

ISO 15118-8:2018-03 (E)

Road vehicles - Vehicle to grid communication interface - Part 8: Physical layer and data link layer requirements for wireless communication

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