

ISO/TR 19175:2025-06 (E)

Geographic information - Gap analysis of geospatial standards for indoor-outdoor seamless navigation

| Contents | | Page |
|---------------------|--|-------------|
| Foreword | | iv |
| Introduction | | v |
| 1 | Scope | 1 |
| 2 | Normative references | 1 |
| 3 | Terms, definitions and abbreviated terms | 1 |
| | 3.1 Terms and definitions | 1 |
| | 3.2 Abbreviated terms | 3 |
| 4 | Indoor-outdoor seamless navigation | 4 |
| | 4.1 Overview | 4 |
| | 4.2 Indoor navigation | 4 |
| | 4.3 Issues for indoor-outdoor seamless navigation | 5 |
| | 4.4 Requirements for indoor-outdoor seamless navigation | 5 |
| 5 | Conceptual architecture for indoor-outdoor seamless navigation | 6 |
| | 5.1 Overview | 6 |
| | 5.2 Use case development | 7 |
| 6 | Gap analysis | 10 |
| | 6.1 Overview | 10 |
| | 6.2 Indoor-Outdoor Map Specification for Indoor-Outdoor Navigation | 11 |
| | 6.3 Guide for the integration of indoor and outdoor data for indoor-outdoor navigation | 12 |
| | 6.4 Data Model of Indoor-Outdoor Positioning References | 12 |
| | 6.5 Guide for context information exchange for indoor-outdoor seamless navigation | 13 |
| 7 | Applications examples of indoor-outdoor seamless navigation | 13 |
| 8 | Summary and Recommendation | 14 |
| | Bibliography | 15 |