

## Design Guidelines

# Table of Contents and version management

03-04-2025



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# 1. Document encoding

Rail Baltica Design Guidelines (DG) document titles follow the structure AAAA-BBB-XXX-YYYY\_DocumentTitle:

- AAAA: RBDG;
- BBB:
  - MAN – Manual, used for documents that form the DG and contain important information for the design process (for example – document on Railway Superstructure - Track);
  - TPL – Template, used for templates prepared for DG (for example – templates for the Change Management Procedure);
  - DWG – Drawing, used for technical drawings of DG (for example – cross-section of main line embankment);
  - RVT – Revit file drawings, used for architectural drawings
  - INF – Information, used for supporting information for DG implementation (for example – table of contents and version management);
  - DER – Derogation, used for documents explaining the specific accepted derogation from the DG;
  - CMF – Change Management Form, used for Change Management process;
  - TSA – Technical Study from applicant, used for Change Management process;
  - TSR – Technical Study from RB Rail, used for Change Management process;
- XXX: document number (for example – 014 for Railway Superstructure - Track);
- YYYY: version number (for example – 0101 for version 1.1);
- Document Title: title of the document.

For example, a file can be called RBDG-MAN-014-0101\_RailwaySuperstructure-Track.

## 2. DG documents

1. RBDG-INF-001 Table of Contents and version management
2. RBDG-INF-002 BIM Strategy Framework
3. RBDG-INF-003 Design Guidelines Clarifications
4. RBDG-INF-004 Design Guidelines Derogations
5. RBDG-MAN-011 Change management procedure
6. RBDG-MAN-012 General requirements
7. RBDG-MAN-013 Railway alignment
8. RBDG-MAN-014 Railway superstructure – track
9. RBDG-MAN-015 Railway substructure, Part 1 – embankments and earthworks
10. RBDG-MAN-016 Railway substructure, Part 2 – hydraulic, drainage and culverts
11. RBDG-MAN-017 Railway substructure, Part 3 – bridges, overpasses, tunnels and similar structures
12. RBDG-MAN-018 Railway energy, Part 1 – traction power system
13. RBDG-MAN-019 Railway energy, Part 2 – catenary
14. RBDG-MAN-020 Railway energy, Part 3 – non-traction power supply
15. RBDG-MAN-021 Railway energy, Part 4 – electromagnetic compatibility
16. RBDG-MAN-022 Railway Control-Command Signalling system
17. RBDG-MAN-023 Railway telecommunications system
18. RBDG-MAN-024 Railway SCADA
19. RBDG-MAN-025 Infrastructure facilities
20. RBDG-MAN-026 Stations and passenger platforms
21. RBDG-MAN-027 Environment
22. RBDG-MAN-028 Mechanical Electrical Plumbing in tunnel
23. RBDG-MAN-029 Adaption to Climate Change
24. RBDG-MAN-030 Building Information Management (BIM) Employers Information Requirements
25. RBDG-MAN-031 Architectural and landscaping, visual design requirements
26. RBDG-MAN-032 RAMS
27. RBDG-MAN-033 BIM Manual
28. RBDG-MAN-034 CAD Standards
29. RBDG-MAN-035 Codification & Data Management
30. RBDG-MAN-036 Security requirements and guidance for designers of Rail Baltica international stations
31. RBDG-MAN-037 Security requirements and guidance for designers of Rail Baltica regional stations
32. RBDG-MAN-038 Geodetic Network Establishment for design stage of Rail Baltica high speed railway
33. RBDG-MAN-039 Geodetic Network Establishment for construction stage of Rail Baltica high speed railway
34. RBDG-MAN-040 Digital Information Requirements for construction and handover stages
35. RBDG-MAN-041 Requirements for site investigation (geological and hydrogeological investigation)

**36. Cross-sections:**

**A. Main line general cross-sections:**

- 1) RBDG-DWG-001 Main line embankment – Double track
- 2) RBDG-DWG-002 Main line embankment – Double track – High height (>12m)
- 3) RBDG-DWG-003 Main line cut – Double track
- 4) RBDG-DWG-004 Main line cut – Double track – Wet cut (with water table)
- 5) RBDG-DWG-005 Main line cut – Double track – Dry cut with high height (>12m) without water table
- 6) RBDG-DWG-006 Main line cut in rock formation – Double track – Dry cut with high height (>12m) with pebble trap
- 7) RBDG-DWG-007 Main line – next to an operational railway line
- 8) RBDG-DWG-008 Main line embankment – Simple track
- 9) RBDG-DWG-009 Main line embankment – Passing loop at grade
- 10) RBDG-DWG-010 International Station
- 11) RBDG-DWG-011 Depot / Multimodal Terminal
- 12) RBDG-DWG-012 Main line – next to an operational railway line with limited right of way
- 13) RBDG-DWG-013 Main line – double track in curve
- 14) RBDG-DWG-014 Depot / Multimodal Terminal

**B. Specific cross sections**

- 1) RBDG-DWG-020 Main line embankment – Acoustic screen on embankment
- 2) RBDG-DWG-021 Main line embankment – Acoustic screen on natural ground
- 3) RBDG-DWG-022 Main line embankment – Embankment in flood plain
- 4) RBDG-DWG-023 Detail – Draining Layer
- 5) RBDG-DWG-024 Detail – Protective Layer
- 6) RBDG-DWG-025 Detail – Draining Spur
- 7) RBDG-DWG-026 Main line embankment – Acoustic protection by merlon

**C. Technical block**

- 1) RBDG-DWG-030 Technical block – Bridge with span
- 2) RBDG-DWG-031 Technical block – Culvert with large thickness of cover materials
- 3) RBDG-DWG-032 Technical block – Culvert with low thickness of cover materials

**D. Drainage**

- 1) RBDG-DWG-033 Drainage – Pipe elevation and plan view
- 2) RBDG-DWG-034 Drainage – Pipe under ground level
- 3) RBDG-DWG-035 Drainage – Pipe at grade
- 4) RBDG-DWG-036 Drainage – Headwall
- 5) RBDG-DWG-037 Drainage – Pipe under ground level with low thickness of cover materials
- 6) RBDG-DWG-038 Drainage – Pipe at grade with low thickness of cover materials

**E. Anti-penetration protection device for highway**

- 1) RBDG-DWG-050 Twinning with high traffic roads, Railway lower than the roadway or higher with a height difference  $< 3m$ , 1<sup>st</sup> case:  $2m \leq L1 \leq 6m$  – solution 1 for twinning area close to 2m
- 2) RBDG-DWG-051 Twinning with high traffic roads, Railway lower than the roadway or higher with a height difference  $< 3m$ , 1<sup>st</sup> case:  $2m \leq L1 \leq 6m$  – solution 2 for twinning area close to 6m
- 3) RBDG-DWG-052 Twinning with high traffic roads, Railway lower than the roadway or higher with a height difference  $< 3m$ , 1<sup>st</sup> case:  $2m \leq L1 \leq 6m$  – solution 3 for situation between solution 1 and 2
- 4) RBDG-DWG-053 Twinning with high traffic roads, Railway lower than the roadway or higher with a height difference  $< 3m$ , 2<sup>nd</sup> case:  $6m \leq L1 \leq 8m$
- 5) RBDG-DWG-054 Twinning with high traffic roads, Railway lower than the roadway or higher with a height difference  $< 3m$ , 3<sup>rd</sup> case:  $8m \leq L1 \leq 17m$  – solution recommended
- 6) RBDG-DWG-055 Twinning with high traffic roads, Railway lower than the roadway or higher with a height difference  $< 3m$ , 3<sup>rd</sup> case:  $8m \leq L1 \leq 17m$  – variant solution
- 7) RBDG-DWG-056 Twinning with high traffic roads, Railway lower than the roadway or higher with a height difference  $< 3m$ , 4<sup>th</sup> case:  $17m \leq L1 \leq 30m$
- 8) RBDG-DWG-057 Twinning with high traffic roads, Railway lower than the roadway or higher with a height difference  $< 3m$ , 5<sup>th</sup> case:  $30m \leq L1 \leq 50m$
- 9) RBDG-DWG-058 Twinning with high traffic roads, Roadway at least 3m lower than the railway

#### F. Anti-Penetration protection device for secondary road

- 1) RBDG-DWG-059 Twinning with secondary roads, High speed line with height difference  $\leq 1m$ , Solution 1: Protection by merlon, Road on embankment
- 2) RBDG-DWG-060 Twinning with secondary roads, High speed line with height difference  $\leq 1m$ , Solution 1: Protection by merlon, Road on low cut or low embankment
- 3) RBDG-DWG-061 Twinning with secondary roads, High speed line with height difference  $\leq 1m$ , Solution 1: Protection by merlon, Road in cut  $> 0,5m$
- 4) RBDG-DWG-062 Twinning with secondary roads, High speed line with height difference  $\leq 1m$ , Solution 2: Protection with safety barrier N2 level, Road on embankment
- 5) RBDG-DWG-063 Twinning with secondary roads, High speed line with height difference  $\leq 1m$ , Solution 2: Protection with safety barrier N2 level, Road on low cut or low embankment
- 6) RBDG-DWG-064 Twinning with secondary roads, High speed line with height difference  $\leq 1m$ , Solution 2: Protection with safety barrier N2 level, Road in cut  $> 0,5m$

#### G. High speed line railway with maintenance road

- 1) RBDG-DWG-065 High speed line railway with maintenance road

#### H. Structures

- 1) RBDG-DWG-070 Viaduct – cross section
- 2) RBDG-DWG-071 Overpass – cross section
- 3) RBDG-DWG-072 Overpass – elevation
- 4) RBDG-DWG-073 Tunnel or cut and cover – cross section
- 5) RBDG-DWG-074 Wildlife overpass – cross section

37. Templates:

- A. RBDG-TPL-010 Change Management Form
- B. RBDG-TPL-011 Technical study from applicant for change management form
- C. RBDG-TPL-012 Technical study from RB Rail for change management form
- D. RBDG-TPL-013 BIM Execution Plan
- E. RBDG-TPL-014 Task Information Delivery Plan
- F. RBDG-TPL-015 Model Information Delivery Plan
- G. RBDG-TPL-016 Codification Tables
- H. RBDG-TPL-017 QEX Report Template
- I. RBDG-TPL-018 QTO Report Template
- J. RBDG-TPL-019 BIM Objects Attributes Matrix
- K. RBDG-TPL-020 BIM Delivery Report Template
- L. RBDG-TPL-021 Data Drop Template
- M. RBDG-TPL-022 QAQC BIM/CAD Checklist Template
- N. RBDG-TPL-023 Clash Detection Report
- O. RBDG-TPL-024 BIM Objects LoG Matrix
- P. RBDG-TPL-025 CAD Template

# 3. Version management

## 3.1 Versions in force list

| Document      | Version | Date       | Valid from |
|---------------|---------|------------|------------|
| RBDG-INF-001  | 0152    | 03.06.2025 | 03.06.2025 |
| RBDG-INF-002  | REMOVED |            |            |
| RBDG-INF-003  | 0118    | 04.04.2025 | 04.04.2025 |
| RBDG-INF-004  | 0130    | 16.12.2024 | 16.12.2024 |
| RBDG-MAN-011  | 0106    | 27.05.2024 | 27.06.2024 |
| RBDG-MAN-012  | 0113    | 08.04.2025 | 03.06.2025 |
| RBDG-MAN-013  | 0106    | 23.07.2024 | 01.10.2024 |
| RBDG-MAN-014  | 0107    | 08.04.2025 | 03.06.2025 |
| RBDG-MAN-014A | 0102    | 23.07.2024 | 01.10.2024 |
| RBDG-MAN-014B | 0104    | 27.06.2023 | 31.07.2023 |
| RBDG-MAN-014C | 0102    | 23.07.2024 | 01.10.2024 |
| RBDG-MAN-014D | 0102    | 26.11.2024 | 04.02.2025 |
| RBDG-MAN-014E | 0102    | 15.10.2024 | 03.12.2024 |
| RBDG-MAN-015  | 0106    | 08.04.2025 | 06.05.2025 |
| RBDG-MAN-016  | 0109    | 08.04.2025 | 03.06.2025 |
| RBDG-MAN-017  | 0113    | 08.04.2025 | 06.05.2025 |
| RBDG-MAN-018  | 0103    | 08.04.2025 | 06.05.2025 |
| RBDG-MAN-019  | 0104    | 08.04.2025 | 06.05.2025 |
| RBDG-MAN-020  | 0103    | 08.04.2025 | 06.05.2025 |

|               |      |            |                            |
|---------------|------|------------|----------------------------|
| RBDG-MAN-021  | 0101 | 19.03.2018 | N/A - First version        |
| RBDG-MAN-022  | 0103 | 27.06.2023 | 31.07.2023                 |
| RBDG-MAN-023  | 0102 | 27.06.2023 | 31.07.2023                 |
| RBDG-MAN-024  | 0102 | 19.03.2018 | 09.05.2022                 |
| RBDG-MAN-025  | 0108 | 08.04.2025 | 06.05.2025                 |
| RBDG-MAN-026  | 0104 | 18.01.2022 | 07.01.2022                 |
| RBDG-MAN-027  | 0106 | 27.06.2023 | 31.07.2023                 |
| RBDG-MAN-028  | 0101 | 19.03.2018 | N/A - First version        |
| RBDG-MAN-029  | 0103 | 06.09.2024 | 01.10.2024                 |
| RBDG-MAN-030  | 0107 | 14.11.2023 | 18.12.2023                 |
| RBDG-MAN-031  | 0109 | 27.06.2023 | 31.07.2023                 |
| RBDG-MAN-0310 | 0101 | 16.12.2019 | 16.12.2019 (first version) |
| RBDG-MAN-031A | 0102 | 12.05.2023 | 01.06.2023                 |
| RBDG-MAN-031B | 0108 | 21.11.2023 | 04.12.2023                 |
| RBDG-MAN-031C | 0101 | 16.12.2019 | 16.12.2019 (first version) |
| RBDG-MAN-031D | 0102 | 13.12.2021 | 13.12.2021                 |
| RBDG-MAN-031E | 0101 | 16.12.2019 | 16.12.2019 (first version) |
| RBDG-MAN-031F | 0104 | 27.06.2023 | 31.07.2023                 |
| RBDG-MAN-031G | 0102 | 21.12.2020 | 21.12.2020                 |
| RBDG-MAN-032  | 0101 | 27.03.2018 | N/A - First version        |
| RBDG-MAN-033  | 0103 | 22.11.2022 | 28.11.2022                 |
| RBDG-MAN-034  | 0102 | 22.11.2022 | 28.11.2022                 |
| RBDG-MAN-035  | 0103 | 12.12.2023 | 29.12.2023                 |
| RBDG-MAN-036  | 0103 | 13.07.2020 | 13.07.2020                 |
| RBDG-MAN-037  | 0100 | 08.03.2022 | 28.03.2022 (first version) |

|              |      |            |                            |
|--------------|------|------------|----------------------------|
| RBDG-MAN-038 | 0101 | 06.09.2024 | 01.10.2024                 |
| RBDG-MAN-039 | 0101 | 06.09.2024 | 01.10.2024                 |
| RBDG-MAN-040 | 0102 | 06.09.2024 | 01.10.2024                 |
| RBDG-MAN-041 | 0100 | 02.05.2024 | 02.07.2024 (first version) |

| Drawing      | Version | Date                | Valid from |
|--------------|---------|---------------------|------------|
| RBDG-DWG-001 | A6      | 23.11.2020          | 09.03.2021 |
| RBDG-DWG-002 | A5      | 23.11.2020          | 09.03.2021 |
| RBDG-DWG-003 | A5      | 23.11.2020          | 09.03.2021 |
| RBDG-DWG-004 | A5      | 23.11.2020          | 09.03.2021 |
| RBDG-DWG-005 | A5      | 23.11.2020          | 09.03.2021 |
| RBDG-DWG-006 | A5      | 23.11.2020          | 09.03.2021 |
| RBDG-DWG-007 | A6      | 23.11.2020          | 09.03.2021 |
| RBDG-DWG-008 | A6      | 23.11.2020          | 09.03.2021 |
| RBDG-DWG-009 | A8      | 23.11.2020          | 09.03.2021 |
| RBDG-DWG-010 | A5      | 03.03.2023          | 23.03.2023 |
| RBDG-DWG-011 | A4      | 26.11.2024          | 04.02.2025 |
| RBDG-DWG-012 | A4      | 23.11.2020          | 09.03.2021 |
| RBDG-DWG-013 | A1      | N/A – First version | 04.02.2025 |
| RBDG-DWG-014 | A1      | N/A – First version | 04.02.2025 |
| RBDG-DWG-020 | A6      | 23.11.2020          | 09.03.2021 |
| RBDG-DWG-021 | A6      | 23.11.2020          | 09.03.2021 |
| RBDG-DWG-022 | A7      | 23.11.2020          | 09.03.2021 |
| RBDG-DWG-023 | A4      | 23.11.2020          | 09.03.2021 |
| RBDG-DWG-024 | A4      | 23.11.2020          | 09.03.2021 |

|              |    |            |                     |
|--------------|----|------------|---------------------|
| RBDG-DWG-025 | A4 | 23.11.2020 | 09.03.2021          |
| RBDG-DWG-026 | A5 | 23.11.2020 | 09.03.2021          |
| RBDG-DWG-030 | A3 | 10.01.2018 | N/A - First version |
| RBDG-DWG-031 | A3 | 10.01.2018 | N/A - First version |
| RBDG-DWG-032 | A3 | 10.01.2018 | N/A - First version |
| RBDG-DWG-033 | A5 | 23.11.2020 | 09.03.2021          |
| RBDG-DWG-034 | A3 | 10.01.2018 | N/A - First version |
| RBDG-DWG-035 | A3 | 10.01.2018 | N/A - First version |
| RBDG-DWG-036 | A3 | 10.01.2018 | N/A - First version |
| RBDG-DWG-037 | A1 | 10.01.2018 | N/A - First version |
| RBDG-DWG-038 | A1 | 20.10.2017 | N/A - First version |
| RBDG-DWG-050 | A2 | 10.01.2018 | N/A - First version |
| RBDG-DWG-051 | A2 | 10.01.2018 | N/A - First version |
| RBDG-DWG-052 | A2 | 10.01.2018 | N/A - First version |
| RBDG-DWG-053 | A2 | 10.01.2018 | N/A - First version |
| RBDG-DWG-054 | A3 | 10.01.2018 | N/A - First version |
| RBDG-DWG-055 | A2 | 10.01.2018 | N/A - First version |
| RBDG-DWG-056 | A2 | 10.01.2018 | N/A - First version |
| RBDG-DWG-057 | A2 | 10.01.2018 | N/A - First version |
| RBDG-DWG-058 | A3 | 16.03.2018 | N/A - First version |
| RBDG-DWG-059 | A3 | 10.01.2018 | N/A - First version |
| RBDG-DWG-060 | A3 | 10.01.2018 | N/A - First version |
| RBDG-DWG-061 | A2 | 15.11.2017 | N/A - First version |
| RBDG-DWG-062 | A3 | 10.01.2018 | N/A - First version |
| RBDG-DWG-063 | A3 | 10.01.2018 | N/A - First version |

|              |      |            |                     |
|--------------|------|------------|---------------------|
| RBDG-DWG-064 | A3   | 10.01.2018 | N/A - First version |
| RBDG-DWG-065 | A2   | 06.12.2021 | 06.12.2021          |
| RBDG-DWG-070 | A7   | 16.10.2020 | 21.12.2020          |
| RBDG-DWG-071 | A5   | 28.06.2023 | 31.07.2023          |
| RBDG-DWG-072 | A4   | 07.06.2021 | 07.06.2021          |
| RBDG-DWG-073 | A7   | 23.11.2020 | 09.03.2021          |
| RBDG-RVT-001 | 0101 | 16.12.2019 | 16.12.2019          |
| RBDG-RVT-002 | 0101 | 16.12.2019 | 16.12.2019          |
| RBDG-RVT-003 | 0101 | 16.12.2019 | 16.12.2019          |
| RBDG-RVT-004 | 0101 | 16.12.2019 | 16.12.2019          |
| RBDG-RVT-005 | 0101 | 16.12.2019 | 16.12.2019          |
| RBDG-RVT-006 | 0101 | 16.12.2019 | 16.12.2019          |
| RBDG-RVT-007 | 0101 | 16.12.2019 | 16.12.2019          |
| RBDG-RVT-008 | 0101 | 16.12.2019 | 16.12.2019          |
| RBDG-RVT-009 | 0101 | 16.12.2019 | 16.12.2019          |
| RBDG-RVT-010 | 0101 | 16.12.2019 | 16.12.2019          |

| Template     | Version | Date       | Valid from          |
|--------------|---------|------------|---------------------|
| RBDG-TPL-010 | 0101    | 15.02.2018 | N/A - First version |
| RBDG-TPL-011 | 0101    | 15.02.2018 | N/A - First version |
| RBDG-TPL-012 | 0101    | 15.02.2018 | N/A - First version |
| RBDG-TPL-013 | 0102    | 16.12.2019 | 16.12.2019          |
| RBDG-TPL-014 | 0102    | 16.12.2019 | 16.12.2019          |
| RBDG-TPL-015 | 0102    | 16.12.2019 | 16.12.2019          |
| RBDG-TPL-016 | 0103    | 21.12.2020 | 21.12.2020          |

|              |      |            |            |
|--------------|------|------------|------------|
| RBDG-TPL-017 | 0102 | 21.12.2020 | 21.12.2020 |
| RBDG-TPL-018 | 0102 | 21.12.2020 | 21.12.2020 |
| RBDG-TPL-019 | 0103 | 21.12.2020 | 21.12.2020 |
| RBDG-TPL-020 | 0101 | 01.04.2019 | 01.04.2019 |
| RBDG-TPL-021 | 0101 | 01.04.2019 | 01.04.2019 |
| RBDG-TPL-022 | 0101 | 01.04.2019 | 01.04.2019 |
| RBDG-TPL-023 | 0101 | 01.04.2019 | 01.04.2019 |
| RBDG-TPL-024 | 0102 | 21.12.2020 | 21.12.2020 |
| RBDG-TPL-025 | 0101 | 16.12.2019 | 16.12.2019 |

### 3.2 Old versions list

| Document     | Version | Valid from          | Valid up to |
|--------------|---------|---------------------|-------------|
| RBDG-MAN-011 | 0101    | N/A – First version | 09.08.2018  |
| RBDG-MAN-011 | 0102    | 10.08.2018          | 17.12.2018  |
| RBDG-MAN-014 | 0101    | N/A – First version | 17.12.2018  |
| RBDG-MAN-015 | 0101    | N/A – First version | 17.12.2018  |
| RBDG-MAN-012 | 0101    | N/A – First version | 31.03.2019  |
| RBDG-MAN-013 | 0101    | N/A – First version | 31.03.2019  |
| RBDG-MAN-014 | 0102    | 18.12.2018          | 31.03.2019  |
| RBDG-MAN-016 | 0101    | N/A – First version | 31.03.2019  |
| RBDG-MAN-017 | 0101    | N/A – First version | 31.03.2019  |
| RBDG-MAN-022 | 0101    | N/A – First version | 31.03.2019  |
| RBDG-MAN-025 | 0101    | N/A – First version | 31.03.2019  |

| Document      | Version | Valid from          | Valid up to |
|---------------|---------|---------------------|-------------|
| RBDG-MAN-029  | 0101    | N/A – First version | 31.03.2019  |
| RBDG-MAN-030  | 0101    | N/A – First version | 31.03.2019  |
| RBDG-MAN-012  | 0102    | 01.04.2019          | 20.05.2019  |
| RBDG-MAN-012  | 0103    | 21.05.2019          | 16.12.2019  |
| RBDG-MAN-015  | 0102    | 18.12.2018          | 16.12.2019  |
| RBDG-MAN-016  | 0102    | 01.04.2019          | 16.12.2019  |
| RBDG-MAN-017  | 0102    | 01.04.2019          | 16.12.2019  |
| RBDG-MAN-019  | 0101    | N/A - First version | 16.12.2019  |
| RBDG-MAN-026  | 0101    | N/A - First version | 16.12.2019  |
| RBDG-MAN-027  | 0101    | N/A - First version | 16.12.2019  |
| RBDG-MAN-030  | 0102    | 01.04.2019          | 16.12.2019  |
| RBDG-MAN-031  | 0102    | 18.04.2019          | 16.12.2019  |
| RBDG-MAN-012  | 0104    | 16.12.2019          | 08.01.2020  |
| RBDG-MAN-031  | 0103    | 16.12.2019          | 05.02.2020  |
| RBDG-MAN-016  | 0103    | 16.12.2019          | 27.04.2020  |
| RBDG-MAN-019  | 0102    | 16.12.2019          | 27.04.2020  |
| RBDG-MAN-031B | 0101    | 16.12.2019          | 27.04.2020  |
| RBDG-MAN-036  | 0101    | 16.12.2019          | 27.04.2020  |
| RBDG-MAN-013  | 0102    | 01.04.2019          | 13.07.2020  |
| RBDG-MAN-014  | 0103    | 01.04.2019          | 13.07.2020  |
| RBDG-MAN-017  | 0103    | 16.12.2019          | 13.07.2020  |
| RBDG-MAN-025  | 0102    | 01.04.2019          | 13.07.2020  |
| RBDG-MAN-036  | 0102    | 27.04.2020          | 13.07.2020  |
| RBDG-MAN-014  | 0104    | 13.07.2020          | 21.12.2020  |

| Document      | Version | Valid from | Valid up to |
|---------------|---------|------------|-------------|
| RBDG-MAN-015  | 0103    | 16.12.2019 | 21.12.2020  |
| RBDG-MAN-016  | 0104    | 27.04.2020 | 21.12.2020  |
| RBDG-MAN-017  | 0104    | 13.07.2020 | 21.12.2020  |
| RBDG-MAN-027  | 0102    | 16.12.2019 | 21.12.2020  |
| RBDG-MAN-030  | 0103    | 16.12.2019 | 21.12.2020  |
| RBDG-MAN-031B | 0102    | 27.04.2020 | 21.12.2020  |
| RBDG-MAN-031F | 0101    | 16.12.2019 | 21.12.2020  |
| RBDG-MAN-031G | 0101    | 16.12.2019 | 21.12.2020  |
| RBDG-MAN-012  | 0105    | 08.01.2020 | 09.03.2021  |
| RBDG-MAN-013  | 0103    | 13.07.2020 | 09.03.2021  |
| RBDG-MAN-014D | 0100    | 21.12.2020 | 09.03.2021  |
| RBDG-MAN-015  | 0104    | 21.12.2020 | 09.03.2021  |
| RBDG-MAN-017  | 0105    | 21.12.2020 | 09.03.2021  |
| RBDG-MAN-025  | 0103    | 13.07.2020 | 09.03.2021  |
| RBDG-MAN-027  | 0103    | 21.12.2020 | 09.03.2021  |
| RBDG-MAN-013  | 0104    | 09.03.2021 | 07.06.2021  |
| RBDG-MAN-014A | 0100    | 21.12.2020 | 07.06.2021  |
| RBDG-MAN-017  | 0106    | 09.03.2021 | 07.06.2021  |
| RBDG-MAN-025  | 0104    | 09.03.2021 | 07.06.2021  |
| RBDG-MAN-031F | 0102    | 21.12.2020 | 07.06.2021  |
| RBDG-MAN-012  | 0106    | 09.03.2021 | 10.10.2021  |
| RBDG-MAN-027  | 0104    | 09.03.2021 | 10.10.2021  |
| RBDG-MAN-031  | 0104    | 05.02.2020 | 10.10.2021  |
| RBDG-MAN-012  | 0107    | 11.10.2021 | 05.12.2021  |

| Document      | Version | Valid from | Valid up to |
|---------------|---------|------------|-------------|
| RBDG-MAN-016  | 0105    | 21.12.2020 | 05.12.2021  |
| RBDG-MAN-017  | 0107    | 07.06.2021 | 05.12.2021  |
| RBDG-MAN-025  | 0105    | 31.05.2021 | 05.12.2021  |
| RBDG-MAN-026  | 0102    | 16.12.2019 | 12.12.2021  |
| RBDG-MAN-031B | 0103    | 21.12.2020 | 12.12.2021  |
| RBDG-MAN-031D | 0101    | 16.12.2019 | 12.12.2021  |
| RBDG-MAN-026  | 0103    | 12.12.2021 | 07.01.2022  |
| RBDG-MAN-012  | 0108    | 06.12.2021 | 27.03.2022  |
| RBDG-MAN-031  | 0105    | 11.10.2020 | 27.03.2022  |
| RBDG-MAN-030  | 0104    | 21.12.2020 | 27.03.2022  |
| RBDG-MAN-033  | 0101    | 16.12.2019 | 27.03.2022  |
| RBDG-MAN-016  | 0106    | 06.12.2021 | 27.03.2022  |
| RBDG-MAN-014B | 0100    | 21.12.2020 | 27.03.2022  |
| RBDG-MAN-014B | 0101    | 28.03.2022 | 08.05.2022  |
| RBDG-MAN-016  | 0107    | 28.03.2022 | 08.05.2022  |
| RBDG-MAN-017  | 0108    | 06.12.2021 | 08.05.2022  |
| RBDG-MAN-018  | 0101    | 19.03.2018 | 08.05.2022  |
| RBDG-MAN-020  | 0101    | 19.03.2018 | 08.05.2022  |
| RBDG-MAN-024  | 0101    | 19.03.2018 | 08.05.2022  |
| RBDG-MAN-031  | 0106    | 28.03.2022 | 08.05.2022  |
| RBDG-MAN-016  | 0108    | 09.05.2022 | 21.06.2022  |
| RBDG-MAN-017  | 0109    | 09.05.2022 | 01.09.2022  |
| RBDG-MAN-025  | 0106    | 06.12.2021 | 27.11.2022  |
| RBDG-MAN-030  | 0105    | 28.03.2022 | 27.11.2022  |

| Document      | Version | Valid from | Valid up to |
|---------------|---------|------------|-------------|
| RBDG-MAN-031B | 0104    | 13.12.2021 | 27.11.2022  |
| RBDG-MAN-033  | 0102    | 28.03.2022 | 27.11.2022  |
| RBDG-MAN-034  | 0101    | 16.12.2019 | 27.11.2022  |
| RBDG-MAN-035  | 0101    | 16.12.2019 | 27.11.2022  |
| RBDG-MAN-014  | 0105    | 21.12.2020 | 01.02.2023  |
| RBDG-MAN-031B | 0105    | 28.11.2022 | 22.03.2023  |
| RBDG-MAN-011  | 0103    | 18.12.2018 | 22.03.2023  |
| RBDG-MAN-031  | 0107    | 09.05.2022 | 28.05.2023  |
| RBDG-MAN-031A | 0101    | 16.12.2019 | 28.05.2023  |
| RBDG-MAN-031B | 0106    | 23.04.2023 | 28.05.2023  |
| RBDG-MAN-014B | 0102    | 09.05.2022 | 30.07.2023  |
| RBDG-MAN-023  | 0101    | 19.03.2018 | 30.07.2023  |
| RBDG-MAN-017  | 0110    | 02.09.2022 | 30.07.2023  |
| RBDG-MAN-022  | 0102    | 01.04.2019 | 30.07.2023  |
| RBDG-MAN-027  | 0105    | 11.10.2021 | 30.07.2023  |
| RBDG-MAN-031F | 0103    | 07.06.2021 | 30.07.2023  |
| RBDG-MAN-031  | 0108    | 01.06.2023 | 30.07.2023  |
| RBDG-MAN-031B | 0107    | 01.06.2023 | 03.12.2023  |
| RBDG-MAN-030  | 0106    | 28.11.2022 | 17.12.2023  |
| RBDG-MAN-011  | 0104    | 23.03.2023 | 28.12.2023  |
| RBDG-MAN-014C | 0100    | 21.12.2020 | 28.12.2023  |
| RBDG-MAN-035  | 0102    | 28.11.2022 | 28.12.2023  |
| RBDG-MAN-040  | 0100    | 28.11.2022 | 28.12.2023  |
| RBDG-MAN-012  | 0110    | 31.07.2023 | 24.03.2024  |

| Document      | Version | Valid from | Valid up to |
|---------------|---------|------------|-------------|
| RBDG-MAN-014B | 0103    | 31.07.2023 | 24.03.2024  |
| RBDG-MAN-017  | 0111    | 31.07.2023 | 24.03.2024  |
| RBDG-MAN-014  | 0106    | 06.02.2023 | 12.05.2024  |
| RBDG-MAN-011  | 0105    | 29.12.2023 | 26.06.2024  |
| RBDG-MAN-040  | 0101    | 29.12.2023 | 30.09.2024  |
| RBDG-MAN-039  | 0100    | 28.11.2022 | 30.09.2024  |
| RBDG-MAN-038  | 0100    | 28.11.2022 | 30.09.2024  |
| RBDG-MAN-029  | 0102    | 01.04.2019 | 30.09.2024  |
| RBDG-MAN-013  | 0105    | 07.06.2021 | 30.09.2024  |
| RBDG-MAN-012  | 0111    | 28.03.2022 | 30.09.2024  |
| RBDG-MAN-014A | 0101    | 07.06.2021 | 30.09.2024  |
| RBDG-MAN-014C | 0101    | 29.12.2023 | 30.09.2024  |
| RBDG-MAN-014B | 0104    | 31.07.2023 | 02.12.2024  |
| RBDG-MAN-014E | 0101    | 13.05.2024 | 02.12.2024  |
| RBDG-MAN-014D | 0101    | 09.03.2021 | 03.02.2025  |
| RBDG-MAN-015  | 0105    | 09.03.2021 | 05.05.2025  |
| RBDG-MAN-017  | 0112    | 31.07.2023 | 05.05.2025  |
| RBDG-MAN-018  | 0102    | 09.05.2022 | 05.05.2025  |
| RBDG-MAN-019  | 0103    | 27.04.2020 | 05.05.2025  |
| RBDG-MAN-020  | 0102    | 09.05.2022 | 05.05.2025  |
| RBDG-MAN-025  | 0107    | 28.11.2022 | 05.05.2025  |
| RBDG-MAN-012  | 0112    | 01.10.2024 | 02.06.2025  |
| RBDG-MAN-014  | 0107    | 13.05.2024 | 02.06.2025  |
| RBDG-MAN-016  | 0109    | 22.06.2022 | 02.06.2025  |

| Drawing      | Version | Valid from          | Valid up to |
|--------------|---------|---------------------|-------------|
| RBDG-DWG-070 | A4      | N/A - First version | 16.12.2019  |
| RBDG-DWG-071 | A3      | N/A - First version | 16.12.2019  |
| RBDG-DWG-073 | A5      | N/A - First version | 16.12.2019  |
| RBDG-DWG-070 | A5      | 16.12.2019          | 13.07.2020  |
| RBDG-DWG-070 | A6      | 13.07.2020          | 21.12.2020  |
| RBDG-DWG-001 | A5      | N/A - First version | 09.03.2021  |
| RBDG-DWG-002 | A5      | N/A - First version | 09.03.2021  |
| RBDG-DWG-003 | A4      | N/A - First version | 09.03.2021  |
| RBDG-DWG-004 | A4      | N/A - First version | 09.03.2021  |
| RBDG-DWG-005 | A4      | N/A - First version | 09.03.2021  |
| RBDG-DWG-006 | A4      | N/A - First version | 09.03.2021  |
| RBDG-DWG-007 | A5      | N/A - First version | 09.03.2021  |
| RBDG-DWG-008 | A5      | N/A - First version | 09.03.2021  |
| RBDG-DWG-009 | A7      | N/A - First version | 09.03.2021  |
| RBDG-DWG-010 | A3      | N/A - First version | 09.03.2021  |
| RBDG-DWG-011 | A2      | N/A - First version | 09.03.2021  |
| RBDG-DWG-012 | A3      | N/A - First version | 09.03.2021  |
| RBDG-DWG-020 | A5      | N/A - First version | 09.03.2021  |
| RBDG-DWG-021 | A5      | N/A - First version | 09.03.2021  |
| RBDG-DWG-022 | A6      | N/A - First version | 09.03.2021  |
| RBDG-DWG-023 | A3      | N/A - First version | 09.03.2021  |
| RBDG-DWG-024 | A3      | N/A - First version | 09.03.2021  |
| RBDG-DWG-025 | A3      | N/A - First version | 09.03.2021  |

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|--------------|----|---------------------|------------|
| RBDG-DWG-026 | A4 | N/A - First version | 09.03.2021 |
| RBDG-DWG-033 | A4 | N/A - First version | 09.03.2021 |
| RBDG-DWG-072 | A2 | N/A - First version | 09.03.2021 |
| RBDG-DWG-073 | A6 | 16.12.2019          | 09.03.2021 |
| RBDG-DWG-072 | A3 | 09.03.2021          | 07.06.2021 |
| RBDG-DWG-065 | A1 | 10.01.2018          | 06.12.2021 |
| RBDG-DWG-010 | A4 | 09.03.2021          | 22.03.2023 |
| RBDG-DWG-071 | A4 | 16.12.2019          | 31.07.2023 |
| RBDG-DWG-011 | A3 | 09.03.2021          | 03.02.2025 |

| Template     | Version | Valid from | Valid up to |
|--------------|---------|------------|-------------|
| RBDG-TPL-013 | 0101    | 01.04.2019 | 16.12.2019  |
| RBDG-TPL-014 | 0101    | 01.04.2019 | 16.12.2019  |
| RBDG-TPL-015 | 0101    | 01.04.2019 | 16.12.2019  |
| RBDG-TPL-019 | 0101    | 01.04.2019 | 16.12.2019  |
| RBDG-TPL-016 | 0101    | 01.04.2019 | 27.04.2020  |
| RBDG-TPL-016 | 0102    | 27.04.2020 | 21.12.2020  |
| RBDG-TPL-017 | 0101    | 01.04.2019 | 21.12.2020  |
| RBDG-TPL-018 | 0101    | 01.04.2019 | 21.12.2020  |
| RBDG-TPL-019 | 0102    | 01.04.2019 | 21.12.2020  |
| RBDG-TPL-024 | 0101    | 16.12.2019 | 21.12.2020  |
| RBDG-TPL-010 | 0101    | 15.02.2018 | 23.10.2023  |
| RBDG-TPL-011 | 0101    | 15.02.2018 | 23.10.2023  |
| RBDG-TPL-012 | 0101    | 15.02.2018 | 23.10.2023  |
| RBDG-TPL-013 | 0102    | 16.12.2019 | 23.10.2023  |

|              |      |            |            |
|--------------|------|------------|------------|
| RBDG-TPL-014 | 0102 | 16.12.2019 | 23.10.2023 |
| RBDG-TPL-015 | 0102 | 16.12.2019 | 23.10.2023 |
| RBDG-TPL-016 | 0103 | 21.12.2020 | 23.10.2023 |
| RBDG-TPL-017 | 0102 | 21.12.2020 | 23.10.2023 |
| RBDG-TPL-018 | 0102 | 21.12.2020 | 23.10.2023 |
| RBDG-TPL-019 | 0103 | 21.12.2020 | 23.10.2023 |
| RBDG-TPL-020 | 0101 | 01.04.2019 | 23.10.2023 |
| RBDG-TPL-021 | 0101 | 01.04.2019 | 23.10.2023 |
| RBDG-TPL-022 | 0101 | 01.04.2019 | 23.10.2023 |
| RBDG-TPL-023 | 0101 | 01.04.2019 | 23.10.2023 |
| RBDG-TPL-024 | 0102 | 21.12.2020 | 23.10.2023 |
| RBDG-TPL-025 | 0101 | 16.12.2019 | 23.10.2023 |

### 3.3 Implemented changes register

| Changes |            |              |        |   |
|---------|------------|--------------|--------|---|
| No.     | Date       | Document     | Author | Short description of change   |
| 1       | 10.08.2018 | RBDG-MAN-011 | RBR    | Updated CMP according to discussions between 3 BENs and RB Rail   |
| 2       | 18.12.2018 | RBDG-MAN-011 | RBR    | Updated CMP according to discussions in the Technical Reference Group                                     |
| 3       | 18.12.2018 | RBDG-MAN-014 | RBR    | Update of ballast requirements to be more practical and allow a larger range of producers to be compliant |
| 4       | 18.12.2018 | RBDG-MAN-015 | RBR    | Update of requirements to be more in line with Northern Europe and Baltic countries practice              |
| 5       | 01.04.2019 | RBDG-MAN-012 | RBR    | Update of expansion joint design life and structural gauge dimensions                                     |

|    |            |  |     |   |
|----|------------|--|-----|---|
| 6  | 01.04.2019 | RBDG-MAN-013   | RBR | Update of curve overlap requirements, minimum radii, shunting limits and other changes                                |
| 7  | 01.04.2019 | RBDG-MAN-014   | RBR | Update of turnout library, buffer stops and other changes   |
| 8  | 01.04.2019 | RBDG-MAN-016   | RBR | Update of major structure definition, culvert materials and other changes   |
| 9  | 01.04.2019 | RBDG-MAN-017   | RBR | Update of load models, design speed and other changes   |
| 10 | 01.04.2019 | RBDG-MAN-022   | RBR | Update of mainline protection requirements  |
| 11 | 01.04.2019 | RBDG-MAN-025   | RBR | Update of usable lengths of platforms and tracks  |
| 12 | 01.04.2019 | RBDG-MAN-029   | RBR | Update of whole document  |
| 13 | 01.04.2019 | RBDG-MAN-030   | RBR | Update of whole document and introduction of templates  |
| 14 | 18.04.2019 | RBDG-MAN-031   | RBR | Corrigendum – corrected references  |
| 15 | 21.05.2019 | RBDG-MAN-012   | RBR | Corrigendum – corrected measurement unit in Chapter 10  |
| 16 | 16.12.2019 | RBDG-DWG-071   | RBR | Update of cross-section   |
| 17 | 16.12.2019 | RBDG-MAN-012   | RBR | Update of structural requirements, overhaul of road requirements, structural gauge, introduction of references to ALG |
| 18 | 16.12.2019 | RBDG-MAN-017   | RBR | Update of structural requirements, introduction of references to ALG  |
| 19 | 16.12.2019 | RBDG-MAN-030<br>RBDG-TPL-013<br>RBDG-TPL-014<br>RBDG-TPL-015<br>RBDG-TPL-019 | RBR | Update of BIM requirements  |
| 20 | 16.12.2019 | RBDG-MAN-016   | RBR | Update of hydrology requirements  |
| 21 | 16.12.2019 | RBDG-DWG-070<br>RBDG-DWG-073   | RBR | Introduction of a clarifying note   |
| 22 | 16.12.2019 | RBDG-MAN-019   | RBR | Update of catenary height due to structural gauge change  |
| 23 | 16.12.2019 | RBDG-MAN-015<br>RBDG-MAN-026   | RBR | Introduction of references to ALG and update of ALG document  |

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|----|------------|--|-----|---|
|    |            | RBDG-MAN-027<br>RBDG-MAN-031   |     |   |
| 24 | 08.01.2020 | RBDG-MAN-012   | RBR | Corrigendum of structural gauge cross-section height  |
| 25 | 05.02.2020 | RBDG-MAN-031   | RBR | Corrigendum of visual identity guidebook reference  |
| 26 | 27.04.2020 | RBDG-MAN-016   | RBR | Corrigendum of reference in chapter 4.4.1   |
| 27 | 27.04.2020 | RBDG-MAN-019   | RBR | Corrigendum of gauge requirement in chapter 4.5   |
| 28 | 27.04.2020 | RBDG-MAN-031B  | RBR | Change in regional platform width in page 99  |
| 29 | 27.04.2020 | RBDG-MAN-036   | RBR | Update of international station security requirements   |
| 30 | 13.07.2020 | RBDG-MAN-013   | RBR | Update of shunting limits and gradient requirements, introduction of a limit track axis distance for turnouts                                 |
| 31 | 13.07.2020 | RBDG-MAN-014   | RBR | Update of turnout parameters  |
| 32 | 13.07.2020 | RBDG-MAN-017   | RBR | Introduction of catenary mast fixing requirements for the bridge deck, update of ballast density calculation requirements for permanent loads |
| 33 | 13.07.2020 | RBDG-MAN-025   | RBR | Update of useable length requirements   |
| 34 | 13.07.2020 | RBDG-MAN-036   | RBR | Update of derogation process for international station security requirements  |
| 35 | 13.07.2020 | RBDG-DWG-070   | RBR | Update of catenary mast location  |
| 36 | 21.12.2020 | RBDG-MAN-014<br>RBDG-MAN-014A<br>RBDG-MAN-014B<br>RBDG-MAN-014C<br>RBDG-MAN-014D | RBR | Update of superstructure components requirements and moving them to annexes of main document  |
| 37 | 21.12.2020 | RBDG-MAN-015   | RBR | Update of alpha factor requirements for retaining walls   |
| 38 | 21.12.2020 | RBDG-MAN-016   | RBR | Update of definition of major structures, minimum clearance for major structures and minimum diameter for drainage crossings                  |

|    |            |  |     |   |
|----|------------|--|-----|---|
| 39 | 21.12.2020 | RBDG-MAN-017   | RBR | Update of prestressing steel properties and overhead catenary protection system requirements  |
| 40 | 21.12.2020 | RBDG-MAN-027   | RBR | Update of requirements for applicable legislation in Latvia   |
| 41 | 21.12.2020 | RBDG-MAN-030<br>RBDG-TPL-016<br>RBDG-TPL-017<br>RBDG-TPL-018<br>RBDG-TPL-019<br>RBDG-TPL-024 | RBR | Update of BIM requirements in chapters 8; 10.4; 14, Annexes 1-3 and update of BIM templates   |
| 42 | 21.12.2020 | RBDG-MAN-031B  | RBR | Corrigendum of dimensions and legends on page 98 and 101  |
| 43 | 21.12.2020 | RBDG-MAN-031F  | RBR | Update of requirements on pages 73; 74; 92 and 93   |
| 44 | 21.12.2020 | RBDG-MAN-031G  | RBR | Corrigendum of dimensions and descriptions on pages 10; 18 and 21   |
| 45 | 21.12.2020 | RBDG-DWG-070   | RBR | Update of distance to catenary mast   |
| 46 | 09.03.2021 | RBDG-MAN-012   | RBR | Update of structure gauges, fence heights, cableways requirements, design life for cable channels and manholes, inclusion of systems equipment locations requirements   |
| 47 | 09.03.2021 | RBDG-MAN-013   | RBR | Update of standards, slowest freight train speed, cant calculation, abrupt change of cant deficiency, regional stop explanation, abrupt change of track gradient and minimum radius and distance between track centers for passengers and light freight section |
| 48 | 09.03.2021 | RBDG-MAN-014D  | RBR | Corrigendum of 60E-190-1/9 turnout dimension L2   |
| 49 | 09.03.2021 | RBDG-MAN-015   | RBR | Update of geotechnical load situation   |
| 50 | 09.03.2021 | RBDG-MAN-017   | RBR | Update of maintenance requirements if conflicting with catenary mast  |
| 51 | 09.03.2021 | RBDG-MAN-025   | RBR | Update of regional station platform length and platform offset  |
| 52 | 09.03.2021 | RBDG-MAN-027   | RBR | Update of topsoil depth requirements  |
| 53 | 09.03.2021 | From RBDG-DWG-001 to RBDG-DWG-012  | RBR | Updated with cable channels and correction of summary table for distance of RBDG-DWG-073  |

|    |            |   |      |  |
|----|------------|---|------|--|
|    |            | From RBDG-DWG-020 to RBDG-DWG-026<br>RBDG-DWG-033<br>RBDG-DWG-072<br>RBDG-DWG-073 |      |  |
| 54 | 07.06.2021 | RBDG-MAN-013  | RBR  | Update of adding reference to TSI INF regarding reverse curves and cant limitation on small curves   |
| 55 | 07.06.2021 | RBDG-MAN-014A   | RBR  | Update of certificate of compliance with TSI INF   |
| 56 | 07.06.2021 | RBDG-MAN-017  | RBR  | Update of requirements on pages 6; 11; 16 and 17   |
| 57 | 07.06.2021 | RBDG-MAN-025  | RBR  | Update of adding new paragraph 7 regarding numeration principles of railway infrastructure elements  |
| 58 | 07.06.2021 | RBDG-MAN-031F   | RBR  | Update of OCPS requirements on pages 99 and 109  |
| 59 | 07.06.2021 | RBDG-DWG-072  | RBR  | Update of adding a note  |
| 60 | 11.10.2021 | RBDG-MAN-012  | RBR  | Update of point heating cabinet area dimensions  |
| 61 | 11.10.2021 | RBDG-MAN-027  | RBR  | Update of corrective factor requirements for noise modelling for application of SRMII noise calculation method.  |
| 62 | 11.10.2021 | RBDG-MAN-031  | EDzL | Update of changing the requirement for local stations in city areas  |
| 63 | 06.12.2021 | RBDG-MAN-012  | RBR  | Update of the position of the barbed wire in case the standard fence height is changed because of EIA requirements (6.1.2)<br>Update of definition of Green path, revoke design speed of maintenance roads, lower longitudinal profile for vertical curves of maintenance roads, specify maintenance roads cross section solution and to add a requirement of risk assessment for road safety barriers |
| 64 | 06.12.2021 | RBDG-MAN-025  | RBR  | Update of platform height increase section 1.1   |
| 65 | 06.12.2021 | RBDG-MAN-017  | RBR  | Update of catenary concept design a standard solution for OCS foundations on bridges sub-chapter 3.6.7 and chapter 3.4.2.1 wording is updated  |

|    |            |  |      |   |
|----|------------|--|------|---|
| 66 | 06.12.2021 | RBDG-MAN-017                                   | RBE  | To reduce the required strength of the superstructure from C45/55 to C35/45 for non-railway structures in section 4.1.1 |
| 67 | 06.12.2021 | RBDG-MAN-016                                   | RBR  | Update is to define conditions when coated drainage ditches are preferred over earth ditches                            |
| 68 | 06.12.2021 | RBDG-DWG-065                                   | RBR  | Update to specify solutions of maintenance road cross section   |
| 69 | 13.12.2021 | RBDG-MAN-026<br>RBDG-MAN-031B<br>RBDG-MAN-031D | RBR  | Update to fulfill NoBo requirements and recommendations and to align Design Guidelines with requirements of TSI PRM     |
| 70 | 07.01.2022 | RBDG-MAN-026                                   | RBR  | Update to split requirement applicable for regional and international stations.   |
| 71 | 28.03.2022 | RBDG-MAN-012                                   | RBR  | Updated requirements for fences in sensitive urban areas  |
| 72 | 28.03.2022 | RBDG-MAN-031                                   | RBR  | Updated requirements for bridges, overpasses, and architecture of noise barriers  |
| 73 | 28.03.2022 | RBDG-MAN-030                                   | RBR  | Added clarifications to BIM Manual  |
| 74 | 28.03.2022 | RBDG-MAN-033                                   | RBR  | Added clarifications to BIM EIR   |
| 75 | 28.03.2022 | RBDG-MAN-016                                   | RBR  | Updated requirements for buried drainage inspection manholes  |
| 76 | 28.03.2022 | RBDG-MAN-014B                                  | RBR  | Update of under sleeper pad requirements  |
| 77 | 28.03.2022 | RBDG-MAN-037                                   | RBR  | New Design Guideline for Regional Station Security  |
| 78 | 09.05.2022 | RBDG-MAN-014B                                  | RBR  | Removed height adjustment for fastening systems   |
| 79 | 09.05.2022 | RBDG-MAN-016                                   | RBR  | Increased distance between inspection manholes for all drainage pipes on exceptional places                             |
| 80 | 09.05.2022 | RBDG-MAN-017                                   | RBR  | Changes for vertical clearances, OCS fixings overbridges/tunnels, earthing and bonding                                  |
| 81 | 09.05.2022 | RBDG-MAN-018                                   | RBR  | Changes implemented after approval of SFC technology  |
| 82 | 09.05.2022 | RBDG-MAN-020                                   | RBR  | Changes implemented after approval of SFC technology  |
| 83 | 09.05.2022 | RBDG-MAN-024                                   | RBR  | Changes implemented after update of ECCS  |
| 84 | 09.05.2022 | RBDG-MAN-031                                   | RBR  | Changes in sound barrier type and length  |
| 85 | 22.06.2022 | RBDG-MAN-016                                   | RBR  | Changes in ditch longitudinal slope requirements  |
| 86 | 02.09.2022 | RBDG-MAN-017                                   | EDzL | Corrigendum of reference in chapter 3.6.4   |

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| 87  | 28.11.2022 | RBDG-MAN-025                    | RBR | The numbering/codification of operational points added to DG  |
| 88  | 28.11.2022 | RBDG-MAN-038                    | RBR | Introduction of new Design Guideline  |
| 89  | 28.11.2022 | RBDG-MAN-039                    | RBR | Introduction of new Design Guideline  |
| 90  | 28.11.2022 | RBDG-MAN-040                    | RBR | Introduction of new Design Guideline  |
| 91  | 28.11.2022 | RBDG-MAN-030                    | RBR | Changes linked to introduction of RBDG-MAN-040  |
| 92  | 28.11.2022 | RBDG-MAN-033                    | RBR | Changes linked to introduction of RBDG-MAN-040  |
| 93  | 28.11.2022 | RBDG-MAN-034                    | RBR | Changes linked to introduction of RBDG-MAN-040  |
| 94  | 28.11.2022 | RBDG-MAN-035                    | RBR | Changes linked to introduction of RBDG-MAN-040  |
| 95  | 06.02.2023 | RBDG-MAN-014                    | RBR | Updated requirements for ballast tank sides on structures and rail neutral temperature  |
| 96  | 23.03.2023 | RBDG-MAN-031B                   | RBR | Clarifications about platform safety zone (page 99)   |
| 97  | 23.03.2023 | RBDG-MAN-011                    | RBR | Corrigendum of Chapter 3 Encoding to align with RBDG-INF-001 requirements   |
| 98  | 23.03.2023 | RBDG-DWG-010                    | RBR | Corrigendum to align platform height with Design Guidelines requirements  |
| 99  | 31.07.2023 | RBDG-MAN-014B                   | RBR | Updated Static coefficient for calculating FrB at the end of fatigue test, Chapter 3.1.1, Table 2   |
| 100 | 31.07.2023 | RBDG-MAN-023                    | RBR | Updated Chapter 14 to solve contradicting requirements with RBDG-MAN-012  |
| 101 | 31.07.2023 | RBDG-MAN-017<br>RBDG-DWG-071-A5 | RBR | Updated Chapter 2.1.2. adding intrusion detectors for overbridges   |
| 102 | 31.07.2023 | RBDG-MAN-022                    | RBR | Updates in Chapter 7.5 with reference to RBDG-MAN-012 regarding intrusion detection   |
| 103 | 31.07.2023 | RBDG-MAN-027                    | RBR | Updates in Chapter 4.2.3.1 regarding harrow in ditches  |
| 104 | 31.07.2023 | RBDG-MAN-031F                   | RBR | Removed coloring for ground beam of noise absorbing panels, changed from steel to metal in noise barrier material description                     |
| 105 | 31.07.2023 | RBDG-MAN-031                    | RBR | Removed anti-graffiti coating from noise barriers   |
| 106 | 31.07.2023 | RBDG-MAN-012                    | RBR | Changes in zinc coating requirements, protective devices on road bridges, cable duct crossings under the railway tracks with conceptual solutions |
| 107 | 04.12.2023 | RBDG-MAN-031B                   | RBR | Changes in Type 2 station roof geometry and requirements for roof materials   |

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| 108 | 18.12.2023 | RBDG-MAN-030                                 | RBR | Changed applicability of LOD400 level   |
| 109 | 29.12.2023 | RBDG-MAN-011                                 | RBR | Modified clause 7 and 8 regarding granting automatic derogations whenever justifiable while making a change   |
| 110 | 29.12.2023 | RBDG-MAN-014C                                | RBR | Added requirements for ballast contamination at delivery point  |
| 111 | 29.12.2023 | RBDG-MAN-035<br>RBDG-MAN-040                 | RBR | Changes in description of document management system use, ProjectWise changed to more generic term- Electronic document management system   |
| 112 | 25.03.2024 | RBDG-MAN-012                                 | RBR | In section 8.1 changed altitude class from A1 to A2   |
| 113 | 25.03.2024 | RBDG-MAN-014B                                | RBR | Adjusted Nominal axle load and Dynamic increment factor requirements in section 3.1.1. Table 3  |
| 114 | 25.03.2024 | RBDG-MAN-017                                 | RBR | In section 3.6.3. added requirements for exceptional cases to make holes in noise barriers for rainwater runoff and in section 3.6.4. clarifications regarding grounding for structures   |
| 115 | 13.05.2024 | RBDG-MAN-014<br>RBDG-MAN-014E                | RBR | Correction in head ramps and buffer stops chapters and supplementation of new annex   |
| 116 | 27.06.2024 | RBDG-MAN-011                                 | RBR | Updated Change Management Procedure to be aligned with Project Management Agreement and transferred Design Guideline change approval to Rail Baltica project Coordination Steering Committee  |
| 117 | 01.10.2024 | RBDG-MAN-038<br>RBDG-MAN-039<br>RBDG-MAN-040 | RBR | Clarifications added and mistakes from previous versions fixed in close coordination with Implementing Bodies to mitigate many interpretation cases during design and construction works. <u>Latest revisions mandatory application is to design and construction contracts signed after 1<sup>st</sup> of July 2024.</u> |
| 118 | 01.10.2024 | RBDG-MAN-029                                 | RBR | Substitution of mandatory requirement for leakage detection installation on crossing utility pipelines with case by case requirement based on risk assessment.  |
| 119 | 01.10.2024 | RBDG-MAN-013                                 | RBR | Added references to existing EN Standards that needs to be followed for exceptional values.   |

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| 120 | 01.10.2024 | RBDG-MAN-012                                 | RBR | Transferred Technical specification from consolidated material procurement to Design Guideline as an Annex.  |
| 121 | 01.10.2024 | RBDG-MAN-014A                                | RBR | Requirements made applicable also for guard rails, added references to applicable Standards and changed RBR to The client, therefore making this document applicable to other parties in case of purchase of rails.            |
| 122 | 01.10.2024 | RBDG-MAN-014C                                | RBR | Changed RBR to The client, therefore making this document applicable to other parties in case of purchase of ballast correction of applicable standards and more elaborated description for acceptance of delivery of ballast. |
| 123 | 03.12.2024 | RBDG-MAN-014B                                | RBR | Minor corrections and RBR replacement with client, therefore allowing different purchasers of sleepers and fastening systems.  |
| 124 | 03.12.2024 | RBDG-MAN-014E                                | RBR | Editorial updates after alignment with designers to provide more detailed explanations in guideline.   |
| 125 | 04.02.2025 | RBDG-MAN-014D                                | RBR | Design Guideline updated to be aligned with consolidated material procurement results and supply of materials  |
| 126 | 04.02.2025 | RBDG-DWG-011<br>RBDG-DWG-013<br>RBDG-DWG-014 | RBR | Corrected ballast formation in drawing DWG-011, and added drawings for double track in curve and track cross section in depots / terminals   |
| 127 | 06.05.2025 | RBDG-MAN-015                                 | RBR | Excluded use of MBF in soil quality measurements except cases when soil stability is improved with cement.   |
| 128 | 06.05.2025 | RBDG-MAN-017                                 | RBR | added wildlife crossing o-ducts to chapter related to overbridges and tunnels and made reference to earthing and bonding in RBDG-MAN-019   |
| 129 | 06.05.2025 | RBDG-MAN-018                                 | RBR | Based on AsBo recommendation, added missing standard IEC 60479 Effects of current on human beings and live stock to Chapter 1.2. International Electro-Technical Commission (IEC) Standards                                    |

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| 130 | 06.05.2025 | RBDG-MAN-019                 | RBR | Changed term Catenary to Overhead Contact Line System, added sentence that certification of Interoperability Constituent shall be achieved before certification for ENE subsystem and added description of Earthing and Bonding in accordance with EN Standard.                                       |
| 131 | 06.05.2025 | RBDG-MAN-020                 | RBR | Clarified back-up power supply for Traction Power Substations (Applicable for ENE contractor)   |
| 132 | 06.05.2025 | RBDG-MAN-025                 | RBR | Defined principles of Overhead Contact System design in infrastructure facilities, that System designer needs to define locations of OCS foundations, if designer is not available conceptual OCS design shall cover: Catenary wiring, OCS foundations, Portals, Cross-section with civil structures. |
| 133 | 03.06.2025 | RBDG-MAN-012                 | RBR | Changes in chapter 4.1 to present all reference profiles applicable to RBR design, based on Gauge Study   |
| 134 | 03.06.2025 | RBDG-MAN-014                 | RBR | Changes made to align Design Guidelines with requirements in INF TSI  |
| 135 | 03.06.2025 | RBDG-MAN-016                 | RBR | Changes made to express some requirements in more general manner to allow alternative solutions.  |
| 136 | 03.06.2025 | RBDG-DWG-073<br>RBDG-DWG-074 | RBR | Decrease of evacuation pathway in tunnels to reduce CAPEX and introduction of Wildlife overpass cross section.  |