

DIN EN ISO 15118-8:2019-08 (E)

Road vehicles - Vehicle to grid communication interface - Part 8: Physical layer and data link layer requirements for wireless communication (ISO 15118-8:2018); English version EN ISO 15118-8:2019, only on CD-ROM

| Contents | | Page |
|---|--|-------------|
| Foreword | | iv |
| Introduction | | v |
| 1 | Scope | 1 |
| 2 | Normative references | 1 |
| 3 | Terms and definitions | 1 |
| 4 | Abbreviated terms | 2 |
| 5 | Conventions | 3 |
| 5.1 | Definition of OSI based services | 3 |
| 5.2 | Requirement structure | 3 |
| 6 | System architecture | 3 |
| 7 | Wireless communication requirements | 4 |
| 7.1 | Overview | 4 |
| 7.2 | SECC requirements | 5 |
| 7.2.1 | General | 5 |
| 7.2.2 | WLAN technology | 5 |
| 7.2.3 | WLAN frequency and channel | 6 |
| 7.2.4 | SECC channel scanning and selection | 8 |
| 7.2.5 | Quality of service | 9 |
| 7.2.6 | Association support | 10 |
| 7.2.7 | Layer 2 interfaces | 14 |
| 7.2.8 | Pairing | 14 |
| 7.3 | EVCC requirements | 15 |
| 7.3.1 | General | 15 |
| 7.3.2 | WLAN technology | 15 |
| 7.3.3 | WLAN frequency and channel | 15 |
| 7.3.4 | Quality of service | 16 |
| 7.3.5 | Association support | 16 |
| 7.3.6 | Layer 2 interfaces | 18 |
| 7.4 | Security | 19 |
| Annex A (informative) Mounting location of wireless communication module and antenna | | 20 |
| Annex B (informative) Interference scan and auto channel selection example | | 24 |
| Annex C (informative) Introduction of service available area | | 27 |
| Annex D (informative) National regulations in usage of U-NII bands | | 29 |
| Bibliography | | 34 |