



ASQR-09.2  
Revision 2 COMPARISON  
January 2019

UTC Proprietary

## REVISION OVERVIEW

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# ASQR-09.2 REVISION 2 COMPARISON

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Broadly, ASQR-09.2 Revision 2 changes fall into 3 categories:

## Aerospace Industry Alignment

Introduction to the APQP methodologies – AS9145

Align UTC PPAP requirements to Gate 4 of APQP

19 Elements reduced to 11

## Harmonization of the UTC PPAP Digitization Project (EtQ Reliance)

Introduction of planning stage at requirement flow down

Embed PPAP submission requirements utilizing EtQ Reliance

## Bureaucracy Busting

Elimination of member specific requirements

Removal of redundant submission requirements (FAI)

Long term UTC plan is to eliminate ASQR-09.2 and call AS9145 using ASQR-01.

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## Intent

**Alignment to AS9145**  
 19 Elements reduced to 11

ASQR-09.2 Rev. 1		ASQR-09.2 - Rev. 2 - AS9145 Alignment
1 - Released Production Drawings or Definition 2 - Supplementary Product Requirement Documents (SPRD) 3 - Production Purchase Order	➔	1 - Design Records <i>Note: Consolidated</i>
4 - Design Risk Analysis (DRA)	➔	2 - Design Risk Analysis (DRA)
5 - Process Flow Diagram	➔	3 - Process Flow Diagram (PFD)
6 - Process Failure Mode and Effects Analysis (PFMEA)	➔	4 - Process Failure Mode and Effects Analysis (PFMEA)
7 - Process Control Plan	➔	5 - Control Plan
10 - Measurement Systems Analysis (MSA)	➔	6 - Measurement Systems Analysis (MSA)
9 - Initial Process Studies (IPS)	➔	7 - Initial Process Capability Studies
18 - Packaging, Preservation and Labeling Approval	➔	8 - Packaging, Preservation and Labeling Approvals
11 - Engineering Frozen Planning/Engineering Source Approval 13 - Functional Testing Approval 14 - Special Process and NDT Approval 15 - Material Certification Documentation 16 - Member Defined Raw Material Approval	➔	9 - First Article Inspection Report (FAIR)
17 - Part Marking Approval	➔	10.1 - Part Marking Approval
8 - Process Readiness Study (PRS) 12 - Dimensional Reports	➔	10.2 - Production Process Run(s)
19 - Review and Sign-Off	➔	11 - PPAP Approval

See Second tab for detailed Element change overview

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## Change Guide

Revision 1		Revision 2	Change	Revision 1		Revision 2	Change
1	➔	Introduction	Major		+	3.1	Minor
2	➔	Introduction / 1	Minor		+	3.2	Minor
2.1	➔	Introduction	Minor	4.1	➔	3.6	Minor
2.2	➔	1.1	Minor	4.2		3.11	Major
2.3	➔	1.2	Minor	4.3	➔	3.3	Minor
3	➔	2	Minor	4.4	✗		Removed
3.1	➔	2.1	Major	4.5	➔	3.4	No Change
3.2	➔	2.1	Minor	4.6	✗		Removed
3.3	➔	2.1	Minor	4.7	➔	3.7	Minor
3.4	➔	2.2	Minor	4.8	➔	3.8	Minor
4	➔	3	Minor	4.9	➔	3.9	Minor

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Revision 1		Revision 2	Change	Revision 1		Revision 2	Change
4.10	➔	3.10	Minor	(title) 5.1	➔	4.1 (title)	Minor
	+	3.12	Minor		+	4.1.1	Major
4.11	➔	3.13	Minor	(para. 1, 4 & note) 5.1 a.	➔	4.1.2	Major
	+	3.14	Added	(para. 2 & 3) 5.1 a.	➔	4.1.3	Major
4.12	✗		Removed	5.1 b.	➔	4.1.4	Minor
4.13	✗		Removed	5.1 c.	✗		Removed
4.14	➔	3.18	Minor	5.1 d. & e.	➔	4.1.5	Minor
4.15	✗		Removed		+	4.1.5.1 & Note	Major
4.16	➔	3.16	Minor	5.1 f.	➔	4.1.6	Minor
4.17	➔	3.17	Minor	5.1 g. & h.	➔	4.1.7	Minor
4.18	➔	3.19	Minor	5.1 i.	➔	4.1.8	Minor

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Revision 1		Revision 2	Change	Revision 1		Revision 2	Change
5.1 j.	➔	4.1.9	Minor	5.2.4 a.	➔	4.2.3.1 a)	Minor
(title) 5.2	➔	4.2 (title)	No Change	5.2.4 b.	➔	4.2.3.1 b)	No Change
5.2.1	➔	4.2.1	Minor	5.2.4 c.	➔	4.2.3.1 c)	No Change
(para. 1, 2 & bullets) 5.2.2	➔	4.2.2.1	Minor	5.2.4 d.	➔	4.2.3.1 d)	Minor
(para. 3) 5.2.2	➔	4.2.2.2	Minor	5.2.4 e.	➔	4.2.3.1 e)	No Change
	+	4.2.2.3	<b>Major</b>	(para. 2) 5.2.4	✗		Removed
(para. 4) 5.2.2	✗		Removed	(title) 5.2.5	➔	4.2.4 (title)	Minor
(para. 5) 5.2.2	➔	4.2.2.4	Minor	(para. 1) 5.2.5	➔	4.2.4.1	Minor
5.2.3	✗		Removed	5.2.5 a.	➔	4.2.4.1 a)	No Change
(title) 5.2.4	➔	4.2.3 (title)	No Change	5.2.5 b.	➔	4.2.4.1 b)	No Change
(para. 1) 5.2.4	➔	4.2.3.1	Minor	5.2.5 c.	➔	4.2.4.1 c)	No Change

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Revision 1		Revision 2	Change	Revision 1		Revision 2	Change
5.2.5 d.	➔	4.2.4.1 d)	No Change	(title) 5.3.4	➔	5.2 (title)	No Change
5.2.5 e.	➔	4.2.4.1 e)	Minor	(para. 1) 5.3.4	➔	5.2.1 / 5.2.2	Minor
	+	4.2.4.2	Minor	(para. 2) 5.3.4	➔	5.2.3	Minor
(para. 2) 5.2.5	➔	4.2.4.3	Minor	(title) 5.3.5	➔	5.3 (title)	No Change
(note 1 & 2) 5.2.5	✗		Removed	5.3.5	➔	5.3.1	Minor
(title) 5.3	➔	5 (title)	Minor	(title) 5.3.6	➔	5.4 (title)	No Change
(element list) 5.3	✗		Removed	5.3.6	➔	5.4.1	Minor
(note 1 & 2) 5.3	✗		Removed				
5.3.1	➔	5.1 (Combined)	Major				
5.3.2	➔	5.1 (Combined)	Major				
5.3.3	➔	5.1 (Combined)	Major				

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Revision 1		Revision 2	Change	Revision 1		Revision 2	Change
	+	5.4.2	Minor	(para. 7) 5.3.9	×		Removed
(para. 3) 5.3.6	×		Removed	(para. 8) 5.3.9	×		Removed
(title) 5.3.7	→	5.5 (title)	Minor		+	5.7.5	Major
5.3.7	→	5.5.1	Major	(title) 5.3.10	→	5.6 (title)	No Change
5.3.8	→	5.10.2 (Combined)	Major	(para. 1) 5.3.10	→	5.6.1	Minor
(title) 5.3.9	→	5.7	Minor	(para. 2) 5.3.10	→	5.6.2	Minor
(para. 1) 5.3.9	→	5.7.1	Minor	(para. 3) 5.3.10	→	5.6.4	Minor
(para. 2 & 6) 5.3.9	→	5.7.2	Minor	(para. 4) 5.3.10	→	5.6.3	Minor
(para. 3 & table) 5.3.9	→	5.7.4	Major	5.3.11	×	5.9 (Combined)	Major
(para. 4 & 5) 5.3.9	→	5.7.3	Minor	5.3.12	→	5.10.2 (Combined)	Major

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## Change Guide

Revision 1		Revision 2	Change
5.3.13	➔	5.9 (Combined)	Major
5.3.14	➔	5.9 (Combined)	Major
5.3.15	➔	5.9 (Combined)	Major
5.3.16	➔	5.9 (Combined)	Major
5.3.17	➔	5.10.1	Minor
5.3.18	➔	5.8	Minor
5.3.19	➔	5.11.1	Minor
	+	5.11.2	Minor
Form 1 Approval	➔	Form 1 Approval	Minor
Form 1 Deferral	➔	Form 2 Deferral	Minor
Form 3 IDS	➔	Form 3 IDS	Minor

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