

ISO 20077-2:2018-01 (E)

Road Vehicles - Extended vehicle (ExVe) methodology - Part 2: Methodology for designing the extended vehicle

Contents	Page
Foreword	iv
Introduction	v
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Abbreviated terms	2
5 Conventions for identifying rules and basic principles and for specifying their content	3
6 Overview of the design methodology of the extended vehicle	3
6.1 Role of the design methodology in the design process of an extended vehicle	3
6.2 The ExVe design methodology content	4
6.3 Consideration of new ExVe functionalities	5
7 ExVe design methodology -- Rules	6
7.1 General	6
7.2 Safety related rule	6
7.3 Security related rule	7
8 ExVe Design Methodology -- Basic principles	7
8.1 General	7
8.2 General basic principles	8
8.3 Basic principles related to life-cycle (e.g. assembly, customer use)	8
8.4 Basic principle related to remote access	9
8.5 Basic principle related to the existing design of an extended vehicle	10
8.6 Basic principle related to interactions and management of priorities between the ExVe functionalities	12
8.7 Basic principle related to non-regression and availability of resources	12
8.8 Basic principle related to validation of the ExVe functionality	14
8.9 Basic principles related to non-monitoring	14
9 ExVe design methodology -- Templates	14
9.1 General	14
9.2 Template for technical request	15
9.3 Template for technical response	16
Annex A (normative) Template for technical request	19
Annex B (normative) Template for technical response	20
Bibliography	21