

Automotive Electronics Council

Component Technical Committee

AEC-Q004 Zero Defect Framework - Status

October 9th, 2025

Moderator: R. Rongen (NXP)

Content

- 1 Casebook AEC-Q004-001 – Ballot status
- 2 Main Document AEC-Q004 – Starting to work on draft revA

Content

1 Casebook AEC-Q004-001 – Ballot status

2 Main Document AEC-Q004 – Starting to work on draft revA

Current Team of Authors	Affiliation
James Johnston	Analog Devices
Oliver Aubel	Globalfoundries
Ulrich Abelein	Infineon Technologies
Andreas Martin	Infineon Technologies
Jay Rathert	KLA
Wilhelm Binder	Microchip
Joop Verwijst	NXP Semiconductors
Rene Rongen (team lead)	NXP Semiconductors
Holger Neumann	(original author, at that time Sensata)

AEC-Q004-001 – ZD Casebook

Ballot Results

Votes:

Approve	45	Total AEC Members	98
Approve w/ Comment	12	Total Received	69
Do Not Approve	1	% Received	70%
Abstain	11		
No Response	29	Approval	98%

- After discussing the comments on how to resolve, the “disapproval” could be changed into “approval with comment”
- Next step: resolve all editorial comments and prepare final document for publication

Row Labels	Count of Ballot Vote	Count of Decision
[-] Abstain with comments	35	35
Discuss (Editorial team)	2	2
Next Revision	7	7
Yes	26	26
[-] Approve with comments	75	75
Discuss (Editorial team)	25	25
Yes	50	50
[-] Disapprove with comments	4	4
Discuss	4	4
Grand Total	114	114

→ resolved

Row Labels	Count of Type[E(ditorial) or C(omment) or Q(uestion)
C	21
C->E	12
E	77
E->C (Disapprove)	4
Grand Total	114

→ resolved

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AEC-Q004 – Draft RevA

Next Steps

- Kick-off with AEC-Q004 Working Group
(member list needs to be made up-to-date – see next slide)
 - Date will be picked after case book ballot closure date
- Input for RevA is already available:
 - Ballot Rev- Left-overs: in total 31
 - Some comments remaining for OEM review of Rev-draft that were not (completely) addressed
- A major change to avoid doublures/ overlap between main document and casebook can be considered



Input for
Q004revA

AEC-Q004(-001)

WG Member List

Name	Affiliation	Q004	Q004-001
Banjie Bautista	ISSI	Y	
Andreas Martin	Infineon Technologies		Y
Arthur Chiang	Vishay	Y	
Bassel Atala	STMicoelectronics	Y	
Bruce Hecht	Analog Devices	Y	
Carmen Cotozana	Nexperia	Y	
Carsten Ohlhoff	Continental	Y	
Colman Byrne	Kostal	Y	
Daniel Vanderstraeten	Onsemi	Y	
David Locker	CCDC-AvMC	Y	
David Price	KLA	Y	
Gary Fisher	Gentex	Y	
Holger Neumann	-	Y	Y
Ife Hsu	Intel	Y	
James Johnston	Analog Devices	Y	Y
James Williams	Texas Instruments	Y	
Jason Engel	Skyworks Solutions	Y	
Jay Rathert	KLA	Y	Y
Jeff Jarvis	CCDC-AvMC	Y	
John Grogan	Macronix	Y	
Joop Verwijst	NXP Semiconductors		Y
Kun-Fu Chuang	Winbond	Y	
Lakshmi Kari	Quakcomm	Y	
Ludger Kappius ¹	Hella	Y	
Melissa Uribe	Micron	Y	
Michael Brucker	GlobalFoundries	Y	
Oliver Aubel	GlobalFoundries		Y
Peter Turlo	Onsemi	Y	
Prasad Dhond	Amkor	Y	
Rene Rongen ²	NXP Semiconductors	Y	Y
Robert Kinyanjui	John Deere	Y	
Sultan Lilani	Integra Technologies	Y	
Tom Lawler	Lattice Semiconductors	Y	
Tom VanDamme	Magna	Y	
Ulrich Abelein	Infineon Technologies	Y	Y
Wilhelm Binder	Microchip	Y	Y

To be revisited

1. Sponsor
2. Technical lead

AEC-Q004 – Automotive Zero Defects Framework

Discussion & Questions

