Automotive Electronics Council

Component Technical Committee

AEC-Q004 Zero Defect Framework - Status

October 9th, 2025

Moderator: R. Rongen (NXP)

Content

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

Content

Casebook AEC-Q004-001 - Ballot status

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)

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

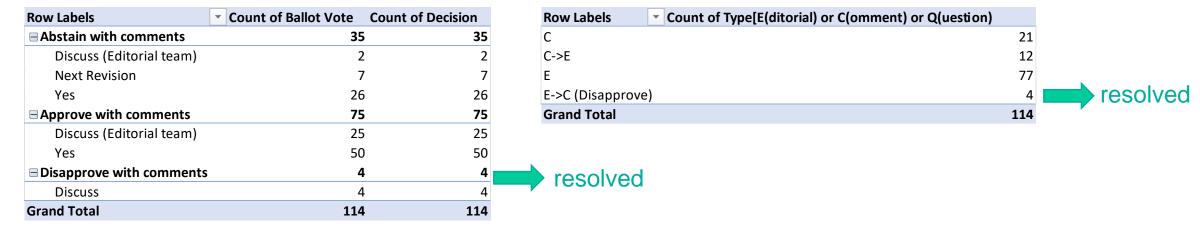
AEC-Q004-001 – ZD Casebook

Ballot Results

Votes:

Approve	45	Total AEC Members	98
Approve w/ Comment	12	Total Received	69 70%
Do Not Approve	1	% Received	
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



Content

1 Casebook AEC-Q004-001 – Ballot status

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

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

AEC-Q004(-001)

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

- 1. Sponsor
- 2. Technical lead

AEC-Q004 – Automotive Zero Defects Framework

Discussion & Questions

