ISO 19297-1:2019 (E)

Intelligent transport systems — Shareable geospatial databases for ITS applications — Part 1: Framework

Contents

Foreword

Introduction

1 Scope

2 Normative references

3 Terms and definitions

4 Symbols and abbreviated terms

5 Shareable geospatial database framework

- 5.1 Concept
- 5.2 Architecture of the shareable geospatial database framework
- 5.2.1 Tier 1
- 5.2.2 Tier 2
- 5.2.3 Tier 3
- 5.2.4 Tier 4
- 5.3 Characteristics and capabilities of the framework
- 5.3.1 Scalable architecture
- 5.3.2 Operational levels
- 5.3.3 Geospatial data model types
- 5.3.4 Real time data handling ITS applications support

Annex A (informative) Geospatial data sharing

- A.1 General
- A.2 Benefits of geospatial database sharing
- A.3 Database sharing approaches
- A.3.1 General
- A.3.2 Data warehousing approach
- A.3.3 Federated database approach

Annex B (informative) Possible services with the shareable geospatial database framework

- B.1 General
- B.2 Information provisioning
- B.3 Multimodal and cross navigation services
- B.4 Transportation data content update
- B.5 Geospatial content mashups
- B.6 Real time data handling services

Page count: 12