

DIN CEN/TS 16157-8:2020-06 (E)

Intelligent transport systems - DATEX II data exchange specifications for traffic management and information - Part 8: Traffic management publications and extensions dedicated to the urban environment; English version CEN/TS 16157-8:2020

| Contents | Page |
|--|-------------|
| European foreword..... | 4 |
| Introduction | 5 |
| 1 Scope..... | 6 |
| 2 Normative references..... | 6 |
| 3 Terms and definitions | 7 |
| 4 Symbols and abbreviations | 8 |
| 5 Conformance..... | 8 |
| 6 UML notation | 8 |
| 7 «D2Namespace» UrbanExtensions | 9 |
| 7.1 Overview | 9 |
| 7.2 ClassifiedDelay Class..... | 9 |
| 7.3 EquipmentOrSystemType Class..... | 11 |
| 7.4 GeneralInstructionsToRoadUsers Class | 12 |
| 7.5 GeneralNetworkManagementType Class | 12 |
| 7.6 InfrastructureDamageType Class | 13 |
| 7.7 InfrastructureDescriptor Class | 13 |
| 7.8 LaneEnum Class | 14 |
| 7.9 NonVehicularRoadUsers Classes | 15 |
| 7.10 ObstructionType Class | 16 |
| 7.11 RoadOrCarriagewayOrLaneManagement Class | 17 |
| 7.12 StreetWorks Class | 18 |
| 7.13 VehicleType Class..... | 19 |
| 8 «D2Namespace» ReroutingManagementEnhanced..... | 19 |
| 8.1 Overview | 19 |
| 8.2 Semantics - Rerouting management and route description | 21 |
| 8.3 Semantics - Route allocation | 22 |
| 8.4 Semantics - Route capacity management | 23 |
| 9 «D2Namespace» TrafficManagementPlan | 24 |
| 9.1 Overview | 24 |
| 9.2 «D2Package» TmplnTablePublication..... | 25 |
| 9.3 «D2Package» TmplnOperationPublication..... | 27 |
| 9.4 Traffic management extension for implementing action | 30 |
| 9.5 Sign setting extension..... | 31 |
| Annex A (normative) Data Dictionary | 33 |
| A.1 Overview | 33 |
| A.2 Data Dictionary for “UrbanExtensions” | 34 |
| A.3 Data Dictionary of «D2Datatype» for “UrbanExtensions” | 37 |
| A.4 Data Dictionary of «D2Enumeration» for “UrbanExtensions” | 37 |
| A.5 Data Dictionary for “ReroutingManagementEnhanced” | 44 |

| | | |
|----------------------------|---|-----------|
| A.6 | Data Dictionary of «D2Datatype» for “ReroutingManagementEnhanced” | 51 |
| A.7 | Data Dictionary of «D2Enumeration» for “ReroutingManagementEnhanced” | 51 |
| A.8 | Data Dictionary for “Traffic Management Plan” | 52 |
| A.9 | Data Dictionary of «D2Datatype» for “TrafficManagementPlan” | 68 |
| A.10 | Data Dictionary of «D2Enumeration» for “TrafficManagementPlan” | 68 |
| Annex B (normative) | Referenced XML Schema for “Traffic management publications dedicated to the urban environment” | 71 |
| B.1 | Overview | 71 |
| B.2 | Urban Extensions | 71 |
| B.3 | ReroutingManagementEnhanced | 75 |
| B.4 | Traffic Management Plan | 81 |
| Bibliography | | 96 |