

# RAIL BALTICA HARJUMAA MAIN ROUTE RAILWAY I STAGE CONSTRUCTION WORKS

## Clash Detection Report

### RW0401

Document Submittal History:

Rev.:	Date:	Doc Status:	Prepared	Checked	Approved	Accepted
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	Signatures:					



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## Contents

1.	GENERAL .....	3
1.1.	RELATED DOCUMENTS .....	3
1.2.	SUMMARY .....	3
1.3.	MEP vs ARCH CLASH DETECTION-EVIDENCE .....	5
1.4.	INTERFERENCE (AGGREGATED) FILE IDENTIFICATION .....	<b>Error! Bookmark not defined.</b>
1.5.	SOFTWARE SETTINGS .....	<b>Error! Bookmark not defined.</b>

# 1. GENERAL

## 1.1. RELATED DOCUMENTS

BEP - RBDTD-EE-DS2-DPS1\_TRE\_RW0401-ZZ-ZZZZ-CD-GE-AA-DTD-000001\_BEP.docx

## 1.2. SUMMARY

This report includes the list of Clash Detection applicable to:

**TABEL 1**

RBDTD-EE-DS2-DPS1_ALL_OS021131-ZZ_0001_IF_ED-EL_DTD_000001_ELV10kVModel
RBDTD-EE-DS2-DPS1_ALL_OS021131-ZZ_0001_IF_ED-EL_DTD_000002_Excavation
RBDTD-EE-DS2-DPS1_ALL_OS021131-ZZ_0001_IF_ED-EL_DTD_000003_Fill
RBDTD-EE-DS2-DPS1_ALL_OS025013-ZZ_ZZZZ_IF_ED-EL_DTD_000001_ELV10kVModel
RBDTD-EE-DS2-DPS1_ALL_OS025013-ZZ_ZZZZ_IF_ED-EL_DTD_000002_Excavation
RBDTD-EE-DS2-DPS1_ALL_OS025013-ZZ_ZZZZ_IF_ED-EL_DTD_000003_Fill
RBDTD-EE-DS2-DPS1_ALL_OS025014-ZZ_ZZZZ_IF_LV-EN_DTD_000001_TeliaTelcoModel
RBDTD-EE-DS2-DPS1_ALL_OS025014-ZZ_ZZZZ_IF_LV-EN_DTD_000002_Excavation
RBDTD-EE-DS2-DPS1_ALL_OS025014-ZZ_ZZZZ_IF_LV-EN_DTD_000003_Fill
RBDTD-EE-DS2-DPS1_ALL_OS025032-ZZ_ZZZZ_IF_ED-EL_MD_000001_10kVModel
RBDTD-EE-DS2-DPS1_ALL_OS025033-ZZ_ZZZZ_IF_LV-EN_MD_000001_LightModel
RBDTD-EE-DS2-DPS1_ALL_OU0400-ZZ_0001_IF_OT-TR_DTD_000001_CatenaryModel
RBDTD-EE-DS2-DPS1_ALL_OU0400-ZZ_0001_IF_OT-TR_DTD_000002_Excavation
RBDTD-EE-DS2-DPS1_ALL_OU0400-ZZ_0001_IF_OT-TR_DTD_000003_Fill
RBDTD-EE-DS2-DPS1_ALL_OU0400-ZZ_0001_IF_VS-ENT_DTD_000001_VideoModel
RBDTD-EE-DS2-DPS1_ALL_OU0400-ZZ_0001_IF_VS-ENT_DTD_000002_Excavation
RBDTD-EE-DS2-DPS1_ALL_OU0400-ZZ_0001_IF_VS-ENT_DTD_000003_Fill
RBDTD-EE-DS2-DPS1_ALL_OU0400-ZZ_ZZZZ_IF_ED-EL_DTD_000001_10kVModel
RBDTD-EE-DS2-DPS1_ALL_OU0400-ZZ_ZZZZ_IF_ED-EL_DTD_000002_Excavation
RBDTD-EE-DS2-DPS1_ALL_OU0400-ZZ_ZZZZ_IF_ED-EL_DTD_000003_Fill
RBDTD-EE-DS2-DPS1_ALL_OU0400-ZZ_ZZZZ_IF_LV-EN_DTD_000001_TelcoModel
RBDTD-EE-DS2-DPS1_ALL_OU0400-ZZ_ZZZZ_IF_LV-EN_DTD_000002_Excavation
RBDTD-EE-DS2-DPS1_ALL_OU0400-ZZ_ZZZZ_IF_LV-EN_DTD_000003_Fill
RBDTD-EE-DS2-DPS1_ALL_OU0440-ZZ_ZZZZ_IF_LV-EN_DTD_000001_TeliaTelcoModel
RBDTD-EE-DS2-DPS1_ALL_OU0440-ZZ_ZZZZ_IF_LV-EN_DTD_000002_Excavation
RBDTD-EE-DS2-DPS1_ALL_OU0440-ZZ_ZZZZ_IF_LV-EN_DTD_000003_Fill
RBDTD-EE-DS2-DPS1_ALL_RW040310-ZZ_ZZZZ_IF_LV-EN_DTD_000001_DuctModel
RBDTD-EE-DS2-DPS1_TRE_CU037081-ZZ_ZZZZ_IF-TU-TS_DTD_000101_Culvert
RBDTD-EE-DS2-DPS1_TRE_CU037082-ZZ_ZZZZ_IF-TU-TS_DTD_000101_Culvert
RBDTD-EE-DS2-DPS1_TRE_ME0440-ZZ_ZZZZ_IF_DR-TL_DTD_000001_Melioration

RBDTD-EE-DS2-DPS1_TRE_ME0440-ZZ_ZZZZ_IF_DR-TL_DTD_000002_Excavation
RBDTD-EE-DS2-DPS1_TRE_OS021041-ZZ_ZZZZ_IF_DR-TL_DTD_000001_Drainage
RBDTD-EE-DS2-DPS1_TRE_OS021041-ZZ_ZZZZ_IF_DR-TL_DTD_000002_Fill
RBDTD-EE-DS2-DPS1_TRE_OS021041-ZZ_ZZZZ_IF_DR-TL_DTD_000003_Excavation
RBDTD-EE-DS2-DPS1_TRE_OS021041-ZZ_ZZZZ_IF_TR-TR_DTD_000001_Substructure
RBDTD-EE-DS2-DPS1_TRE_OS021041-ZZ_ZZZZ_IF_TR-TR_DTD_000003_FillModel
RBDTD-EE-DS2-DPS1_TRE_OS021041-ZZ_ZZZZ_IF_TR-TR_DTD_000002_ExcavationModel
RBDTD-EE-DS2-DPS1_TRE_OS02116-ZZ_ZZZZ_IF_WE-VK_DTD_000001_Water-Sewerage
RBDTD-EE-DS2-DPS1_TRE_OS02516-ZZ_ZZZZ_IF_WE-VK_DTD_000001_Water-Sewerage
RBDTD-EE-DS2-DPS1_TRE_OS025311-ZZ_ZZZZ_IF_DR-TL_DTD_000001_Drainage
RBDTD-EE-DS2-DPS1_TRE_OS025311-ZZ_ZZZZ_IF_TR_TR_DTD_000001_Substructure
RBDTD-EE-DS2-DPS1_TRE_OS025311-ZZ_ZZZZ_IF_TR_TR_DTD_000002_Excavation
RBDTD-EE-DS2-DPS1_TRE_OS025311-ZZ_ZZZZ_IF_TR_TR_DTD_000003_Fill
RBDTD-EE-DS2-DPS1_TRE_OU0410-ZZ_ZZZZ_IF_WE-VK_DTD_000001_Water-Sewerage
RBDTD-EE-DS2-DPS1_TRE_OU0430-ZZ_ZZZZ_IF_EG-GV_DTD_000001_Gas
RBDTD-EE-DS2-DPS1_TRE_OU0450-ZZ_ZZZZ_IF_WE-VK_DTD_000001_Water-Sewerage
RBDTD-EE-DS2-DPS1_TRE_OU0470-ZZ_ZZZZ_IF_EG-GV_DTD_000001_Gas
RBDTD-EE-DS2-DPS1_TRE_RW040010-ZZ_ZZZZ_IF_DR-TL_DTD_000001_Drainage
RBDTD-EE-DS2-DPS1_TRE_RW040010-ZZ_ZZZZ_IF_TR-TR_DTD_000002_Excavation
RBDTD-EE-DS2-DPS1_TRE_RW040010-ZZ_ZZZZ_IF_TR-TR_DTD_000005_Substructure
RBDTD-EE-DS2-DPS1_TRE_RW0401-ZZ_ZZZZ_CM_MO-MO_DTD_000001_Federated-model

## 1.3. TOLERANCES

### LOD 400:

- **Self-clash of elements:**
  - Drainage and flooding: 0.01 m
  - Geotechnical: N/A
  - MEP: 0.01 m
  - Rail: 0.02 m
  - Roads: 0.02 m
  - Structures and bridges: 0.01 m (reinforcements: 0.01 m, excavation earthworks: 0.05 m)
  - Tunnels: 0.01 m (reinforcements: 0.01 m, excavation earthworks: 0.05 m)
  - Utilities: 0.01 m
  - Railway clearance under structures (gauge control): 0.0 m
- **Interdisciplinary clash of elements:**
  - Drainage and flooding, MEP, Rail, Roads, Structures and bridges, Tunnels: 0.02 m
  - Geotechnical: N/A
  - Utilities: Soft clash evaluation/clearance

## 1.4. CLASH DETECTION RULESETS

