

ISO 23629-7:2021-09 (E)

UAS traffic management (UTM) - Part 7: Data model for spatial data

| Contents | | Page |
|-----------------------|----------------------------------------------|-------------|
| Foreword | | iv |
| Introduction | | v |
| 1 | Scope | 1 |
| 2 | Normative references | 1 |
| 3 | Terms and definitions | 1 |
| 4 | Data model | 2 |
| 4.1 | Overall data model | 2 |
| 4.2 | Ground map package | 3 |
| 4.2.1 | Overview | 3 |
| 4.2.2 | Attributes of takeoff and landing area | 3 |
| 4.2.3 | Attributes of land | 4 |
| 4.3 | Obstacle data package | 5 |
| 4.3.1 | Overview | 5 |
| 4.3.2 | Attributes of static obstacle | 5 |
| 4.3.3 | Attributes of temporal obstacle | 5 |
| 4.4 | Virtual data package | 6 |
| 4.4.1 | Overview | 6 |
| 4.4.2 | Attributes of airspace | 6 |
| 4.4.3 | Attributes of flight route | 6 |
| 4.4.4 | Attributes of CNS coverage | 7 |
| 4.5 | Dynamic data package | 7 |
| 4.5.1 | Overview | 7 |
| 4.5.2 | Object sub-package | 8 |
| 4.5.3 | Phenomena sub-package | 9 |
| Annex A (informative) | Examples of information | 11 |
| Annex B (informative) | Use cases | 12 |
| Bibliography | | 26 |