

DIN EN ISO 15118-1:2015-12 (E)

Road vehicles - Vehicle to grid communication interface - Part 1: General information and use-case definition (ISO 15118-1:2013); English version EN ISO 15118-1:2015

Inhalt	Seite
Nationaler Anhang NA (informativ) Begriffe	3
3 Begriffe	3

Contents	Page
Foreword	2
Introduction	3
1 Scope	5
2 Normative references	5
3 Terms and definitions	6
4 Symbols and abbreviated terms	13
5 Requirements	14
5.1 Communication concept	14
5.2 General considerations	15
5.3 User-specific requirements	15
5.4 OEM-specific requirements	16
5.5 Utility-specific requirements	17
6 Actors	18
6.1 General	18
7 Use Case Elements	19
7.1 General	19
7.2 Start of charging process [A]	21
7.3 Communication set-up [B]	24
7.4 Certificate handling [C]	24
7.5 Identification and Authorization [D]	27
7.6 Target setting and charging scheduling [E]	33
7.7 Charging controlling and re-scheduling [F]	40
7.8 Value Added Services [G]	46
7.9 End of charging process [H]	47
Annex A (informative) Charging infrastructure architecture	49
Annex B (informative) Security	59
Annex C (informative) Examples of charging scenarios derived from the use case elements	64
Bibliography	69