ISO 23629-12:2022-07 (E)

UAS traffic management (UTM) - Part 12: Requirements for UTM service providers

Contents

Page

Foreword v

Introduction vi

1 Scope 1

2 Normative references 1

3 Terms and definitions 1

4 Abbreviated terms 3

5 Service provision 4
5.1 SP key tasks 4
5.2 Geographical scope 4
5.3 Technical requirements 4
5.4 Interoperability and electromagnetic compatibility 5
5.5 Subcontracts 5

6 Safety 5
6.1 Requirements for all SPs 5
6.2 Additional requirements for safety-related UTM SPs 6
6.3 Additional requirements for safety-critical UTM SPs 7
6.4 Tasks of the COMO 8
6.5 Tasks of the SAFO 8

7 Security 9
7.1 Requirements for all SPs 9
7.2 Additional requirements for safety-related UTM SPs 10
7.3 Additional requirements for safety-critical UTM SPs 10
7.4 Tasks of the SECO 11

8 Software safety assurance 12
8.1 Requirements for all SPs 12
8.2 Additional requirements for safety-related UTM SPs 12
8.3 Additional requirements for safety-critical UTM SPs 12

9 Contingencies 13
9.1 Requirements for all SPs 13
9.2 Additional requirements for safety-related UTM SPs 13
9.3 Additional requirements for safety-critical UTM SPs 13

10 Maintenance 14
10.1 Requirements for all SPs 14
10.2 Additional requirements for safety-related UTM SPs 14
10.3 Additional requirements for safety-critical UTM SPs 15

11 Privacy and data protection 15
11.1 Requirements for all SPs 15
11.2 Additional requirements for UTM SPs 15
11.3 Tasks of the DPO 16

12 Personnel competency 16
12.1 Requirements for all SPs 16
12.2 Additional requirements for safety-related UTM SPs 17
12.3 Additional requirements for safety-critical UTM SPs 18

13 Manuals, procedures and records 18
13.1 Requirements for all SPs 18
13.2 Additional requirements for safety-related UTM SPs 19
13.3 Additional requirements for safety-critical UTM SPs 19

14 Insurance 19

Annex A (normative) Safety-critical UTM services 20

Annex B (normative) Safety-related UTM services 22

Annex C (normative) Operation support services 24

Bibliography 25