



# **SMMT QMD**

## **IATF Scheme Overview**

# Certificate distribution

Distribution of  
the 75,294 IATF  
16949 certified  
sites at 30 Sept  
2019

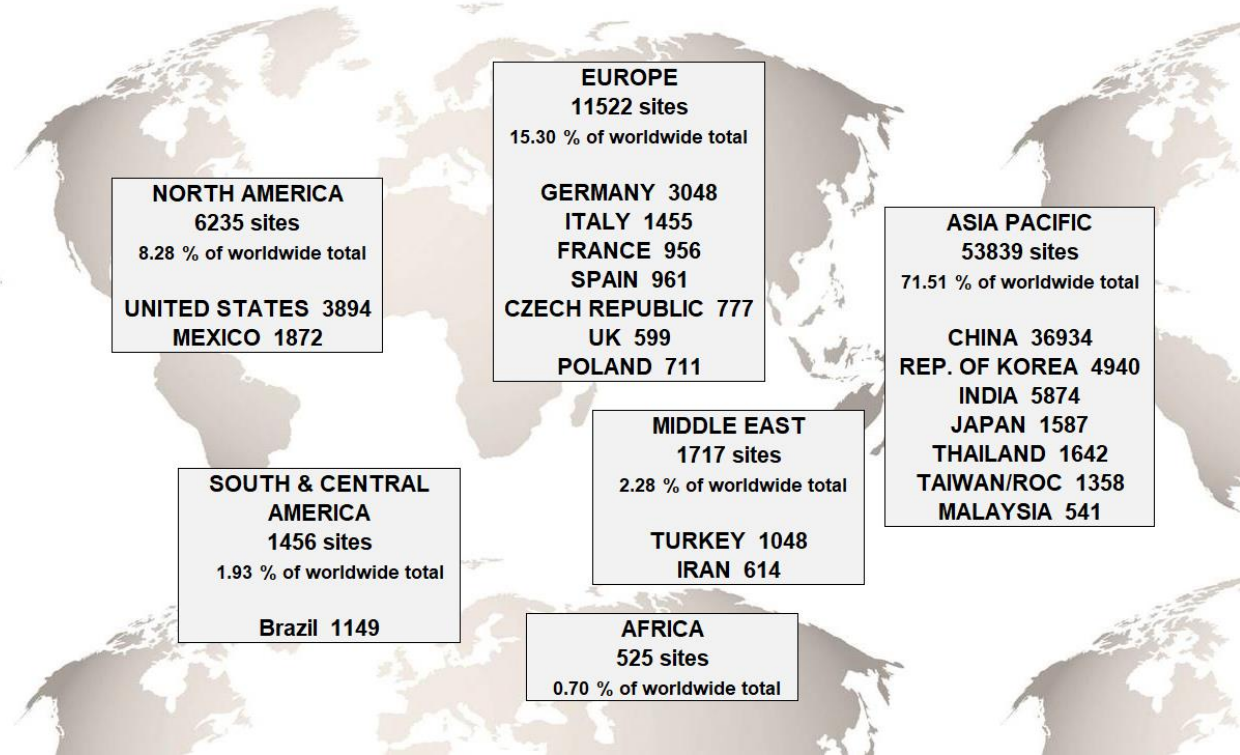
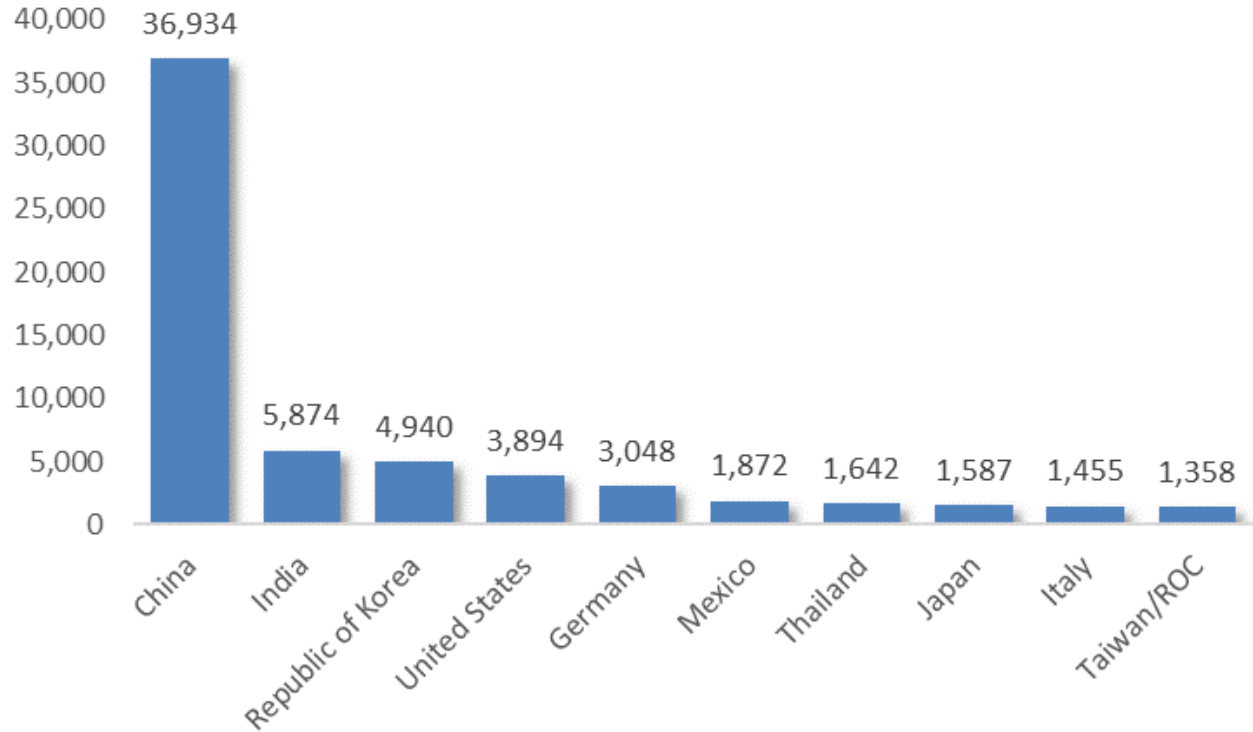


Chart shows countries  
with > 500 certified  
sites only

# Top 10 countries

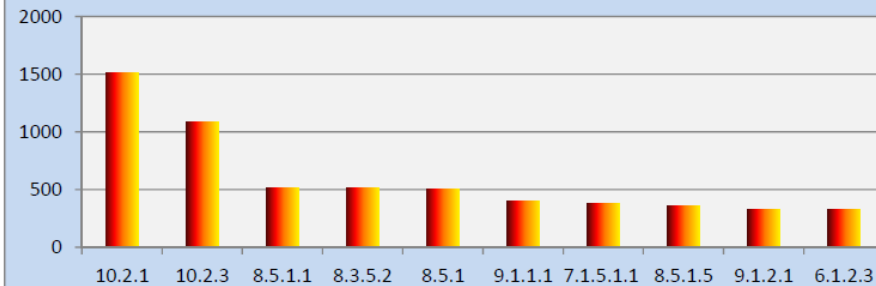
UK is ranked  
number 18 with  
599 certified  
sites



# Global nonconformity analysis - Major

- 10.2.1** **ISO 9001** Nonconformity & corrective action
- 10.2.3** Problem solving
- 8.5.1.1** Control plan
- 8.3.5.2** Manufacturing process design output
- 8.5.1** **ISO 9001** Control of production and service provision
- 9.1.1.1** Monitoring and measurement of manufacturing processes
- 7.1.5.1.1** Measurement systems analysis (MSA)
- 8.5.1.5** Total productive maintenance (TPM)
- 9.1.2.1** Customer satisfaction – supplemental
- 6.1.2.3** Contingency plans

TOP 10 Major NC



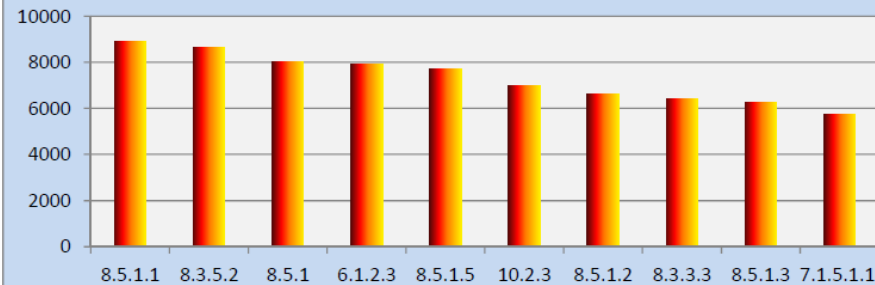
IATF Clause	Major NC
10.2.1	1513
10.2.3	1089
8.5.1.1	521
8.3.5.2	520
8.5.1	503
9.1.1.1	407
7.1.5.1.1	381
8.5.1.5	360
9.1.2.1	330
6.1.2.3	328

Major  
nonconformities  
raised during  
IATF 16949  
audits YTD (30 Sept 2019)

# Global nonconformity analysis - Minor

- 8.5.1.1 Control plan
- 8.3.5.2 Manufacturing process design output
- 8.5.1 **ISO 9001** Control of production and service provision
- 6.1.2.3 Contingency plans
- 8.5.1.5 Total productive maintenance (TPM)
- 10.2.3 Problem solving
- 8.5.1.2 Standardised work – operator instructions and visual standards
- 8.3.3.3 Special characteristics
- 8.5.1.3 Verification of job set ups
- 7.1.5.1.1 Measurement systems analysis (MSA)

TOP 10 Minor NC



IATF Clause	Minor NC
8.5.1.1	8933
8.3.5.2	8652
8.5.1	8037
6.1.2.3	7917
8.5.1.5	7737
10.2.3	6985
8.5.1.2	6642
8.3.3.3	6429
8.5.1.3	6263
7.1.5.1.1	5761

Minor  
nonconformities  
raised during  
IATF 16949  
audits YTD (30 Sept 2019)

# IATF Auditor Guide



## Essential auditor competency



**IATF Auditor Guide for IATF 16949**

4th Edition

May 2019

1. Process Approach incorporating risk based thinking, focus on performance, prioritization, and analysis and synthesis of data
2. Customer Specific Requirements including core tools
3. Knowledge & Application of IATF 16949
4. Knowledge & Application of the IATF Rules
5. Nonconformity management

# IATF Auditor Guide

		Competency is the demonstrated ability to apply knowledge and skills	
Criteria No	Understanding expected	Knowledge (able to ...)	Skills (able to ...)
2b.	<b>Measurement System Analysis</b>  To understand and effectively audit the organization's application of measurement system analysis	<ul style="list-style-type: none"> <li>Understand and describe the relevant IATF 16949 requirements related to Measurement System Analysis (MSA).</li> <li>Describe what is meant by "type" of measurement system.</li> <li>Describe when a MSA study should be undertaken.</li> <li>Describe when a MSA study should be repeated.</li> <li>Describe how customer specific requirements could influence an</li> </ul>	<ul style="list-style-type: none"> <li>Challenge an organization on how they have selected appropriate measurement equipment.</li> <li>Use the control plan to select samples of measurement systems to evaluate the results during any audit.</li> <li>Challenge an organization on how they have grouped measurement systems into "types".</li> <li>Challenge an organization on how they have decided the appropriate type of MSA studies to undertake for each type of equipment.</li> <li>Challenge an organization on how they decide</li> </ul>

## Summary of Main Changes

This 4<sup>th</sup> edition aligns the essential auditor competency requirements to the IATF 3<sup>rd</sup> Party Auditor Training & Evaluation process. Nonconformity management has been added as an essential auditor competency including guidance on writing and structuring nonconformities.

Auditing customer specific requirements and core tools has been expanded to define knowledge and competency requirements around Failure Mode and Effects Analysis (FMEA), Measurement System Analysis (MSA), Statistical Tools and Control Plan.



# IATF Stakeholder Survey



## IATF Oversight Certification Body Communiqué

**CB COMMUNIQUE # 2019-006**

	YES	NO
CONFIDENTIAL		X
MANDATORY CONTENT	X	

ISSUE DATE: July 2019

SUBJECT: IATF 16949:2016 Stakeholder Survey



Survey was available to all IATF stakeholders from early July 2019 to 11 September 2019  
The standard was segmented by the following sections: 1-4, 5-6, 7, 8, 9-10, Annexes A and B  
Combining all sections, there were over 2700 responses covering all types of stakeholders



# IATF 16949 SIs & FAQs

NUMBER	IATF 16949 REFERENCE	SANCTIONED INTERPRETATION
16	9.3.2.1 Management review inputs – supplemental	<p>Input to management review shall include:</p> <ul style="list-style-type: none"> <li>a) cost of poor quality (cost of internal and external nonconformance);</li> <li>b) measures of process effectiveness;</li> <li>c) measures of process efficiency for product realization processes, as applicable;</li> <li>d) product conformance;</li> <li>e) assessments of manufacturing feasibility made for changes to existing operations and for new facilities or new product (see Section 7.1.3.1);</li> <li>f) customer satisfaction (see ISO 9001, Section 9.1.2);</li> <li>g) review of performance against maintenance objectives;</li> <li>h) warranty performance (where applicable);</li> <li>i) review of customer scorecards (where applicable);</li> <li>j) identification of potential field failures identified through risk analysis (such as FMEA);</li> <li>k) actual field failures and their impact on safety or the environment;</li> <li>l) <b>summary results of measurements at specified stages during the design and development of products and processes, as applicable.</b></li> </ul> <p><b>Rationale for change:</b></p> <p><i>In the section “8.3.4.1 Monitoring” the summary results of measurements at specified stages during the design and development of products and processes was required as an input to management review; however, it was not displayed in the section 9.3.2.1. Measurements may consider, for example: timing, costs, or feasibility.</i></p>

NUMBER	IATF 16949 REFERENCE	SANCTIONED INTERPRETATION
17	6.1.2.3 Contingency plans	<p>a) – d) (...)</p> <p>e) <b>periodically test the contingency plans for effectiveness (e.g. simulations, as appropriate); cybersecurity testing may include a simulation of a cyber-attack, regular monitoring for specific threats, identification of dependencies and prioritization of vulnerabilities. The testing is appropriate to the risk of associated customer disruption;</b>  <b>Note: cybersecurity testing may be managed internally by the organization or subcontracted as appropriate</b></p> <p><b>Rationale for change:</b>  <i>Cybersecurity is a growing risk to manufacturing sustainability in all manufacturing facilities, including automotive. Contingency testing has also been identified by organizations and CBs as an area in need of clarification. This update provides details of what is to be tested as part of a cyber-attack contingency plan validation.</i></p>
18	7.1.3.1 Plant, facility, and equipment planning	<p>The organization shall use a multidisciplinary approach including risk identification and risk mitigation methods for developing and improving plant, facility, and equipment plans. In designing plant layouts, the organization shall:</p> <ul style="list-style-type: none"> <li>a) optimize material flow, material handling, and value-added use of floor space including control of nonconforming product; <b>and</b></li> <li>b) facilitate synchronous material flow, as applicable; <b>and</b></li> <li>c) <b>implement cyber protection of equipment and systems supporting manufacturing.</b></li> </ul> <p><b>Rationale for change:</b>  <i>Cybersecurity is not limited to the support functions and office areas using computers. Manufacturing also uses computerized controls and equipment which would be at risk to cyber-attack. This addition drives the implementation of necessary protections to ensure continued operation and production to meet customer requirements.</i></p>

Issued October 2019, effective Jan 2020

Find out more



[www.iatfglobaloversight.org](http://www.iatfglobaloversight.org)