

ISO 22840:2010-04 (E)

Intelligent transport systems - Devices to aid reverse manoeuvres - Extended-range backing aid systems (ERBA)

| Contents | | Page |
|------------------------------------|---|-------------|
| Foreword | | iv |
| Introduction | | v |
| 1 | Scope | 1 |
| 2 | Normative references | 2 |
| 3 | Terms and definitions | 2 |
| 4 | Symbols and abbreviated terms | 4 |
| 5 | Functional and performance requirements | 5 |
| 5.1 | Steering angle | 5 |
| 5.2 | Detection range | 5 |
| 5.3 | Minimum performance requirements | 5 |
| 5.4 | Detection latency | 6 |
| 5.5 | Driver interface and information strategy | 7 |
| 5.6 | System activation | 9 |
| 5.7 | System deactivation | 9 |
| 5.8 | Operation with trailers | 9 |
| 5.9 | Presence detection requirements | 9 |
| 5.10 | Dynamic detection requirements | 11 |
| 5.11 | Self-test capabilities and failure indications | 12 |
| 6 | Requirements and tests for components | 12 |
| 7 | Test requirements | 12 |
| 7.1 | Test objects | 12 |
| 7.2 | Ambient conditions -- General | 13 |
| 7.3 | Response time for object detection | 13 |
| 7.4 | Test requirements -- Presence warning | 14 |
| 7.5 | Test requirements -- Dynamic warning | 15 |
| 7.6 | Detection acceptance criteria -- Presence warning | 17 |
| 7.7 | Detection acceptance criteria -- Dynamic warning | 19 |
| Annex A (normative) Examples | | 20 |
| Bibliography | | 24 |