DIN EN ISO/IEC 17025:2018

D-PL-12102-01-00

EMC-Laboratory



| | <u> </u> | | | |
|---------------|--|-----------------------|-------------|--|
| Standard | Title / Description | | Publication | Remark / Limitations |
| IEC 61000-4-2 | Electromagnetic compatibility (EMC) - Part 4-2: Testing and measurement techniques - Electrostatic discharge immunity test | | Dez-2008 | |
| ISO 7637-2 | Road vehicles - Electrical disturbances from conduction and coupling - Part 2: Electrical transient conduction along supply lines only | 2 ed | Jun-2004 | |
| | Road vehicles Electrical disturbances from conduction and coupling Part 2: Electrical transient conduction along supply lines only | 2 ed / AMD 1 | Feb-2008 | |
| | Road vehicles - Electrical disturbances from conduction and coupling - Part 2: Electrical transient conduction along supply lines only | 3 ed | Mrz-2011 | |
| ISO 7637-3 | Road vehicles — Electrical disturbance by conduction and coupling Part 3: Vehicles with nominal 12 V or 24 V supply voltage Electrical transient transmission by capacitive and inductive coupling via lines other than supply lines | | Jul-1995 | |
| | Road vehicles — Electrical disturbance by conduction and coupling Part 3: Vehicles with nominal 12 V or 24 V supply voltage Electrical transmission by capacitive and inductive coupling via lines other than supply lines — Technical Corrigendum 1 | 1 ed / COR 1 Nov-1995 | | |
| | Road vehicles - Electrical disturbances from conduction and coupling - Part 3: Electrical transient transmission by capacitive and inductive coupling via lines other than supply lines | 2 ed | Jul-2007 | |
| | Road vehicles - Electrical disturbances from conduction and coupling - Part 3: Electrical transient transmission by capacitive and inductive coupling via lines other than supply lines | 3 ed | Jul-2016 | |
| ISO 10605 | Road vehicles — Test methods for electrical disturbances from electrostatic discharge | 1 ed | Dez-2001 | |
| | Road vehicles - Test methods for electrical disturbances from electrostatic discharge | 2 ed | Jul-2008 | |
| | Road vehicles — Test methods for electrical disturbances from electrostatic discharge Technical Corrigendum 1 | 2 ed / COR 1 | Mrz-2010 | |
| | Road vehicles — Test methods for electrical disturbances from electrostatic discharge Amendment 1 | 2 ed / AMD 1 | Apr-2014 | |
| | Road vehicles — Test methods for electrical disturbances from electrostatic discharge | 3.0 | Jun-2023 | |
| ISO 11452-2 | Road vehicles Component test methods for electrical disturbances from narrowband radiated electromagnetic energy Part 2: Absorber-lined shielded enclosure | 2 ed | Nov-2004 | |
| | Road vehicles Component test methods for electrical disturbances from narrowband radiated electromagnetic energy Part 2: Absorber-lined shielded enclosure | 3 ed | Jan-2019 | without chapter 8 for DUT powered by a shielded power system |

DIN EN ISO/IEC 17025:2018

D-PL-12102-01-00

EMC-Laboratory



| Standard | Title / Description | | Publication | Remark / Limitations |
|-------------|--|--------------|-------------|--|
| ISO 11452-3 | Road vehicles Component test methods for electrical disturbances from narrowband radiated electromagnetic energy Part 3: Transverse electromagnetic (TEM) cell | 2 ed | Mrz-2001 | |
| | Road vehicles Component test methods for electrical disturbances from narrowband radiated electromagnetic energy Part 3: Transverse electromagnetic (TEM) cell | 3 ed | Sep-2016 | |
| ISO 11452-4 | Road vehicles Component test methods for electrical disturbances from narrowband radiated electromagnetic energy Part 4: Bulk current injection (BCI) | 2 ed | Feb-2001 | |
| | Road vehicles Component test methods for electrical disturbances from narrowband radiated electromagnetic energy Part 4: Bulk current injection (BCI) | 3 ed | Apr-2005 | |
| | Road vehicles Component test methods for electrical disturbances from narrowband radiated electromagnetic energy Part 4: Bulk current injection (BCI) - Technical Corrigendum 1 | 3 ed / COR 1 | Aug-2009 | |
| | Road vehicles Component test methods for electrical disturbances from narrowband radiated electromagnetic energy Part 4: Harness excitation methods | 4 ed | Dez-2011 | |
| | Road vehicles Component test methods for electrical disturbances from narrowband radiated electromagnetic energy Part 4: Harness excitation methods | 5 ed | Apr-2020 | without chapter 8 for DUT powered by a shielded power system |
| ISO 11452-5 | Road vehicles Component test methods for electrical disturbances from narrowband radiated electromagnetic energy Part 5: Stripline | 2 ed | Apr-2002 | |
| ISO 11452-7 | Road vehicles Component test methods for electrical disturbances from narrowband radiated electromagnetic energy Part 7: Direct radio frequency (RF) power injection | 2 ed | Nov-2003 | |
| | Road vehicles Component test methods for electrical disturbances from narrowband radiated electromagnetic energy Part 7: Direct radio frequency (RF) power injection — Amendment 1 | 2 ed / AMD 1 | Jun-2013 | |
| ISO 11452-8 | Road vehicles Component test methods for electrical disturbances from narrowband radiated electromagnetic energy Part 8: Immunity to magnetic fields | 1 ed | Jul-2007 | |
| | Road vehicles Component test methods for electrical disturbances from narrowband radiated electromagnetic energy Part 8: Immunity to magnetic fields | 2 ed | Jun-2015 | |

DIN EN ISO/IEC 17025:2018

D-PL-12102-01-00

EMC-Laboratory



| Standard | Title / Description | | Publication | Remark / Limitations |
|-------------|---|--------------|-------------|--|
| ISO 11452-9 | Road vehicles Component test methods for electrical disturbances from narrowband radiated electromagnetic energy Part 9: Portable transmitters | 1 ed | Mai-2012 | |
| | Road vehicles Component test methods for electrical disturbances from narrowband radiated electromagnetic energy Part 9: Portable transmitters | | Okt-2021 | without power supply for High-Voltage-Systems |
| ISO 16750-2 | Road vehicles - Environmental conditions and testing for electrical and electronic equipment Part 2: Electrical loads 4 ed | | Nov-2012 | without Withstand Voltage without Insulation Resistance |
| | Road vehicles - Environmental conditions and testing for electrical and electronic equipment Part 2: Electrical loads 5 ed | | Jul-2023 | without Withstand Voltage without Insulation Resistance |
| | Radio disturbance characteristics for the protection of receivers used on board vehicles, boats, and on devices Limits and methods of measurement | 2 ed | Aug-2002 | without chapter 5 Measurement of emissions received by an antenna on the same vehicl |
| | Corrigendum 1 - Radio disturbance characteristics for the protection of receivers used on board vehicles, boats, and on devices - Limits and methods of measurement 2 ed / COR 1 | | Mrz-2004 | |
| | Radio disturbance characteristics for the protection of receivers used on board vehicles, boats, and on devices Limits and methods of measurement 3 ed | | Mrz-2008 | without chapter 5 Measurement of emissions received by an antenna on the same vehicle |
| | Corrigendum 1 - Vehicles, boats and internal combustion engines - Radio disturbance characteristics Limits and methods of measurement for the protection of on-board receivers | 3 ed / COR 1 | | |
| CISPR 25 | Vehicles, boats and internal combustion engines - Radio disturbance characteristics Limits and methods of measurement for the protection of on-board receivers | | Okt-2016 | without chapter 5 Measurement of emissions received by an antenna on the same vehicle without Annex I Test methods for shielded power supply systems for high voltages in electric and hybrid vehicles |
| | Corrigendum 1 - Vehicles, boats and internal combustion engines - Radio disturbance characteristics Limits and methods of measurement for the protection of on-board receivers | 4 ed / COR 1 | Okt-2017 | |
| | Vehicles, boats and internal combustion engines - Radio disturbance characteristics Limits and methods of measurement for the protection of on-board receivers | | Dez-2021 | without chapter 5 Measurement of emissions received by an antenna on the same vehicle without Annex H Test methods for power supply systems for high voltages in electric and hybrid vehicles |

DIN EN ISO/IEC 17025:2018

D-PL-12102-01-00





| Standard | Title / Description | Version | Publication | Remark / Limitations |
|----------------|---|---------|-------------|----------------------|
| SAE J1113-4 | Immunity to Radiated Electromagnetic Fields - Bulk Current Injection (BCI) Method | | Aug-2004 | |
| | Immunity to Radiated Electromagnetic Fields - Bulk Current Injection (BCI) Method | | Apr-2014 | |
| | Immunity to Radiated Electromagnetic Fields - Bulk Current Injection (BCI) Method | | Feb-2020 | |
| SAE J1113-13 | Electromagnetic Compatibility Measurement Procedure for Vehicle Components Part 13: Immunity to Electrostatic Discharge | | Nov-2004 | |
| | Electromagnetic Compatibility Measurement Procedure for Vehicle Components Part 13: Immunity to Electrostatic Discharge | | Jun-2011 | |
| | Electromagnetic Compatibility Measurement Procedure for Vehicle Components Part 13: Immunity to Electrostatic Discharge | | Feb-2015 | |
| SAE J1113-21 * | Electromagnetic Compatibility Measurement Procedure for Vehicle Components Part 21: Immunity to Electromagnetic Fields, 30 MHz to 18 GHz, Absorber-Lined Chamber | | Jan-1998 | |
| | Electronmagnetic Compatibility Measurement Procedure for Vehicle Components Part 21: Immunity to Electromagnetic Fields, 30 MHz to 18 GHz, Absorber-Lined Chamber | | Okt-2005 | |
| SAE J1113-23 * | Electromagnetic Compatibility Measurement Procedure for Vehicle Components Immunity to Radiated Electromagnetic Fields, 10 Khz to 200 Mhz, Strip Line Method | | Sep-1995 | |
| SAE J1113-25 * | Electromagnetic Compatibility Measurement Procedure for Vehicle Components Immunity to Radiated Electromagnetic Fields, 10 KHz to 1000 MHz Tri-Plate Line Method | | Feb-1999 | |
| | | | | |

Ansprechpartner Contact Person

Herbert Seitle / A QE QL ING EMC / +49-841-881-2453

S-list Id. 17394022; Decision date: 05 Feb 2024 13:04:09; This document does not contain sensitive information; Page: 5 of 5.

Creation date: 05 Feb 2024 09:01:24 **S-list Id:** 17394022 Last action date: 05 Feb 2024 13:04:09 S-list file: D-PL-12102-01-00_A-QE-QL-ING-

EMC_Scope_2024-02-05.pdf

Status: APPROVED Duration: 0

Group: QL Auditmanagement Category: ISO/IEC 17025 - extern

Sensitive information: No Retention time: 5 years

Explanation: Liste der akkreditierten Tätigkeiten im flexiblen Geltungsbereich der Akkreditierung QL ING EMC-Lab Update: ISO 10605 (2023-06) und ISO 16750-2 (2023-07) hinzugefügt Anfrage von Christian Rauchecker

Initiator name: Hensengerth Norbert Initiator email: norbert.hensengerth@continental-

corporation.com

Initiator department: A Q QL CM&DS1 Initiator login name: cw01\uid04012

| Signer | Function | Set type/name | Decision | S-list comments |
|--|-----------------------------------|---------------------------------------|---|-----------------|
| Hensengerth Norbert (A Q QL CM&DS1) cw01\uid04012-norbert.hensengerth@contine ntal-corporation.com | QL Auditmanagement | AND / QL Lab Accreditation & Auditing | Accept 05 Feb 2024 09:04:52 via eSign | |
| Seitle Herbert (A Q QL ING EMC) auto\seitleh- herbert.seitle@continental- corporation.com | Head of Laboratory | AND / Laboratory | Accept 05 Feb 2024 13:04:09 via eSign | |
| Rauchecker Christian (A Q QL ING EMC) auto\raucheckerc-christian.rauchecker@continen tal-corporation.com | Quality Management Responsible | AND / Laboratory | Accept 05 Feb 2024 09:18:08 via eSign | |