



SMMT
QUALITY MANAGEMENT
DIVISION



SMMT QMD

2019 - 2020 Divisional update

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Organisational purpose



“Ensuring standards support the competitive performance of the UK’s Automotive Industry”

1. Ensure the UK Automotive industry plays an active role in the development of national and international automotive management system standards
2. Effective governance of international automotive management system standards
3. Effective implementation of international automotive management standards across the UK to improve competitive performance

Organisational objectives

1. IATF Vision and Strategy

- Vision, strategy development, deployment and execution
- Operational delivery of the scheme
- Management and governance of Certification Bodies
- Continuous improvement of CBs and scheme effectiveness

2. National Centre of Excellence

- Definitive trusted source in the UK for Automotive QMS information
- Technical resources to build UK capability at OEMs and throughout the supply chain
- Training, expertise and practical support for OEMs and Suppliers

3. Professional Community

- Building networks, promoting peer-to-peer sharing and learning
- Identification of common QMS related industry challenges
- Professional development of the Auto QM profession

4. Voice of the UK Industry

- Establish relationships with other national & international bodies and stakeholders
- Be the voice of the UK automotive industry on Auto QMS topics
- Influence relevant national and international policy and process

Technical resources to build capability

White papers and articles... creating insight



"How to" videos... Practical support



Technical publications... Building knowledge



Automotive Quality Management Systems Conference | 8-9 Oct 2019

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Training, expertise and practical support

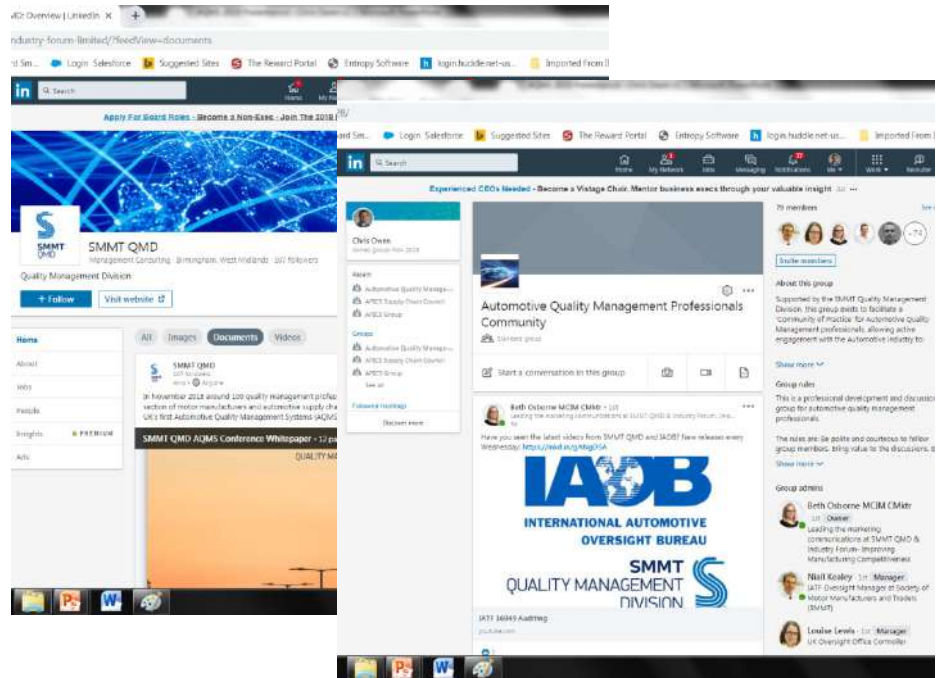
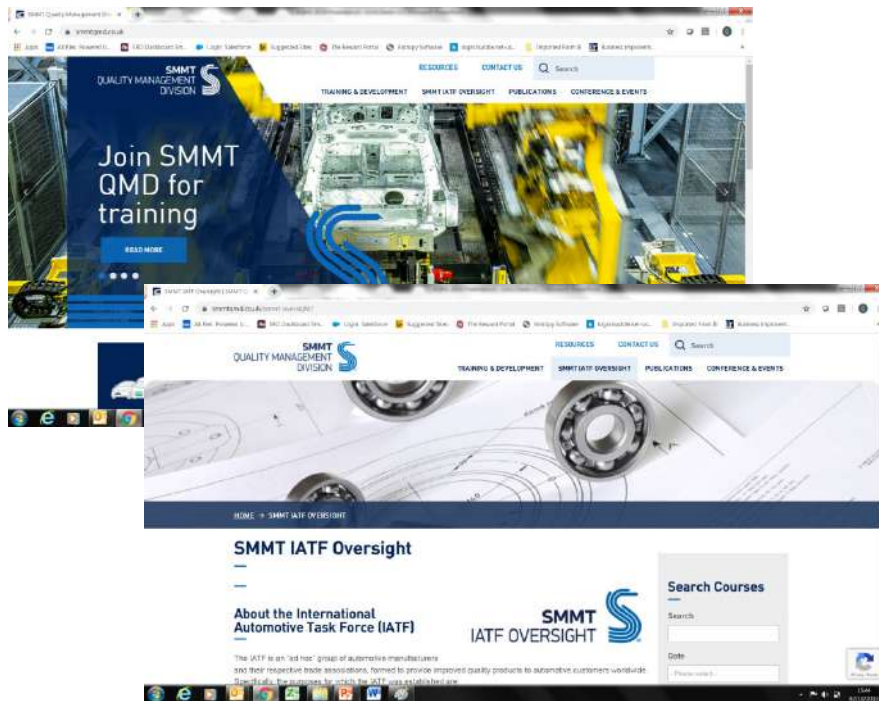
E-learning vid in here please...Thanks



- IATF16949 Essentials
- IATF16949 Management Awareness
- IATF16949 Internal Auditor
- IATF16949 Lead Auditor
- TPM for IATF16949
- Manufacturing Operations IATF16949
- Supply Chain for IATF16949
- APQP & Core Tools
- VDA 6.3 & 6.3 Upgrade Training
- Competence Training For Certified Process Auditors
- Process Auditor Training & Examination
- VDA 6.5 Product Audit Training
- Maturity Level Assessment (MLA) & Field Failure Analysis (FFA)
- Product Safety & conformity Representative (PSCR)
- VDA 2 Production Process & Product Approval (PPA)

Professional community

LinkedIn



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National influence - Practical support



- 1 Get benchmark assessed
- 2 Get customer input
- 3 Develop business case
- 4 Get funding
- 5 Increase competitiveness
- 6 Grow your business



Department for
Business, Energy
& Industrial Strategy

Building a competitive industry

- £26m grant funding
- 3 years
- 180 companies, auto & aero supply chains
- 132 modules of support

Vision & strategy

QMS – IATF
AS9100

APQP

SPC

Metrology

Six Sigma

FMEA...

GD&T

NPI processes

Problem solving

Core tools

Risk management

Mistake proofing

Shaping standards & policy – Future focus



1. Standards keeping pace – New digital capabilities will become “good practice” and must, at some point, translate into requirements of the standard as they will directly impact our ability to meet customer requirements

2. Determining effectiveness – New knowledge, capabilities and understanding will be required of quality professionals

3. In data we trust...or do we? – Deep data understanding. Volume and complexity leads to issues - Provenance, traceability, what is measured, where measured, how measured, how processed, data security

4. Understanding cyber-physical processes and products – Manufacturing processes and assets are becoming more complex and less transparent. AI/ML represents a specific challenge. Determination of failure modes & risks will need new skills

5. Data science and analytics will become a vital core skill for the QM profession - Analytics, aggregation, simulation and modelling, AI-Human balance, speed of decision making

Conference areas of focus

Last year's delegate feedback... this year's topics

- 93% - Digitalisation of manufacturing & supply chain
- 91% Manufacturing operations
- 90% Supply chain management
- 83% New product technologies
- 74% Connected and autonomous vehicles

