDA QMC

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Risk rating

The evaluation criteria for risk classification have been adapted to the state of the art here also the addition to "Software".

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No changes

to Risk classification

Control loop

Risikobewertung

Risikoklassifizierung (Priorisierung)		Anwendungsstufe RGA
A	high MLA Risk	Bewertung am Runden Tisch mit allen beteiligten Fachbereichen und Lieferant (problemorientiert beim Kunden oder Lieferanten)
B	medium MLA Risk	Selbstbewertung durch Lieferant, Lieferant stellt seine Bewertungsergebnisse und Maßnahmen dem Kunden vor, aktive Bestätigung durch Kunden (problemorientiert beim Kunden oder Lieferanten)
C	low MLA Risk	Selbstbewertung durch Lieferant, Informationsbereitstellung über EDV, bei zu erwartender Zielverfehlung Dialog mit dem Kunden

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ML 0 – ML 7
remains as usual

The agile idea of software development was taken into account.

New measurement criteria were included for safeguarding "product" and aspects such as Software, TISAX …

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Traffic light logic

Overall evaluation

according to
Result recipient

Reifegrad X	Gesamtbewertung		
Messkriterium	Valuation performer	Valuation reciever	Overall evaluation Measurement criterion
Kriterium 1	customer (green)	supplier (yellow)	(yellow)
Kriterium 2	supplier (green)	customer (red)	(red)
Kriterium 3	customer (yellow)	supplier (green)	(green)

As before, the recipient rating forms the basis of the overall rating.

(Interrelationship customer - supplier)

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Bild-Quelle: VDA QMC

Communication

critical path

Kommunikation, Zusammenarbeit und Lieferkette (Kritischer Pfad)
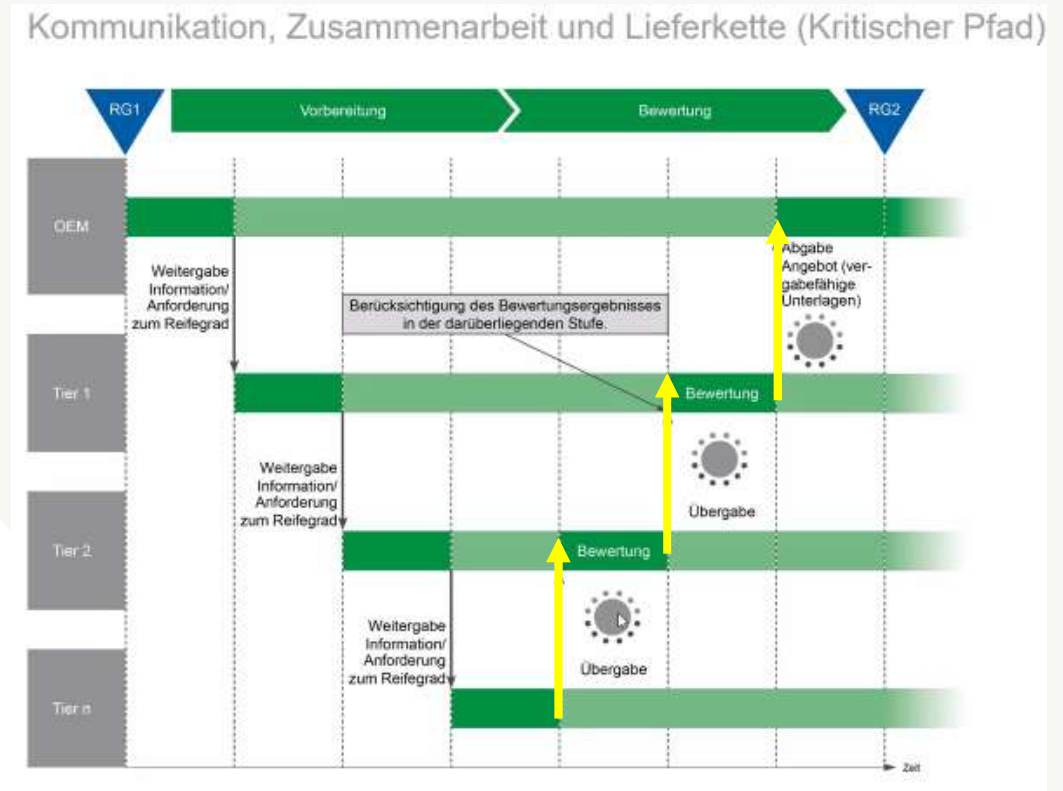
enhance consideration of assessment results, from the critical path, in the higher stages of the supply chain.

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VDA Band 6.8

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VDA BAND 6.8

project group started work
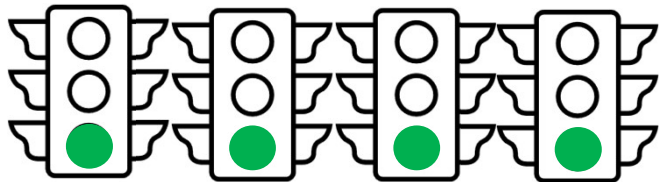
VDA 6.3 Service was often used for logistics

An independent Book triggered from the VDA 6.3 DL

Within the VDA QMC, there was still no standard for logistics

the structure will be oriented on the MMOG/LE

Bild-Quelle: VDA QMC

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VDA Band 6.3

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VDA BAND 6.3

Yellow Book

VDA | Verband der Automobilindustrie

6

Qualitätsmanagement
in der Automobilindustrie

Prozessaudit   Teil 3

Produktentstehungsprozess/Serienproduktion/
Dienstleistungsentstehungsprozess/Erbringung der Dienstleistung

3. überarbeitete Ausgabe, Juli 2010
Online-Download-Dokument ©

published Juni 22

new red Book

expected   Q4 22 / Q1 23

There will be no questions on
Supply chain law, CSR, human
rights, environment, ...

Bild-Quelle: VDA QMC

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VDA BAND 6.3

Änderungen der Neuauflage

The audit process is eliminated, just a reference to ISO 19011

Process audit service is eliminated - Initiation of independent project group VDA 6.8

New question assignment / evaluation of the potential analysis - changed evaluation limits

Revision of the questionnaire - modification and deletion of questions

recommendation table for remote audits

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VDA BAND 6.3

Changes in the new edition

Demonstrate interaction with other audit methods such as.   Automotive Spice

Linking to other updated VDA Standards such as MLA

Complementing software aspects in the planning of quality-related activities

Integration of supplier Management in P2-P4 neu Questions

New assignment of the „*" Questions

Auditor Training:
For 2nd party auditors, is in the yellow book also an examination (written and oral) proclaimed! >> You are welcome to take exams with our TopQM expert team.

Quelle: VDA QMC

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VDA BAND 6.3 / Potential analysis

New Valuation limits

Gesamteinstufung		Bewertung gemäß Fragenkatalog	
		Gelb	Rot
Gesperrter Lieferant	R	mehr als 14	ab eine
Gesteuerter Lieferant	Y	max. 14	ke
Freigegebener Lieferant	G	max. 7	ke

2016

2022

Gesamteinstufung		Bewertung gemäß Fragenkatalog	
		Gelb	Rot
Gesperrter Lieferant	R	mehr als 12	ab einer Frage
Gesteuerter Lieferant	Y	max. 12	keine
Freigegebener Lieferant	G	max. 6	keine

total 35 Questions

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**Bild-Quelle: VDA QMC**

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VDA 6.3

2016

- 59 Questions
- 17* Question (Partially reassigned)
- 35 Questions for Potential analysis
- Valuation boundary changed within the potential analysis
- Integration of Software in Projectmanagement
- Requirement for procurement in P3 und P4
- Eu7 has bin omitted (Transportation / P-Handling)
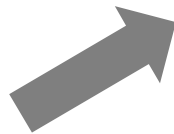
- 58 Questions
- 18* Questions
- 36 Questions for Potential analysis
- Service Audit

VDA 6.3

2022

C < 80%
B >= 80% < 90%
A >= 90%

Quelle: VDA QMC
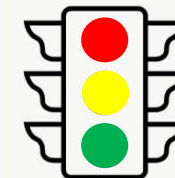
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Overview

Project groups

andTimeline

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Status VDA QMC Project Groups (PG)

Date: 2022-05-11
Project groups are assigned when a topic is handled project-related, i.e. for a limited period of time and with a final result documentation (VDA Volume).

VDA QMC
German Association of the Automotive Industry

before Yellow Volume	Name of VDA Volume	Forecast	expected relief of PG
PG 5.2	Capability of Measurement Processes for the Torque Inspection on Bolted Joints (revision)	General concept exp. 3rd quarter 2022	4th quarter 2023
PG 6.8	Process Audit logistical Processes (new)	General concept exp. 3rd quarter 2022	4th quarter 2023
TCMS	Technical Compliance Management System (new)	Yellow Volume 1st quarter 2023	3rd quarter 2023
PG 5.3	Capability of Inspection Processes Optical Sensors/Image Processing (new)	Yellow Volume 1st quarter 2023	3rd quarter 2023
PG 5.1	Traceable Inline Metrology in Car Body Manufacture	Yellow Volume 4th quarter 2022	2nd quarter 2023
PG KLH	Standardized Structure for a Component Specification (revision)	Yellow Volume 4th quarter 2022	2nd quarter 2023
PG 13	Automotive SPICE®	Development PAM 4.0	2nd quarter 2023
Yellow Volume	**Name of VDA Volume**	**Status**	**Red Volume**
PG 6.3	VDA 6.3 Prozessaudit (Überarbeitung)	available until 17th August 2022 here: https://vdaqmc.de/en/publications/yellow-prints/	exp. 3rd quarter 2022
after Yellow Phase/ before Blue Gold Volume	**Name of VDA Volume**	**Status**	**Blue Gold Volume**
PG Consumer Electronic	Guidelines on analyzing possible scenarios and risks when using consumer electronics components in vehicles (revision)	Review Feedback Yellow Phase	exp. 3rd quarter 2022
Blau Gold Volume:	**Name of VDA Volume**	**Status**	**Release Engl./Ger.**
PG MLA	Maturity Level Assurance for new Parts (revision)	Permission granted	exp. July 2022

Yellow Volume Phase: The result of the PG mission (draft VDA Volume) is published for three months on the homepage of the VDA QMC for feedback from the industry
after Yellow Volume: feedback phase ended, finalising of Red Volume according to feedback
Publication: After the end of the yellow ribbon phase and approval by the QMA, the new VDA volume will be published http://webshop.vda.de/qmc
Publication: After approval of Red Volume by the QMA, the new VDA volume will be published. Please look at http://webshop.vda.de/qmc
After approval of the final VDA volume (red or blue-gold), the VDA volumes are usually available in the webshop after 8-12 weeks.

Current VDA QMC Working Groups (WG)

Working groups are assigned if a topic requires a continuous processing rather than a project-related one.

Title	Topic of Working Group
WG Product Integrity	Dealing with questions about product integrity in the interest of VDA member companies
WG CoP	Exchange of views on new legislation/guidelines regarding CoP at OEM and in the supply chain
WG VDA 5	Processing of topics in the context of VDA Volume 5 and possible assistance with the implementation in industry

VDA QMC/Publications

VDA QMC Project groups status 2022-05-11.pdf (vdaqmc.de)

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Quelle: VDA QMC

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ISO 9001 / IATF 16949

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ISO 9001

Änderungen 2023?
https://committee.iso.org

Workshops have already been carried out by the ISO committee in the last 2 years

8400 companies worldwide were surveyed about ISO 9001

from some companies came the recommendation did not change /
„ We have a good Base of the standard"

Within the committee, a balanced opinion emerged on whether to
Execute revision or not– Result not perform a major revision for now.

Status May 2022 / no main reason for a change, but many small recommendations which would suggest a change

Next step: draft presentation from the subcommittee on base of the recommendations,
with this draft follows a possible decision   major revision / minor update ?

Thank you very
much for your
attention

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+49 6261 639980 » schulung@topqm.de

TopQM-Systems AG » Am Flugplatz 8/1 » 74821 Mosbach