

WEBINAR

Compliance Made Easy with Jama Connect® for Automotive and Semiconductor Development



Steve Rush

Principal Consultant
Jama Software



Sampath Yerramalla

Senior Consultant
Jama Software

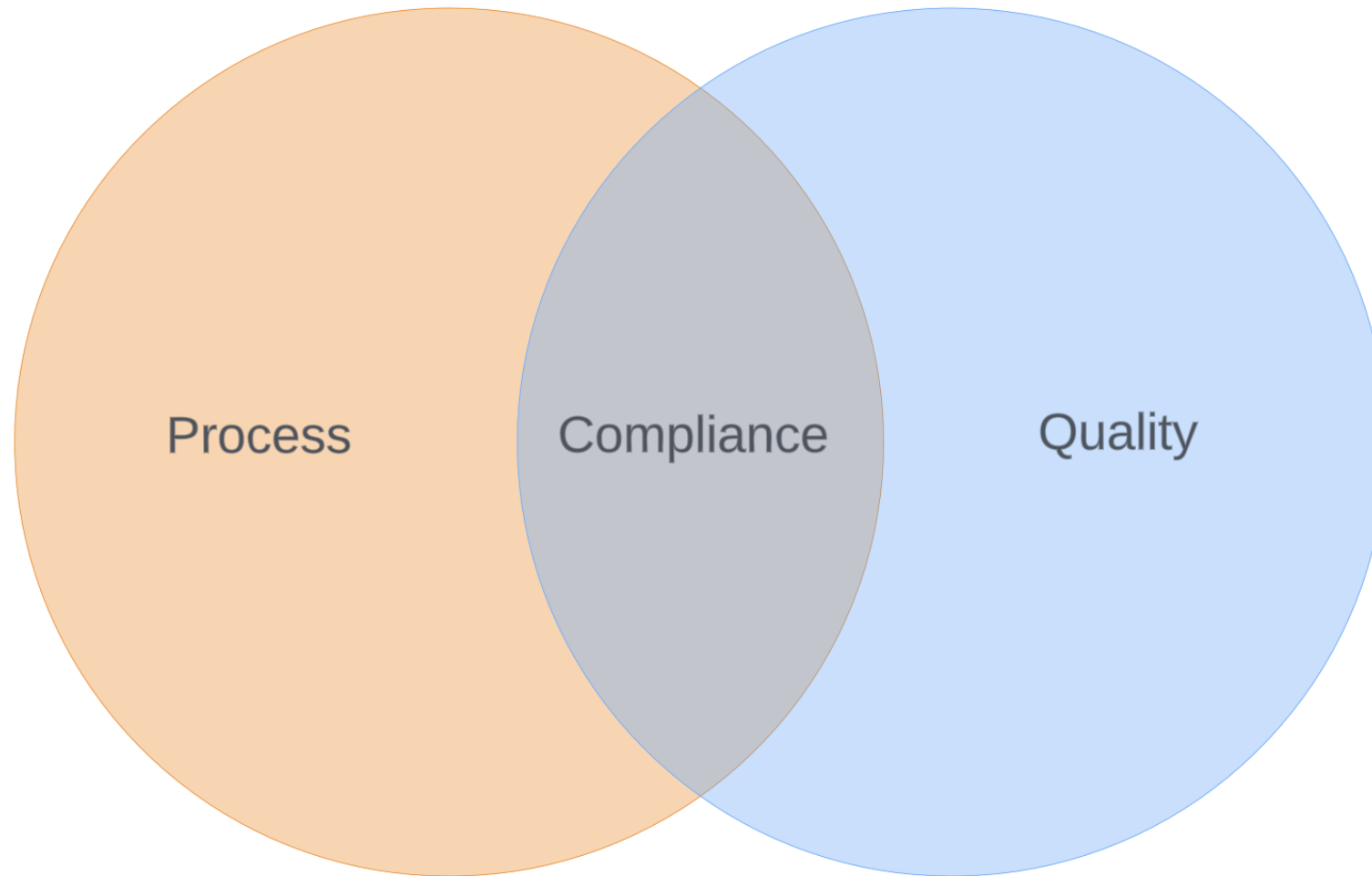
Agenda

AUTOMOTIVE COMPLIANCE

- **Introduction to Automotive Compliance**
- **Overview of Auto Compliance Service Offerings**
- **Standards Alignment**
- **Overview of Diagnostic Methodology**
- **Outcomes and Benefits**
- **Working Exercises**

Introduction

AUTOMOTIVE COMPLIANCE



Offerings

- Each offering pairs you up with a Jama Software SA or Consultant
- About a 2-3 hour time commitment in total
- Outcome based objectives to optimize Jama Connect usage or to start using Jama Connect

< GO BACK

< GO BACK

< GO BACK

Automotive Cybersecurity Diagnostic (ISO 21434)

Type: Benchmark Assessment

Time Commitment: 2-3 hours

Scope: Up to one (1) diagnostic report

Work with a Jama Software Consultant to analyze your cyber security process and identify risks to ISO 21434 compliance.

Offering Outcome: This diagnostic service will provide validation that existing use is aligned with industry-leading practice and/or list recommendations for optimizing Jama Connect usage to better align with recommended procedures.

REQUEST SOLUTION OFFERING

More Information on Service Offerings

JAMASOFTWARE.COM/SUCCESS



PRODUCTSOLUTIONSCOMPANYRESOURCESBLOG

GET STARTED

Jama Connect® Customer Success Journey

REQUEST SOLUTION OFFERING



Type

Benchmark Assessment

Credits per offering:**

Training Resources - 0

Technical Service - 1

Consulting - 1

Benchmark Assessment - 1

Onboarding Jama Connect

None found.

Improving Your Requirement Quality

Requirement Quality Assessment - Benchmark Assessment

Improving Your Process

None found.

Improving Your Traceability Score™

Traceability Debt Diagnostic - Benchmark Assessment

Traceability Score™ Assessment - Benchmark Assessment

Evaluating Your Compliance

Automotive ASPICE Diagnostic - Benchmark Assessment

Automotive Functional Safety Diagnostic - Benchmark Assessment

Automotive Cybersecurity Diagnostic (ISO 21434) - Benchmark Assessment

Support Customer Validation

None found.

Standards Alignment

DIAGNOSTIC OFFERINGS

AUTOMOTIVE SPICE



- System Engineering Process Group (SYS 2-5)
- Software Engineering Process Group (SWE 1-6)
- Supporting Process Group (SUP 1,8, 9, 10)
- Project Management (MAN.3)

ISO 26262 (2018)



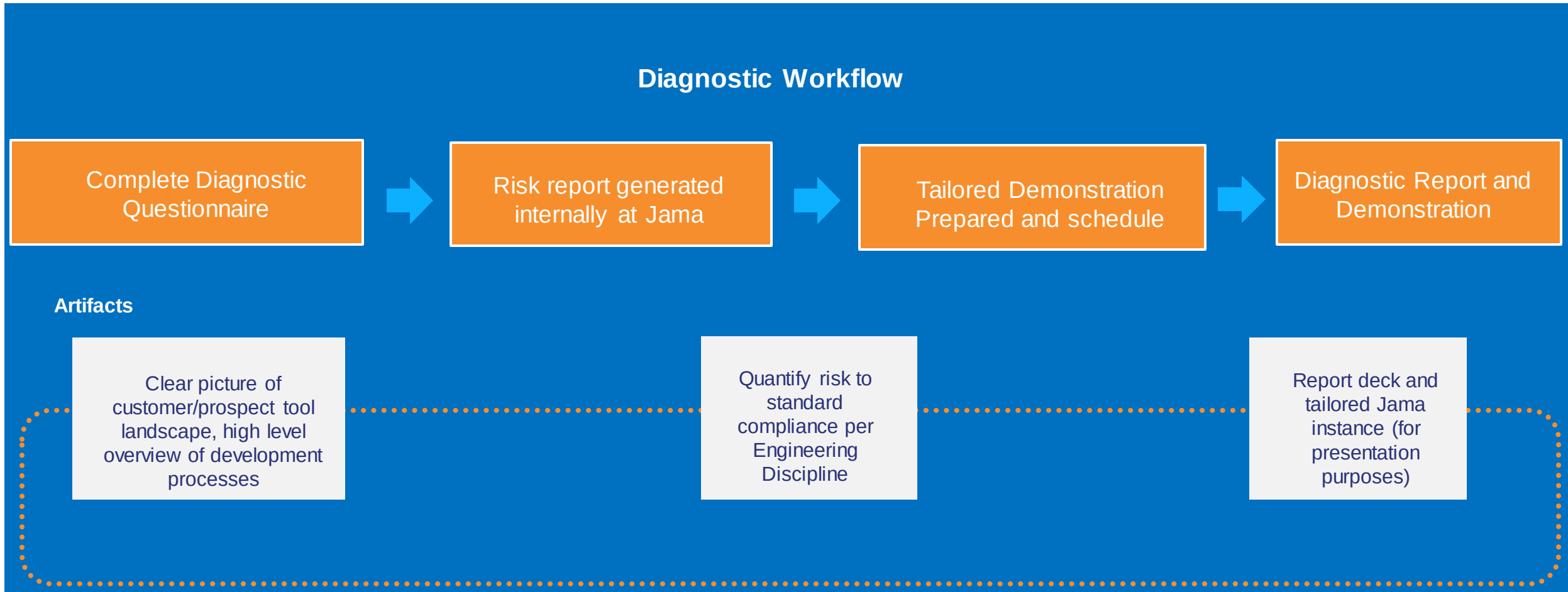
- Management of Functional Safety (Part 2)
- Concept Phase (Part 3)
- Product Development at the system Level (Part 4)
- Product development at the hardware level (Part 5)
- Product development at the software level (Part 6)
- Supporting Processes (Part 8)

ISO 21434 (2021)



- Organizational cybersecurity management (Clause 5)
- Project dependent cybersecurity management (Clause 6)
- Concept Phase (Clause 9)
- Product Development (Clause 10)
- Threat analysis and risk assessment methods (Clause 15)

Overview of Service Offerings Process



Outcomes and Benefits

- Clearly identified risk areas as it pertains to each diagnostic
- Tailored recommendations on mitigating risk areas
- Prioritization

ISO 26262 Part	Compliance Risk
Part 2: Management of Safety	High
Part 3: Concept Development	Medium
Part 4: System Development	Medium
Part 5: Hardware Development	Medium
Part 6: Software Development	Medium
Part 8: Supporting Processes	Medium
Part 9: ASIL related and Safety Analysis	Medium

Exercises



Working Exercise ASPICE

RISK LEVEL = HIGH

Question: How are requirements reviewed? How are reviewer comments maintained?

Answer: Requirements are informally reviewed, comments are sent via email or verbally in meetings.



Recommended Jama Features to Address Risk:

Jama Review Center

Benefit

Jama Review Center provides the tools to conduct ASPICE compliant work product reviews and correlate review records and work product versions

ASPICE Process Area Risk:

- *Quality Management*
 - *SYS.2, SWE.1, SUP.1*

Working Exercise ISO26262

RISK LEVEL = MEDIUM

Question: How is the safety case structured? Does the content include everything required by ISO26262?

Answer: The safety case is a collection of documents stored in various systems. It has not been assessed for completeness against the requirements of ISO26262.

ISO26262 Process Area Risk:

- *ISO26262 Part 2-6.4.8 Safety Case*



Recommended Jama Features to Address Risk:

Safety Case Template

Benefits

- *Pre-configured templates developed by compliance experts to support ISO 26262 required documentation*
- *Authoritative safety case work product established*

Working Exercise ISO21434

RISK LEVEL = HIGH

Question: How are assets with cybersecurity properties managed for an item/element/component?

Answer: Assets definitions are stored in word or excel or power point documents and placed in a project share point.

ISO21434 Process Area Risk:

- 9.4 Cybersecurity Goals



Recommended Jama Features to Address Risk:

TARA Management

Benefits

- *The ISO21434 methodology requires the identification of assets with cybersecurity properties (i.e. CIA) whose compromise leads to a damage scenario.*
- *Jama Connect has a ISO21434 TARA template, preconfigured, which can manage assets*

Thank You!



Q&A