

National Underground Asset Register (NUAR)

NUAR Data Model Publication

NUAR Harmonised Data Model - Diagrams

Publication History

Date	Version	Description
12/08/2024	0.1	First publication of the NUAR Data Model
10/03/2025	1.0	Publication of the NUAR Data Model – V2.1.3

Purpose of this document

This document includes diagrams for the logical NUAR Harmonised Data Model.

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1.1 NUAR Harmonised Data Model - Logical diagram

GML diagram in package 'NHDM-Logical'

NUAR Harmonised Data Model - Logical

Version 2.1.3

Created on 06/10/2023. Last modified 08/03/2025

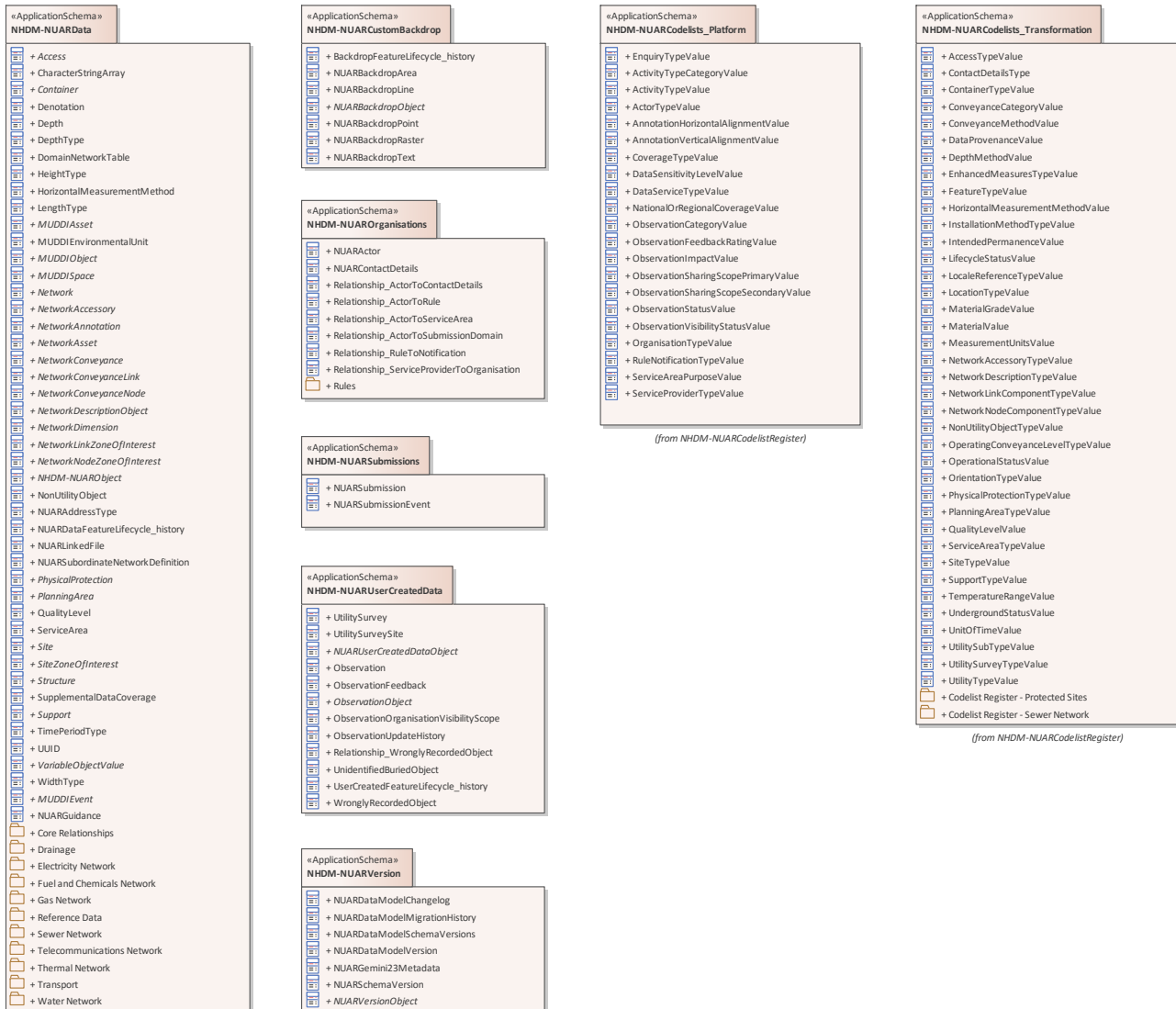


Figure 1: NUAR Harmonised Data Model - Logical

1.1.1.1 NUAR Harmonised Data Model - Logical - NUARCodeLists-Platform diagram

GML diagram in package 'NHDM-NUARCodeLists_Platform'

NUAR Harmonised Data Model - Logical - NUARCodeLists-Platform

Version 2.1.3

Created on 24/11/2023. Last modified 08/03/2025

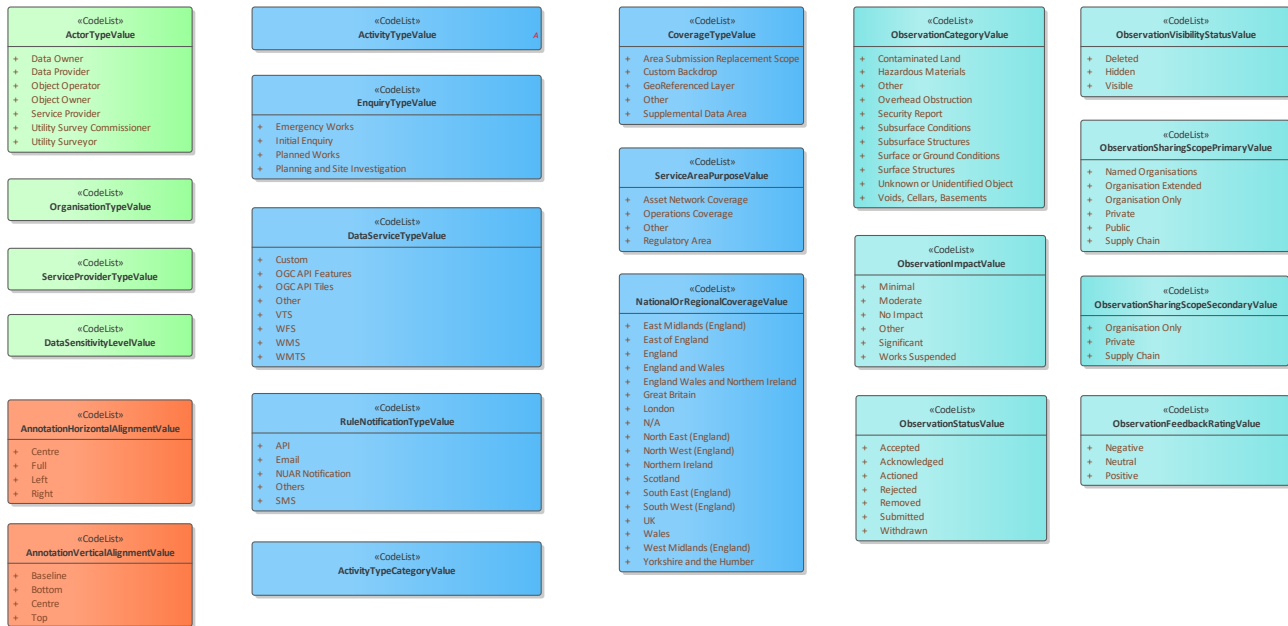


Figure 2: NUAR Harmonised Data Model - Logical - NUARCodeLists-Platform

1.1.1.2 NUAR Harmonised Data Model - Logical - NUARCodeLists-Transformation diagram

GML diagram in package 'NHDM-NUARCodeLists_Transformation'

NUAR Harmonised Data Model - Logical - NUARCodeLists-Transformation

Version 2.1.3

Created on 09/06/2023. Last modified 08/03/2025



Figure 3: NUAR Harmonised Data Model - Logical - NUARCodeLists-Transformation

1.1.1.2.1 Codelist Register - Protected Sites diagram

GML diagram in package 'Codelist Register - Protected Sites'

Codelist Register - Protected Sites

Version 2.1.3

Created on 21/08/2021. Last modified 08/03/2025

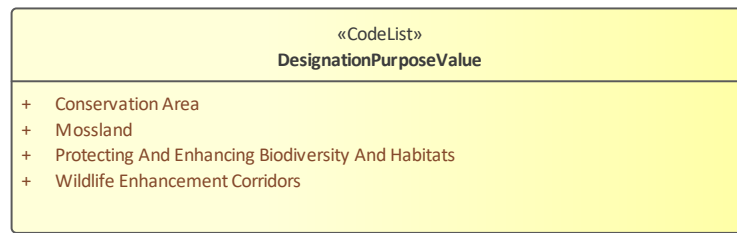


Figure 4: Codelist Register - Protected Sites

1.1.1.2.2 Codelist Register - Sewer Network diagram

GML diagram in package 'Codelist Register - Sewer Network'

Codelist Register - Sewer Network

Version 2.1.3

Created on 21/08/2021. Last modified 08/03/2025

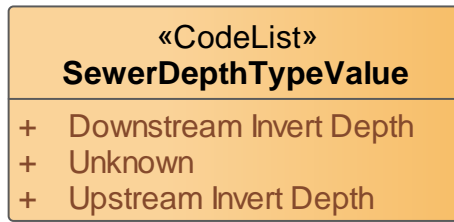


Figure 5: Codelist Register - Sewer Network

1.1.2 NHDM-NUARCustomBackdrop diagram

Class diagram in package 'NHDM-NUARCustomBackdrop'

NHDM-NUARCustomBackdrop

Version 2.1.3

Created on 11/07/2022. Last modified 08/03/2025

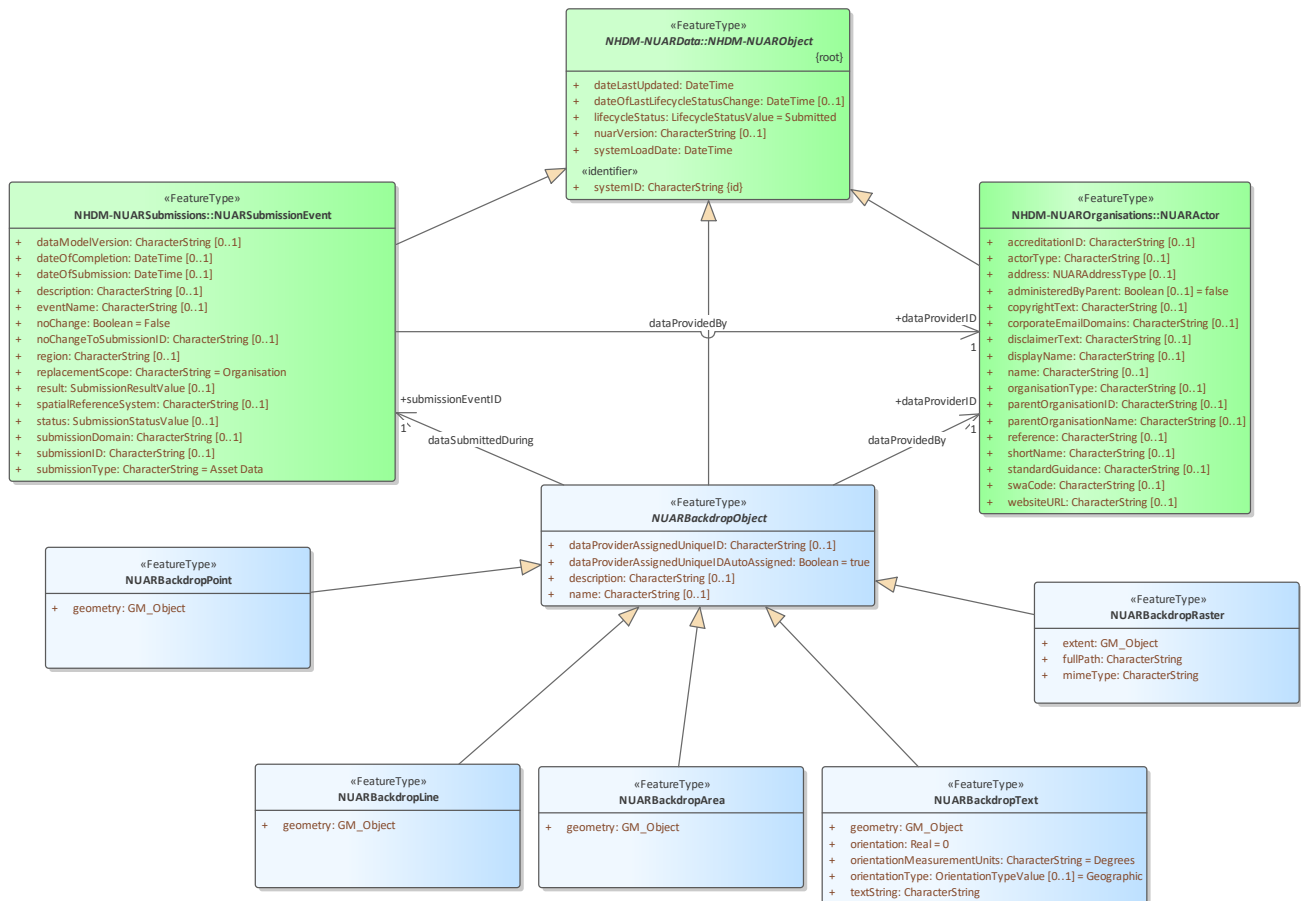


Figure 6: NHDM-NUARCustomBackdrop

GML diagram in package 'NHDM-NUARData'

Version 2.1.3

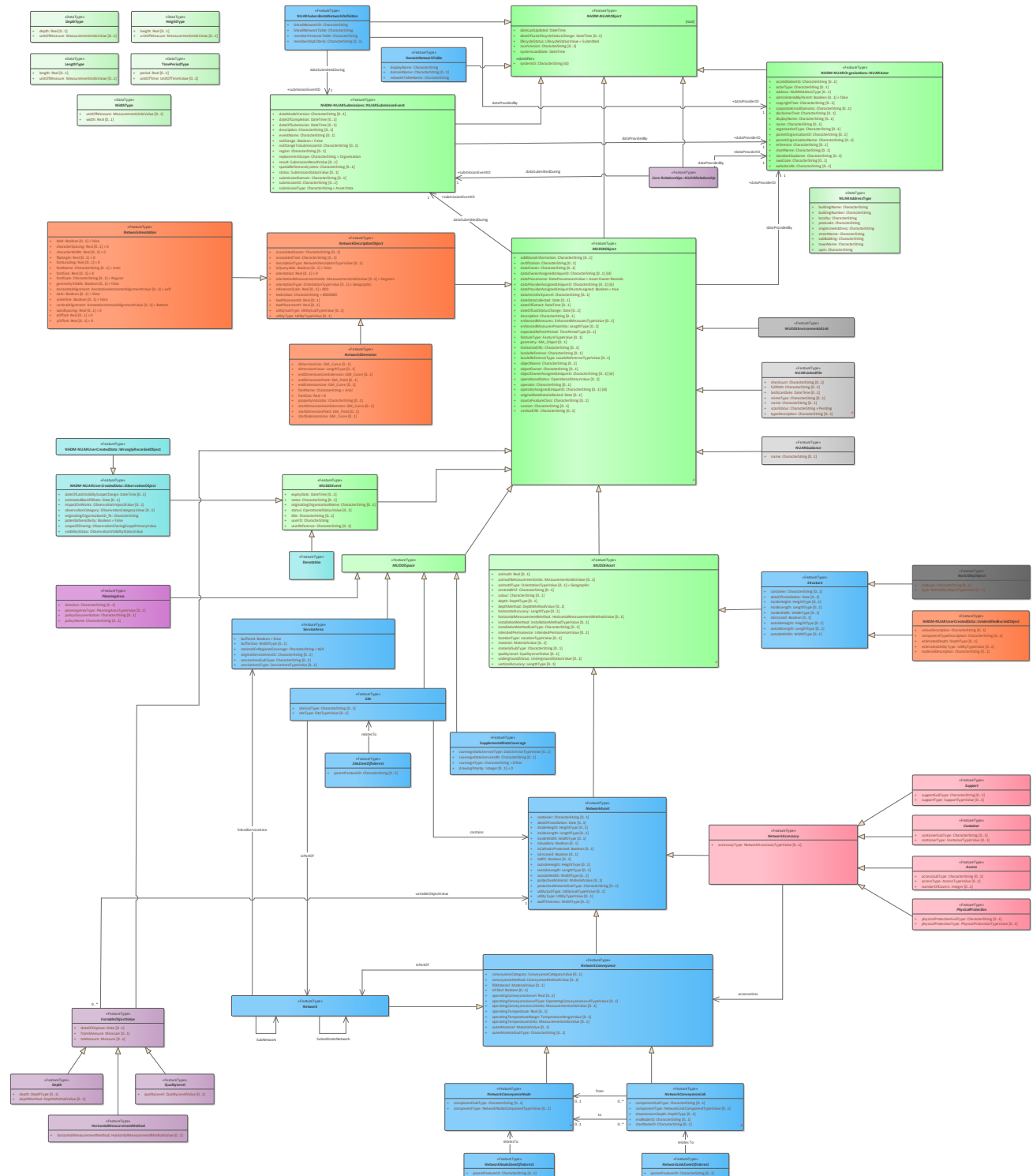


Figure 7: NUAR Harmonised Data Model - Logical - NUARData

1.1.3.1 Core Relationships diagram

Class diagram in package 'Core Relationships'

Core Relationships

Version 2.1.3

Created on 16/11/2021. Last modified 08/03/2025

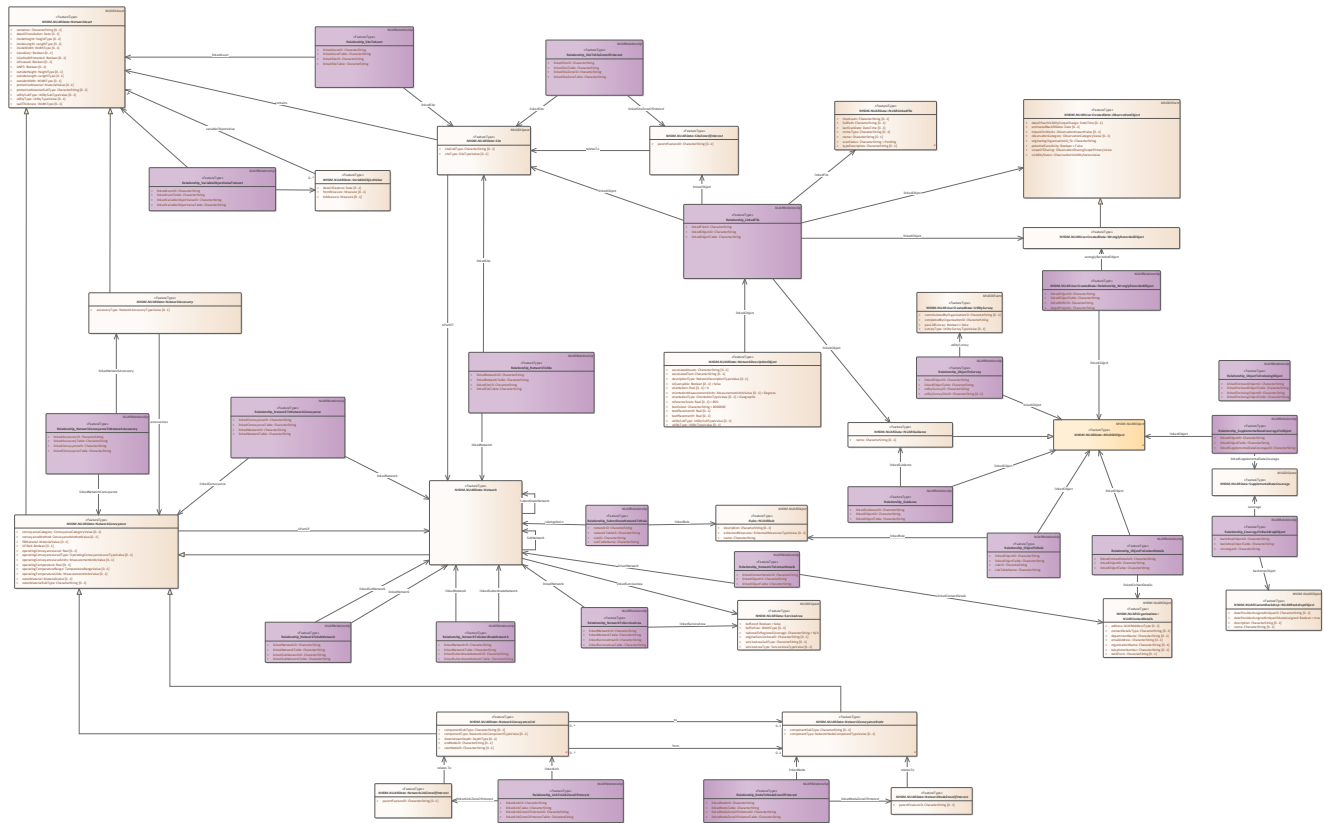


Figure 8: Core Relationships

1.1.3.2 Drainage diagram

Class diagram in package 'Drainage'

Drainage

Version 2.1.3

Created on 15/10/2020. Last modified 08/03/2025

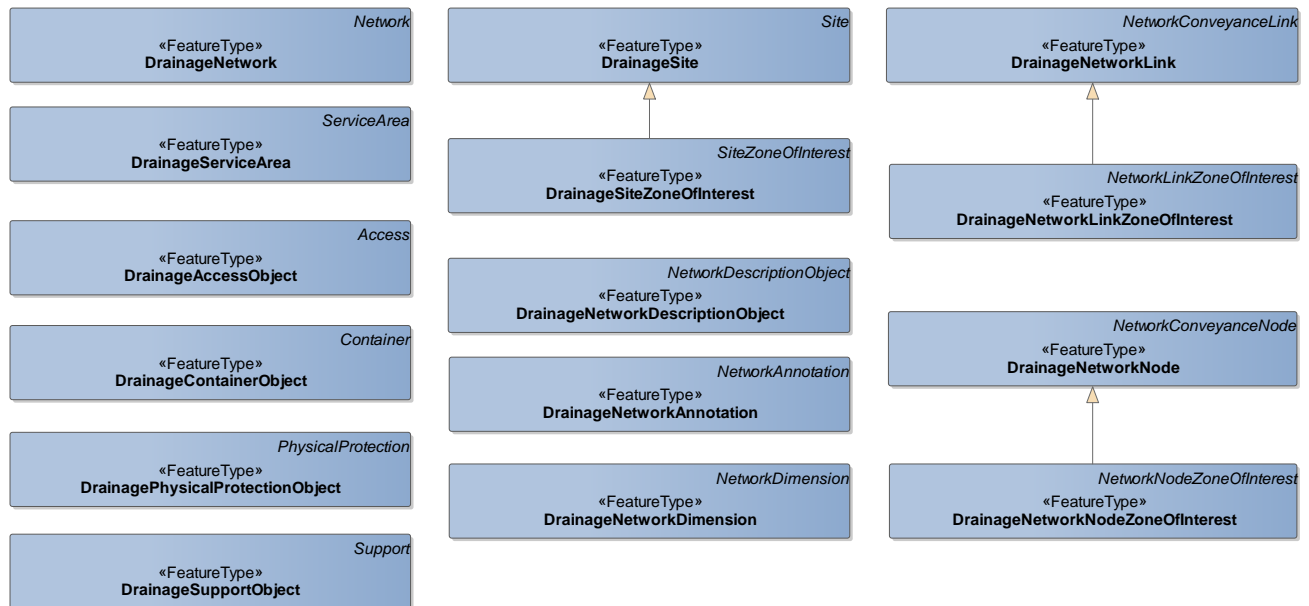


Figure 9: Drainage

1.1.3.3 Electricity Network diagram

Class diagram in package 'Electricity Network'

Electricity Network

Version 2.1.3

Created on 06/08/2019. Last modified 08/03/2025

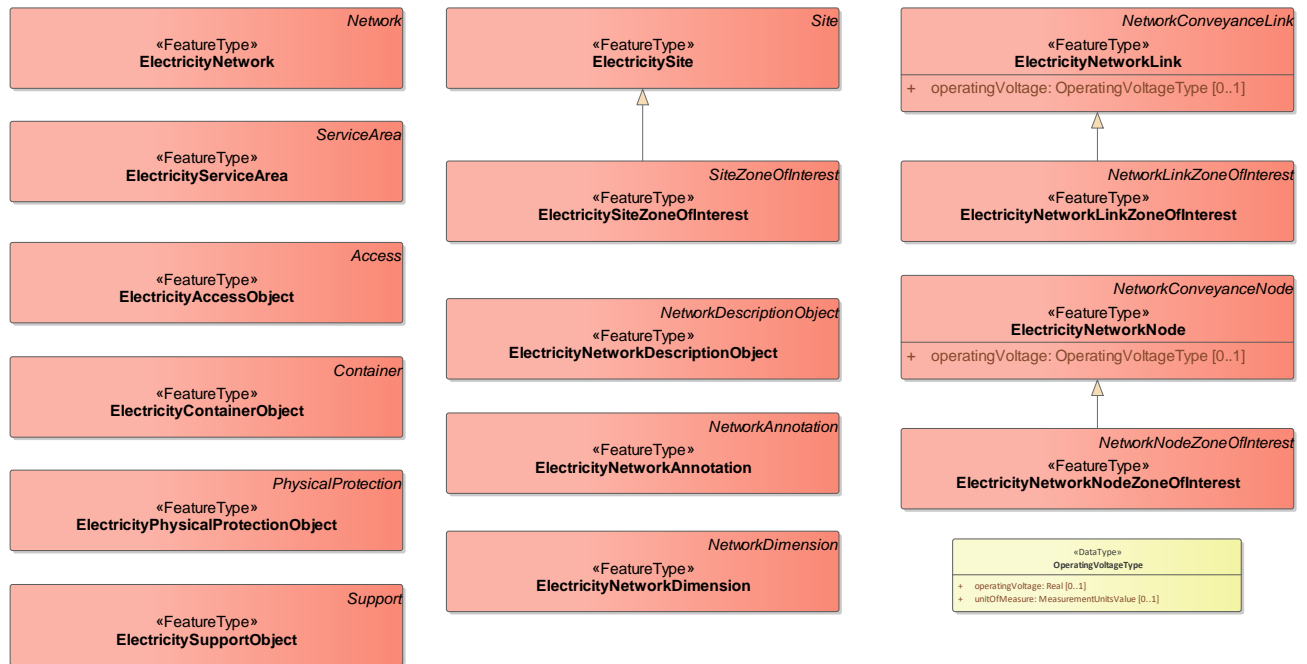


Figure 10: Electricity Network

1.1.3.4 Fuel and Chemicals Network diagram

Class diagram in package 'Fuel and Chemicals Network'

Fuel and Chemicals Network

Version 2.1.3

Created on 06/08/2019. Last modified 08/03/2025

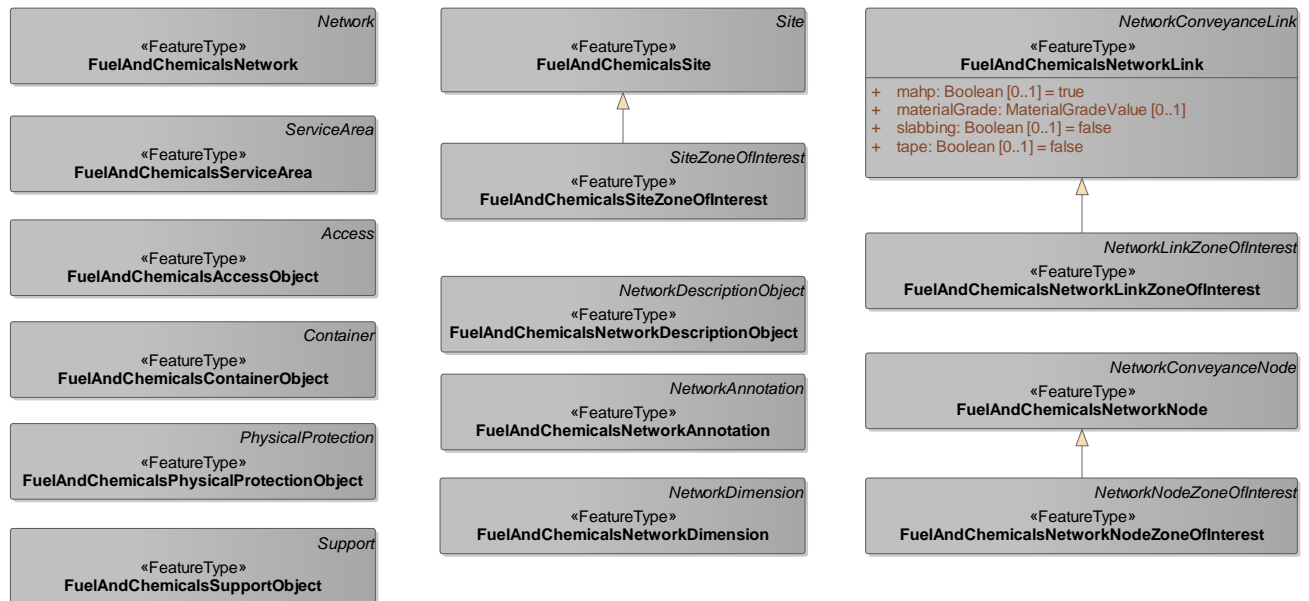


Figure 11: Fuel and Chemicals Network

1.1.3.5 Gas Network diagram

Class diagram in package 'Gas Network'

Gas Network

Version 2.1.3

Created on 06/08/2019. Last modified 08/03/2025

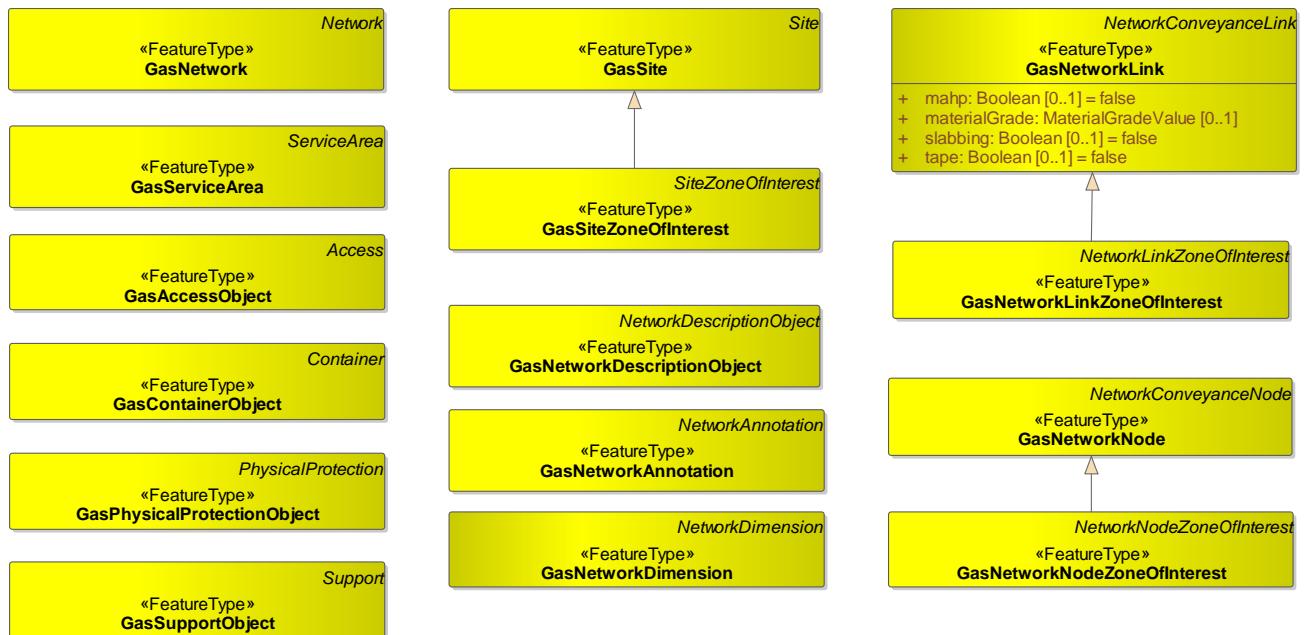


Figure 12: Gas Network

1.1.3.5.1 Planning Areas diagram

GML diagram in package 'Planning Areas'

Planning Areas

Version 2.1.3

Created on 30/03/2022. Last modified 08/03/2025

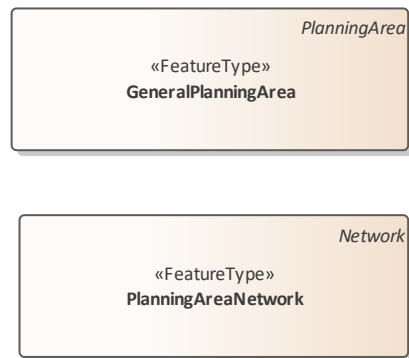


Figure 13: Planning Areas

1.1.3.5.1.1 Historical Land Use diagram

Class diagram in package 'Historical Land Use'

Historical Land Use

Version 2.1.3

Created on 15/10/2020. Last modified 08/03/2025

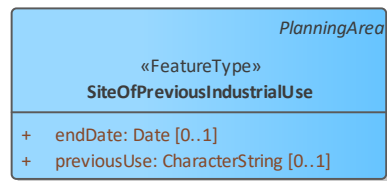


Figure 14: Historical Land Use

1.1.3.5.1.2 Protected Sites diagram

Class diagram in package 'Protected Sites'

Protected Sites

Version 2.1.3

Created on 15/10/2020. Last modified 08/03/2025

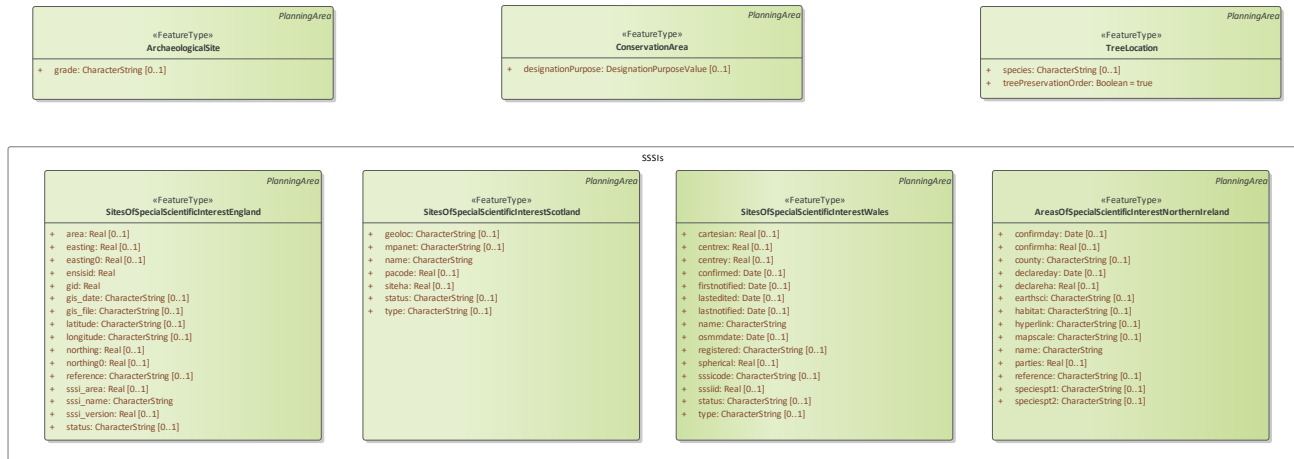


Figure 15: Protected Sites

1.1.3.5.1.3 Restricted Sites diagram

GML diagram in package 'Restricted Sites'

Restricted Sites

Version 2.1.3

Created on 30/03/2022. Last modified 08/03/2025



Figure 16: Restricted Sites

1.1.3.6 Sewer Network diagram

GML diagram in package 'Sewer Network'

Sewer Network

Version 2.1.3

Created on 06/08/2019. Last modified 08/03/2025

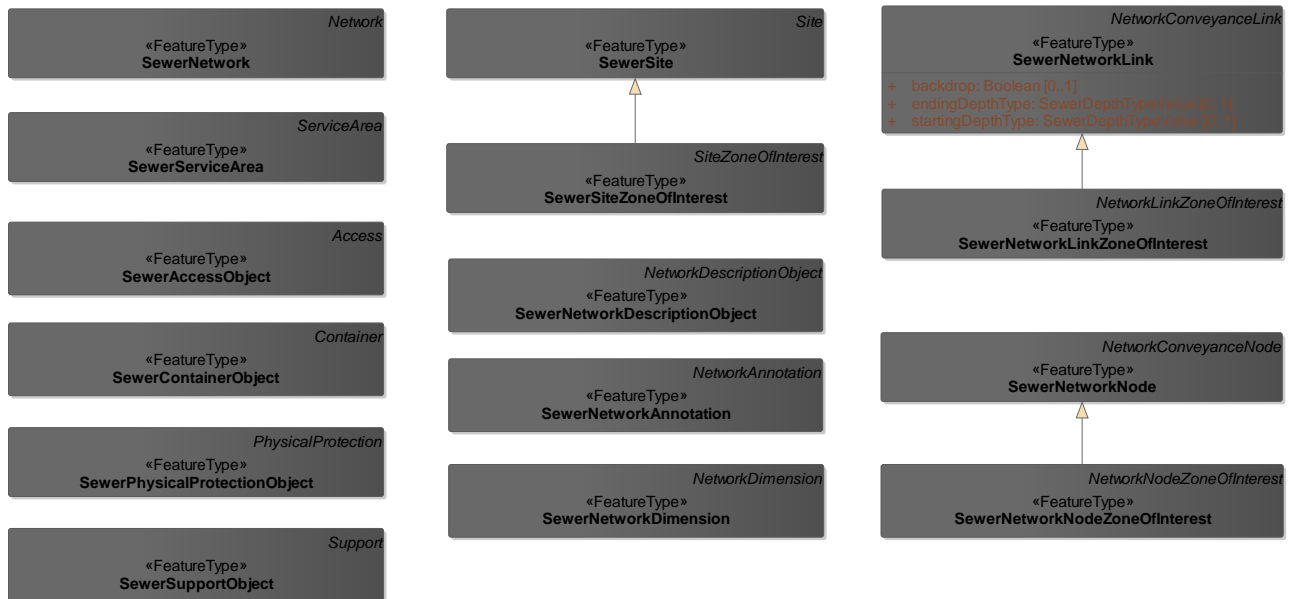


Figure 17: Sewer Network

1.1.3.7 Telecommunications Network diagram

GML diagram in package 'Telecommunications Network'

Telecommunications Network

Version 2.1.3

Created on 06/08/2019. Last modified 08/03/2025

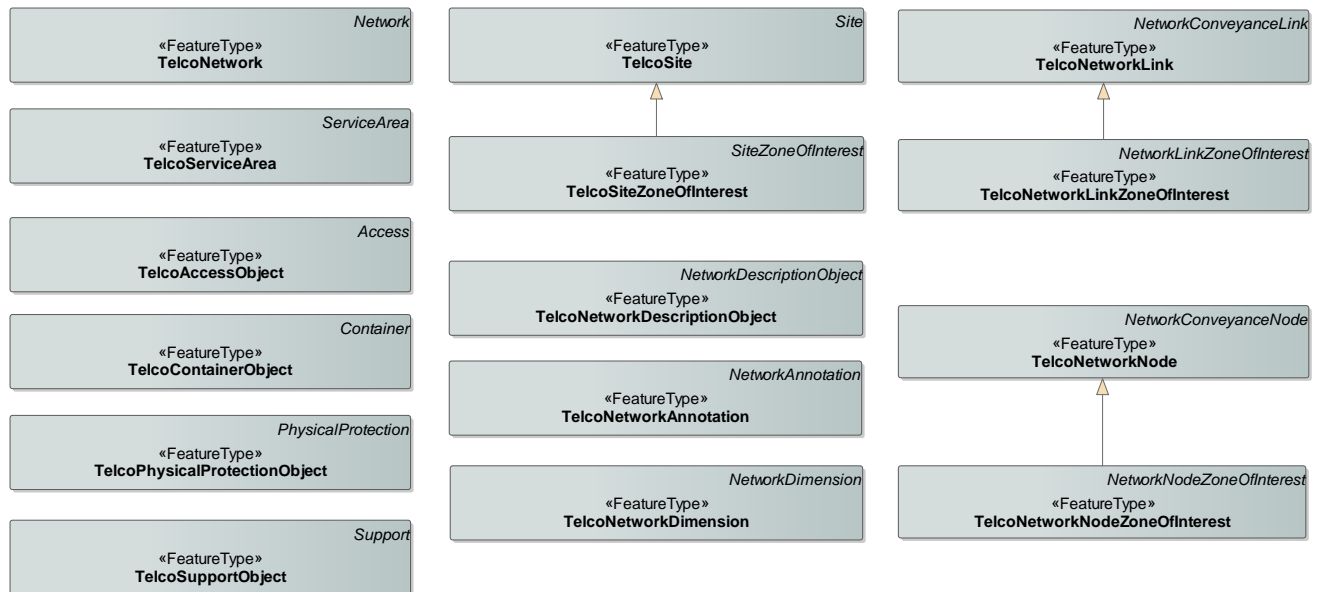


Figure 18: Telecommunications Network

1.1.3.8 Thermal Network diagram

Class diagram in package 'Thermal Network'

Thermal Network

Version 2.1.3

Created on 06/08/2019. Last modified 08/03/2025

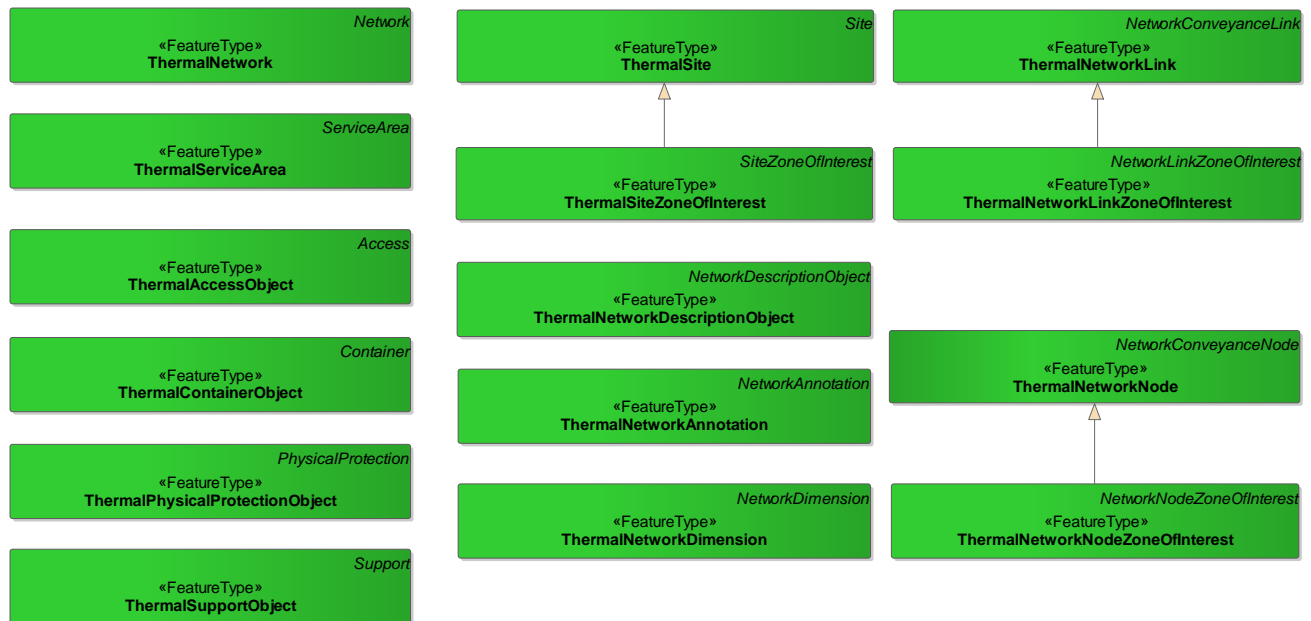


Figure 19: Thermal Network

1.1.3.9 Transport diagram

Class diagram in package 'Transport'

Transport
Version 2.1.3

Created on 06/08/2019. Last modified 08/03/2025

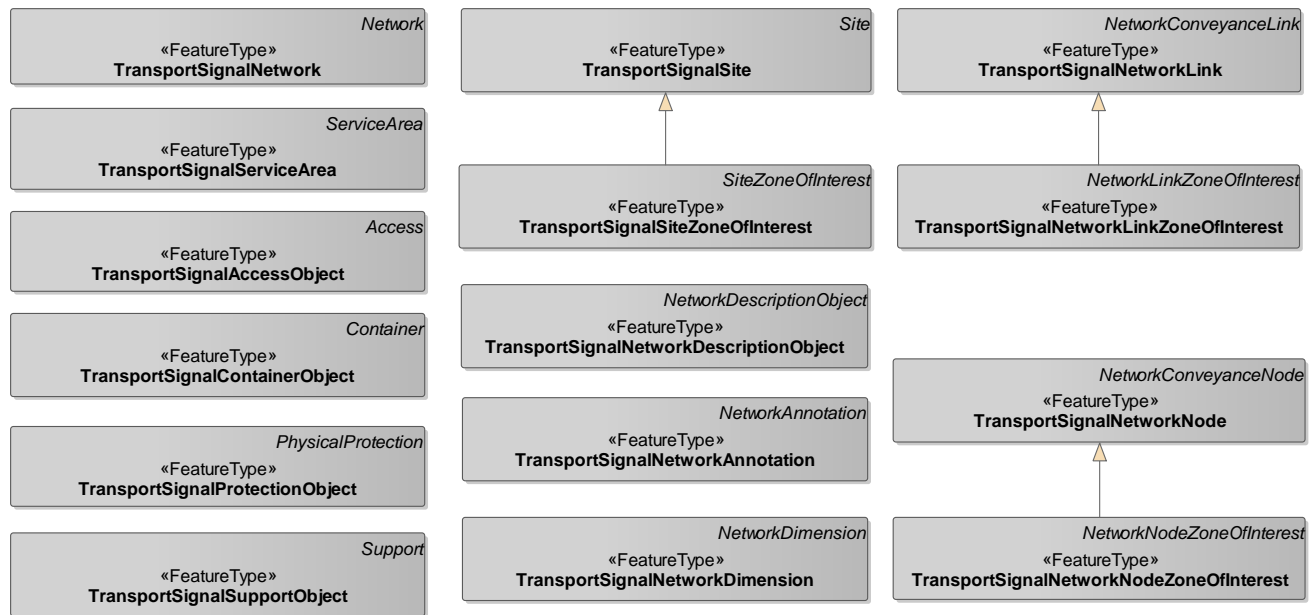


Figure 20: Transport

1.1.3.10 Water Network diagram

Class diagram in package 'Water Network'

Water Network

Version 2.1.3

Created on 06/08/2019. Last modified 08/03/2025

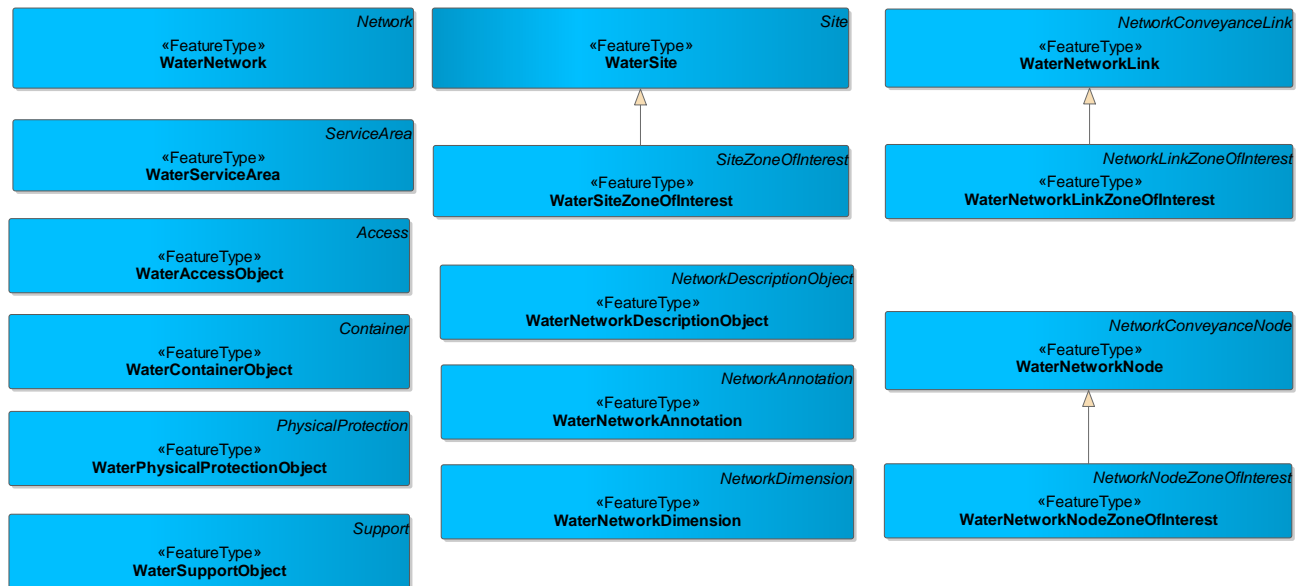


Figure 21: Water Network

1.1.4 NUAR Harmonised Data Model - Logical - NUAROrganisations diagram

GML diagram in package 'NHDM-NUAROrganisations'

NUAR Harmonised Data Model - Logical - NUAROrganisations

Version 2.1.3

Created on 30/01/2023. Last modified 08/03/2025



Figure 22: NUAR Harmonised Data Model - Logical - NUAROrganisations

1.1.4.1 NUAR Harmonised Data Model - Logical - Rules diagram

GML diagram in package 'Rules'

NUAR Harmonised Data Model - Logical - Rules

Version 2.1.3

Created on 18/08/2021. Last modified 08/03/2025

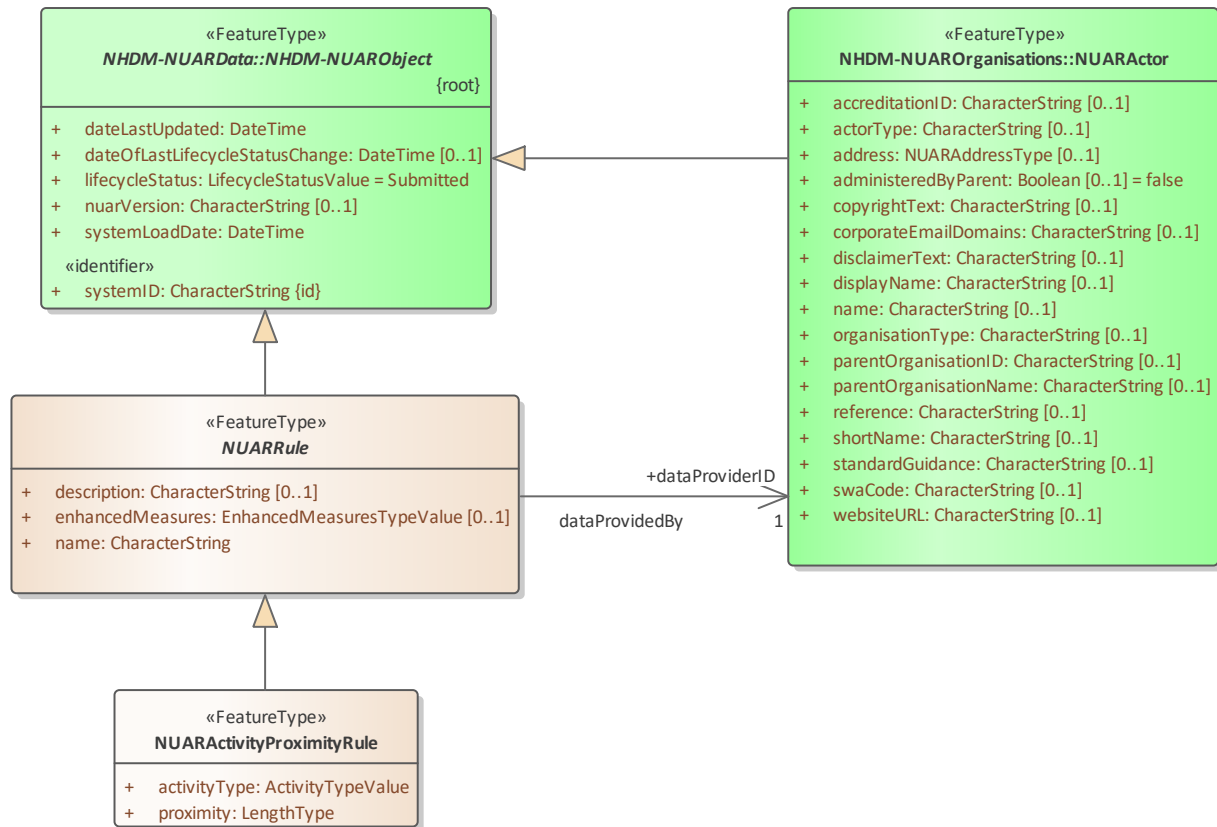


Figure 23: NUAR Harmonised Data Model - Logical - Rules

1.1.5 NUAR Harmonised Data Model - Logical - NUARSubmissions diagram

GML diagram in package 'NHDM-NUARSubmissions'

NUAR Harmonised Data Model - Logical - NUARSubmissions

Version 2.1.3

Created on 26/01/2023. Last modified 08/03/2025

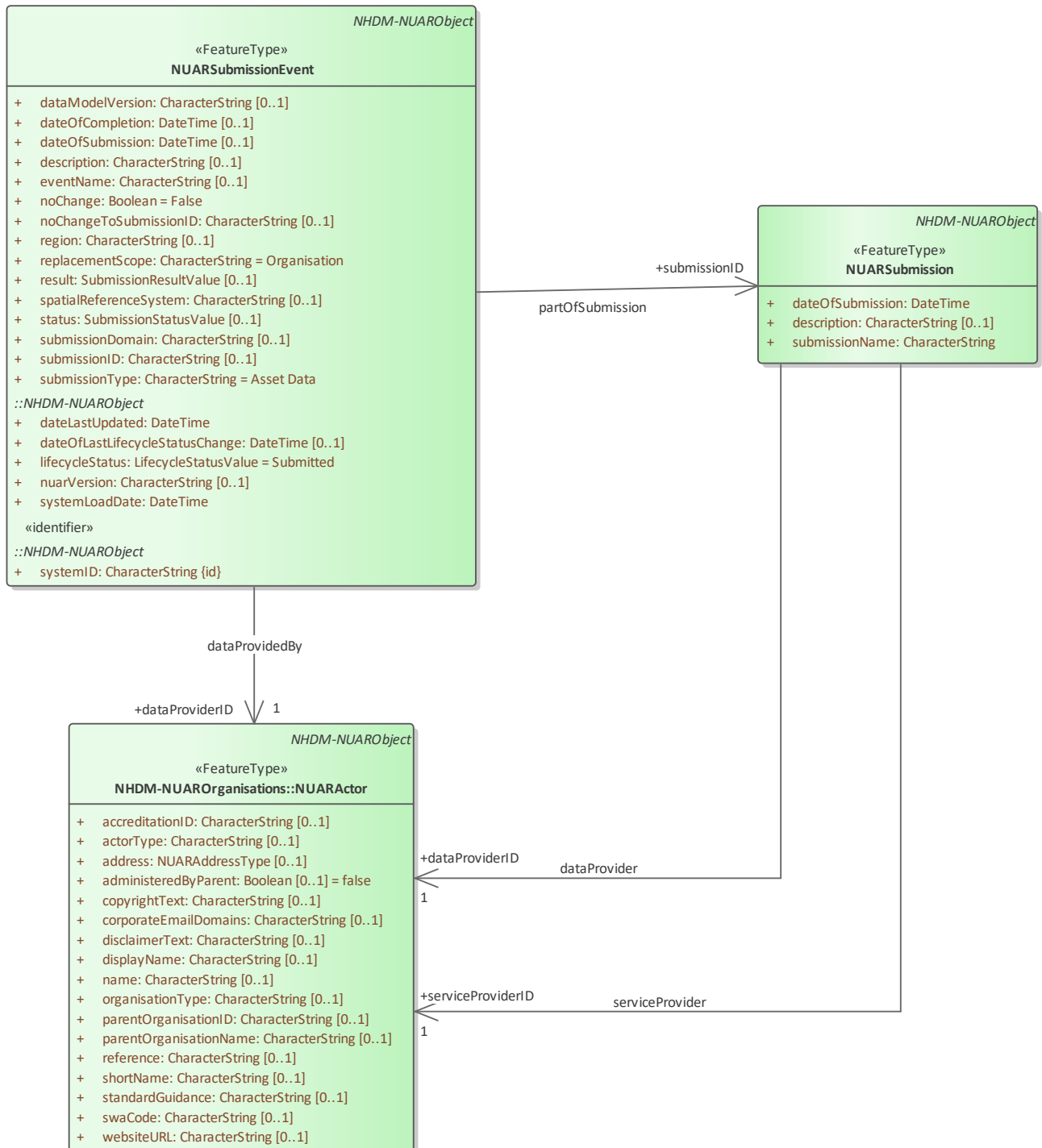


Figure 24: NUAR Harmonised Data Model - Logical - NUARSubmissions

1.1.6 NUAR Harmonised Data Model - Logical - NUARUserCreatedData diagram

GML diagram in package 'NHDM-NUARUserCreatedData'

NUAR Harmonised Data Model - Logical - NUARUserCreatedData

Version 2.1.3

Created on 31/01/2023. Last modified 08/03/2025

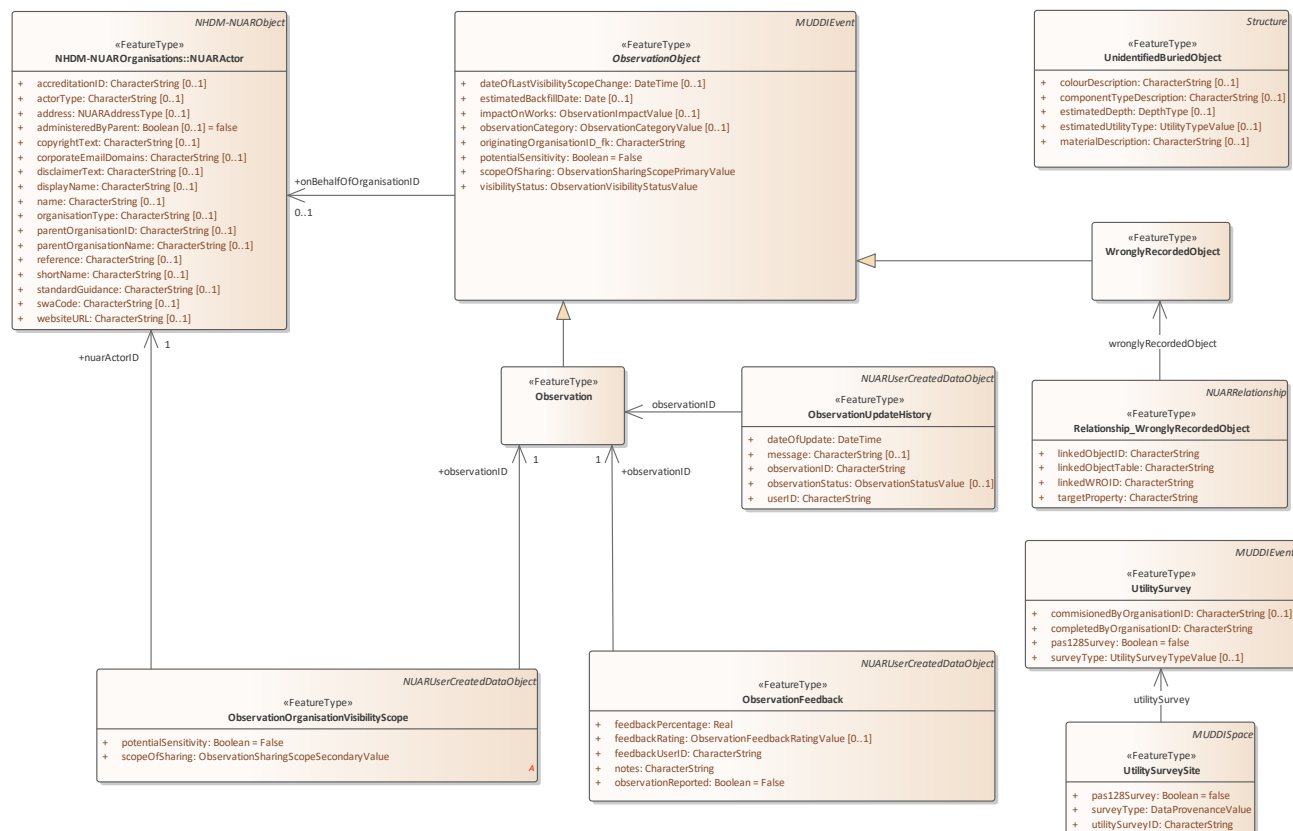


Figure 25: NUAR Harmonised Data Model - Logical - NUARUserCreatedData

1.1.7 NUAR Harmonised Data Model - Logical - NUARVersion diagram

GML diagram in package 'NHDM-NUARVersion'

NUAR Harmonised Data Model - Logical - NUARVersion

Version 2.1.3

Created on 11/03/2022. Last modified 08/03/2025

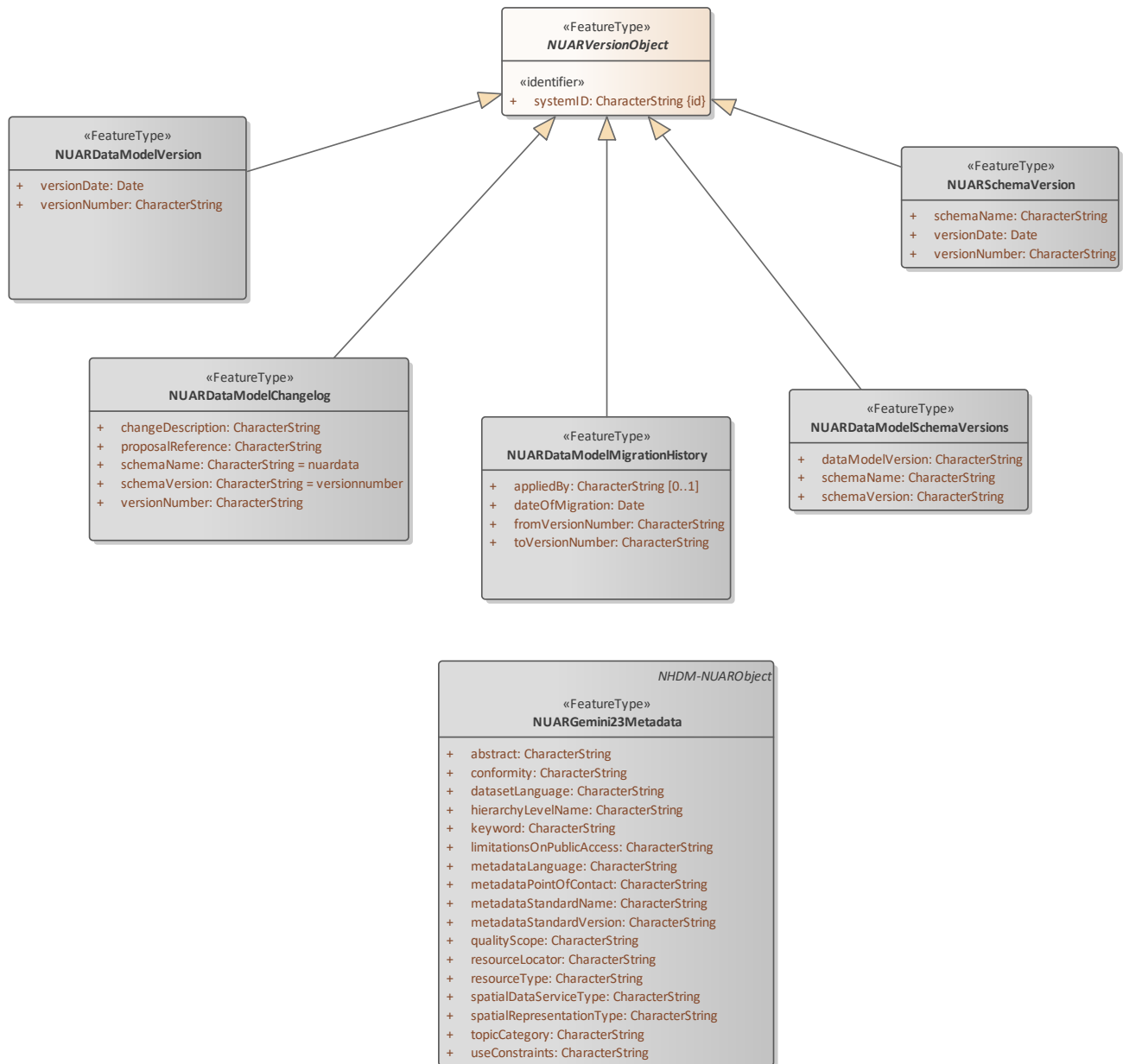


Figure 26: NUAR Harmonised Data Model - Logical - NUARVersion