



UNIFIED OFFSHORE WIND DATA MODEL

# Data Dictionary

September 2026



# Document information

Document Name: OWDM\_DataDictionary\_V1

Version control

| Version | Date       | Editor           | Comments |
|---------|------------|------------------|----------|
| 1       | 22/09/2026 | The Carbon Trust |          |

# Contents

|                                                 |    |
|-------------------------------------------------|----|
| Document information.....                       | 2  |
| Acknowledgements .....                          | 2  |
| About this document.....                        | 2  |
| Introduction.....                               | 3  |
| Terminology .....                               | 3  |
| 1. OWDM overview.....                           | 4  |
| 2. Non-infrastructure activities .....          | 7  |
| 2.1. Preparation Activity .....                 | 7  |
| 3. Infrastructure components .....              | 8  |
| 3.1. Horizontal Directional Drilling (HDD)..... | 8  |
| 3.2. Cable.....                                 | 14 |
| 3.3. Wind Turbine Generator.....                | 33 |
| 3.4. Topside.....                               | 36 |
| 3.5. Foundation .....                           | 41 |
| 3.6. Asset Protection .....                     | 47 |
| 4. Vessels .....                                | 50 |
| 4.1. Vessels .....                              | 50 |
| 5. Reference and constraints .....              | 61 |
| 5.1. Object .....                               | 61 |
| 5.2. Boundary.....                              | 64 |
| 5.3. Monitoring.....                            | 70 |
| 6. Domains .....                                | 76 |
| 6.1. Domain summary tables.....                 | 76 |
| 6.2. Domains .....                              | 84 |
| Abbreviations.....                              | 91 |

# Acknowledgements

This document was developed by the Carbon Trust and Ørsted as part of the Unison Joint Industry Project.

We acknowledge the contributions of the following groups, whose input and expertise have shaped the development of the OWDM:

**Project Partners (Project Steering Committee and Technical Committee):** EnBW, Equinor, Flotation Energy, Jera Nex bp (formerly bp), Ocean Winds, Ørsted, RWE, ScottishPower Renewables, SSE Renewables, Shell, TotalEnergies, Vattenfall.

**Technical Review Group:** Boskalis, ESRI, Fugro Survey, Jan de Nul, Nexans, Van Oord, XOCEAN.

## About this document

This document is part of a set of documents to support the use of the OWDM, developed through the Unison project.

This document is the Data Dictionary for the Offshore Wind Data Model (OWDM). It provides the detailed field-level and domain-level definitions required to implement and populate the model consistently across data exchange during the construction phase of offshore wind projects.

This Data Dictionary is intended to be read alongside the Technical Guidance, which sets out the purpose, scope, design principles, standards and data architecture of the OWDM. Users should refer to the Technical Guidance for the broader context and application of the model, and to this Data Dictionary for the specific inputs required when populating each geospatial layer.

# Introduction

The Unified Offshore Wind Data Model (Unison) project has developed the Offshore Wind Data Model (OWDM), a standardised GIS data model for the delivery and exchange of data during the construction phase of a bottom-fixed offshore wind project.

This document is the data dictionary (Deliverable 4.3), designed to define the structure of the OWDM, its various components, and the relationships between them.

Users should use the data dictionary as a reference document for the structure of the OWDM (section 2) and its various data categories. A comprehensive description of the activities and data categories considered to be in the scope of the construction phase is found in the technical guidance document.

This data dictionary was developed by the Carbon Trust and Ørsted, the delivery leads for the Unison project. Please review the revision log for the latest update date.

## Terminology

Table 1 outlines the terminology used in the OWDM, data dictionary and the technical guidance documents. Figure 1 illustrates the hierarchy of the model.

**Table 1: Terminology used in the OWDM**

| Terminology               | Definition                                                                                                                       |
|---------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| <b>Data group</b>         | An illustrative grouping of data categories organised under a common theme to support understanding and navigation of the model. |
| <b>Data category</b>      | A set of related geospatial layers grouped under a shared theme, representing a distinct aspect of construction-phase data.      |
| <b>Geospatial layer</b>   | A dataset that stores geographic features of the same geometry type (point, polyline, or polygon) with a shared set of fields.   |
| <b>Field</b>              | A defined attribute within a geospatial layer used to store a specific type of information for each feature.                     |
| <b>Domain</b>             | A rule that constrains the permissible values that can be assigned to a field.                                                   |
| <b>Domain coded value</b> | A predefined, allowable value within a domain that can be assigned to a field.                                                   |

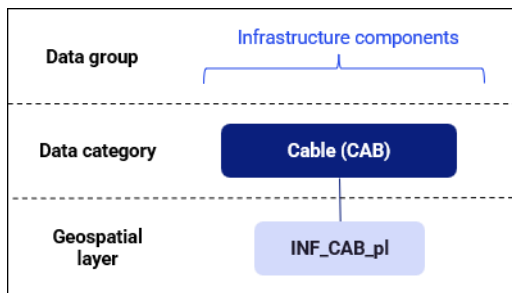


Figure 1: OWDM hierarchy example

## 1. OWDM overview

The OWDM comprises 11 data categories, each containing one or more geospatial layers. To support understanding and implementation, these data categories are grouped into four illustrative data groups: non-infrastructure activities, infrastructure components, vessels, and reference and constraints.

Figure 2 provides an overview of the OWDM schema, showing the 11 data categories and their organisation within these four groups. In total, these categories comprise 39 geospatial layers. The geospatial layer nomenclature has the following structure:

[GROUP]\_[CATEGORY]\_{AdditionalDescriptor}\_{Status/Type}\_{geometry}

Whereby:

- “[ ]” means this level of detail is required, whilst “{ }” is considered optional.
- AdditionalDescriptor provides further detail on what the layer is.
- Status/Type indicates the status or type of the layer, e.g., INF\_CAB\_EVENT\_pt (using AdditionalDescriptor) or INF\_CAB\_AsTRENCHED\_pt (using Status/Type).

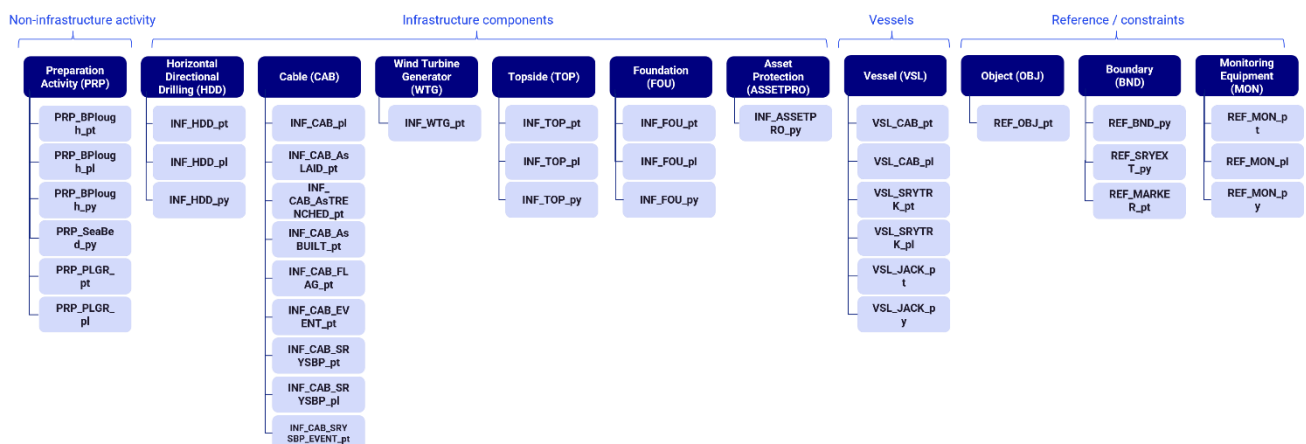


Figure 2: OWDM Schema

The geospatial layers associated with each data category, along with their corresponding fields, are defined in Sections 2 to 5.

### How to read this document

This Data Dictionary is organised into three levels of headings. The main content (Sections 2 to 5) follows the OWDM structure shown in Figure 2.

- Data group, e.g., *2. Non-infrastructure activities*
  - Represents a data group, the highest level of grouping in the model. Data groups organise related data categories under a common theme.
  - This section includes an overview of what data exchange is covered in the data group.
- Data category, e.g., *2.1 Preparation Activity*
  - Represents a data category, which contains one or more related geospatial layers grouped under a shared theme.
  - This section includes a short description of the data category, followed by a summary table listing the geospatial layers it contains and a brief explanation of each.
- Geospatial layer, e.g., *2.1.1 Boulder Plough*
  - Represents an individual geospatial layer, or a small group of closely related layers where relevant (e.g. point, polyline, and polygon layers of the same feature).
  - This section includes the field level definitions for the layer, presented in the standardised field table format described below.

Section 6 provides supporting reference tables for the domains and domain coded values applied across the model.

- Represents the supporting reference section for domains applied across the model.
- This section is organised into two subsections:
  - 6.1 Data category domains summary tables: provides a per data category summary of the domains referenced within each geospatial layer and the fields to which they apply. This allows users to quickly identify all domain constrained fields within a given data category.
  - 6.2 Domains: lists the full set of coded values for each domain in the model, presented alphabetically. For domains where each code has a plain language meaning (e.g. EVENT\_NAME), a description column is included alongside the Code.

### How to read the data dictionary geospatial layer tables

Each geospatial layer is described using a standardised field table. The columns are used as follows:

- Field name: the codified name of the field as it appears in the model (in Upper Snake Case, e.g. PLOUGH\_DIVE\_NUMBER).
- Description: a plain language explanation of what the field represents.
- Type: the data type of the field (e.g. String, Double, Short Integer, Date). See Section 5.2 of the Technical Guidance for further detail.
- Length: the maximum number of characters permitted, applicable to String fields only.
- Precision: the total number of digits stored, applicable to numeric fields (Double and Short Integer).

- Scale: the number of digits to the right of the decimal point, applicable to numeric fields.
- Domain: where the field is constrained to a fixed list of permissible values, the corresponding domain name is provided. Domain coded values are presented in Section 6.2.
- Example: an illustrative value showing how the field can be populated.

Within these tables, an empty cell indicates the column does not apply to that field. For example, Length is only relevant to String fields, so numeric fields will show an empty Length cell.

Some fields are specific to a geospatial layer, whilst others are applicable across all geospatial layers. Rows highlighted in light purple in the geospatial layer tables below represent fields that appear in every layer of the OWDM. These fields capture common metadata such as record identification (DATE, TIME, FEATURE\_ID), revision tracking (REVISION, REVISION\_DATE), coordinate reference systems (PCRS\_IDENTIFIER, VCRS\_IDENTIFIER), contractor responsibility (CONTRACTOR\_NAME), and data origin (DATA\_SOURCE).

## 2. Non-infrastructure activities

This data group captures data for construction-related activities that do not form part of permanent offshore wind infrastructure. This includes the preparation activity data category.

### 2.1. Preparation Activity

**Description:** Activities carried out during offshore wind construction preparing the seabed or surrounding environment for infrastructure installation, such as sand wave clearance.

**Table 2: Summary of the geospatial layers in the preparation activity data category**

| Geospatial layer | Description                                                                                                          |
|------------------|----------------------------------------------------------------------------------------------------------------------|
| PRP_PLGR_pt      | Point layer capturing discrete measurement points along a PLGR operation (e.g. tension, DCC readings at specific KP) |
| PRP_PLGR_pl      | Polyline layer representing the linear path travelled during a PLGR operation                                        |
| PRP_BPLOUGH_pt   | Point layer capturing discrete measurement points along a boulder plough pass (e.g. DCC, tension at specific KP)     |
| PRP_BPLOUGH_pl   | Polyline layer representing the linear path travelled by the boulder plough                                          |
| PRP_BPLOUGH_py   | Polygon layer representing the area swept by the boulder plough                                                      |
| PRP_SBP_py       | Polygon layer capturing the spatial extent of seabed preparation works (e.g. sand wave clearance, dredging area)     |

#### 2.1.1. Boulder Plough

**Description:** Captures the spatial extent and operational parameters of seabed clearance activities undertaken to remove or displace boulders prior to installation.

| Data group           | Data category  | Codified name  | Geometry type |
|----------------------|----------------|----------------|---------------|
| Preparation Activity | Boulder Plough | PRP_BPLOUGH_pt | Point         |

| Field name      | Description                                                                  | Type   | Length | Precision | Scale | Domain | Example                  |
|-----------------|------------------------------------------------------------------------------|--------|--------|-----------|-------|--------|--------------------------|
| DATE            | Record creation date                                                         | Date   |        |           |       |        | 07/09/2026<br>DD/MM/YYYY |
| TIME            | Record creation time                                                         | String | 8      |           |       |        | 14:32:15                 |
| FEATURE_ID      | Unique project-specific identifier for the feature                           | String | 50     |           |       |        | A01                      |
| CONTRACTOR_NAME | Name of the contractor responsible for the data exchange                     | String | 100    |           |       |        | Contractor 1             |
| REVISION        | Numeric revision number for the feature record                               | String | 10     |           |       |        | 2                        |
| REVISION_DATE   | Date when revision was applied                                               | Date   |        |           |       |        | 15/06/2026               |
| PCRS_IDENTIFIER | Projected Coordinate Reference System code                                   | String | 50     |           |       |        | 25831                    |
| VCRS_IDENTIFIER | Vertical Coordinate Reference System code used for elevation or depth values | String | 50     |           |       |        | 5715                     |
| DATA_SOURCE     | Origin of the data e.g., survey, as-built                                    | String | 255    |           |       |        | As-built survey report   |
| EASTING         | Projected X coordinate                                                       | Double |        | 38        | 8     |        | 654321.235               |
| NORTHING        | Projected Y coordinate                                                       | Double |        | 38        | 8     |        | 5987654.128              |
| LONGITUDE       | Longitude in decimal degrees                                                 | Double |        | 38        | 8     |        | 1.234567                 |
| LATITUDE        | Latitude in decimal degrees                                                  | Double |        | 38        | 8     |        | 54.123456                |
| DESIGN_KP       | Design Kilometre Point (KP) along the reference alignment                    | Double |        | 38        | 8     |        | 12.345                   |

|                           |                                                                                                    |               |    |    |   |                 |            |
|---------------------------|----------------------------------------------------------------------------------------------------|---------------|----|----|---|-----------------|------------|
| <b>PASS_NUMBER</b>        | Pass number for the ploughing activity                                                             | Short Integer |    | 5  | 0 |                 | 2          |
| <b>PLOUGH_DIVE_NUMBER</b> | Identifier for the plough dive or deployment                                                       | Short Integer |    | 5  | 0 |                 | 1          |
| <b>DCC</b>                | Distance cross course, representing the lateral offset perpendicular to the design route alignment | Double        |    | 38 | 8 |                 | 1.25       |
| <b>DCC_UNIT</b>           | Unit of measure used for DCC                                                                       | String        | 50 |    |   | UNIT_OF_MEASURE | Metre      |
| <b>TENSION</b>            | Measured or reported tensile load applied to the during boulder plough activity                    | Double        |    | 38 | 8 |                 | 8.5        |
| <b>TENSION_UNIT</b>       | Unit of measurement for tension                                                                    | String        | 50 |    |   | UNIT_OF_MEASURE | Metric Ton |

| Data group           | Data category  | Codified name  | Geometry type |
|----------------------|----------------|----------------|---------------|
| Preparation Activity | Boulder Plough | PRP_BPLOUGH_pl | Polyline      |

| Field name             | Description                                              | Type   | Length | Precision | Scale | Domain | Example                  |
|------------------------|----------------------------------------------------------|--------|--------|-----------|-------|--------|--------------------------|
| <b>DATE</b>            | Record creation date                                     | Date   |        |           |       |        | 07/09/2026<br>DD/MM/YYYY |
| <b>TIME</b>            | Record creation time                                     | String | 8      |           |       |        | 14:32:15                 |
| <b>FEATURE_ID</b>      | Unique project-specific identifier for the feature       | String | 50     |           |       |        | A01                      |
| <b>CONTRACTOR_NAME</b> | Name of the contractor responsible for the data exchange | String | 100    |           |       |        | Contractor 1             |
| <b>REVISION</b>        | Numeric revision number for the feature record           | String | 10     |           |       |        | 2                        |
| <b>REVISION_DATE</b>   | Date when revision was applied                           | Date   |        |           |       |        | 15/06/2026               |
| <b>PCRS_IDENTIFIER</b> | Projected Coordinate Reference System code               | String | 50     |           |       |        | 25831                    |

|                            |                                                                              |               |     |    |   |                 |                        |
|----------------------------|------------------------------------------------------------------------------|---------------|-----|----|---|-----------------|------------------------|
| <b>VCRS_IDENTIFIER</b>     | Vertical Coordinate Reference System code used for elevation or depth values | String        | 50  |    |   |                 | 5715                   |
| <b>DATA_SOURCE</b>         | Origin of the data e.g., survey, as-built                                    | String        | 255 |    |   |                 | As-built survey report |
| <b>PLOUGH_DIVE_NUMBER</b>  | Identifier for the plough dive or deployment                                 | Short Integer |     | 5  | 0 |                 | 1                      |
| <b>FEATURE_LENGTH</b>      | Horizontal length of the feature                                             | Double        |     | 38 | 8 |                 | 25                     |
| <b>FEATURE_LENGTH_UNIT</b> | Unit of measurement for feature length                                       | String        | 50  |    |   | UNIT_OF_MEASURE | Metre                  |

| Data group           | Data category  | Codified name  | Geometry type |
|----------------------|----------------|----------------|---------------|
| Preparation Activity | Boulder Plough | PRP_BPLOUGH_py | Polygon       |

| Field name             | Description                                              | Type   | Length | Precision | Scale | Domain | Example                  |
|------------------------|----------------------------------------------------------|--------|--------|-----------|-------|--------|--------------------------|
| <b>DATE</b>            | Record creation date                                     | Date   |        |           |       |        | 07/09/2026<br>DD/MM/YYYY |
| <b>TIME</b>            | Record creation time                                     | String | 8      |           |       |        | 14:32:15                 |
| <b>FEATURE_ID</b>      | Unique project-specific identifier for the feature       | String | 50     |           |       |        | A01                      |
| <b>CONTRACTOR_NAME</b> | Name of the contractor responsible for the data exchange | String | 100    |           |       |        | Contractor 1             |
| <b>REVISION</b>        | Numeric revision number for the feature record           | String | 10     |           |       |        | 2                        |
| <b>REVISION_DATE</b>   | Date when revision was applied                           | Date   |        |           |       |        | 15/06/2026               |
| <b>PCRS_IDENTIFIER</b> | Projected Coordinate Reference System code               | String | 50     |           |       |        | 25831                    |

|                          |                                                                              |               |     |    |   |                 |                        |
|--------------------------|------------------------------------------------------------------------------|---------------|-----|----|---|-----------------|------------------------|
| <b>VCRS_IDENTIFIER</b>   | Vertical Coordinate Reference System code used for elevation or depth values | String        | 50  |    |   |                 | 5715                   |
| <b>DATA_SOURCE</b>       | Origin of the data e.g., survey, as-built                                    | String        | 255 |    |   |                 | As-built survey report |
| <b>EASTING_CENTROID</b>  | Easting coordinate of centroid                                               | Double        |     | 38 | 8 |                 | 654321.235             |
| <b>NORTHING_CENTROID</b> | Northing coordinate of centroid                                              | Double        |     | 38 | 8 |                 | 5987654.128            |
| <b>PASS_NUMBER</b>       | Pass number for the ploughing activity                                       | Short Integer |     | 5  | 0 |                 | 2                      |
| <b>WIDTH_PLOUGH</b>      | Effective plough width during the boulder plough activity                    | Double        |     | 38 | 8 |                 | 5                      |
| <b>WIDTH_PLOUGH_UNIT</b> | Unit of measurement for plough width                                         | String        | 50  |    |   | UNIT_OF_MEASURE | Metre                  |
| <b>FEATURE_AREA</b>      | Area of the boulder plough activity                                          | Double        |     | 38 | 8 |                 | 15000.25               |
| <b>FEATURE_AREA_UNIT</b> | Unit of measurement for boulder plough activity area                         | String        | 50  |    |   | UNIT_OF_MEASURE | Sq Metre               |

### 2.1.2. Seabed Preparation Activity

**Description:** Records the spatial extent and characteristics of seabed preparation works, including clearance type, volume, and affected area.

| Data group           | Data category               | Codified name | Geometry type |
|----------------------|-----------------------------|---------------|---------------|
| Preparation Activity | Seabed Preparation Activity | PRP_SBP_py    | Polygon       |

| Field name             | Description                                                                                                             | Type   | Length | Precision | Scale | Domain                | Example                  |
|------------------------|-------------------------------------------------------------------------------------------------------------------------|--------|--------|-----------|-------|-----------------------|--------------------------|
| <b>DATE</b>            | Record creation date                                                                                                    | Date   |        |           |       |                       | 07/09/2026<br>DD/MM/YYYY |
| <b>TIME</b>            | Record creation time                                                                                                    | String | 8      |           |       |                       | 14:32:15                 |
| <b>FEATURE_ID</b>      | Unique project-specific identifier for the feature                                                                      | String | 50     |           |       |                       | A01                      |
| <b>CONTRACTOR_NAME</b> | Name of the contractor responsible for the data exchange                                                                | String | 100    |           |       |                       | Contractor 1             |
| <b>REVISION</b>        | Numeric revision number for the feature record                                                                          | String | 10     |           |       |                       | 2                        |
| <b>REVISION_DATE</b>   | Date when revision was applied                                                                                          | Date   |        |           |       |                       | 15/06/2026               |
| <b>PCRS_IDENTIFIER</b> | Projected Coordinate Reference System code                                                                              | String | 50     |           |       |                       | 25831                    |
| <b>VCRS_IDENTIFIER</b> | Vertical Coordinate Reference System code used for elevation or depth values                                            | String | 50     |           |       |                       | 5715                     |
| <b>DATA_SOURCE</b>     | Origin of the data                                                                                                      | String | 255    |           |       |                       | As-built survey report   |
| <b>TYPE</b>            | Classification of the seabed preparation activity based on the applied clearance method and material handling approach. | String | 50     |           |       | SEABED_CLEARANCE_TYPE | Sand wave clearance      |

|                          |                                                                                                                |        |     |    |   |                 |                                                 |
|--------------------------|----------------------------------------------------------------------------------------------------------------|--------|-----|----|---|-----------------|-------------------------------------------------|
| <b>TYPE_DESCRIPTION</b>  | Additional free text description providing further detail on the type or description if Other selected in TYPE | String | 255 |    |   |                 | Sand wave levelling ahead of cable installation |
| <b>PURPOSE</b>           | Describes the primary purpose of the seabed preparation activity.                                              | String | 100 |    |   |                 | Cable Trenching Preparation                     |
| <b>FEATURE_AREA</b>      | Area of the seabed preparation activity                                                                        | Double |     | 38 | 8 |                 | 15000.25                                        |
| <b>FEATURE_AREA_UNIT</b> | Unit of measurement for seabed preparation activity area                                                       | String | 50  |    |   | UNIT_OF_MEASURE | Sq Metre                                        |
| <b>VOLUME</b>            | Quantity of material removed, displaced, or otherwise affected by the activity.                                | Double |     | 38 | 8 |                 | 500                                             |
| <b>VOLUME_UNIT</b>       | Unit of measure associated with the reported seabed preparation material volume.                               | String | 50  |    |   | UNIT_OF_MEASURE | Metre Cubed                                     |

### 2.1.3. Pre-Lay Grapnel Run

**Description:** Represents pre-installation operations carried out to clear debris along cable routes prior to cable laying activities.

| Data group           | Data category       | Codified name | Geometry type |
|----------------------|---------------------|---------------|---------------|
| Preparation Activity | Pre-Lay Grapnel Run | PRP_PLGR_pt   | Point         |

| Field name  | Description          | Type | Length | Precision | Scale | Domain | Example                  |
|-------------|----------------------|------|--------|-----------|-------|--------|--------------------------|
| <b>DATE</b> | Record creation date | Date |        |           |       |        | 07/09/2026<br>DD/MM/YYYY |

|                            |                                                                                     |               |     |    |   |                 |                        |
|----------------------------|-------------------------------------------------------------------------------------|---------------|-----|----|---|-----------------|------------------------|
| <b>TIME</b>                | Record creation time                                                                | String        | 8   |    |   |                 | 14:32:15               |
| <b>FEATURE_ID</b>          | Unique project-specific identifier for the feature                                  | String        | 50  |    |   |                 | A01                    |
| <b>CONTRACTOR_NAME</b>     | Name of the contractor responsible for the data exchange                            | String        | 100 |    |   |                 | Contractor 1           |
| <b>REVISION</b>            | Numeric revision number for the feature record                                      | String        | 10  |    |   |                 | 2                      |
| <b>REVISION_DATE</b>       | Date when revision was applied                                                      | Date          |     |    |   |                 | 15/06/2026             |
| <b>PCRS_IDENTIFIER</b>     | Projected Coordinate Reference System code                                          | String        | 50  |    |   |                 | 25831                  |
| <b>VCRS_IDENTIFIER</b>     | Vertical Coordinate Reference System code used for elevation or depth values        | String        | 50  |    |   |                 | 5715                   |
| <b>DATA_SOURCE</b>         | Origin of the data                                                                  | String        | 255 |    |   |                 | As-built survey report |
| <b>PLGR_NUMBER</b>         | A unique identifier for the Pre-Lay Grapnel Run (PLGR) operation or pass            | Short Integer |     | 5  | 0 |                 | 1                      |
| <b>EASTING</b>             | Projected X coordinate                                                              | Double        |     | 38 | 8 |                 | 654321.235             |
| <b>NORTHING</b>            | Projected Y coordinate                                                              | Double        |     | 38 | 8 |                 | 5987654.128            |
| <b>LONGITUDE</b>           | Longitude in decimal degrees                                                        | Double        |     | 38 | 8 |                 | 1.234567               |
| <b>LATITUDE</b>            | Latitude in decimal degrees                                                         | Double        |     | 38 | 8 |                 | 54.123456              |
| <b>FEATURE_LENGTH</b>      | Horizontal length of the feature                                                    | Double        |     | 38 | 8 |                 | 25                     |
| <b>FEATURE_LENGTH_UNIT</b> | Unit of measure for the feature length                                              | String        | 50  |    |   | UNIT_OF_MEASURE | Metre                  |
| <b>DESIGN_KP</b>           | Design Kilometre Point (KP) along the reference alignment                           | Double        |     | 38 | 8 |                 | 12.345                 |
| <b>DESIGN_KP_REFERENCE</b> | Description of the reference line or route used for the design Kilometre Point (KP) | String        | 50  |    |   |                 | Cable route CR01       |

|                     |                                                                                                    |        |    |    |   |                 |            |
|---------------------|----------------------------------------------------------------------------------------------------|--------|----|----|---|-----------------|------------|
| <b>DCC</b>          | Distance cross course, representing the lateral offset perpendicular to the design route alignment | Double |    | 38 | 8 |                 | 1.25       |
| <b>DCC_UNIT</b>     | Unit of measure used for DCC                                                                       | String | 50 |    |   | UNIT_OF_MEASURE | Metre      |
| <b>TENSION</b>      | Measured or reported tensile load applied during the pre-lay grapnel run operation                 | Double |    | 38 | 8 |                 | 8.5        |
| <b>TENSION_UNIT</b> | Unit of measurement for tension                                                                    | String | 50 |    |   | UNIT_OF_MEASURE | Metric Ton |

| Data group           | Data category       | Codified name | Geometry type |
|----------------------|---------------------|---------------|---------------|
| Preparation Activity | Pre-Lay Grapnel Run | PRP_PLGR_pl   | Polyline      |

| Field name             | Description                                              | Type   | Length | Precision | Scale | Domain | Example                  |
|------------------------|----------------------------------------------------------|--------|--------|-----------|-------|--------|--------------------------|
| <b>DATE</b>            | Record creation date                                     | Date   |        |           |       |        | 07/09/2026<br>DD/MM/YYYY |
| <b>TIME</b>            | Record creation time                                     | String | 8      |           |       |        | 14:32:15                 |
| <b>FEATURE_ID</b>      | Unique project-specific identifier for the feature       | String | 50     |           |       |        | A01                      |
| <b>CONTRACTOR_NAME</b> | Name of the contractor responsible for the data exchange | String | 100    |           |       |        | Contractor 1             |
| <b>REVISION</b>        | Numeric revision number for the feature record           | String | 10     |           |       |        | 2                        |
| <b>REVISION_DATE</b>   | Date when revision was applied                           | Date   |        |           |       |        | 15/06/2026               |

|                            |                                                                              |               |     |    |   |                 |                        |
|----------------------------|------------------------------------------------------------------------------|---------------|-----|----|---|-----------------|------------------------|
| <b>PCRS_IDENTIFIER</b>     | Projected Coordinate Reference System code                                   | String        | 50  |    |   |                 | 25831                  |
| <b>VCRS_IDENTIFIER</b>     | Vertical Coordinate Reference System code used for elevation or depth values | String        | 50  |    |   |                 | 5715                   |
| <b>DATA_SOURCE</b>         | Origin of the data                                                           | String        | 255 |    |   |                 | As-built survey report |
| <b>PLGR_NUMBER</b>         | A unique identifier for the Pre-Lay Grapnel Run (PLGR) operation or pass     | Short Integer |     | 5  | 0 |                 | 1                      |
| <b>FEATURE_LENGTH</b>      | Horizontal length of the feature                                             | Double        |     | 38 | 8 |                 | 25                     |
| <b>FEATURE_LENGTH_UNIT</b> | Unit of measure for the feature length                                       | String        | 50  |    |   | UNIT_OF_MEASURE | Metre                  |

## 3. Infrastructure components

This data group represents the physical offshore wind assets installed during construction, along with the protection measures applied to those assets. This includes data categories Horizontal Directional Drilling, Cable, Wind Turbine Generator, Topside, Foundation and Asset Protection.

### 3.1. Horizontal Directional Drilling (HDD)

**Description:** Captures the geometry and characteristics of trenchless drilling operations used to install cables at landfall or constrained locations.

**Table 3: Summary of the geospatial layers in the horizontal directional drilling data category**

| Geospatial layer | Description                                                                             |
|------------------|-----------------------------------------------------------------------------------------|
| INF_HDD_pt       | Point layer capturing the HDD entry and exit locations                                  |
| INF_HDD_pl       | Polyline layer representing the drill path between entry and exit points                |
| INF_HDD_py       | Polygon layer representing HDD work areas, coffer dams, exit pits, or drill spoil areas |

#### 3.1.1. Horizontal Directional Drilling

| Data group                | Data category                         | Codified name | Geometry type |
|---------------------------|---------------------------------------|---------------|---------------|
| Infrastructure Components | Horizontal Directional Drilling Point | INF_HDD_pt    | Point         |

| Field name             | Description                                                                  | Type   | Length | Precision | Scale | Domain          | Example                  |
|------------------------|------------------------------------------------------------------------------|--------|--------|-----------|-------|-----------------|--------------------------|
| <b>DATE</b>            | Record creation date                                                         | Date   |        |           |       |                 | 07/09/2026<br>DD/MM/YYYY |
| <b>TIME</b>            | Record creation time                                                         | String | 8      |           |       |                 | 14:32:15                 |
| <b>FEATURE_ID</b>      | Unique project-specific identifier for the feature                           | String | 50     |           |       |                 | A01                      |
| <b>CONTRACTOR_NAME</b> | Name of the contractor responsible for the data exchange                     | String | 100    |           |       |                 | Contractor 1             |
| <b>REVISION</b>        | Numeric revision number for the feature record                               | String | 10     |           |       |                 | 2                        |
| <b>REVISION_DATE</b>   | Date when revision was applied                                               | Date   |        |           |       |                 | 15/06/2026               |
| <b>PCRS_IDENTIFIER</b> | Projected Coordinate Reference System code                                   | String | 50     |           |       |                 | 25831                    |
| <b>VCRS_IDENTIFIER</b> | Vertical Coordinate Reference System code used for elevation or depth values | String | 50     |           |       |                 | 5715                     |
| <b>TYPE</b>            | Specifies the type of HDD point e.g., entry or exit                          | String | 50     |           |       | HDD_TYPE_PT     | HDD entry                |
| <b>DATA_SOURCE</b>     | Origin of the data                                                           | String | 255    |           |       |                 | As-built survey report   |
| <b>EASTING</b>         | Projected X coordinate                                                       | Double |        | 38        | 8     |                 | 654321.235               |
| <b>NORTHING</b>        | Projected Y coordinate                                                       | Double |        | 38        | 8     |                 | 5987654.128              |
| <b>LONGITUDE</b>       | Longitude in decimal degrees                                                 | Double |        | 38        | 8     |                 | 1.234567                 |
| <b>LATITUDE</b>        | Latitude in decimal degrees                                                  | Double |        | 38        | 8     |                 | 54.123456                |
| <b>ELEVATION</b>       | Vertical elevation of the HDD point relative to the defined vertical datum   | Double |        | 38        | 8     |                 | -25.5                    |
| <b>ELEVATION_UNIT</b>  | Unit of measure associated with the elevation value                          | String | 50     |           |       | UNIT_OF_MEASURE | Metre                    |



| Data group                | Data category                            | Codified name | Geometry type |
|---------------------------|------------------------------------------|---------------|---------------|
| Infrastructure Components | Horizontal Directional Drilling Polyline | INF_HDD_pl    | Polyline      |

| Field name         | Description                                                                  | Type   | Length | Precision | Scale | Domain | Example                  |
|--------------------|------------------------------------------------------------------------------|--------|--------|-----------|-------|--------|--------------------------|
| DATE               | Record creation date                                                         | Date   |        |           |       |        | 07/09/2026<br>DD/MM/YYYY |
| TIME               | Record creation time                                                         | String | 8      |           |       |        | 14:32:15                 |
| FEATURE_ID         | Unique project-specific identifier for the feature                           | String | 50     |           |       |        | A01                      |
| CONTRACTOR_NAME    | Name of the contractor responsible for the data exchange                     | String | 100    |           |       |        | Contractor 1             |
| REVISION           | Numeric revision number for the feature record                               | String | 10     |           |       |        | 2                        |
| REVISION_DATE      | Date when revision was applied                                               | Date   |        |           |       |        | 15/06/2026               |
| PCRS_IDENTIFIER    | Projected Coordinate Reference System code                                   | String | 50     |           |       |        | 25831                    |
| VCRS_IDENTIFIER    | Vertical Coordinate Reference System code used for elevation or depth values | String | 50     |           |       |        | 5715                     |
| DATA_SOURCE        | Origin of the data e.g., survey, as-built                                    | String | 255    |           |       |        | As-built survey report   |
| HDD_ENTRY_EASTING  | Easting coordinate of HDD entry point                                        | Double |        | 38        | 8     |        | 654321.235               |
| HDD_ENTRY_NORTHING | Northing coordinate of HDD entry point                                       | Double |        | 38        | 8     |        | 5987654.128              |
| HDD_EXIT_EASTING   | Easting coordinate of HDD exit point                                         | Double |        | 38        | 8     |        | 654400.235               |
| HDD_EXIT_NORTHING  | Northing coordinate of HDD exit point                                        | Double |        | 38        | 8     |        | 5987854.128              |
| DRILL_DIAMETER     | Diameter of the HDD borehole                                                 | Double |        | 38        | 8     |        | 500                      |

|                                     |                                                                       |        |    |    |   |                 |            |
|-------------------------------------|-----------------------------------------------------------------------|--------|----|----|---|-----------------|------------|
| <b>DRILL_DIAMETER_UNIT</b>          | Unit of measurement for drill diameter                                | String | 50 |    |   | UNIT_OF_MEASURE | Millimetre |
| <b>DRILL_TRUE_NORTH_ORIENTATION</b> | Orientation of drill path relative to True North                      | Double |    | 38 | 8 |                 | 6.54       |
| <b>DRILL_GRID_NORTH_ORIENTATION</b> | Orientation of drill path relative to Grid North                      | Double |    | 38 | 8 |                 | 5.21       |
| <b>DRILL_ORIENTATION_UNIT</b>       | Unit of measure for drill orientation                                 | String | 50 |    |   | UNIT_OF_MEASURE | Degree     |
| <b>MAX_DRILL_DEPTH</b>              | Maximum depth of the borehole                                         | Double |    | 38 | 8 |                 | 30         |
| <b>MAX_DRILL_DEPTH_UNIT</b>         | Unit of measurement for maximum depth                                 | String | 50 |    |   | UNIT_OF_MEASURE | Metre      |
| <b>FEATURE_LENGTH_2D</b>            | Horizontal length of the feature in 2D plan view                      | Double |    | 38 | 8 |                 | 1250.5     |
| <b>FEATURE_LENGTH_3D</b>            | True length of the HDD feature accounting for vertical curvature (3D) | Double |    | 38 | 8 |                 | 1252.75    |
| <b>FEATURE_LENGTH_UNIT</b>          | Unit of measure for the feature length                                | String | 50 |    |   | UNIT_OF_MEASURE | Metre      |

| Data group                | Data category                           | Codified name | Geometry type |
|---------------------------|-----------------------------------------|---------------|---------------|
| Infrastructure Components | Horizontal Directional Drilling Polygon | INF_HDD_py    | Polygon       |

| Field name        | Description                                        | Type   | Length | Precision | Scale | Domain | Example                  |
|-------------------|----------------------------------------------------|--------|--------|-----------|-------|--------|--------------------------|
| <b>DATE</b>       | Record creation date                               | Date   |        |           |       |        | 07/09/2026<br>DD/MM/YYYY |
| <b>TIME</b>       | Record creation time                               | String | 8      |           |       |        | 14:32:15                 |
| <b>FEATURE_ID</b> | Unique project-specific identifier for the feature | String | 50     |           |       |        | A01                      |

|                          |                                                                              |        |     |    |   |                 |                        |
|--------------------------|------------------------------------------------------------------------------|--------|-----|----|---|-----------------|------------------------|
| <b>CONTRACTOR_NAME</b>   | Name of the contractor responsible for the data exchange                     | String | 100 |    |   |                 | Contractor 1           |
| <b>REVISION</b>          | Numeric revision number for the feature record                               | String | 10  |    |   |                 | 2                      |
| <b>REVISION_DATE</b>     | Date when revision was applied                                               | Date   |     |    |   |                 | 15/06/2026             |
| <b>PCRS_IDENTIFIER</b>   | Projected Coordinate Reference System code                                   | String | 50  |    |   |                 | 25831                  |
| <b>VCRS_IDENTIFIER</b>   | Vertical Coordinate Reference System code used for elevation or depth values | String | 50  |    |   |                 | 5715                   |
| <b>TYPE</b>              | Specifies the type of HDD area                                               | String | 50  |    |   | HDD_TYPE_PY     | Drill solid area       |
| <b>DATA_SOURCE</b>       | Origin of the data e.g., survey, as-built                                    | String | 255 |    |   |                 | As-built survey report |
| <b>EASTING_CENTROID</b>  | Easting coordinate of centroid                                               | Double |     | 38 | 8 |                 | 654321.235             |
| <b>NORTHING_CENTROID</b> | Northing coordinate of centroid                                              | Double |     | 38 | 8 |                 | 5987654.128            |
| <b>FEATURE_AREA</b>      | Defines the two-dimensional surface area of a feature                        | Double |     | 38 | 8 |                 | 15000.25               |
| <b>FEATURE_AREA_UNIT</b> | Specifies the unit of measurement used to calculate feature area             | String | 50  |    |   | UNIT_OF_MEASURE | Sq Metre               |
| <b>SPOIL_VOLUME</b>      | Volume of spoil material created from drilling activity                      | Double |     | 38 | 8 |                 | 2800                   |
| <b>SPOIL_VOLUME_UNIT</b> | Unit of measurement for spoil volume                                         | String | 50  |    |   | UNIT_OF_MEASURE | Metre Cubed            |

## 3.2. Cable

**Description:** Represents offshore electrical cable infrastructure and associated installation attributes across different construction stages e.g. As Laid, As Trenched, As Built. Note that INF\_CAB\_pl represents the cable route as a continuous line and holds route-level attributes such as cable specification, route type, and system voltage. The separate As-Laid, As-Trenched, and As-Built point layers capture the cable position at successive stages of installation.

**Table 4: Summary of the geospatial layers in the cable data category**

| Geospatial layer        | Description                                                                                                               |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------|
| INF_CAB_pl              | Polyline layer representing the cable route                                                                               |
| INF_CAB_AsLAID_pt       | Point layer capturing the as laid cable position after cable installation                                                 |
| INF_CAB_AsTRENCHED_pt   | Point layer capturing the as trenched cable position after burial/trenching operations                                    |
| INF_CAB_AsBUILT_pt      | Point layer capturing the final as built cable position, including burial verification                                    |
| INF_CAB_FLAG_pt         | Point layer marking positional flags along the cable (e.g. deviations, marker positions)                                  |
| INF_CAB_EVENT_pt        | Point layer marking discrete events along the cable route (e.g. joints, crossings, debris) using standardised event codes |
| INF_CAB_SRYSBP_pt       | Point layer capturing discrete seabed level measurements along the cable route during seabed preparation                  |
| INF_CAB_SRYSBP_pl       | Polyline layer representing linear coverage of seabed preparation surveys                                                 |
| INF_CAB_SRYSBP_EVENT_pt | Point layer marking events identified during seabed preparation surveys along the cable route                             |

### 3.2.1. Cable

| Data group                | Data category | Codified name | Geometry type |
|---------------------------|---------------|---------------|---------------|
| Infrastructure Components | Cable         | INF_CAB_pl    | Polyline      |

| Field name                 | Description                                                                                   | Type   | Length | Precision | Scale | Domain           | Example                  |
|----------------------------|-----------------------------------------------------------------------------------------------|--------|--------|-----------|-------|------------------|--------------------------|
| <b>DATE</b>                | Record creation date                                                                          | Date   |        |           |       |                  | 07/09/2026<br>DD/MM/YYYY |
| <b>TIME</b>                | Record creation time                                                                          | String | 8      |           |       |                  | 14:32:15                 |
| <b>FEATURE_ID</b>          | Unique project-specific identifier for the feature                                            | String | 50     |           |       |                  | A01                      |
| <b>CONTRACTOR_NAME</b>     | Name of the contractor responsible for the data exchange                                      | String | 100    |           |       |                  | Contractor 1             |
| <b>REVISION</b>            | Numeric revision number for the feature record                                                | String | 10     |           |       |                  | 2                        |
| <b>REVISION_DATE</b>       | Date when revision was applied                                                                | Date   |        |           |       |                  | 15/06/2026               |
| <b>PCRS_IDENTIFIER</b>     | Projected Coordinate Reference System code                                                    | String | 50     |           |       |                  | 25831                    |
| <b>VCRS_IDENTIFIER</b>     | Vertical Coordinate Reference System code used for elevation or depth values                  | String | 50     |           |       |                  | 5715                     |
| <b>TEMPORAL_STATUS</b>     | Denotes temporal status of the feature (e.g., As-planned, As-built)                           | String | 50     |           |       | TEMPORALITY      | As Built                 |
| <b>ROUTE_TYPE</b>          | Classification of the cable route (e.g., offshore array cable, export cable, interlink cable) | String | 50     |           |       | CABLE_ROUTE_TYPE | Offshore Array Cable     |
| <b>DATA_SOURCE</b>         | Origin of the data e.g., survey, as-built                                                     | String | 255    |           |       |                  | As-built survey report   |
| <b>FEATURE_LENGTH</b>      | Horizontal length of the feature                                                              | Double |        | 38        | 8     |                  | 25                       |
| <b>FEATURE_LENGTH_UNIT</b> | Unit of measurement for feature length                                                        | String | 50     |           |       | UNIT_OF_MEASURE  | Metre                    |
| <b>FEATURE_LENGTH_3D</b>   | 3D spatial length of the cable feature, incorporating vertical variation along the route      | Double |        | 38        | 8     |                  | 1252.75                  |

|                                   |                                                                                                                       |        |     |    |   |                   |                                  |
|-----------------------------------|-----------------------------------------------------------------------------------------------------------------------|--------|-----|----|---|-------------------|----------------------------------|
| <b>ASSET_FROM</b>                 | Identifier of the originating asset or originating point for the cable                                                | String | 50  |    |   |                   | A01                              |
| <b>ASSET_TO</b>                   | Identifier of the receiving asset or termination point for the cable                                                  | String | 50  |    |   |                   | B01                              |
| <b>LANDFALL_NAME</b>              | Name or identifier of the landfall location where the cable transitions between offshore and onshore                  | String | 100 |    |   |                   | Smith Point                      |
| <b>STRING_ID</b>                  | String number associated with the cable                                                                               | String | 50  |    |   |                   | 1                                |
| <b>VALID_FROM_DATE</b>            | Date from which the cable record is valid                                                                             | Date   |     |    |   |                   | 14/07/2026                       |
| <b>COMPOSITION</b>                | Description of the material composition of the cable                                                                  | String | 50  |    |   | CABLE_COMPOSITION | Copper                           |
| <b>VOLTAGE</b>                    | Nominal operating voltage rating of the cable system                                                                  | String | 50  |    |   |                   | 66                               |
| <b>SYSTEM</b>                     | Transmission system classification (e.g. HVAC, HVDC)                                                                  | String | 50  |    |   | CABLE_SYSTEM      | HVDC                             |
| <b>DESIGNED_DEPTH_BURIAL</b>      | Engineering design target value for cable depth of burial                                                             | Double |     | 38 | 8 |                   | 5                                |
| <b>DESIGNED_DEPTH_BURIAL_UNIT</b> | Unit of measure for the designed burial depth                                                                         | String | 50  |    |   | UNIT_OF_MEASURE   | Metre                            |
| <b>CROSS_SECTIONAL_AREA</b>       | Cross-sectional area of the cable conductor or core, depending on project specification                               | Double |     | 38 | 8 |                   | 200                              |
| <b>CROSS_SECTIONAL_AREA_UNIT</b>  | Unit of measure for the cross-sectional area                                                                          | String | 50  |    |   | UNIT_OF_MEASURE   | Sq Millimetre                    |
| <b>CABLE_DESCRIPTION</b>          | Free text description providing additional detail about the cable, configuration, construction, or installation notes | String | 255 |    |   |                   | 3 core XLPE HVAC submarine cable |

### 3.2.2. Cable As Laid

| Data group                | Data category | Codified name     | Geometry type |
|---------------------------|---------------|-------------------|---------------|
| Infrastructure Components | Cable As Laid | INF_CAB_AsLAID_pt | Point         |

| Field name             | Description                                                                  | Type   | Length | Precision | Scale | Domain | Example                  |
|------------------------|------------------------------------------------------------------------------|--------|--------|-----------|-------|--------|--------------------------|
| <b>DATE</b>            | Record creation date                                                         | Date   |        |           |       |        | 07/09/2026<br>DD/MM/YYYY |
| <b>TIME</b>            | Record creation time                                                         | String | 8      |           |       |        | 14:32:15                 |
| <b>FEATURE_ID</b>      | Unique project-specific identifier for the feature                           | String | 50     |           |       |        | A01                      |
| <b>CONTRACTOR_NAME</b> | Name of the contractor responsible for the data exchange                     | String | 100    |           |       |        | Contractor 1             |
| <b>REVISION</b>        | Numeric revision number for the feature record                               | String | 10     |           |       |        | 2                        |
| <b>REVISION_DATE</b>   | Date when revision was applied                                               | Date   |        |           |       |        | 15/06/2026               |
| <b>PCRS_IDENTIFIER</b> | Projected Coordinate Reference System code                                   | String | 50     |           |       |        | 25831                    |
| <b>VCRS_IDENTIFIER</b> | Vertical Coordinate Reference System code used for elevation or depth values | String | 50     |           |       |        | 5715                     |
| <b>DATA_SOURCE</b>     | Origin of the data e.g., survey, as-built                                    | String | 255    |           |       |        | As-built survey report   |

|                            |                                                                                                            |        |    |    |   |                 |                          |
|----------------------------|------------------------------------------------------------------------------------------------------------|--------|----|----|---|-----------------|--------------------------|
| <b>EASTING</b>             | Projected X coordinate                                                                                     | Double |    | 38 | 8 |                 | 654321.235               |
| <b>NORTHING</b>            | Projected Y coordinate                                                                                     | Double |    | 38 | 8 |                 | 5987654.128              |
| <b>LONGITUDE</b>           | Longitude in decimal degrees                                                                               | Double |    | 38 | 8 |                 | 1.234567                 |
| <b>LATITUDE</b>            | Latitude in decimal degrees                                                                                | Double |    | 38 | 8 |                 | 54.123456                |
| <b>DESIGN_KP</b>           | Design Kilometre Point (KP) along the reference alignment                                                  | Double |    | 38 | 8 |                 | 12.345                   |
| <b>DESIGN_KP_REFERENCE</b> | Description of the reference line or route used for the design Kilometre Point (KP)                        | String | 50 |    |   |                 | Cable route CR01         |
| <b>SBD_ELEVATION</b>       | Seabed elevation at point location                                                                         | Double |    | 38 | 8 |                 | -25                      |
| <b>SBD_ELEVATION_UNIT</b>  | Unit of measurement for seabed level at point                                                              | String | 50 |    |   | UNIT_OF_MEASURE | Metre                    |
| <b>SBD_ELEVATION_TYPE</b>  | Description of seabed level measurement e.g. actual seabed level, design seabed level                      | String | 50 |    |   |                 | Mean Seabed Level (MSBL) |
| <b>DCC</b>                 | Distance cross course, representing the lateral offset perpendicular to the design route alignment         | Double |    | 38 | 8 |                 | 1.25                     |
| <b>DCC_UNIT</b>            | Unit of measure used for DCC                                                                               | String | 50 |    |   | UNIT_OF_MEASURE | Metre                    |
| <b>ASBL</b>                | As-laid seabed level, representing the seabed elevation measured immediately after cable laying activities | Double |    | 38 | 8 |                 | -30.5                    |
| <b>ASBL_UNIT</b>           | Unit of measure for as-laid seabed level                                                                   | String | 50 |    |   | UNIT_OF_MEASURE | Metres                   |

### 3.2.3. Cable As Trenched

| Data group                | Data category     | Codified name         | Geometry type |
|---------------------------|-------------------|-----------------------|---------------|
| Infrastructure Components | Cable As Trenched | INF_CAB_AsTRENCHED_pt | Point         |

| Field name      | Description                                                                  | Type   | Length | Precision | Scale | Domain | Example                  |
|-----------------|------------------------------------------------------------------------------|--------|--------|-----------|-------|--------|--------------------------|
| DATE            | Record creation date                                                         | Date   |        |           |       |        | 07/09/2026<br>DD/MM/YYYY |
| TIME            | Record creation time                                                         | String | 8      |           |       |        | 14:32:15                 |
| FEATURE_ID      | Unique project-specific identifier for the feature                           | String | 50     |           |       |        | A01                      |
| CONTRACTOR_NAME | Name of the contractor responsible for the data exchange                     | String | 100    |           |       |        | Contractor 1             |
| REVISION        | Numeric revision number for the feature record                               | String | 10     |           |       |        | 2                        |
| REVISION_DATE   | Date when revision was applied                                               | Date   |        |           |       |        | 15/06/2026               |
| PCRS_IDENTIFIER | Projected Coordinate Reference System code                                   | String | 50     |           |       |        | 25831                    |
| VCRS_IDENTIFIER | Vertical Coordinate Reference System code used for elevation or depth values | String | 50     |           |       |        | 5715                     |
| DATA_SOURCE     | Origin of the data e.g., survey, as-built                                    | String | 255    |           |       |        | As-built survey report   |
| EASTING         | Projected X coordinate                                                       | Double |        | 38        | 8     |        | 654321.235               |
| NORTHING        | Projected Y coordinate                                                       | Double |        | 38        | 8     |        | 5987654.128              |
| LONGITUDE       | Longitude in decimal degrees                                                 | Double |        | 38        | 8     |        | 1.234567                 |
| LATITUDE        | Latitude in decimal degrees                                                  | Double |        | 38        | 8     |        | 54.123456                |

|                            |                                                                                                                                 |               |     |    |   |                 |                  |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------|---------------|-----|----|---|-----------------|------------------|
| <b>DESIGN_KP</b>           | Design Kilometre Point (KP) along the reference alignment                                                                       | Double        |     | 38 | 8 |                 | 12.345           |
| <b>DESIGN_KP_REFERENCE</b> | Description of the reference line or route used for the design Kilometre Point (KP)                                             | String        | 50  |    |   |                 | Cable route CR01 |
| <b>PASS_NUMBER</b>         | Identifier for the sequential pass carried out along the cable route.                                                           | Short Integer |     | 5  | 0 |                 | 2                |
| <b>TOOL_NAME</b>           | Name of tool used                                                                                                               | String        | 100 |    |   |                 | T1200 Trencher   |
| <b>ADOC</b>                | Actual depth of cover calculated as BFL minus TOC                                                                               | Double        |     | 38 | 8 |                 | 1.8              |
| <b>ADOL</b>                | As built depth of lowering calculated as ASBL minus TOC                                                                         | Double        |     | 38 | 8 |                 | 1.5              |
| <b>CABLE_DIAMETER</b>      | Nominal outer diameter of the installed cable                                                                                   | Double        |     | 38 | 8 |                 | 200              |
| <b>CABLE_DIAMETER_UNIT</b> | Unit of measure for cable diameter                                                                                              | String        | 50  |    |   | UNIT_OF_MEASURE | Millimetre       |
| <b>BFL</b>                 | Backfill level, representing the minimum elevation of the backfill after installation relative to the vertical reference system | Double        |     | 38 | 8 |                 | -30.1            |
| <b>BFL_SOURCE</b>          | Source of information used to determine the backfill level                                                                      | String        | 255 |    |   |                 | A01-B01_BFL.tif  |
| <b>DCC</b>                 | Distance cross course, representing the lateral offset perpendicular to the design route alignment                              | Double        |     | 38 | 8 |                 | 1.25             |
| <b>DCC_UNIT</b>            | Unit of measure used for DCC                                                                                                    | String        | 50  |    |   | UNIT_OF_MEASURE | Metre            |
| <b>DOCR</b>                | Depth of cover requirement, identifying the required value against which ADOC is compared                                       | Double        |     | 38 | 8 |                 | 1.7              |
| <b>DOLR</b>                | Depth of lowering requirement, identifying the required value against which ADOL is compared                                    | Double        |     | 38 | 8 |                 | 1.5              |

|                         |                                                                                                       |        |     |    |   |                 |                             |
|-------------------------|-------------------------------------------------------------------------------------------------------|--------|-----|----|---|-----------------|-----------------------------|
| <b>SBD_LEVEL</b>        | Seabed elevation at the point location.                                                               | Double |     | 38 | 8 |                 | -32                         |
| <b>SBD_LEVEL_UNIT</b>   | Unit of measure used for seabed elevation                                                             | String | 50  |    |   | UNIT_OF_MEASURE | Metre                       |
| <b>SBD_LEVEL_TYPE</b>   | Type of seabed level measurement (e.g. actual, reference)                                             | String | 50  |    |   |                 | Actual seabed level         |
| <b>SBD_LEVEL_SOURCE</b> | Source of the seabed level data.                                                                      | String | 255 |    |   |                 | Multibeam bathymetry survey |
| <b>TOC</b>              | Elevation of the topmost (top of cable) point of the cable relative to the vertical reference system. | Double |     | 38 | 8 |                 | -31.8                       |
| <b>TOC_SOURCE</b>       | Source of data used to determine the top of cable                                                     | String | 255 |    |   |                 | A01-B01_TOC.tif             |
| <b>TOC_CONFIDENCE</b>   | Confidence level associated with the TOC measurement or derivation                                    | String | 50  |    |   |                 | High                        |
| <b>TOC_UNIT</b>         | Unit of measure used for TOC values                                                                   | String | 50  |    |   | UNIT_OF_MEASURE | Metre                       |

### 3.2.4. Cable As Built

| Data group                | Data category  | Codified name      | Geometry type |
|---------------------------|----------------|--------------------|---------------|
| Infrastructure Components | Cable As Built | INF_CAB_AsBUILT_pt | Point         |

| Field name  | Description          | Type   | Length | Precision | Scale | Domain | Example                  |
|-------------|----------------------|--------|--------|-----------|-------|--------|--------------------------|
| <b>DATE</b> | Record creation date | Date   |        |           |       |        | 07/09/2026<br>DD/MM/YYYY |
| <b>TIME</b> | Record creation time | String | 8      |           |       |        | 14:32:15                 |

|                             |                                                                                       |               |     |    |   |  |                             |
|-----------------------------|---------------------------------------------------------------------------------------|---------------|-----|----|---|--|-----------------------------|
| <b>FEATURE_ID</b>           | Unique project-specific identifier for the feature                                    | String        | 50  |    |   |  | A01                         |
| <b>CONTRACTOR_NAME</b>      | Name of the contractor responsible for the data exchange                              | String        | 100 |    |   |  | Contractor 1                |
| <b>REVISION</b>             | Numeric revision number for the feature record                                        | String        | 10  |    |   |  | 2                           |
| <b>REVISION_DATE</b>        | Date when revision was applied                                                        | Date          |     |    |   |  | 15/06/2026                  |
| <b>PCRS_IDENTIFIER</b>      | Projected Coordinate Reference System code                                            | String        | 50  |    |   |  | 25831                       |
| <b>VCRS_IDENTIFIER</b>      | Vertical Coordinate Reference System code used for elevation or depth values          | String        | 50  |    |   |  | 5715                        |
| <b>DATA_SOURCE</b>          | Origin of the data e.g. survey, as-built                                              | String        | 255 |    |   |  | As-built survey report      |
| <b>EASTING</b>              | Projected X coordinate                                                                | Double        |     | 38 | 8 |  | 654321.235                  |
| <b>NORTHING</b>             | Projected Y coordinate                                                                | Double        |     | 38 | 8 |  | 5987654.128                 |
| <b>LONGITUDE</b>            | Longitude in decimal degrees                                                          | Double        |     | 38 | 8 |  | 1.234567                    |
| <b>LATITUDE</b>             | Latitude in decimal degrees                                                           | Double        |     | 38 | 8 |  | 54.123456                   |
| <b>ASBUILT_KP</b>           | As-built kilometre point along the cable route                                        | Double        |     | 38 | 8 |  | 12.345                      |
| <b>ASBUILT_KP_REFERENCE</b> | Description of the reference line or route used for the as-built Kilometre Point (KP) | String        | 50  |    |   |  | Cable route CR01 centreline |
| <b>DESIGN_KP</b>            | Design Kilometre Point (KP) along the reference alignment                             | Double        |     | 38 | 8 |  | 12.345                      |
| <b>DESIGN_KP_REFERENCE</b>  | Description of the reference line or route used for the design Kilometre Point (KP)   | String        | 50  |    |   |  | Cable route CR01            |
| <b>PASS_NUMBER</b>          | Identifier for the sequential pass carried out along the cable route.                 | Short Integer |     | 5  | 0 |  | 2                           |
| <b>TOOL_NAME</b>            | Name of tool used                                                                     | String        | 100 |    |   |  | Trencher                    |

|                            |                                                                                                                                 |        |     |    |   |                 |                             |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------|--------|-----|----|---|-----------------|-----------------------------|
| <b>ADOC</b>                | Actual depth of cover calculated as BFL minus TOC                                                                               | Double |     | 38 | 8 |                 | 1.8                         |
| <b>ADOL</b>                | As built depth of lowering calculated as ASBL minus TOC                                                                         | Double |     | 38 | 8 |                 | 1.5                         |
| <b>CABLE_DIAMETER</b>      | Nominal diameter of the installed cable                                                                                         | Double |     | 38 | 8 |                 | 200                         |
| <b>CABLE_DIAMETER_UNIT</b> | Unit of measure for cable diameter                                                                                              | String | 50  |    |   | UNIT_OF_MEASURE | Millimetre                  |
| <b>BFL</b>                 | Backfill level, representing the minimum elevation of the backfill after installation relative to the vertical reference system | Double |     | 38 | 8 |                 | -30.1                       |
| <b>BFL_SOURCE</b>          | Source of information used to determine the backfill level                                                                      | String | 255 |    |   |                 | A01-B01_BFL.tif             |
| <b>DCC</b>                 | Distance cross course, representing the lateral offset perpendicular to the design route alignment                              | Double |     | 38 | 8 |                 | 1.25                        |
| <b>DCC_UNIT</b>            | Unit of measure used for DCC                                                                                                    | String | 50  |    |   | UNIT_OF_MEASURE | Metre                       |
| <b>DOCR</b>                | Depth of cover requirement, identifying the required value against which ADOC is compared                                       | Double |     | 38 | 8 |                 | 1.7                         |
| <b>DOLR</b>                | Depth of lowering requirement, identifying the required value against which ADOL is compared                                    | Double |     | 38 | 8 |                 | 1.5                         |
| <b>SBD_LEVEL</b>           | Seabed elevation at the point location.                                                                                         | Double |     | 38 | 8 |                 | -32                         |
| <b>SBD_LEVEL_UNIT</b>      | Unit of measure used for seabed elevation                                                                                       | String | 50  |    |   | UNIT_OF_MEASURE | Metre                       |
| <b>SBD_LEVEL_TYPE</b>      | Type of seabed level measurement (e.g. actual, reference)                                                                       | String | 50  |    |   |                 | Actual seabed level         |
| <b>SBD_LEVEL_SOURCE</b>    | Source of the seabed level data.                                                                                                | String | 255 |    |   |                 | Multibeam bathymetry survey |

|                              |                                                                                                                          |        |     |    |   |                 |                 |
|------------------------------|--------------------------------------------------------------------------------------------------------------------------|--------|-----|----|---|-----------------|-----------------|
| <b>TOC</b>                   | Elevation of the topmost (top of cable) point of the cable relative to the vertical reference system.                    | Double |     | 38 | 8 |                 | -31.8           |
| <b>TOC_SOURCE</b>            | Source of data used to determine the top of cable                                                                        | String | 255 |    |   |                 | A01-B01_TOC.tif |
| <b>TOC_CONFIDENCE</b>        | Confidence level associated with the TOC measurement or derivation                                                       | String | 50  |    |   |                 | High            |
| <b>TOC_UNIT</b>              | Unit of measure used for TOC values                                                                                      | String | 50  |    |   | UNIT_OF_MEASURE | Metre           |
| <b>CABLE_TRACKING_VRT</b>    | Vertical range from cable tracking sensor to cable.                                                                      | Double |     | 38 | 8 |                 | 0.7             |
| <b>CABLE_TRACKING_UNIT</b>   | Unit of measure for cable tracking vertical reference values.                                                            | String | 50  |    |   | UNIT_OF_MEASURE | Metres          |
| <b>ROV_ALTITUDE_CRP</b>      | Altitude of the Remotely Operated Vehicle above the cable reference point (CRP) during inspection or tracking operations | Double |     | 38 | 8 |                 | 1.5             |
| <b>ROV_ALTITUDE_CRP_UNIT</b> | Unit of measure for ROV altitude above the cable reference point (CRP)                                                   | String | 50  |    |   | UNIT_OF_MEASURE | Metre           |

### 3.2.5. Flag

**Description:** Records positional markers and deviations along cable routes, capturing the flag type (e.g. marker, deviation).

| Data group                | Data category | Codified name   | Geometry type |
|---------------------------|---------------|-----------------|---------------|
| Infrastructure Components | Cable Flag    | INF_CAB_FLAG_pt | Point         |

| Field name | Description | Type | Length | Precision | Scale | Domain | Example |
|------------|-------------|------|--------|-----------|-------|--------|---------|
|------------|-------------|------|--------|-----------|-------|--------|---------|

|                         |                                                                                       |        |     |    |   |             |                          |
|-------------------------|---------------------------------------------------------------------------------------|--------|-----|----|---|-------------|--------------------------|
| <b>DATE</b>             | Record creation date                                                                  | Date   |     |    |   |             | 07/09/2026<br>DD/MM/YYYY |
| <b>TIME</b>             | Record creation time                                                                  | String | 8   |    |   |             | 14:32:15                 |
| <b>FEATURE_ID</b>       | Unique project-specific identifier for the feature                                    | String | 50  |    |   |             | A01                      |
| <b>CONTRACTOR_NAME</b>  | Name of the contractor responsible for the data exchange                              | String | 100 |    |   |             | Contractor 1             |
| <b>REVISION</b>         | Numeric revision number for the feature record                                        | String | 10  |    |   |             | 2                        |
| <b>REVISION_DATE</b>    | Date when revision was applied                                                        | Date   |     |    |   |             | 15/06/2026               |
| <b>PCRS_IDENTIFIER</b>  | Projected Coordinate Reference System code                                            | String | 50  |    |   |             | 25831                    |
| <b>VCRS_IDENTIFIER</b>  | Vertical Coordinate Reference System code used for elevation or depth values          | String | 50  |    |   |             | 5715                     |
| <b>TEMPORAL_STATUS</b>  | Denotes temporal status of the feature (e.g. As-planned, As-built)                    | String | 50  |    |   | TEMPORALITY | As Built                 |
| <b>FLAG_TYPE</b>        | Denotes purpose of flag (e.g. Marker, Deviation, Other)                               | String | 50  |    |   | FLAG_TYPE   | Deviation                |
| <b>DATA_SOURCE</b>      | Origin of the data e.g. survey, as-built                                              | String | 255 |    |   |             | As-built survey report   |
| <b>EASTING</b>          | Projected X coordinate                                                                | Double |     | 38 | 8 |             | 654321.235               |
| <b>NORTHING</b>         | Projected Y coordinate                                                                | Double |     | 38 | 8 |             | 5987654.128              |
| <b>LONGITUDE</b>        | Longitude in decimal degrees                                                          | Double |     | 38 | 8 |             | 1.234567                 |
| <b>LATITUDE</b>         | Latitude in decimal degrees                                                           | Double |     | 38 | 8 |             | 54.123456                |
| <b>ASB_KP</b>           | As-built Kilometre Point (KP) along the cable route                                   | Double |     | 38 | 8 |             | 12.345                   |
| <b>ASB_KP_REFERENCE</b> | Description of the reference line or route used for the as-built Kilometre Point (KP) | String | 50  |    |   |             | Cable route CR01         |

|                            |                                                                                     |        |    |    |   |                 |                  |
|----------------------------|-------------------------------------------------------------------------------------|--------|----|----|---|-----------------|------------------|
| <b>DESIGN_KP</b>           | Design Kilometre Point (KP) along the reference alignment                           | Double |    | 38 | 8 |                 | 12.345           |
| <b>DESIGN_KP_REFERENCE</b> | Description of the reference line or route used for the design Kilometre Point (KP) | String | 50 |    |   |                 | Cable route CR01 |
| <b>FLAG_SIDE</b>           | Indicates the side of the cable centreline on which the flag is located.            | String | 5  |    |   | LEFT_RIGHT      | Left             |
| <b>FLAG_DISTANCE</b>       | Lateral distance of the flag from the cable centreline                              | Double |    | 38 | 8 |                 | 1.2              |
| <b>FLAG_DISTANCE_UNIT</b>  | Unit of measure used to express flag distance                                       | String | 50 |    |   | UNIT_OF_MEASURE | Metre            |

### 3.2.6. Event

**Description:** Records discrete events occurring during cable installation using standardised event codes.

| Data group                | Data category | Codified name    | Geometry type |
|---------------------------|---------------|------------------|---------------|
| Infrastructure Components | Cable Event   | INF_CAB_EVENT_pt | Point         |

| Field name      | Description                                                                  | Type   | Length | Precision | Scale | Domain      | Example                  |
|-----------------|------------------------------------------------------------------------------|--------|--------|-----------|-------|-------------|--------------------------|
| DATE            | Record creation date                                                         | Date   |        |           |       |             | 07/09/2026<br>DD/MM/YYYY |
| TIME            | Record creation time                                                         | String | 8      |           |       |             | 14:32:15                 |
| FEATURE_ID      | Unique project-specific identifier for the feature                           | String | 50     |           |       |             | A01                      |
| CONTRACTOR_NAME | Name of the contractor responsible for the data exchange                     | String | 100    |           |       |             | Contractor 1             |
| REVISION        | Numeric revision number for the feature record                               | String | 10     |           |       |             | 2                        |
| REVISION_DATE   | Date when revision was applied                                               | Date   |        |           |       |             | 15/06/2026               |
| PCRS_IDENTIFIER | Projected Coordinate Reference System code                                   | String | 50     |           |       |             | 25831                    |
| VCRS_IDENTIFIER | Vertical Coordinate Reference System code used for elevation or depth values | String | 50     |           |       |             | 5715                     |
| LISTING_TYPE    | Records listing type for the event referencing temporality                   | String | 50     |           |       | TEMPORALITY | As Built                 |
| EVENT_NAME      | Name or label of the event recorded                                          | String | 10     |           |       | EVENT_NAME  | BU-E                     |
| DATA_SOURCE     | Origin of the data e.g. survey, as-built                                     | String | 255    |           |       |             | As-built survey report   |
| EASTING         | Projected X coordinate                                                       | Double |        | 38        | 8     |             | 654321.235               |

|                             |                                                                                                                                  |        |     |    |   |                 |                             |
|-----------------------------|----------------------------------------------------------------------------------------------------------------------------------|--------|-----|----|---|-----------------|-----------------------------|
| <b>NORTHING</b>             | Projected Y coordinate                                                                                                           | Double |     | 38 | 8 |                 | 5987654.128                 |
| <b>LONGITUDE</b>            | Longitude in decimal degrees                                                                                                     | Double |     | 38 | 8 |                 | 1.234567                    |
| <b>LATITUDE</b>             | Latitude in decimal degrees                                                                                                      | Double |     | 38 | 8 |                 | 54.123456                   |
| <b>KP</b>                   | Kilometre point along the cable route where the event occurred                                                                   | Double |     | 38 | 8 |                 | 12.345                      |
| <b>KP_REFERENCE</b>         | Identifier for the line or route that the Kilometre Point (KP) is referenced to (e.g. cable ID, route ID, trench line reference) | String | 50  |    |   |                 | Cable Route v1              |
| <b>SBD_ELEVATION</b>        | Seabed elevation at the cable event location                                                                                     | Double |     | 38 | 8 |                 | -25                         |
| <b>SBD_ELEVATION_UNIT</b>   | Unit of measurement for seabed elevation at the cable event location                                                             | String | 50  |    |   | UNIT_OF_MEASURE | Metre                       |
| <b>SBD_ELEVATION_SOURCE</b> | Source of seabed elevation measurement                                                                                           | String | 255 |    |   |                 | Multibeam bathymetry survey |
| <b>DCC</b>                  | Distance cross course denoting lateral offset (distance) perpendicular to the design route alignment                             | Double |     | 38 | 8 |                 | 1.25                        |
| <b>DCC_UNIT</b>             | Unit of measurement for DCC                                                                                                      | String | 50  |    |   | UNIT_OF_MEASURE | Metre                       |
| <b>EVENT_LENGTH</b>         | Horizontal length of the feature                                                                                                 | Double |     | 38 | 8 |                 | 2                           |
| <b>EVENT_WIDTH</b>          | Horizontal width of the feature                                                                                                  | Double |     | 38 | 8 |                 | 180                         |
| <b>EVENT_ELEVATION</b>      | Vertical elevation of the feature                                                                                                | Double |     | 38 | 8 |                 | -31.5                       |
| <b>EVENT_ELEVATION_UNIT</b> | Unit of measurement for event vertical elevation                                                                                 | String | 50  |    |   | UNIT_OF_MEASURE | Metre                       |

### 3.2.7. Survey Seabed Preparation

**Description:** Captures survey observations along cable routes before and after seabed preparation works, recording survey type and seabed level measurements.

| Data group                | Data category                   | Codified name     | Geometry type |
|---------------------------|---------------------------------|-------------------|---------------|
| Infrastructure Components | Cable Survey Seabed Preparation | INF_CAB_SRYSBP_pt | Point         |

| Field name      | Description                                                                  | Type   | Length | Precision | Scale | Domain      | Example                  |
|-----------------|------------------------------------------------------------------------------|--------|--------|-----------|-------|-------------|--------------------------|
| DATE            | Record creation date                                                         | Date   |        |           |       |             | 07/09/2026<br>DD/MM/YYYY |
| TIME            | Record creation time                                                         | String | 8      |           |       |             | 14:32:15                 |
| FEATURE_ID      | Unique project-specific identifier for the feature                           | String | 50     |           |       |             | A01                      |
| CONTRACTOR_NAME | Name of the contractor responsible for the data exchange                     | String | 100    |           |       |             | Contractor 1             |
| REVISION        | Numeric revision number for the feature record                               | String | 10     |           |       |             | 2                        |
| REVISION_DATE   | Date when revision was applied                                               | Date   |        |           |       |             | 15/06/2026               |
| PCRS_IDENTIFIER | Projected Coordinate Reference System code                                   | String | 50     |           |       |             | 25831                    |
| VCRS_IDENTIFIER | Vertical Coordinate Reference System code used for elevation or depth values | String | 50     |           |       |             | 5715                     |
| DATA_SOURCE     | Origin of the data e.g. survey, as-built                                     | String | 255    |           |       |             | As-built survey report   |
| TYPE            | Indicates the type of seabed preparation survey, e.g. pre-lay survey         | String | 50     |           |       | SURVEY_TYPE | Pre-lay survey           |
| EASTING         | Projected X coordinate                                                       | Double |        | 38        | 8     |             | 654321.235               |
| NORTHING        | Projected Y coordinate                                                       | Double |        | 38        | 8     |             | 5987654.128              |
| LONGITUDE       | Longitude in decimal degrees                                                 | Double |        | 38        | 8     |             | 1.234567                 |

|                            |                                                                                     |        |     |    |   |                 |                   |
|----------------------------|-------------------------------------------------------------------------------------|--------|-----|----|---|-----------------|-------------------|
| <b>LATITUDE</b>            | Latitude in decimal degrees                                                         | Double |     | 38 | 8 |                 | 54.123456         |
| <b>DESIGN_KP</b>           | Design Kilometre Point (KP) along the reference alignment                           | Double |     | 38 | 8 |                 | 12.345            |
| <b>DESIGN_KP_REFERENCE</b> | Description of the reference line or route used for the design Kilometre Point (KP) | String | 50  |    |   |                 | Cable route CR01  |
| <b>POSBL</b>               | Post seabed level, seabed level post preparation or activity                        | Double |     | 38 | 8 |                 | 51                |
| <b>POSBL_UNIT</b>          | Unit of measurement for POSBL seabed level at point                                 | String | 50  |    |   | UNIT_OF_MEASURE | Metre             |
| <b>POSBL_SOURCE</b>        | Source of POSBL seabed level measurement                                            | String | 255 |    |   |                 | A01-B01_POSBL.tif |
| <b>PSBL</b>                | Pre seabed level, seabed level pre preparation or activity                          | Double |     | 38 | 8 |                 | 50                |
| <b>PSBL_UNIT</b>           | Unit of measurement for PSBL seabed level at point                                  | String | 50  |    |   | UNIT_OF_MEASURE | Metre             |
| <b>PSBL_SOURCE</b>         | Source of PSBL seabed level measurement                                             | String | 255 |    |   |                 | A01-B01_PSBL.tif  |

| Data group                | Data category                   | Codified name     | Geometry type |
|---------------------------|---------------------------------|-------------------|---------------|
| Infrastructure Components | Cable Survey Seabed Preparation | INF_CAB_SRYSBP_pl | Polyline      |

| Field name          | Description                                                                  | Type   | Length | Precision | Scale | Domain          | Example                        |
|---------------------|------------------------------------------------------------------------------|--------|--------|-----------|-------|-----------------|--------------------------------|
| DATE                | Record creation date                                                         | Date   |        |           |       |                 | 07/09/2026<br>DD/MM/YYYY       |
| TIME                | Record creation time                                                         | String | 8      |           |       |                 | 14:32:15                       |
| FEATURE_ID          | Unique project-specific identifier for the feature                           | String | 50     |           |       |                 | A01                            |
| CONTRACTOR_NAME     | Name of the contractor responsible for the data exchange                     | String | 100    |           |       |                 | Contractor 1                   |
| REVISION            | Numeric revision number for the feature record                               | String | 10     |           |       |                 | 2                              |
| REVISION_DATE       | Date when revision was applied                                               | Date   |        |           |       |                 | 15/06/2026                     |
| PCRS_IDENTIFIER     | Projected Coordinate Reference System code                                   | String | 50     |           |       |                 | 25831                          |
| VCRS_IDENTIFIER     | Vertical Coordinate Reference System code used for elevation or depth values | String | 50     |           |       |                 | 5715                           |
| TYPE                | Indicates the type of seabed preparation survey, e.g. pre-lay survey         | String | 50     |           |       | SURVEY_TYPE     | Post Seabed Preparation Survey |
| DATA_SOURCE         | Origin of the data e.g. survey, as-built                                     | String | 255    |           |       |                 | As-built survey report         |
| FEATURE_LENGTH      | Horizontal length of the feature                                             | Double |        | 38        | 8     |                 | 25                             |
| FEATURE_LENGTH_UNIT | Unit of measurement for feature length                                       | String | 50     |           |       | UNIT_OF_MEASURE | Metre                          |

### 3.2.8. Survey Seabed Prep Event

**Description:** Records discrete events identified during seabed preparation surveys along cable routes.

| Data group                | Data category                         | Codified name           | Geometry type |
|---------------------------|---------------------------------------|-------------------------|---------------|
| Infrastructure Components | Cable Survey Seabed Preparation Event | INF_CAB_SRYSBP_EVENT_pt | Point         |

| Field name      | Description                                                                  | Type   | Length | Precision | Scale | Domain      | Example                        |
|-----------------|------------------------------------------------------------------------------|--------|--------|-----------|-------|-------------|--------------------------------|
| DATE            | Record creation date                                                         | Date   |        |           |       |             | 07/09/2026<br>DD/MM/YYYY       |
| TIME            | Record creation time                                                         | String | 8      |           |       |             | 14:32:15                       |
| FEATURE_ID      | Unique project-specific identifier for the feature                           | String | 50     |           |       |             | A01                            |
| CONTRACTOR_NAME | Name of the contractor responsible for the data exchange                     | String | 100    |           |       |             | Contractor 1                   |
| REVISION        | Numeric revision number for the feature record                               | String | 10     |           |       |             | 2                              |
| REVISION_DATE   | Date when revision was applied                                               | Date   |        |           |       |             | 15/06/2026                     |
| PCRS_IDENTIFIER | Projected Coordinate Reference System code                                   | String | 50     |           |       |             | 25831                          |
| VCRS_IDENTIFIER | Vertical Coordinate Reference System code used for elevation or depth values | String | 50     |           |       |             | 5715                           |
| TYPE            | Indicates the type of seabed preparation survey, e.g. pre-lay survey         | String | 50     |           |       | SURVEY_TYPE | Post Seabed Preparation Survey |
| DATA_SOURCE     | Origin of the data e.g., survey, as-built                                    | String | 255    |           |       |             | As-built survey report         |
| LISTING_TYPE    | Records listing type for the event referencing temporality                   | String | 50     |           |       | TEMPORALITY | As Built                       |

|                                 |                                                                                                      |        |    |    |   |                        |                  |
|---------------------------------|------------------------------------------------------------------------------------------------------|--------|----|----|---|------------------------|------------------|
| <b>EVENT_NAME</b>               | Name or label of the event recorded                                                                  | String | 10 |    |   | <b>EVENT_NAME</b>      | DH               |
| <b>EASTING</b>                  | Projected X coordinate                                                                               | Double |    | 38 | 8 |                        | 654321.235       |
| <b>NORTHING</b>                 | Projected Y coordinate                                                                               | Double |    | 38 | 8 |                        | 5987654.128      |
| <b>LONGITUDE</b>                | Longitude in decimal degrees                                                                         | Double |    | 38 | 8 |                        | 1.234567         |
| <b>LATITUDE</b>                 | Latitude in decimal degrees                                                                          | Double |    | 38 | 8 |                        | 54.123456        |
| <b>DESIGN_KP</b>                | Design Kilometre Point (KP) along the reference alignment                                            | Double |    | 38 | 8 |                        | 12.345           |
| <b>DESIGN_KP_REFERENCE</b>      | Description of the reference line or route used for the design Kilometre Point (KP)                  | String | 50 |    |   |                        | Cable route CR01 |
| <b>DCC</b>                      | Distance cross course denoting lateral offset (distance) perpendicular to the design route alignment | Double |    | 38 | 8 |                        | 1.25             |
| <b>DCC_UNIT</b>                 | Unit of measurement for DCC                                                                          | String | 50 |    |   | <b>UNIT_OF_MEASURE</b> | Metre            |
| <b>FEATURE_LENGTH</b>           | Horizontal length of the feature                                                                     | Double |    | 38 | 8 |                        | 25               |
| <b>FEATURE_WIDTH</b>            | Horizontal width of the feature                                                                      | Double |    | 38 | 8 |                        | 1.6              |
| <b>FEATURE_HEIGHT</b>           | Vertical height of the feature                                                                       | Double |    | 38 | 8 |                        | 80               |
| <b>FEATURE_MEASUREMENT_UNIT</b> | Unit of measurement for feature dimensions (length, width, height)                                   | String | 50 |    |   | <b>UNIT_OF_MEASURE</b> | Metre            |
| <b>ELEVATION</b>                | Vertical elevation of the feature                                                                    | Double |    | 38 | 8 |                        | -31.5            |
| <b>ELEVATION_UNIT</b>           | Unit of measurement for elevation                                                                    | String | 50 |    |   | <b>UNIT_OF_MEASURE</b> | Metre            |

### 3.3. Wind Turbine Generator

**Description:** Records the installed location and key attributes of offshore wind turbine generators within the wind farm.

**Table 5: Summary of the geospatial layers in the wind turbine generator data category**

| Geospatial layer | Description                                                                                    |
|------------------|------------------------------------------------------------------------------------------------|
| INF_WTG_pt       | Point layer capturing the installed location and key attributes of each wind turbine generator |

### 3.3.1. Wind Turbine Generator

| Data group                | Data category          | Codified name | Geometry type |
|---------------------------|------------------------|---------------|---------------|
| Infrastructure Components | Wind Turbine Generator | INF_WTG_pt    | Point         |

| Field name      | Description                                                                  | Type   | Length | Precision | Scale | Domain | Example                  |
|-----------------|------------------------------------------------------------------------------|--------|--------|-----------|-------|--------|--------------------------|
| DATE            | Record creation date                                                         | Date   |        |           |       |        | 07/09/2026<br>DD/MM/YYYY |
| TIME            | Record creation time                                                         | String | 8      |           |       |        | 14:32:15                 |
| FEATURE_ID      | Unique project-specific identifier for the feature                           | String | 50     |           |       |        | A01                      |
| CONTRACTOR_NAME | Name of the contractor responsible for the data exchange                     | String | 100    |           |       |        | Contractor 1             |
| REVISION        | Numeric revision number for the feature record                               | String | 10     |           |       |        | 2                        |
| REVISION_DATE   | Date when revision was applied                                               | Date   |        |           |       |        | 15/06/2026               |
| PCRS_IDENTIFIER | Projected Coordinate Reference System code                                   | String | 50     |           |       |        | 25831                    |
| VCRS_IDENTIFIER | Vertical Coordinate Reference System code used for elevation or depth values | String | 50     |           |       |        | 5715                     |

|                            |                                                                            |        |     |    |   |                 |                        |
|----------------------------|----------------------------------------------------------------------------|--------|-----|----|---|-----------------|------------------------|
| <b>DATA_SOURCE</b>         | Origin of the data e.g., survey, as-built                                  | String | 255 |    |   |                 | As-built survey report |
| <b>TEMPORAL_STATUS</b>     | Denotes temporal status of the feature (e.g., As-planned, As-built)        | String | 50  |    |   | TEMPORALITY     | As-built               |
| <b>EASTING</b>             | Projected X coordinate                                                     | Double |     | 38 | 8 |                 | 654321.235             |
| <b>NORTHING</b>            | Projected Y coordinate                                                     | Double |     | 38 | 8 |                 | 5987654.128            |
| <b>LONGITUDE</b>           | Longitude in decimal degrees                                               | Double |     | 38 | 8 |                 | 1.234567               |
| <b>LATITUDE</b>            | Latitude in decimal degrees                                                | Double |     | 38 | 8 |                 | 54.123456              |
| <b>HUB_HEIGHT</b>          | Vertical distance from the reference to the centre of the wind turbine hub | Double |     | 38 | 8 |                 | 120                    |
| <b>HUB_HEIGHT_UNIT</b>     | Unit of measure for hub height                                             | String | 50  |    |   | UNIT_OF_MEASURE | Metre                  |
| <b>RATED_CAPACITY</b>      | Rated power output (MW)                                                    | Double |     | 38 | 8 |                 | 15                     |
| <b>ROTOR_DIAMETER</b>      | Diameter swept by the wind turbine rotor blades                            | Double |     | 38 | 8 |                 | 236                    |
| <b>ROTOR_DIAMETER_UNIT</b> | Unit of measure for rotor diameter                                         | String | 50  |    |   | UNIT_OF_MEASURE | Metre                  |
| <b>COMMISSIONING_DATE</b>  | Date the wind turbine generator was commissioned into service              | Date   |     |    |   |                 | 15/10/2027             |
| <b>MANUFACTURER</b>        | Name of the wind turbine generator manufacturer                            | String | 100 |    |   |                 | Siemens Gamesa         |
| <b>MODEL_NUMBER</b>        | Manufacturer's model designation for the turbine                           | String | 100 |    |   |                 | SG 15-236              |
| <b>WTG_NAME</b>            | Project specific name assigned to the wind turbine generator               | String | 100 |    |   |                 | WTG_A01                |

### 3.4. Topside

**Description:** Captures the spatial position and characteristics of offshore topside components.

**Table 6: Summary of the geospatial layers in the topside data category**

| Geospatial layer | Description                                                                                            |
|------------------|--------------------------------------------------------------------------------------------------------|
| INF_TOP_pt       | Point layer capturing the overall topside location                                                     |
| INF_TOP_pl       | Polyline layer for linear features on or associated with the topside (e.g. boat landings, crane rails) |
| INF_TOP_py       | Polygon layer representing the topside footprint or platform outline                                   |

#### 3.4.1. Topside

| Data group                | Data category | Codified name | Geometry type |
|---------------------------|---------------|---------------|---------------|
| Infrastructure Components | Topside       | INF_TOP_pt    | Point         |

| Field name      | Description                                              | Type   | Length | Precision | Scale | Domain | Example                  |
|-----------------|----------------------------------------------------------|--------|--------|-----------|-------|--------|--------------------------|
| DATE            | Record creation date                                     | Date   |        |           |       |        | 07/09/2026<br>DD/MM/YYYY |
| TIME            | Record creation time                                     | String | 8      |           |       |        | 14:32:15                 |
| FEATURE_ID      | Unique project-specific identifier for the feature       | String | 50     |           |       |        | A01                      |
| CONTRACTOR_NAME | Name of the contractor responsible for the data exchange | String | 100    |           |       |        | Contractor 1             |
| REVISION        | Numeric revision number for the feature record           | String | 10     |           |       |        | 2                        |
| REVISION_DATE   | Date when revision was applied                           | Date   |        |           |       |        | 15/06/2026               |

|                            |                                                                              |        |     |    |   |              |                               |
|----------------------------|------------------------------------------------------------------------------|--------|-----|----|---|--------------|-------------------------------|
| <b>PCRS_IDENTIFIER</b>     | Projected Coordinate Reference System code                                   | String | 50  |    |   |              | 25831                         |
| <b>VCRS_IDENTIFIER</b>     | Vertical Coordinate Reference System code used for elevation or depth values | String | 50  |    |   |              | 5715                          |
| <b>DATA_SOURCE</b>         | Origin of the data e.g., survey, as-built                                    | String | 255 |    |   |              | As-built survey report        |
| <b>TYPE</b>                | Classification of the topside component e.g. accommodation platform          | String | 50  |    |   | TOPSIDE_TYPE | Offshore Substation Topside   |
| <b>TEMPORAL_STATUS</b>     | Denotes temporal status of the feature (e.g. As-planned, As-built)           | String | 50  |    |   | TEMPORALITY  | As-built                      |
| <b>EASTING</b>             | Projected X coordinate                                                       | Double |     | 38 | 8 |              | 654321.235                    |
| <b>NORTHING</b>            | Projected Y coordinate                                                       | Double |     | 38 | 8 |              | 5987654.128                   |
| <b>LONGITUDE</b>           | Longitude in decimal degrees                                                 | Double |     | 38 | 8 |              | 1.234567                      |
| <b>LATITUDE</b>            | Latitude in decimal degrees                                                  | Double |     | 38 | 8 |              | 54.123456                     |
| <b>NAV_AID_PRESENT</b>     | Indicates whether a navigational aid is present on the structure             | String | 10  |    |   | YES_NO       | Yes                           |
| <b>NAV_AID_DESCRIPTION</b> | Description of the navigational aid installed on the structure               | String | 255 |    |   |              | Marine lantern with reflector |

| Data group                | Data category | Codified name | Geometry type |
|---------------------------|---------------|---------------|---------------|
| Infrastructure Components | Topside       | INF_TOP_pl    | Polyline      |

| Field name      | Description                                                                                          | Type   | Length | Precision | Scale | Domain                 | Example                        |
|-----------------|------------------------------------------------------------------------------------------------------|--------|--------|-----------|-------|------------------------|--------------------------------|
| DATE            | Record creation date                                                                                 | Date   |        |           |       |                        | 07/09/2026<br>DD/MM/YYYY       |
| TIME            | Record creation time                                                                                 | String | 8      |           |       |                        | 14:32:15                       |
| FEATURE_ID      | Unique project-specific identifier for the feature                                                   | String | 50     |           |       |                        | A01                            |
| CONTRACTOR_NAME | Name of the contractor responsible for the data exchange                                             | String | 100    |           |       |                        | Contractor 1                   |
| REVISION        | Numeric revision number for the feature record                                                       | String | 10     |           |       |                        | 2                              |
| REVISION_DATE   | Date when revision was applied                                                                       | Date   |        |           |       |                        | 15/06/2026                     |
| PCRS_IDENTIFIER | Projected Coordinate Reference System code                                                           | String | 50     |           |       |                        | 25831                          |
| VCRS_IDENTIFIER | Vertical Coordinate Reference System code used for elevation or depth values                         | String | 50     |           |       |                        | 5715                           |
| DATA_SOURCE     | Origin of the data e.g., survey, as-built                                                            | String | 255    |           |       |                        | As-built survey report         |
| TYPE            | Classification of the topside structure e.g. accommodation platform                                  | String | 50     |           |       | TOPSIDE_TYPE           | Offshore Substation<br>Topside |
| LINE_TYPE       | Identifies specific structural or functional components of the topside e.g. boat landing, crane rail | String | 50     |           |       | TOPSIDE_COMPONENT_TYPE | Boat Landing                   |
| TEMPORAL_STATUS | Denotes temporal status of the feature (e.g. As-planned, As-built)                                   | String | 50     |           |       | TEMPORALITY            | As-built                       |

|                            |                                               |               |           |           |          |                        |              |
|----------------------------|-----------------------------------------------|---------------|-----------|-----------|----------|------------------------|--------------|
| <b>FEATURE_LENGTH</b>      | <b>Horizontal length of the feature</b>       | <b>Double</b> |           | <b>38</b> | <b>8</b> |                        | <b>25</b>    |
| <b>FEATURE_LENGTH_UNIT</b> | <b>Unit of measure for the feature length</b> | <b>String</b> | <b>50</b> |           |          | <b>UNIT_OF_MEASURE</b> | <b>Metre</b> |

| <b>Data group</b>         | <b>Data category</b> | <b>Codified name</b> | <b>Geometry type</b> |
|---------------------------|----------------------|----------------------|----------------------|
| Infrastructure Components | Topside              | INF_TOP_py           | Polygon              |

| <b>Field name</b>      | <b>Description</b>                                                           | <b>Type</b> | <b>Length</b> | <b>Precision</b> | <b>Scale</b> | <b>Domain</b> | <b>Example</b>              |
|------------------------|------------------------------------------------------------------------------|-------------|---------------|------------------|--------------|---------------|-----------------------------|
| <b>DATE</b>            | Record creation date                                                         | Date        |               |                  |              |               | 07/09/2026<br>DD/MM/YYYY    |
| <b>TIME</b>            | Record creation time                                                         | String      | 8             |                  |              |               | 14:32:15                    |
| <b>FEATURE_ID</b>      | Unique project-specific identifier for the feature                           | String      | 50            |                  |              |               | A01                         |
| <b>CONTRACTOR_NAME</b> | Name of the contractor responsible for the data exchange                     | String      | 100           |                  |              |               | Contractor 1                |
| <b>REVISION</b>        | Numeric revision number for the feature record                               | String      | 10            |                  |              |               | 2                           |
| <b>REVISION_DATE</b>   | Date when revision was applied                                               | Date        |               |                  |              |               | 15/06/2026                  |
| <b>PCRS_IDENTIFIER</b> | Projected Coordinate Reference System code                                   | String      | 50            |                  |              |               | 25831                       |
| <b>VCRS_IDENTIFIER</b> | Vertical Coordinate Reference System code used for elevation or depth values | String      | 50            |                  |              |               | 5715                        |
| <b>DATA_SOURCE</b>     | Origin of the data e.g., survey, as-built                                    | String      | 255           |                  |              |               | As-built survey report      |
| <b>TYPE</b>            | Classification of the topside structure e.g. accommodation platform          | String      | 50            |                  |              | TOPSIDE_TYPE  | Offshore Substation Topside |

|                          |                                                                     |        |    |    |   |                 |          |
|--------------------------|---------------------------------------------------------------------|--------|----|----|---|-----------------|----------|
| <b>TEMPORAL_STATUS</b>   | Denotes temporal status of the feature (e.g., As-planned, As-built) | String | 50 |    |   | TEMPORALITY     | As-built |
| <b>FEATURE_AREA</b>      | Area of the topside activity                                        | Double |    | 38 | 8 |                 | 15000.25 |
| <b>FEATURE_AREA_UNIT</b> | Unit of measurement for topside activity area                       | String | 50 |    |   | UNIT_OF_MEASURE | Sq Metre |

### 3.5. Foundation

**Description:** Represents the position, geometry, and key attributes of installed foundation structures, including their orientation and installation parameters.

**Table 7: Summary of the geospatial layers in the foundation data category**

| Geospatial layer | Description                                                                                                                        |
|------------------|------------------------------------------------------------------------------------------------------------------------------------|
| INF_FOU_pt       | Point layer capturing the installed centre point of each foundation (used for orientation, penetration and inclination attributes) |
| INF_FOU_pl       | Polyline layer for linear features associated with the foundation (e.g. boat landings, ladders)                                    |
| INF_FOU_py       | Polygon layer representing the foundation footprint or associated structural elements                                              |

#### 3.5.1. Foundation

| Data group                | Data category | Codified name | Geometry type |
|---------------------------|---------------|---------------|---------------|
| Infrastructure Components | Foundation    | INF_FOU_pt    | Point         |

| Field name      | Description                                              | Type   | Length | Precision | Scale | Domain | Example                  |
|-----------------|----------------------------------------------------------|--------|--------|-----------|-------|--------|--------------------------|
| DATE            | Record creation date                                     | Date   |        |           |       |        | 07/09/2026<br>DD/MM/YYYY |
| TIME            | Record creation time                                     | String | 8      |           |       |        | 14:32:15                 |
| FEATURE_ID      | Unique project-specific identifier for the feature       | String | 50     |           |       |        | A01                      |
| CONTRACTOR_NAME | Name of the contractor responsible for the data exchange | String | 100    |           |       |        | Contractor 1             |
| REVISION        | Numeric revision number for the feature record           | String | 10     |           |       |        | 2                        |
| REVISION_DATE   | Date when revision was applied                           | Date   |        |           |       |        | 15/06/2026               |

|                        |                                                                                                                                       |        |     |    |   |                 |                        |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------|--------|-----|----|---|-----------------|------------------------|
| <b>PCRS_IDENTIFIER</b> | Projected Coordinate Reference System code                                                                                            | String | 50  |    |   |                 | 25831                  |
| <b>VCRS_IDENTIFIER</b> | Vertical Coordinate Reference System code used for elevation or depth values                                                          | String | 50  |    |   |                 | 5715                   |
| <b>TEMPORAL_STATUS</b> | Denotes temporal status of the feature (e.g., As-planned, As-built)                                                                   | String | 50  |    |   | TEMPORALITY     | As Built               |
| <b>TYPE</b>            | Defines the complete foundation system or structure                                                                                   | String | 50  |    |   | FOU_TYPE        | Monopile with TP       |
| <b>COMPONENT</b>       | Identifies specific structural or functional elements that form part of, or are mounted onto, the foundation structure.               | String | 50  |    |   | FOU_COMPONENT   | Flange                 |
| <b>VESSEL_NAME</b>     | Name of the vessel involved in installation or survey activities related to this feature                                              | String | 100 |    |   |                 | Vessel 1               |
| <b>FOUNDATION_ID</b>   | Unique identifier for the foundation to which this feature belongs. Used to link foundation components (e.g. legs, platform outlines) | String | 50  |    |   |                 | A01                    |
| <b>DATA_SOURCE</b>     | Origin of the data e.g. survey, as-built                                                                                              | String | 255 |    |   |                 | As-built survey report |
| <b>EASTING</b>         | Projected X coordinate                                                                                                                | Double |     | 38 | 8 |                 | 654321.235             |
| <b>NORTHING</b>        | Projected Y coordinate                                                                                                                | Double |     | 38 | 8 |                 | 5987654.128            |
| <b>EASTING_DELTA</b>   | Difference between X values for temporal status                                                                                       | Double |     | 38 | 8 |                 | 0.6                    |
| <b>NORTHING_DELTA</b>  | Difference between Y values for temporal status                                                                                       | Double |     | 38 | 8 |                 | 0.3                    |
| <b>XY_DELTA_UNIT</b>   | Unit of measurement for the delta value                                                                                               | String | 50  |    |   | UNIT_OF_MEASURE | Metres                 |
| <b>LONGITUDE</b>       | Longitude in decimal degrees                                                                                                          | Double |     | 38 | 8 |                 | 1.234567               |
| <b>LATITUDE</b>        | Latitude in decimal degrees                                                                                                           | Double |     | 38 | 8 |                 | 54.123456              |

|                               |                                                                      |        |     |    |   |                 |                             |
|-------------------------------|----------------------------------------------------------------------|--------|-----|----|---|-----------------|-----------------------------|
| <b>SBD_ELEVATION</b>          | Seabed elevation at point location                                   | Double |     | 38 | 8 |                 | -25                         |
| <b>SBD_ELEVATION_UNIT</b>     | Unit of measurement for seabed level at point                        | String | 50  |    |   | UNIT_OF_MEASURE | Metre                       |
| <b>SBD_ELEVATION_SOURCE</b>   | Source of seabed elevation measurement                               | String | 255 |    |   |                 | Multibeam bathymetry survey |
| <b>PENETRATION_DEPTH</b>      | Depth of foundation penetration below seabed                         | Double |     | 38 | 8 |                 | 40                          |
| <b>PENETRATION_DEPTH_UNIT</b> | Unit of measurement for penetration depth                            | String | 50  |    |   | UNIT_OF_MEASURE | Metre                       |
| <b>INCLINATION</b>            | Measured inclination of the foundation structure                     | Double |     | 38 | 8 |                 | 0.11                        |
| <b>INCLINATION_UNIT</b>       | Unit of measurement for inclination                                  | String | 50  |    |   | UNIT_OF_MEASURE | Degree                      |
| <b>INCLINATION_HEADING</b>    | Direction corresponding to inclination measurement                   | Double |     | 38 | 8 |                 | 71                          |
| <b>INCLINATION_DELTA</b>      | Difference between inclination values for temporal status            | Double |     | 38 | 8 |                 | 1.2                         |
| <b>ELEVATION</b>              | Vertical elevation of the feature                                    | Double |     | 38 | 8 |                 | -25.5                       |
| <b>ELEVATION_UNIT</b>         | Unit of measurement for elevation                                    | String | 50  |    |   | UNIT_OF_MEASURE | Metre                       |
| <b>ELEVATION_DELTA</b>        | Difference between elevation values across temporal status snapshots | Double |     | 38 | 8 |                 | 2.4                         |
| <b>GRID_NORTH_ORIENTATION</b> | Orientation of foundation relative to grid north                     | Double |     | 38 | 8 |                 | 2.27                        |
| <b>TRUE_NORTH_ORIENTATION</b> | Orientation relative to true north                                   | Double |     | 38 | 8 |                 | 0.8                         |
| <b>ORIENTATION_UNIT</b>       | Unit of measurement for orientation                                  | String | 50  |    |   | UNIT_OF_MEASURE | Degree                      |
| <b>ORIENTATION_DELTA</b>      | Difference between orientation values for temporal status            | Double |     | 38 | 8 |                 | 1.3                         |
| <b>NAV_AID_PRESENT</b>        | Indicates whether a navigational aid is present on the structure     | String | 10  |    |   | YES_NO          | Yes                         |

|                            |                                                                |        |     |  |  |  |                               |
|----------------------------|----------------------------------------------------------------|--------|-----|--|--|--|-------------------------------|
| <b>NAV_AID_DESCRIPTION</b> | Description of the navigational aid installed on the structure | String | 255 |  |  |  | Marine lantern with reflector |
|----------------------------|----------------------------------------------------------------|--------|-----|--|--|--|-------------------------------|

| Data group                | Data category | Codified name | Geometry type |
|---------------------------|---------------|---------------|---------------|
| Infrastructure Components | Foundation    | INF_FOU_pl    | Polyline      |

| Field name             | Description                                                                  | Type   | Length | Precision | Scale | Domain      | Example                  |
|------------------------|------------------------------------------------------------------------------|--------|--------|-----------|-------|-------------|--------------------------|
| <b>DATE</b>            | Record creation date                                                         | Date   |        |           |       |             | 07/09/2026<br>DD/MM/YYYY |
| <b>TIME</b>            | Record creation time                                                         | String | 8      |           |       |             | 14:32:15                 |
| <b>FEATURE_ID</b>      | Unique project-specific identifier for the feature                           | String | 50     |           |       |             | A01                      |
| <b>CONTRACTOR_NAME</b> | Name of the contractor responsible for the data exchange                     | String | 100    |           |       |             | Contractor 1             |
| <b>REVISION</b>        | Numeric revision number for the feature record                               | String | 10     |           |       |             | 2                        |
| <b>REVISION_DATE</b>   | Date when revision was applied                                               | Date   |        |           |       |             | 15/06/2026               |
| <b>PCRS_IDENTIFIER</b> | Projected Coordinate Reference System code                                   | String | 50     |           |       |             | 25831                    |
| <b>VCRS_IDENTIFIER</b> | Vertical Coordinate Reference System code used for elevation or depth values | String | 50     |           |       |             | 5715                     |
| <b>TEMPORAL_STATUS</b> | Denotes temporal status of the feature (e.g., As-planned, As-built)          | String | 50     |           |       | TEMPORALITY | As Built                 |
| <b>TYPE</b>            | Defines the complete foundation system or structure                          | String | 50     |           |       | FOU_TYPE    | Monopile with TP         |

|                            |                                                                                                                                       |        |     |    |   |                 |                        |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------|--------|-----|----|---|-----------------|------------------------|
| <b>COMPONENT</b>           | Identifies specific structural or functional elements that form part of, or are mounted onto, the foundation structure                | String | 50  |    |   | FOU_COMPONENT   | Flange                 |
| <b>FOUNDATION_ID</b>       | Unique identifier for the foundation to which this feature belongs. Used to link foundation components (e.g. legs, platform outlines) | String | 50  |    |   |                 | A01                    |
| <b>DATA_SOURCE</b>         | Origin of the data e.g., survey, as-built                                                                                             | String | 255 |    |   |                 | As-built survey report |
| <b>FEATURE_LENGTH</b>      | Horizontal length of the feature                                                                                                      | Double |     | 38 | 8 |                 | 25                     |
| <b>FEATURE_LENGTH_UNIT</b> | Unit of measure for the feature length                                                                                                | String | 50  |    |   | UNIT_OF_MEASURE | Metre                  |

| Data group                | Data category | Codified name | Geometry type |
|---------------------------|---------------|---------------|---------------|
| Infrastructure Components | Foundation    | INF_FOU_py    | Polygon       |

| Field name             | Description                                              | Type   | Length | Precision | Scale | Domain | Example                  |
|------------------------|----------------------------------------------------------|--------|--------|-----------|-------|--------|--------------------------|
| <b>DATE</b>            | Record creation date                                     | Date   |        |           |       |        | 07/09/2026<br>DD/MM/YYYY |
| <b>TIME</b>            | Record creation time                                     | String | 8      |           |       |        | 14:32:15                 |
| <b>FEATURE_ID</b>      | Unique project-specific identifier for the feature       | String | 50     |           |       |        | A01                      |
| <b>CONTRACTOR_NAME</b> | Name of the contractor responsible for the data exchange | String | 100    |           |       |        | Contractor 1             |
| <b>REVISION</b>        | Numeric revision number for the feature record           | String | 10     |           |       |        | 2                        |
| <b>REVISION_DATE</b>   | Date when revision was applied                           | Date   |        |           |       |        | 15/06/2026               |

|                          |                                                                                                                                       |        |     |    |   |                 |                        |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------|--------|-----|----|---|-----------------|------------------------|
| <b>PCRS_IDENTIFIER</b>   | Projected Coordinate Reference System code                                                                                            | String | 50  |    |   |                 | 25831                  |
| <b>VCRS_IDENTIFIER</b>   | Vertical Coordinate Reference System code used for elevation or depth values                                                          | String | 50  |    |   |                 | 5715                   |
| <b>TEMPORAL_STATUS</b>   | Denotes temporal status of the feature (e.g., As-planned, As-built)                                                                   | String | 50  |    |   | TEMPORALITY     | As Built               |
| <b>TYPE</b>              | Defines the complete foundation system or structure                                                                                   | String | 50  |    |   | FOU_TYPE        | Monopile with TP       |
| <b>COMPONENT</b>         | Identifies specific structural or functional elements that form part of, or are mounted onto, the foundation structure.               | String | 50  |    |   | FOU_COMPONENT   | Flange                 |
| <b>FOUNDATION_ID</b>     | Unique identifier for the foundation to which this feature belongs. Used to link foundation components (e.g. legs, platform outlines) | String | 50  |    |   |                 | A01                    |
| <b>DATA_SOURCE</b>       | Origin of the data e.g., survey, as-built                                                                                             | String | 255 |    |   |                 | As-built survey report |
| <b>EASTING_CENTROID</b>  | Easting coordinate of centroid                                                                                                        | Double |     | 38 | 8 |                 | 654321.235             |
| <b>NORTHING_CENTROID</b> | Northing coordinate of centroid                                                                                                       | Double |     | 38 | 8 |                 | 5987654.128            |
| <b>FEATURE_AREA</b>      | Defines the two-dimensional surface area of a feature                                                                                 | Double |     | 38 | 8 |                 | 15000.25               |
| <b>FEATURE_AREA_UNIT</b> | Specifies the unit of measurement used to calculate feature area                                                                      | String | 50  |    |   | UNIT_OF_MEASURE | Sq Metre               |

### 3.6. Asset Protection

**Description:** Captures installed protection measures applied to infrastructure, such as rock dumping or other protective interventions.

**Table 8: Summary of the geospatial layers in the asset protection data category**

| Geospatial layer | Description                                                                                                                         |
|------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| INF_ASSETPRO_py  | Polygon layer representing the spatial extent of asset protection features (e.g. rock berms, concrete mattresses, scour protection) |

#### 3.6.1. Asset Protection

| Data group                | Data category    | Codified name   | Geometry type |
|---------------------------|------------------|-----------------|---------------|
| Infrastructure Components | Asset Protection | INF_ASSETPRO_py | Polygon       |

| Field name      | Description                                              | Type   | Length | Precision | Scale | Domain | Example                  |
|-----------------|----------------------------------------------------------|--------|--------|-----------|-------|--------|--------------------------|
| DATE            | Record creation date                                     | Date   |        |           |       |        | 07/09/2026<br>DD/MM/YYYY |
| TIME            | Record creation time                                     | String | 8      |           |       |        | 14:32:15                 |
| FEATURE_ID      | Unique project-specific identifier for the feature       | String | 50     |           |       |        | A01                      |
| CONTRACTOR_NAME | Name of the contractor responsible for the data exchange | String | 100    |           |       |        | Contractor 1             |
| REVISION        | Numeric revision number for the feature record           | String | 10     |           |       |        | 2                        |
| REVISION_DATE   | Date when revision was applied                           | Date   |        |           |       |        | 15/06/2026               |
| PCRS_IDENTIFIER | Projected Coordinate Reference System code               | String | 50     |           |       |        | 25831                    |

|                                       |                                                                                                                   |        |     |    |   |                             |                                          |
|---------------------------------------|-------------------------------------------------------------------------------------------------------------------|--------|-----|----|---|-----------------------------|------------------------------------------|
| <b>VCRS_IDENTIFIER</b>                | Vertical Coordinate Reference System code used for elevation or depth values                                      | String | 50  |    |   |                             | 5715                                     |
| <b>DATA_SOURCE</b>                    | Origin of the data e.g., survey, as-built                                                                         | String | 255 |    |   |                             | As-built survey report                   |
| <b>TYPE</b>                           | Defines the asset protection system                                                                               | String | 50  |    |   | ASSETPRO_TYPE               | Armour Layer                             |
| <b>TYPE_DESCRIPTION</b>               | Additional free text description providing further detail on the type or to describe Other selection in TYPE      | String | 255 |    |   |                             | Armour layer around array cable          |
| <b>MATERIAL_DESCRIPTION</b>           | Additional description providing further detail on the material composition of the asset protection system        | String | 255 |    |   |                             | Rock                                     |
| <b>ASSOCIATED_ELEMENT</b>             | Classification of the infrastructure element associated with the asset protection system (e.g. cable, foundation) | String | 50  |    |   | ASSETPRO_ASSOCIATED_ELEMENT | Array Cable                              |
| <b>ASSOCIATED_ELEMENT_DESCRIPTION</b> | Additional free text description providing further detail on the associated infrastructure element                | String | 255 |    |   |                             | Array cable AC01 export circuit crossing |
| <b>FEATURE_AREA</b>                   | Defines the two-dimensional surface area of a feature                                                             | Double |     | 38 | 8 |                             | 15000.25                                 |
| <b>FEATURE_AREA_UNIT</b>              | Specifies the unit of measurement used to calculate feature area                                                  | String | 50  |    |   | UNIT_OF_MEASURE             | Sq Metre                                 |
| <b>FEATURE_WEIGHT</b>                 | Total weight of the asset protection material or system                                                           | Double |     | 38 | 8 |                             | 1500                                     |
| <b>FEATURE_WEIGHT_UNIT</b>            | Unit of measure associated with the feature weight                                                                | String | 50  |    |   | UNIT_OF_MEASURE             | Metric Ton                               |
| <b>BULK_DENSITY_VALUE</b>             | Bulk density of the asset protection material                                                                     | Double |     | 38 | 8 |                             | 250                                      |
| <b>RADIUS</b>                         | Radius of the asset protection footprint or coverage area                                                         | Double |     | 38 | 8 |                             | 10                                       |

|                         |                                                                                                      |        |    |    |   |                 |             |
|-------------------------|------------------------------------------------------------------------------------------------------|--------|----|----|---|-----------------|-------------|
| <b>KP_START</b>         | Kilometre Point (KP) representing the start position of the asset protection along a reference route | Double |    | 38 | 8 |                 | 12.345      |
| <b>KP_END</b>           | Kilometre Point (KP) representing the end position of the asset protection along a reference route   | Double |    | 38 | 8 |                 | 12.5        |
| <b>VOLUME_TONNAGE</b>   | Total volume or tonnage of material used in the asset protection system                              | Double |    | 38 | 8 |                 | 500         |
| <b>VOLUME_DIFF_PLOT</b> | Difference between planned and actual volumes of asset protection material applied                   | Double |    | 38 | 8 |                 | 435         |
| <b>VOLUME_UNIT</b>      | Unit of measure associated with the asset protection volume or tonnage                               | String | 50 |    |   | UNIT_OF_MEASURE | Metre Cubed |

## 4. Vessels

This data group captures data related to vessels involved in construction phase activities. This includes data category vessels.

### 4.1. Vessels

**Description:** Vessels involved in construction phase activities.

**Table 9: Summary of the geospatial layers in the vessels data category**

| Geospatial layer | Description                                                                                                                                  |
|------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| VSL_CAB_pt       | Point layer capturing discrete cable vessel positions with associated cable installation parameters (tension, cable speed, departure angles) |
| VSL_CAB_pl       | Polyline layer representing the cable installation vessels path                                                                              |
| VSL_SRYTRK_pt    | Point layer capturing survey vessel positions at discrete time intervals                                                                     |
| VSL_SRYTRK_pl    | Polyline layer representing the continuous track of a survey vessel                                                                          |
| VSL_JACK_pt      | Point layer capturing the location of jack up vessel legs at each installation position                                                      |
| VSL_JACK_py      | Polygon layer representing the seabed footprint of the jack up vessel legs                                                                   |

#### 4.1.1. Cable Vessel

**Description:** Records the position and activity of vessels involved in cable installation operations.

| Data group | Data category | Codified name | Geometry type |
|------------|---------------|---------------|---------------|
| Vessels    | Cable Vessel  | VSL_CAB_pt    | Point         |

| Field name             | Description                                                                  | Type   | Length | Precision | Scale | Domain | Example                  |
|------------------------|------------------------------------------------------------------------------|--------|--------|-----------|-------|--------|--------------------------|
| <b>DATE</b>            | Record creation date                                                         | Date   |        |           |       |        | 07/09/2026<br>DD/MM/YYYY |
| <b>TIME</b>            | Record creation time                                                         | String | 8      |           |       |        | 14:32:15                 |
| <b>FEATURE_ID</b>      | Unique project-specific identifier for the feature                           | String | 50     |           |       |        | A01                      |
| <b>CONTRACTOR_NAME</b> | Name of the contractor responsible for the data exchange                     | String | 100    |           |       |        | Contractor 1             |
| <b>REVISION</b>        | Numeric revision number for the feature record                               | String | 10     |           |       |        | 2                        |
| <b>REVISION_DATE</b>   | Date when revision was applied                                               | Date   |        |           |       |        | 15/06/2026               |
| <b>PCRS_IDENTIFIER</b> | Projected Coordinate Reference System code                                   | String | 50     |           |       |        | 25831                    |
| <b>VCRS_IDENTIFIER</b> | Vertical Coordinate Reference System code used for elevation or depth values | String | 50     |           |       |        | 5715                     |
| <b>DATA_SOURCE</b>     | Origin of the data e.g., survey, as-built                                    | String | 255    |           |       |        | As-built survey report   |
| <b>EASTING</b>         | Projected X coordinate                                                       | Double |        | 38        | 8     |        | 654321.235               |
| <b>NORTHING</b>        | Projected Y coordinate                                                       | Double |        | 38        | 8     |        | 5987654.128              |
| <b>LONGITUDE</b>       | Longitude in decimal degrees                                                 | Double |        | 38        | 8     |        | 1.234567                 |
| <b>LATITUDE</b>        | Latitude in decimal degrees                                                  | Double |        | 38        | 8     |        | 54.123456                |

|                                  |                                                                                                    |               |     |    |   |                 |                  |
|----------------------------------|----------------------------------------------------------------------------------------------------|---------------|-----|----|---|-----------------|------------------|
| <b>DESIGN_KP</b>                 | Design Kilometre Point (KP) along the reference alignment                                          | Double        |     | 38 | 8 |                 | 12.345           |
| <b>DESIGN_KP_REFERENCE</b>       | Description of the reference line or route used for the design Kilometre Point (KP)                | String        | 50  |    |   |                 | Cable route CR01 |
| <b>CABLE_COUNT</b>               | Number of cables being handled, deployed, or monitored at the time of the record                   | Short Integer |     | 5  | 0 |                 | 5                |
| <b>CABLE_SPEED</b>               | Speed at which the cable was paid out during installation along the recorded segment               | Double        |     | 38 | 8 |                 | 100              |
| <b>DCC</b>                       | Distance cross course, representing the lateral offset perpendicular to the design route alignment | Double        |     | 38 | 8 |                 | 1.25             |
| <b>DCC_UNIT</b>                  | Unit of measure used for DCC                                                                       | String        | 50  |    |   | UNIT_OF_MEASURE | Metre            |
| <b>DEPARTURE_ANGLE_H</b>         | Horizontal departure angle of the cable as it leaves the vessel or deployment equipment            | Double        |     | 38 | 8 |                 | -101             |
| <b>DEPARTURE_ANGLE_V</b>         | Vertical departure angle of the cable relative to the horizontal plane at point of deployment      | Double        |     | 38 | 8 |                 | -29.5            |
| <b>DEPARTURE_ANGLE_UNIT</b>      | Unit of measurement for cable vessel departure angle                                               | String        | 50  |    |   | UNIT_OF_MEASURE | Degree           |
| <b>TENSION</b>                   | Measured or reported tensile load applied during cable installation                                | Double        |     | 38 | 8 |                 | 8.5              |
| <b>TENSION_UNIT</b>              | Unit of measurement for tension                                                                    | String        | 50  |    |   | UNIT_OF_MEASURE | Metric Ton       |
| <b>VESSEL_HEADING_GRIDN ORTH</b> | Vessel heading relative to Grid North at the time of cable installation                            | Double        |     | 38 | 8 |                 | 161              |
| <b>VESSEL_SPEED</b>              | Vessel speed over ground during recording                                                          | Double        |     | 38 | 8 |                 | 10               |
| <b>VESSEL_NAME</b>               | Name of the vessel conducting the cable installation or related operations                         | String        | 100 |    |   |                 | Vessel 1         |

|                          |                                                                                  |        |    |  |  |  |             |
|--------------------------|----------------------------------------------------------------------------------|--------|----|--|--|--|-------------|
| <b>VESSEL_IMO_NUMBER</b> | IMO (International Maritime Organization) number uniquely identifying the vessel | String | 50 |  |  |  | IMO 8814275 |
|--------------------------|----------------------------------------------------------------------------------|--------|----|--|--|--|-------------|

| Data group | Data category | Codified name | Geometry type |
|------------|---------------|---------------|---------------|
| Vessels    | Cable Vessel  | VSL_CAB_pl    | Polyline      |

| Field name                 | Description                                                                  | Type   | Length | Precision | Scale | Domain          | Example                  |
|----------------------------|------------------------------------------------------------------------------|--------|--------|-----------|-------|-----------------|--------------------------|
| <b>DATE</b>                | Record creation date                                                         | Date   |        |           |       |                 | 07/09/2026<br>DD/MM/YYYY |
| <b>TIME</b>                | Record creation time                                                         | String | 8      |           |       |                 | 14:32:15                 |
| <b>FEATURE_ID</b>          | Unique project-specific identifier for the feature                           | String | 50     |           |       |                 | A01                      |
| <b>CONTRACTOR_NAME</b>     | Name of the contractor responsible for the data exchange                     | String | 100    |           |       |                 | Contractor 1             |
| <b>REVISION</b>            | Numeric revision number for the feature record                               | String | 10     |           |       |                 | 2                        |
| <b>REVISION_DATE</b>       | Date when revision was applied                                               | Date   |        |           |       |                 | 15/06/2026               |
| <b>PCRS_IDENTIFIER</b>     | Projected Coordinate Reference System code                                   | String | 50     |           |       |                 | 25831                    |
| <b>VCRS_IDENTIFIER</b>     | Vertical Coordinate Reference System code used for elevation or depth values | String | 50     |           |       |                 | 5715                     |
| <b>DATA_SOURCE</b>         | Origin of the data e.g., survey, as-built                                    | String | 255    |           |       |                 | As-built survey report   |
| <b>FEATURE_LENGTH</b>      | Horizontal length of the feature                                             | Double |        | 38        | 8     |                 | 25                       |
| <b>FEATURE_LENGTH_UNIT</b> | Unit of measure for the feature length                                       | String | 50     |           |       | UNIT_OF_MEASURE | Metre                    |

#### 4.1.2. Survey Vessel Track

**Description:** Captures vessel movement and track data associated with survey and monitoring activities.

| Data group | Data category       | Codified name | Geometry type |
|------------|---------------------|---------------|---------------|
| Vessels    | Vessel Survey Track | VSL_SRYTRK_pt | Point         |

| Field name      | Description                                                                  | Type   | Length | Precision | Scale | Domain | Example                  |
|-----------------|------------------------------------------------------------------------------|--------|--------|-----------|-------|--------|--------------------------|
| DATE            | Record creation date                                                         | Date   |        |           |       |        | 07/09/2026<br>DD/MM/YYYY |
| TIME            | Record creation time                                                         | String | 8      |           |       |        | 14:32:15                 |
| FEATURE_ID      | Unique project-specific identifier for the feature                           | String | 50     |           |       |        | A01                      |
| CONTRACTOR_NAME | Name of the contractor responsible for the data exchange                     | String | 100    |           |       |        | Contractor 1             |
| REVISION        | Numeric revision number for the feature record                               | String | 10     |           |       |        | 2                        |
| REVISION_DATE   | Date when revision was applied                                               | Date   |        |           |       |        | 15/06/2026               |
| PCRS_IDENTIFIER | Projected Coordinate Reference System code                                   | String | 50     |           |       |        | 25831                    |
| VCRS_IDENTIFIER | Vertical Coordinate Reference System code used for elevation or depth values | String | 50     |           |       |        | 5715                     |
| TASK            | Identifier or description of the survey task or activity                     | String | 50     |           |       |        | Geographical survey      |

|                                  |                                                             |        |     |    |   |  |                        |
|----------------------------------|-------------------------------------------------------------|--------|-----|----|---|--|------------------------|
| <b>DATA_SOURCE</b>               | Origin of the data e.g., survey, as-built                   | String | 255 |    |   |  | As-built survey report |
| <b>VESSEL_NAME</b>               | Name of the vessel conducting the survey                    | String | 100 |    |   |  | Vessel 1               |
| <b>VESSEL_DRAUGHT</b>            | Vessel draught at the time of survey                        | Double |     | 38 | 8 |  | 6.5                    |
| <b>VESSEL_HEADING_GRIDN ORTH</b> | Vessel heading relative to Grid North at the time of survey | Double |     | 38 | 8 |  | 161                    |
| <b>EASTING</b>                   | Projected X coordinate                                      | Double |     | 38 | 8 |  | 654321.235             |
| <b>NORTHING</b>                  | Projected Y coordinate                                      | Double |     | 38 | 8 |  | 5987654.128            |
| <b>LONGITUDE</b>                 | Longitude in decimal degrees                                | Double |     | 38 | 8 |  | 1.234567               |
| <b>LATITUDE</b>                  | Latitude in decimal degrees                                 | Double |     | 38 | 8 |  | 54.123456              |

| Data group | Data category       | Codified name | Geometry type |
|------------|---------------------|---------------|---------------|
| Vessels    | Vessel Survey Track | VSL_SRYTRK_pl | Polyline      |

| Field name             | Description                                              | Type   | Length | Precision | Scale | Domain | Example                  |
|------------------------|----------------------------------------------------------|--------|--------|-----------|-------|--------|--------------------------|
| <b>DATE</b>            | Record creation date                                     | Date   |        |           |       |        | 07/09/2026<br>DD/MM/YYYY |
| <b>TIME</b>            | Record creation time                                     | String | 8      |           |       |        | 14:32:15                 |
| <b>FEATURE_ID</b>      | Unique project-specific identifier for the feature       | String | 50     |           |       |        | A01                      |
| <b>CONTRACTOR_NAME</b> | Name of the contractor responsible for the data exchange | String | 100    |           |       |        | Contractor 1             |
| <b>REVISION</b>        | Numeric revision number for the feature record           | String | 10     |           |       |        | 2                        |
| <b>REVISION_DATE</b>   | Date when revision was applied                           | Date   |        |           |       |        | 15/06/2026               |

|                                 |                                                                              |        |     |    |   |  |                        |
|---------------------------------|------------------------------------------------------------------------------|--------|-----|----|---|--|------------------------|
| <b>PCRS_IDENTIFIER</b>          | Projected Coordinate Reference System code                                   | String | 50  |    |   |  | 25831                  |
| <b>VCRS_IDENTIFIER</b>          | Vertical Coordinate Reference System code used for elevation or depth values | String | 50  |    |   |  | 5715                   |
| <b>TASK</b>                     | Identifier or description of the survey task or activity                     | String | 50  |    |   |  | Geographical survey    |
| <b>DATA_SOURCE</b>              | Origin of the data e.g., survey, as-built                                    | String | 255 |    |   |  | As-built survey report |
| <b>VESSEL_NAME</b>              | Name of the vessel conducting the survey                                     | String | 100 |    |   |  | Vessel 1               |
| <b>VESSEL_DRAUGHT</b>           | Vessel draught at the time of survey                                         | Double |     | 38 | 8 |  | 6.5                    |
| <b>VESSEL_HEADING_GRIDNORTH</b> | Vessel heading relative to Grid North at the time of survey                  | Double |     | 38 | 8 |  | 161                    |

### 4.1.3. Jack Up

**Description:** Represents the location and operational footprint of jack up vessels used during construction activities.

| Data group | Data category  | Codified name | Geometry type |
|------------|----------------|---------------|---------------|
| Vessels    | Jack Up Vessel | VSL_JACK_pt   | Point         |

| Field name       | Description                                                                    | Type   | Length | Precision | Scale | Domain      | Example                             |
|------------------|--------------------------------------------------------------------------------|--------|--------|-----------|-------|-------------|-------------------------------------|
| DATE             | Record creation date                                                           | Date   |        |           |       |             | 07/09/2026<br>DD/MM/YYYY            |
| TIME             | Record creation time                                                           | String | 8      |           |       |             | 14:32:15                            |
| FEATURE_ID       | Unique project-specific identifier for the feature                             | String | 50     |           |       |             | A01                                 |
| CONTRACTOR_NAME  | Name of the contractor responsible for the data exchange                       | String | 100    |           |       |             | Contractor 1                        |
| REVISION         | Numeric revision number for the feature record                                 | String | 10     |           |       |             | 2                                   |
| REVISION_DATE    | Date when revision was applied                                                 | Date   |        |           |       |             | 15/06/2026                          |
| PCRS_IDENTIFIER  | Projected Coordinate Reference System code                                     | String | 50     |           |       |             | 25831                               |
| VCRS_IDENTIFIER  | Vertical Coordinate Reference System code used for elevation or depth values   | String | 50     |           |       |             | 5715                                |
| TASK_TYPE        | Classification of the jack-up vessel activity being undertaken                 | String | 50     |           |       | JACKUP_TASK | Foundation Installation             |
| DATA_SOURCE      | Origin of the data e.g., survey, as-built                                      | String | 255    |           |       |             | As-built survey report              |
| TASK_DESCRIPTION | Additional description providing further detail on the jack-up vessel activity | String | 255    |           |       |             | Foundation installation for WTG A01 |

|                                    |                                                                                                       |               |     |    |   |                 |                             |
|------------------------------------|-------------------------------------------------------------------------------------------------------|---------------|-----|----|---|-----------------|-----------------------------|
| <b>LEG_NUMBER</b>                  | Identifier for the individual jack-up vessel leg associated with the recorded measurement or activity | Short Integer |     | 5  | 0 |                 | 1                           |
| <b>VESSEL_NAME</b>                 | Name of the vessel conducting the survey                                                              | String        | 100 |    |   |                 | Vessel 1                    |
| <b>LEG_PENETRATION_DEPT H</b>      | Depth to which the jack-up vessel leg has penetrated the seabed                                       | Double        |     | 38 | 8 |                 | 10                          |
| <b>LEG_PENETRATION_DEPT H_UNIT</b> | Unit of measure associated with the jack-up leg penetration depth                                     | String        | 50  |    |   | UNIT_OF_MEASURE | Metre                       |
| <b>LEG_LOAD</b>                    | Load exerted by the jack-up vessel leg on the seabed                                                  | Double        |     | 38 | 8 |                 | 4290                        |
| <b>LEG_LOAD_UNIT</b>               | Unit of measure associated with the jack-up leg load                                                  | String        | 50  |    |   | UNIT_OF_MEASURE | UK Ton                      |
| <b>EASTING</b>                     | Projected X coordinate                                                                                | Double        |     | 38 | 8 |                 | 654321.235                  |
| <b>NORTHING</b>                    | Projected Y coordinate                                                                                | Double        |     | 38 | 8 |                 | 5987654.128                 |
| <b>LONGITUDE</b>                   | Longitude in decimal degrees                                                                          | Double        |     | 38 | 8 |                 | 1.234567                    |
| <b>LATITUDE</b>                    | Latitude in decimal degrees                                                                           | Double        |     | 38 | 8 |                 | 54.123456                   |
| <b>SBD_ELEVATION</b>               | Seabed elevation at point location                                                                    | Double        |     | 38 | 8 |                 | -25                         |
| <b>SBD_ELEVATION_UNIT</b>          | Unit of measurement for seabed level at point                                                         | String        | 50  |    |   | UNIT_OF_MEASURE | Metre                       |
| <b>SBD_ELEVATION_SOURCE</b>        | Source of seabed elevation measurement                                                                | String        | 255 |    |   |                 | Multibeam bathymetry survey |

#### Data group

#### Data category

#### Codified name

#### Geometry type

|         |                |             |         |
|---------|----------------|-------------|---------|
| Vessels | Jack Up Vessel | VSL_JACK_py | Polygon |
|---------|----------------|-------------|---------|

| Field name               | Description                                                                                           | Type          | Length | Precision | Scale | Domain          | Example                             |
|--------------------------|-------------------------------------------------------------------------------------------------------|---------------|--------|-----------|-------|-----------------|-------------------------------------|
| <b>DATE</b>              | Record creation date                                                                                  | Date          |        |           |       |                 | 07/09/2026<br>DD/MM/YYYY            |
| <b>TIME</b>              | Record creation time                                                                                  | String        | 8      |           |       |                 | 14:32:15                            |
| <b>FEATURE_ID</b>        | Unique project-specific identifier for the feature                                                    | String        | 50     |           |       |                 | A01                                 |
| <b>CONTRACTOR_NAME</b>   | Name of the contractor responsible for the data exchange                                              | String        | 100    |           |       |                 | Contractor 1                        |
| <b>REVISION</b>          | Numeric revision number for the feature record                                                        | String        | 10     |           |       |                 | 2                                   |
| <b>REVISION_DATE</b>     | Date when revision was applied                                                                        | Date          |        |           |       |                 | 15/06/2026                          |
| <b>PCRS_IDENTIFIER</b>   | Projected Coordinate Reference System code                                                            | String        | 50     |           |       |                 | 25831                               |
| <b>VCRS_IDENTIFIER</b>   | Vertical Coordinate Reference System code used for elevation or depth values                          | String        | 50     |           |       |                 | 5715                                |
| <b>TASK_TYPE</b>         | Classification of the jack-up vessel activity being undertaken                                        | String        | 50     |           |       | JACKUP_TASK     | Foundation Installation             |
| <b>DATA_SOURCE</b>       | Origin of the data e.g., survey, as-built                                                             | String        | 255    |           |       |                 | As-built survey report              |
| <b>TASK_DESCRIPTION</b>  | Additional description providing further detail on the jack-up vessel activity                        | String        | 255    |           |       |                 | Foundation installation for WTG A01 |
| <b>LEG_NUMBER</b>        | Identifier for the individual jack-up vessel leg associated with the recorded measurement or activity | Short Integer |        | 5         | 0     |                 | 1                                   |
| <b>FEATURE_AREA</b>      | Area of the jack up vessel activity                                                                   | Double        |        | 38        | 8     |                 | 15000.25                            |
| <b>FEATURE_AREA_UNIT</b> | Unit of measurement for jack up vessel activity area                                                  | String        | 50     |           |       | UNIT_OF_MEASURE | Sq Metre                            |
| <b>VESSEL_NAME</b>       | Name of the jack up vessel conducting the survey                                                      | String        | 100    |           |       |                 | Vessel 1                            |

|                                        |                                                                                                                                      |        |    |    |   |                 |        |
|----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|--------|----|----|---|-----------------|--------|
| <b>LEG_PENETRATION_DEPT<br/>H</b>      | Depth to which the jack-up vessel leg has penetrated the seabed                                                                      | Double |    | 38 | 8 |                 | 10     |
| <b>LEG_PENETRATION_DEPT<br/>H_UNIT</b> | Unit of measure associated with the jack-up leg penetration depth                                                                    | String | 50 |    |   | UNIT_OF_MEASURE | Metre  |
| <b>LEG_LOAD</b>                        | Load exerted by the jack-up vessel leg on the seabed                                                                                 | Double |    | 38 | 8 |                 | 4290   |
| <b>LEG_LOAD_UNIT</b>                   | Unit of measure associated with the jack-up leg load                                                                                 | String | 50 |    |   | UNIT_OF_MEASURE | UK Ton |
| <b>FOOTPRINT</b>                       | Classification of the jack-up vessel seabed footprint shape                                                                          | String | 50 |    |   | FOOTPRINT_SHAPE | Circle |
| <b>FOOTPRINT_DIMENSION</b>             | Characteristic dimensions of the jack up vessel footprint expressed as widest N/S x widest E/W (or diameter for circular footprints) | String | 50 |    |   |                 | 3x6    |

## 5. Reference and constraints

This data group provides supporting spatial and contextual data required to interpret construction activities. This includes data categories object, boundary, and monitoring.

### 5.1. Object

**Description:** Records the location and characteristics of objects encountered during construction, including their identification, relocation, and management.

**Table 10: Summary of the geospatial layers in the object data category**

| Geospatial layer | Description                                                                                                                                          |
|------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| REF_OBJ_pt       | Point layer capturing objects identified or moved during construction, including their classification, planned/taken action, and location confidence |

#### 5.1.1. Object Relocation

| Data group              | Data category | Codified name | Geometry type |
|-------------------------|---------------|---------------|---------------|
| Reference & Constraints | Object        | REF_OBJ_pt    | Point         |

| Field name | Description                                        | Type   | Length | Precision | Scale | Domain | Example                  |
|------------|----------------------------------------------------|--------|--------|-----------|-------|--------|--------------------------|
| DATE       | Record creation date                               | Date   |        |           |       |        | 07/09/2026<br>DD/MM/YYYY |
| TIME       | Record creation time                               | String | 8      |           |       |        | 14:32:15                 |
| FEATURE_ID | Unique project-specific identifier for the feature | String | 50     |           |       |        | A01                      |

|                         |                                                                                                                                  |        |     |    |   |                   |                                                    |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------|--------|-----|----|---|-------------------|----------------------------------------------------|
| <b>CONTRACTOR_NAME</b>  | Name of the contractor responsible for the data exchange                                                                         | String | 100 |    |   |                   | Contractor 1                                       |
| <b>REVISION</b>         | Numeric revision number for the feature record                                                                                   | String | 10  |    |   |                   | 2                                                  |
| <b>REVISION_DATE</b>    | Date when revision was applied                                                                                                   | Date   |     |    |   |                   | 15/06/2026                                         |
| <b>PCRS_IDENTIFIER</b>  | Projected Coordinate Reference System code                                                                                       | String | 50  |    |   |                   | 25831                                              |
| <b>VCRS_IDENTIFIER</b>  | Vertical Coordinate Reference System code used for elevation or depth values                                                     | String | 50  |    |   |                   | 5715                                               |
| <b>TYPE</b>             | Classification of the object                                                                                                     | String | 50  |    |   | <b>OBJ_TYPE</b>   | UXO                                                |
| <b>TYPE_DESCRIPTION</b> | Additional free text to describe the object type                                                                                 | String | 255 |    |   |                   | Steel and cast iron containing chemical explosives |
| <b>PLANNED_ACTION</b>   | Indicates the planned action for the object                                                                                      | String | 50  |    |   | <b>OBJ_ACTION</b> | Leave in-situ                                      |
| <b>ACTION_TAKEN</b>     | Indicates the action taken for the object                                                                                        | String | 50  |    |   | <b>OBJ_ACTION</b> | Relocate                                           |
| <b>DATA_SOURCE</b>      | Origin of the data e.g., survey, as-built                                                                                        | String | 255 |    |   |                   | As-built survey report                             |
| <b>EASTING</b>          | Projected X coordinate                                                                                                           | Double |     | 38 | 8 |                   | 654321.235                                         |
| <b>NORTHING</b>         | Projected Y coordinate                                                                                                           | Double |     | 38 | 8 |                   | 5987654.128                                        |
| <b>KP_VALUE</b>         | Kilometre Point (KP) value defining the position of the object along its referenced line (e.g. a cable or route)                 | Double |     | 38 | 8 |                   | 12.345                                             |
| <b>KP_REFERENCE</b>     | Identifier for the line or route that the Kilometre Point (KP) is referenced to (e.g. cable ID, route ID, trench line reference) | String | 50  |    |   |                   | Cable Route v1                                     |
| <b>LONGITUDE</b>        | Longitude in decimal degrees                                                                                                     | Double |     | 38 | 8 |                   | 1.234567                                           |
| <b>LATITUDE</b>         | Latitude in decimal degrees                                                                                                      | Double |     | 38 | 8 |                   | 54.123456                                          |

|                                        |                                                                                                              |        |     |    |   |                         |                                                   |
|----------------------------------------|--------------------------------------------------------------------------------------------------------------|--------|-----|----|---|-------------------------|---------------------------------------------------|
| <b>DETECTION_METHOD</b>                | Identifies the method or process used to detect or locate the object.                                        | String | 100 |    |   |                         | Magnetometer survey                               |
| <b>LOCATION_CONFIDENCE</b>             | Indicates the confidence level of the recorded object location                                               | String | 50  |    |   | OBJ_LOCATION_CONFIDENCE | Medium                                            |
| <b>POSITION_STATUS</b>                 | Specifies the objects status of positioning e.g. original position or Relocated position                     | String | 50  |    |   | OBJ_POSITION_STATUS     | Relocated location                                |
| <b>BURIAL_DEPTH_STATUS</b>             | Indicates the burial condition of the object relative to the seabed (e.g. buried, partially buried, exposed) | String | 100 |    |   |                         | 5                                                 |
| <b>INFRASTRUCTURE_AREA</b>             | Specifies the infrastructure area associated to the objects location                                         | String | 50  |    |   |                         | 20                                                |
| <b>INFRASTRUCTURE_AREA_DESCRIPTION</b> | Provides additional free text to describe the objects infrastructure area                                    | String | 255 |    |   |                         | Array cable AC01 corridor within 500m buffer zone |
| <b>OBJECT_LENGTH</b>                   | Physical length of the object                                                                                | Double |     | 38 | 8 |                         | 2                                                 |
| <b>OBJECT_WIDTH</b>                    | Physical width of the object                                                                                 | Double |     | 38 | 8 |                         | 0.5                                               |
| <b>OBJECT_HEIGHT</b>                   | Physical height of the object                                                                                | Double |     | 38 | 8 |                         | 1                                                 |
| <b>MEASUREMENT_UNIT</b>                | Unit of measurement for object dimensions                                                                    | String | 50  |    |   | UNIT_OF_MEASURE         | Metre                                             |
| <b>OBJECT_WEIGHT</b>                   | Weight of the object                                                                                         | Double |     | 38 | 8 |                         | 0.05                                              |
| <b>OBJECT_WEIGHT_UNIT</b>              | Unit of measurement for object weight                                                                        | String | 50  |    |   | UNIT_OF_MEASURE         | US Ton                                            |
| <b>SBD_ELEVATION</b>                   | Seabed elevation at point location                                                                           | Double |     | 38 | 8 |                         | -25                                               |
| <b>SBD_ELEVATION_UNIT</b>              | Unit of measurement for seabed level at point                                                                | String | 50  |    |   | UNIT_OF_MEASURE         | Metre                                             |
| <b>SBD_ELEVATION_SOURCE</b>            | Source of seabed elevation measurement                                                                       | String | 255 |    |   |                         | Multibeam bathymetry survey                       |

## 5.2. Boundary

**Description:** Defines spatial boundaries, extents, and zones relevant to the project and construction activities, e.g. operational areas.

**Table 11: Summary of the geospatial layers in the boundary data category**

| Geospatial layer | Description                                                                                                                                    |
|------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| REF_BND_py       | Polygon layer representing spatial boundaries relevant to the project and construction phase (e.g. site boundary, lease area, exclusion zones) |
| REF_SRYEXT_py    | Polygon layer defining the spatial extent of survey coverage areas                                                                             |
| REF_MARKER_pt    | Point layer capturing the location of physical markers (e.g. buoys, posts, signs) used during the construction phase                           |

### 5.2.1. Boundary Reference

**Description:** Captures the spatial definition of project boundaries and zones, including the owner and importance rating.

| Data group              | Data category      | Codified name | Geometry type |
|-------------------------|--------------------|---------------|---------------|
| Reference & Constraints | Boundary Reference | REF_BND_py    | Polygon       |

| Field name      | Description                                              | Type   | Length | Precision | Scale | Domain | Example                  |
|-----------------|----------------------------------------------------------|--------|--------|-----------|-------|--------|--------------------------|
| DATE            | Record creation date                                     | Date   |        |           |       |        | 07/09/2026<br>DD/MM/YYYY |
| TIME            | Record creation time                                     | String | 8      |           |       |        | 14:32:15                 |
| FEATURE_ID      | Unique project-specific identifier for the feature       | String | 50     |           |       |        | A01                      |
| CONTRACTOR_NAME | Name of the contractor responsible for the data exchange | String | 100    |           |       |        | Contractor 1             |

|                           |                                                                               |        |     |    |   |                        |                                                                  |
|---------------------------|-------------------------------------------------------------------------------|--------|-----|----|---|------------------------|------------------------------------------------------------------|
| <b>REVISION</b>           | Numeric revision number for the feature record                                | String | 10  |    |   |                        | 2                                                                |
| <b>REVISION_DATE</b>      | Date when revision was applied                                                | Date   |     |    |   |                        | 15/06/2026                                                       |
| <b>PCRS_IDENTIFIER</b>    | Projected Coordinate Reference System code                                    | String | 50  |    |   |                        | 25831                                                            |
| <b>VCRS_IDENTIFIER</b>    | Vertical Coordinate Reference System code used for elevation or depth values  | String | 50  |    |   |                        | 5715                                                             |
| <b>DATA_SOURCE</b>        | Origin of the data e.g., survey, as-built                                     | String | 255 |    |   |                        | As-built survey report                                           |
| <b>TYPE</b>               | Records the type of boundary                                                  | String | 50  |    |   | <b>BND_TYPE</b>        | Avoidance area                                                   |
| <b>TYPE_DESCRIPTION</b>   | Additional free text to describe the boundary type                            | String | 255 |    |   |                        | Highly transited area for marine mammals during migration season |
| <b>IMPORTANCE_RATING</b>  | Indicates the relative importance or priority of the boundary                 | String | 50  |    |   | <b>BND_IMPORTANCE</b>  | Low                                                              |
| <b>NAME</b>               | Boundary name free text                                                       | String | 100 |    |   |                        | Marine mammal migration path                                     |
| <b>EASTING_CENTROID</b>   | Easting coordinate of centroid                                                | Double |     | 38 | 8 |                        | 654321.235                                                       |
| <b>NORTHING_CENTROID</b>  | Northing coordinate of centroid                                               | Double |     | 38 | 8 |                        | 5987654.128                                                      |
| <b>BOUNDARY_AREA</b>      | Defines the surface area of a feature                                         | Double |     | 38 | 8 |                        | 100                                                              |
| <b>BOUNDARY_AREA_UNIT</b> | Specifies the unit of measurement used to calculate feature area              | String | 50  |    |   | <b>UNIT_OF_MEASURE</b> | Sq Kilometre                                                     |
| <b>OWNER</b>              | Indicates the organisation or personal responsible for the boundary reference | String | 100 |    |   |                        | NOAA                                                             |

|                        |                                                                      |      |  |  |  |  |            |
|------------------------|----------------------------------------------------------------------|------|--|--|--|--|------------|
| <b>VALID_FROM_DATE</b> | Indicates the date on which the boundary reference becomes effective | Date |  |  |  |  | 07/10/2026 |
| <b>VALID_TO_DATE</b>   | Indicates the date on which the boundary reference ceases            | Date |  |  |  |  | 07/10/2028 |

### 5.2.2. Survey Extents

**Description:** Defines the spatial extent of survey areas associated with construction activities, capturing the survey extent identifier, associated survey file name, and feature area.

| Data group              | Data category  | Codified name | Geometry type |
|-------------------------|----------------|---------------|---------------|
| Reference & Constraints | Survey Extents | REF_SRYEXT_py | Polygon       |

| Field name             | Description                                              | Type   | Length | Precision | Scale | Domain | Example                  |
|------------------------|----------------------------------------------------------|--------|--------|-----------|-------|--------|--------------------------|
| <b>DATE</b>            | Record creation date                                     | Date   |        |           |       |        | 07/09/2026<br>DD/MM/YYYY |
| <b>TIME</b>            | Record creation time                                     | String | 8      |           |       |        | 14:32:15                 |
| <b>FEATURE_ID</b>      | Unique project-specific identifier for the feature       | String | 50     |           |       |        | A01                      |
| <b>CONTRACTOR_NAME</b> | Name of the contractor responsible for the data exchange | String | 100    |           |       |        | Contractor 1             |
| <b>REVISION</b>        | Numeric revision number for the feature record           | String | 10     |           |       |        | 2                        |
| <b>REVISION_DATE</b>   | Date when revision was applied                           | Date   |        |           |       |        | 15/06/2026               |
| <b>PCRS_IDENTIFIER</b> | Projected Coordinate Reference System code               | String | 50     |           |       |        | 25831                    |

|                          |                                                                              |        |     |    |   |                 |                        |
|--------------------------|------------------------------------------------------------------------------|--------|-----|----|---|-----------------|------------------------|
| <b>VCRS_IDENTIFIER</b>   | Vertical Coordinate Reference System code used for elevation or depth values | String | 50  |    |   |                 | 5715                   |
| <b>DATA_SOURCE</b>       | Origin of the data e.g., survey, as-built                                    | String | 255 |    |   |                 | As-built survey report |
| <b>SURVEY_EXTENT_ID</b>  | Unique identifier for the survey extent or coverage area                     | String | 50  |    |   |                 | SRYEXT_001             |
| <b>SURVEY_FILE_NAME</b>  | Name of the source survey file associated with the extent                    | String | 255 |    |   |                 | SRYEXT_001.tif         |
| <b>FEATURE_AREA</b>      | Area of the survey extent or feature footprint                               | Double |     | 38 | 8 |                 | 15000.25               |
| <b>FEATURE_AREA_UNIT</b> | Unit of measurement for feature area                                         | String | 50  |    |   | UNIT_OF_MEASURE | Sq Metre               |

### 5.2.3. Boundary Marker

**Description:** Captures the location and characteristics of physical boundary markers (e.g. buoys, posts, signs) used to demarcate project boundaries or zones during construction activities.

| Data group              | Data category   | Codified name | Geometry type |
|-------------------------|-----------------|---------------|---------------|
| Reference & Constraints | Boundary Marker | REF_MARKER_pt | Point         |

| Field name             | Description                                              | Type   | Length | Precision | Scale | Domain | Example                  |
|------------------------|----------------------------------------------------------|--------|--------|-----------|-------|--------|--------------------------|
| <b>DATE</b>            | Record creation date                                     | Date   |        |           |       |        | 07/09/2026<br>DD/MM/YYYY |
| <b>TIME</b>            | Record creation time                                     | String | 8      |           |       |        | 14:32:15                 |
| <b>FEATURE_ID</b>      | Unique project-specific identifier for the feature       | String | 50     |           |       |        | A01                      |
| <b>CONTRACTOR_NAME</b> | Name of the contractor responsible for the data exchange | String | 100    |           |       |        | Contractor 1             |

|                           |                                                                              |        |     |    |   |              |                                                                |
|---------------------------|------------------------------------------------------------------------------|--------|-----|----|---|--------------|----------------------------------------------------------------|
| <b>REVISION</b>           | Numeric revision number for the feature record                               | String | 10  |    |   |              | 2                                                              |
| <b>REVISION_DATE</b>      | Date when revision was applied                                               | Date   |     |    |   |              | 15/06/2026                                                     |
| <b>PCRS_IDENTIFIER</b>    | Projected Coordinate Reference System code                                   | String | 50  |    |   |              | 25831                                                          |
| <b>VCRS_IDENTIFIER</b>    | Vertical Coordinate Reference System code used for elevation or depth values | String | 50  |    |   |              | 5715                                                           |
| <b>DATA_SOURCE</b>        | Origin of the data e.g., survey, as-built                                    | String | 255 |    |   |              | As-built survey report                                         |
| <b>MARKER_DESCRIPTION</b> | Description of the marker including the purpose of the marker                | String | 255 |    |   |              | Yellow buoy marking the southern extent of the site lease area |
| <b>MARKER_PURPOSE</b>     | Primary purpose of the boundary marker                                       | String | 100 |    |   |              | Site boundary                                                  |
| <b>EASTING</b>            | Projected X coordinate                                                       | Double |     | 38 | 8 |              | 654321.235                                                     |
| <b>NORTHING</b>           | Projected Y coordinate                                                       | Double |     | 38 | 8 |              | 5987654.128                                                    |
| <b>LONGITUDE</b>          | Longitude in decimal degrees                                                 | Double |     | 38 | 8 |              | 1.234567                                                       |
| <b>LATITUDE</b>           | Latitude in decimal degrees                                                  | Double |     | 38 | 8 |              | 54.123456                                                      |
| <b>MOBILE_FIXED</b>       | Indicates whether the equipment or marker is mobile or fixed                 | String | 10  |    |   | MOBILE_FIXED | Fixed                                                          |
| <b>VISUAL_DESCRIPTION</b> | Visual description of the marker e.g. yellow marker buoy                     | String | 255 |    |   |              | Yellow marker buoy                                             |
| <b>VALID_FROM_DATE</b>    | Date from which the feature record is valid                                  | Date   |     |    |   |              | 14/07/2026                                                     |
| <b>VALID_TO_DATE</b>      | Date until which the feature record is valid                                 | Date   |     |    |   |              | 10/07/2028                                                     |



## 5.3. Monitoring

**Description:** Data related to the equipment used for observation and tracking of environmental or asset conditions over the construction phase

**Table 12: Summary of the geospatial layers in the monitoring data category**

| Geospatial layer | Description                                                                                      |
|------------------|--------------------------------------------------------------------------------------------------|
| REF_MON_pt       | Point layer capturing fixed-location monitoring equipment (e.g. metocean buoys, hydrophones)     |
| REF_MON_pl       | Polyline layer for monitoring transects or deployments with a start and end point                |
| REF_MON_py       | Polygon layer representing the coverage area of monitoring equipment or defined monitoring zones |

### 5.3.1. Monitoring Equipment

**Description:** Captures the location and attributes of monitoring activities and equipment used to observe environmental or construction-related conditions.

| Data group              | Data category        | Codified name | Geometry type |
|-------------------------|----------------------|---------------|---------------|
| Reference & Constraints | Monitoring Equipment | REF_MON_pt    | Point         |

| Field name      | Description                                              | Type   | Length | Precision | Scale | Domain | Example                  |
|-----------------|----------------------------------------------------------|--------|--------|-----------|-------|--------|--------------------------|
| DATE            | Record creation date                                     | Date   |        |           |       |        | 07/09/2026<br>DD/MM/YYYY |
| TIME            | Record creation time                                     | String | 8      |           |       |        | 14:32:15                 |
| FEATURE_ID      | Unique project-specific identifier for the feature       | String | 50     |           |       |        | A01                      |
| CONTRACTOR_NAME | Name of the contractor responsible for the data exchange | String | 100    |           |       |        | Contractor 1             |
| REVISION        | Numeric revision number for the feature record           | String | 10     |           |       |        | 2                        |

|                           |                                                                                           |        |     |    |   |              |                                         |
|---------------------------|-------------------------------------------------------------------------------------------|--------|-----|----|---|--------------|-----------------------------------------|
| <b>REVISION_DATE</b>      | Date when revision was applied                                                            | Date   |     |    |   |              | 15/06/2026                              |
| <b>PCRS_IDENTIFIER</b>    | Projected Coordinate Reference System code                                                | String | 50  |    |   |              | 25831                                   |
| <b>VCRS_IDENTIFIER</b>    | Vertical Coordinate Reference System code used for elevation or depth values              | String | 50  |    |   |              | 5715                                    |
| <b>EQUIPMENT_TYPE</b>     | Indicates the type of monitoring equipment                                                | String | 100 |    |   |              | Camera                                  |
| <b>DATA_SOURCE</b>        | Origin of the data e.g., survey, as-built                                                 | String | 255 |    |   |              | As-built survey report                  |
| <b>VALID_FROM_DATE</b>    | Date from which the monitoring equipment is valid or operational                          | Date   |     |    |   |              | 01/01/2027                              |
| <b>VALID_TO_DATE</b>      | Date until which the monitoring equipment is valid or operational                         | Date   |     |    |   |              | 02/01/2028                              |
| <b>TIME_ACTIVE_MONTHS</b> | Duration for which the monitoring equipment was active, expressed in months               | Double |     | 38 | 8 |              | 13                                      |
| <b>EASTING</b>            | Projected X coordinate                                                                    | Double |     | 38 | 8 |              | 654321.235                              |
| <b>NORTHING</b>           | Projected Y coordinate                                                                    | Double |     | 38 | 8 |              | 5987654.128                             |
| <b>LONGITUDE</b>          | Longitude in decimal degrees                                                              | Double |     | 38 | 8 |              | 1.234567                                |
| <b>LATITUDE</b>           | Latitude in decimal degrees                                                               | Double |     | 38 | 8 |              | 54.123456                               |
| <b>MOBILE_FIXED</b>       | Indicates whether the monitoring equipment is mobile or fixed                             | String | 10  |    |   | MOBILE_FIXED | Mobile                                  |
| <b>VISUAL_DESCRIPTION</b> | Free text description of the monitoring equipment appearance or configuration             | String | 255 |    |   |              | Stainless steel surveillance camera     |
| <b>BUFFER_METRE</b>       | Buffer distance around the monitoring equipment location                                  | Double |     | 38 | 8 |              | 15                                      |
| <b>BUFFER_DESCRIPTION</b> | Free text description of the buffer zone applied around the monitoring equipment location | String | 255 |    |   |              | 500m exclusion zone for vessel activity |

| Data group              | Data category        | Codified name | Geometry type |
|-------------------------|----------------------|---------------|---------------|
| Reference & Constraints | Monitoring Equipment | REF_MON_pl    | Polyline      |

| Field name             | Description                                                                  | Type   | Length | Precision | Scale | Domain | Example                  |
|------------------------|------------------------------------------------------------------------------|--------|--------|-----------|-------|--------|--------------------------|
| <b>DATE</b>            | Record creation date                                                         | Date   |        |           |       |        | 07/09/2026<br>DD/MM/YYYY |
| <b>TIME</b>            | Record creation time                                                         | String | 8      |           |       |        | 14:32:15                 |
| <b>FEATURE_ID</b>      | Unique project-specific identifier for the feature                           | String | 50     |           |       |        | A01                      |
| <b>CONTRACTOR_NAME</b> | Name of the contractor responsible for the data exchange                     | String | 100    |           |       |        | Contractor 1             |
| <b>REVISION</b>        | Numeric revision number for the feature record                               | String | 10     |           |       |        | 2                        |
| <b>REVISION_DATE</b>   | Date when revision was applied                                               | Date   |        |           |       |        | 15/06/2026               |
| <b>PCRS_IDENTIFIER</b> | Projected Coordinate Reference System code                                   | String | 50     |           |       |        | 25831                    |
| <b>VCRS_IDENTIFIER</b> | Vertical Coordinate Reference System code used for elevation or depth values | String | 50     |           |       |        | 5715                     |
| <b>EQUIPMENT_TYPE</b>  | Indicates the type of monitoring equipment                                   | String | 100    |           |       |        | Camera                   |
| <b>DATA_SOURCE</b>     | Origin of the data e.g., survey, as-built                                    | String | 255    |           |       |        | As-built survey report   |
| <b>VALID_FROM_DATE</b> | Date from which the monitoring equipment is valid or operational             | Date   |        |           |       |        | 01/01/2027               |
| <b>VALID_TO_DATE</b>   | Date until which the monitoring equipment is valid or operational            | Date   |        |           |       |        | 02/01/2028               |

|                            |                                                                               |        |     |    |   |                 |                                     |
|----------------------------|-------------------------------------------------------------------------------|--------|-----|----|---|-----------------|-------------------------------------|
| <b>TIME_ACTIVE_MONTHS</b>  | Duration for which the monitoring equipment was active, expressed in months   | Double |     | 38 | 8 |                 | 13                                  |
| <b>FROM_LONGITUDE</b>      | Longitude of the start point of the monitoring equipment deployment           | Double |     | 38 | 8 |                 | 1.234567                            |
| <b>FROM_LATITUDE</b>       | Latitude of the start point of the monitoring equipment deployment            | Double |     | 38 | 8 |                 | 54.123456                           |
| <b>TO_LONGITUDE</b>        | Longitude of the end point of the monitoring equipment deployment             | Double |     | 38 | 8 |                 | 1.7654321                           |
| <b>TO_LATITUDE</b>         | Latitude of the end point of the monitoring equipment deployment              | Double |     | 38 | 8 |                 | 54.123511                           |
| <b>MOBILE_FIXED</b>        | Indicates whether the monitoring equipment is mobile or fixed                 | String | 10  |    |   | MOBILE_FIXED    | Mobile                              |
| <b>VISUAL_DESCRIPTION</b>  | Free text description of the monitoring equipment appearance or configuration | String | 255 |    |   |                 | Stainless steel surveillance camera |
| <b>BUFFER_METRE</b>        | Buffer distance around the monitoring equipment location                      | Double |     | 38 | 8 |                 | 15                                  |
| <b>FEATURE_LENGTH</b>      | Length the monitoring equipment deployment or track covers                    | Double |     | 38 | 8 |                 | 25                                  |
| <b>FEATURE_LENGTH_UNIT</b> | Unit of measurement for monitoring equipment length                           | String | 50  |    |   | UNIT_OF_MEASURE | Metre                               |

| Data group              | Data category        | Codified name | Geometry type |
|-------------------------|----------------------|---------------|---------------|
| Reference & Constraints | Monitoring Equipment | REF_MON_py    | Polygon       |

| Field name | Description | Type | Length | Precision | Scale | Domain | Example |
|------------|-------------|------|--------|-----------|-------|--------|---------|
|------------|-------------|------|--------|-----------|-------|--------|---------|

|                           |                                                                               |        |     |   |  |              |                                     |
|---------------------------|-------------------------------------------------------------------------------|--------|-----|---|--|--------------|-------------------------------------|
| <b>DATE</b>               | Record creation date                                                          | Date   |     |   |  |              | 07/09/2026<br>DD/MM/YYYY            |
| <b>TIME</b>               | Record creation time                                                          | String | 8   |   |  |              | 14:32:15                            |
| <b>FEATURE_ID</b>         | Unique project-specific identifier for the feature                            | String | 50  |   |  |              | A01                                 |
| <b>CONTRACTOR_NAME</b>    | Name of the contractor responsible for the data exchange                      | String | 100 |   |  |              | Contractor 1                        |
| <b>REVISION</b>           | Numeric revision number for the feature record                                | String | 10  |   |  |              | 2                                   |
| <b>REVISION_DATE</b>      | Date when revision was applied                                                | Date   |     |   |  |              | 15/06/2026                          |
| <b>PCRS_IDENTIFIER</b>    | Projected Coordinate Reference System code                                    | String | 50  |   |  |              | 25831                               |
| <b>VCRS_IDENTIFIER</b>    | Vertical Coordinate Reference System code used for elevation or depth values  | String | 50  |   |  |              | 5715                                |
| <b>EQUIPMENT_TYPE</b>     | Indicates the type of monitoring equipment                                    | String | 100 |   |  |              | Camera                              |
| <b>DATA_SOURCE</b>        | Origin of the data e.g., survey, as-built                                     | String | 255 |   |  |              | As-built survey report              |
| <b>VALID_FROM_DATE</b>    | Date from which the monitoring equipment is valid or operational              | Date   |     |   |  |              | 01/01/2027                          |
| <b>VALID_TO_DATE</b>      | Date until which the monitoring equipment is valid or operational             | Date   |     |   |  |              | 02/01/2028                          |
| <b>TIME_ACTIVE_MONTHS</b> | Duration for which the monitoring equipment was active, expressed in months   | Double |     | 8 |  |              | 13                                  |
| <b>MOBILE_FIXED</b>       | Indicates whether the monitoring equipment is mobile or fixed                 | String | 10  |   |  | MOBILE_FIXED | Mobile                              |
| <b>VISUAL_DESCRIPTION</b> | Free text description of the monitoring equipment appearance or configuration | String | 255 |   |  |              | Stainless steel surveillance camera |

|                          |                                                          |        |    |   |  |                 |          |
|--------------------------|----------------------------------------------------------|--------|----|---|--|-----------------|----------|
| <b>BUFFER_METRE</b>      | Buffer distance around the monitoring equipment location | Double |    | 8 |  |                 | 15       |
| <b>FEATURE_AREA</b>      | Area the monitoring equipment covers                     | Double |    | 8 |  |                 | 15000.25 |
| <b>FEATURE_AREA_UNIT</b> | Unit of measurement for monitoring equipment area        | String | 50 |   |  | UNIT_OF_MEASURE | Sq Metre |

## 6. Domains

This section gives an overview of the domains used in the Offshore Wind Data Model (OWDM). Domains are lists of predefined values that help keep data consistent across the model.

The tables below bring these values together in one place, so users can easily see what options are available for different fields (for example, units, types, or statuses).

### 6.1. Domain summary tables

Section 6.1 summarises the domains referenced within each geospatial layer, grouped by data category. Each row represents one field to domain pairing. Where a domain, such as UNIT\_OF\_MEASURE, is referenced by multiple fields on the same layer, it appears once per field. This reflects the fact that multiple unit fields on a layer (e.g. TENSION\_UNIT, DCC\_UNIT) each independently reference the same global UNIT\_OF\_MEASURE domain. The full list of allowable values for each domain is provided in Section 6.2.

#### 6.1.1. Preparation Activity

| Data category               | Geospatial layer | Field name          | Domain                |
|-----------------------------|------------------|---------------------|-----------------------|
| Boulder Plough              | PRP_BPLOUGH_pt   | DCC_UNIT            | UNIT_OF_MEASURE       |
|                             |                  | TENSION_UNIT        | UNIT_OF_MEASURE       |
|                             | PRP_BPLOUGH_pl   | FEATURE_LENGTH_UNIT | UNIT_OF_MEASURE       |
|                             | PRP_BPLOUGH_py   | WIDTH_PLOUGH_UNIT   | UNIT_OF_MEASURE       |
|                             |                  | FEATURE_AREA_UNIT   | UNIT_OF_MEASURE       |
| Seabed Preparation Activity | PRP_SBP_py       | TYPE                | SEABED_CLEARANCE_TYPE |
|                             |                  | FEATURE_AREA_UNIT   | UNIT_OF_MEASURE       |
|                             |                  | VOLUME_UNIT         | UNIT_OF_MEASURE       |
| Pre-Lay Grapnel Run         | PRP_PLGR_pt      | FEATURE_LENGTH_UNIT | UNIT_OF_MEASURE       |

|  |             |                     |                 |
|--|-------------|---------------------|-----------------|
|  |             | DCC_UNIT            | UNIT_OF_MEASURE |
|  |             | TENSION_UNIT        | UNIT_OF_MEASURE |
|  | PRP_PLGR_pl | FEATURE_LENGTH_UNIT | UNIT_OF_MEASURE |

### 6.1.2. Horizontal Directional Drilling

| Data category                   | Geospatial layer | Field name             | Domain          |
|---------------------------------|------------------|------------------------|-----------------|
| Horizontal Directional Drilling | INF_HDD_pt       | TYPE                   | HDD_TYPE_PT     |
|                                 |                  | ELEVATION_UNIT         | UNIT_OF_MEASURE |
|                                 | INF_HDD_pl       | DRILL_DIAMETER_UNIT    | UNIT_OF_MEASURE |
|                                 |                  | DRILL_ORIENTATION_UNIT | UNIT_OF_MEASURE |
|                                 |                  | MAX_DRILL_DEPTH_UNIT   | UNIT_OF_MEASURE |
|                                 |                  | FEATURE_LENGTH_UNIT    | UNIT_OF_MEASURE |
|                                 | INF_HDD_py       | TYPE                   | HDD_TYPE_PY     |
|                                 |                  | FEATURE_AREA_UNIT      | UNIT_OF_MEASURE |
|                                 |                  | SPOIL_VOLUME_UNIT      | UNIT_OF_MEASURE |

### 6.1.3. Cable

| Data category | Geospatial layer | Field name          | Domain            |
|---------------|------------------|---------------------|-------------------|
| Cable         | INF_CAB_pl       | TEMPORAL_STATUS     | TEMPORALITY       |
|               |                  | ROUTE_TYPE          | CABLE_ROUTE_TYPE  |
|               |                  | FEATURE_LENGTH_UNIT | UNIT_OF_MEASURE   |
|               |                  | COMPOSITION         | CABLE_COMPOSITION |

|  |                       |                            |                 |
|--|-----------------------|----------------------------|-----------------|
|  |                       | SYSTEM                     | CABLE_SYSTEM    |
|  |                       | DESIGNED_DEPTH_BURIAL_UNIT | UNIT_OF_MEASURE |
|  |                       | CROSS_SECTIONAL_AREA_UNIT  | UNIT_OF_MEASURE |
|  | INF_CAB_AsLAID_pt     | SBD_ELEVATION_UNIT         | UNIT_OF_MEASURE |
|  |                       | DCC_UNIT                   | UNIT_OF_MEASURE |
|  |                       | ASBL_UNIT                  | UNIT_OF_MEASURE |
|  | INF_CAB_AsTRENCHED_pt | CABLE_DIAMETER_UNIT        | UNIT_OF_MEASURE |
|  |                       | DCC_UNIT                   | UNIT_OF_MEASURE |
|  |                       | SBD_LEVEL_UNIT             | UNIT_OF_MEASURE |
|  |                       | TOC_UNIT                   | UNIT_OF_MEASURE |
|  | INF_CAB_AsBUILT_pt    | CABLE_DIAMETER_UNIT        | UNIT_OF_MEASURE |
|  |                       | DCC_UNIT                   | UNIT_OF_MEASURE |
|  |                       | SBD_LEVEL_UNIT             | UNIT_OF_MEASURE |
|  |                       | TOC_UNIT                   | UNIT_OF_MEASURE |
|  |                       | CABLE_TRACKING_UNIT        | UNIT_OF_MEASURE |
|  |                       | ROV_ALTITUDE_CRP_UNIT      | UNIT_OF_MEASURE |
|  | INF_CAB_FLAG_pt       | TEMPORAL_STATUS            | TEMPORALITY     |
|  |                       | FLAG_TYPE                  | FLAG_TYPE       |
|  |                       | FLAG_SIDE                  | LEFT_RIGHT      |
|  |                       | FLAG_DISTANCE_UNIT         | UNIT_OF_MEASURE |
|  | INF_CAB_EVENT_pt      | LISTING_TYPE               | TEMPORALITY     |

|  |                         |                          |                 |
|--|-------------------------|--------------------------|-----------------|
|  |                         | EVENT_NAME               | EVENT_NAME      |
|  |                         | SBD_ELEVATION_UNIT       | UNIT_OF_MEASURE |
|  |                         | DCC_UNIT                 | UNIT_OF_MEASURE |
|  |                         | EVENT_ELEVATION_UNIT     | UNIT_OF_MEASURE |
|  | INF_CAB_SRYSBP_pt       | TYPE                     | SURVEY_TYPE     |
|  |                         | POSBL_UNIT               | UNIT_OF_MEASURE |
|  |                         | PSBL_UNIT                | UNIT_OF_MEASURE |
|  | INF_CAB_SRYSBP_pl       | TYPE                     | SURVEY_TYPE     |
|  |                         | FEATURE_LENGTH_UNIT      | UNIT_OF_MEASURE |
|  | INF_CAB_SRYSBP_EVENT_pt | TYPE                     | SURVEY_TYPE     |
|  |                         | LISTING_TYPE             | TEMPORALITY     |
|  |                         | EVENT_NAME               | EVENT_NAME      |
|  |                         | DCC_UNIT                 | UNIT_OF_MEASURE |
|  |                         | FEATURE_MEASUREMENT_UNIT | UNIT_OF_MEASURE |
|  |                         | ELEVATION_UNIT           | UNIT_OF_MEASURE |

#### 6.1.4. Wind Turbine Generator

| Data category          | Geospatial layer | Field name          | Domain          |
|------------------------|------------------|---------------------|-----------------|
| Wind Turbine Generator | INF_WTG_pt       | TEMPORAL_STATUS     | TEMPORALITY     |
|                        |                  | HUB_HEIGHT_UNIT     | UNIT_OF_MEASURE |
|                        |                  | ROTOR_DIAMETER_UNIT | UNIT_OF_MEASURE |

### 6.1.5. Topside

| Data category | Geospatial layer | Field name          | Domain                 |
|---------------|------------------|---------------------|------------------------|
| Topside       | INF_TOP_pt       | TYPE                | TOPSIDE_TYPE           |
|               |                  | TEMPORAL_STATUS     | TEMPORALITY            |
|               |                  | NAV_AID_PRESENT     | YES_NO                 |
|               | INF_TOP_pl       | TYPE                | TOPSIDE_TYPE           |
|               |                  | LINE_TYPE           | TOPSIDE_COMPONENT_TYPE |
|               |                  | TEMPORAL_STATUS     | TEMPORALITY            |
|               |                  | FEATURE_LENGTH_UNIT | UNIT_OF_MEASURE        |
|               | INF_TOP_py       | TYPE                | TOPSIDE_TYPE           |
|               |                  | TEMPORAL_STATUS     | TEMPORALITY            |
|               |                  | FEATURE_AREA_UNIT   | UNIT_OF_MEASURE        |

### 6.1.6. Foundation

| Data category | Geospatial layer | Field name             | Domain          |
|---------------|------------------|------------------------|-----------------|
| Foundation    | INF_FOU_pt       | TEMPORAL_STATUS        | TEMPORALITY     |
|               |                  | TYPE                   | FOU_TYPE        |
|               |                  | COMPONENT              | FOU_COMPONENT   |
|               |                  | XY_DELTA_UNIT          | UNIT_OF_MEASURE |
|               |                  | SBD_ELEVATION_UNIT     | UNIT_OF_MEASURE |
|               |                  | PENETRATION_DEPTH_UNIT | UNIT_OF_MEASURE |
|               |                  | INCLINATION_UNIT       | UNIT_OF_MEASURE |
|               |                  | ELEVATION_UNIT         | UNIT_OF_MEASURE |
|               |                  | ORIENTATION_UNIT       | UNIT_OF_MEASURE |

|  |            |                     |                 |
|--|------------|---------------------|-----------------|
|  | INF_FOU_pl | NAV_AID_PRESENT     | YES_NO          |
|  |            | TEMPORAL_STATUS     | TEMPORALITY     |
|  |            | TYPE                | FOU_TYPE        |
|  |            | COMPONENT           | FOU_COMPONENT   |
|  | INF_FOU_py | FEATURE_LENGTH_UNIT | UNIT_OF_MEASURE |
|  |            | TEMPORAL_STATUS     | TEMPORALITY     |
|  |            | TYPE                | FOU_TYPE        |
|  |            | COMPONENT           | FOU_COMPONENT   |
|  |            | FEATURE_AREA_UNIT   | UNIT_OF_MEASURE |

#### 6.1.7. Asset Protection

| Data category    | Geospatial layer | Field name          | Domain                      |
|------------------|------------------|---------------------|-----------------------------|
| Asset Protection | INF_ASSETPRO_py  | TYPE                | ASSETPRO_TYPE               |
|                  |                  | ASSOCIATED_ELEMENT  | ASSETPRO_ASSOCIATED_ELEMENT |
|                  |                  | FEATURE_AREA_UNIT   | UNIT_OF_MEASURE             |
|                  |                  | FEATURE_WEIGHT_UNIT | UNIT_OF_MEASURE             |
|                  |                  | VOLUME_UNIT         | UNIT_OF_MEASURE             |

#### 6.1.8. Vessels

| Data category | Geospatial layer | Field name           | Domain          |
|---------------|------------------|----------------------|-----------------|
| Vessel        | VSL_CAB_pt       | DCC_UNIT             | UNIT_OF_MEASURE |
|               |                  | DEPARTURE_ANGLE_UNIT | UNIT_OF_MEASURE |
|               |                  | TENSION_UNIT         | UNIT_OF_MEASURE |
|               | VSL_CAB_pl       | FEATURE_LENGTH_UNIT  | UNIT_OF_MEASURE |

|  |             |                            |                 |
|--|-------------|----------------------------|-----------------|
|  | VSL_JACK_pt | TASK_TYPE                  | JACKUP_TASK     |
|  |             | LEG_PENETRATION_DEPTH_UNIT | UNIT_OF_MEASURE |
|  |             | LEG_LOAD_UNIT              | UNIT_OF_MEASURE |
|  |             | SBD_ELEVATION_UNIT         | UNIT_OF_MEASURE |
|  | VSL_JACK_py | TASK_TYPE                  | JACKUP_TASK     |
|  |             | FEATURE_AREA_UNIT          | UNIT_OF_MEASURE |
|  |             | LEG_PENETRATION_DEPTH_UNIT | UNIT_OF_MEASURE |
|  |             | LEG_LOAD_UNIT              | UNIT_OF_MEASURE |
|  |             | FOOTPRINT                  | FOOTPRINT_SHAPE |

#### 6.1.9. Object

| Data category | Geospatial layer | Field name          | Domain                  |
|---------------|------------------|---------------------|-------------------------|
| Object        | REF_OBJ_pt       | TYPE                | OBJ_TYPE                |
|               |                  | PLANNED_ACTION      | OBJ_ACTION              |
|               |                  | ACTION_TAKEN        | OBJ_ACTION              |
|               |                  | LOCATION_CONFIDENCE | OBJ_LOCATION_CONFIDENCE |
|               |                  | POSITION_STATUS     | OBJ_POSITION_STATUS     |
|               |                  | MEASUREMENT_UNIT    | UNIT_OF_MEASURE         |
|               |                  | OBJECT_WEIGHT_UNIT  | UNIT_OF_MEASURE         |
|               |                  | SBD_ELEVATION_UNIT  | UNIT_OF_MEASURE         |

#### 6.1.10. Boundary

| Data category | Geospatial layer | Field name | Domain |
|---------------|------------------|------------|--------|
|---------------|------------------|------------|--------|

|                 |               |                    |                 |
|-----------------|---------------|--------------------|-----------------|
| <b>Boundary</b> | REF_BND_py    | TYPE               | BND_TYPE        |
|                 |               | IMPORTANCE_RATING  | BND_IMPORTANCE  |
|                 |               | BOUNDARY_AREA_UNIT | UNIT_OF_MEASURE |
|                 | REF_SRYEXT_py | FEATURE_AREA_UNIT  | UNIT_OF_MEASURE |
|                 | REF_MARKER_pt | MOBILE_FIXED       | MOBILE_FIXED    |

#### 6.1.11. Monitoring

| <b>Data category</b>        | <b>Geospatial layer</b> | <b>Field name</b>   | <b>Domain</b>   |
|-----------------------------|-------------------------|---------------------|-----------------|
| <b>Monitoring Equipment</b> | REF_MON_pt              | MOBILE_FIXED        | MOBILE_FIXED    |
|                             | REF_MON_pl              | MOBILE_FIXED        | MOBILE_FIXED    |
|                             |                         | FEATURE_LENGTH_UNIT | UNIT_OF_MEASURE |
|                             | REF_MON_py              | MOBILE_FIXED        | MOBILE_FIXED    |
|                             |                         | FEATURE_AREA_UNIT   | UNIT_OF_MEASURE |

## 6.2. Domains

This subsection encloses all the domains found in the OWDM, organised alphabetically [].

### 6.2.1. ASSETPRO\_ASSOCIATED\_ELEMENT

| Value                  |
|------------------------|
| Array Cable            |
| Export Cable           |
| Offshore Substation    |
| Wind Turbine Generator |
| Third Party Crossing   |
| Other                  |

### 6.2.2. ASSETPRO\_TYPE

| Value        |
|--------------|
| Armour layer |
| Filter layer |
| Overdump     |
| Berm         |
| Mattress     |
| Other        |

### 6.2.3. BND\_IMPORTANCE

| Value  |
|--------|
| High   |
| Medium |
| Low    |

### 6.2.4. BND\_TYPE

| Value            |
|------------------|
| Site             |
| Lease            |
| Avoidance area   |
| Guard zone       |
| Maintenance zone |
| Safety zone      |
| Special use area |
| Exclusion zone   |
| Object avoidance |
| Other            |

#### 6.2.5. CABLE\_COMPOSITION

| Value       |
|-------------|
| Aluminium   |
| Copper      |
| Fibre optic |

#### 6.2.6. CABLE\_ROUTE\_TYPE

| Value                         |
|-------------------------------|
| Offshore Array Cable          |
| Offshore Export Cable         |
| Offshore Interlink            |
| Onshore Export Cable          |
| Onshore Grid Connection Cable |
| Data Cable                    |
| Interconnector Cable          |

#### 6.2.7. CABLE\_SYSTEM

| Value |
|-------|
| HVAC  |
| HVDC  |

#### 6.2.8. EVENT\_NAME

| Code   | Description                     |
|--------|---------------------------------|
| BU-E   | Burial End                      |
| BU-S   | Burial Start                    |
| DA     | Damage                          |
| DA-PR  | Plastic Coating Removed         |
| DH     | Debris Hard                     |
| DH-BD  | Boulder                         |
| DH-OH  | Other                           |
| DH-WD  | Wood                            |
| DM     | Debris Metallic                 |
| DM-BY  | Buoy                            |
| DM-CB  | Cable (not crossing route)      |
| DM-WR  | Wire <2cm Diameter              |
| DS     | Debris Soft                     |
| DS-NT  | Netting Fishing Gear            |
| DS-RO  | Rope                            |
| EF-BM  | Bellmouth (Visual of CPS Start) |
| EF-BRE | Bend Restrictor End             |
| EF-BRS | Bend Restrictor Start           |

|               |                                                         |
|---------------|---------------------------------------------------------|
| <b>EF-CXO</b> | Cable Crossing over surveyed asset                      |
| <b>EF-CXU</b> | Cable Crossing under surveyed asset                     |
| <b>EF-EH</b>  | Entry Hole (Visual of CPS Start)                        |
| <b>EF-EK</b>  | End Knuckle (Visual of CPS End)                         |
| <b>EF-FCE</b> | Factory Joint End                                       |
| <b>EF-FCS</b> | Factory Joint Start                                     |
| <b>EF-FJE</b> | Field Joint End                                         |
| <b>EF-FJS</b> | Field Joint Start                                       |
| <b>EF-OT</b>  | Engineering Feature Other (to be specified in comments) |
| <b>FS-E</b>   | Freespan End                                            |
| <b>FS-S</b>   | Freespan Start                                          |
| <b>OT-US</b>  | Other Unspecified                                       |
| <b>SF-NBE</b> | Numerous Boulder End                                    |
| <b>SF-NBS</b> | Numerous Boulder Start                                  |
| <b>SF-PK</b>  | Pockmark                                                |
| <b>SF-TSE</b> | Trawl Scar End                                          |
| <b>SF-TSS</b> | Trawl Scar Start                                        |
| <b>ST-MT1</b> | Concrete Mattress Corner 1                              |
| <b>ST-MT2</b> | Concrete Mattress Corner 2                              |
| <b>ST-MT3</b> | Concrete Mattress Corner 3                              |
| <b>ST-MT4</b> | Concrete Mattress Corner 4                              |
| <b>ST-MTC</b> | Concrete Mattress Centrepont                            |
| <b>ST-RBC</b> | Rock Bag Centrepont                                     |
| <b>ST-RDE</b> | Rock Dump End                                           |
| <b>ST-RDS</b> | Rock Dump Start                                         |
| <b>TR-E</b>   | Trench End                                              |
| <b>TR-S</b>   | Trench Start                                            |

#### 6.2.9. FLAG\_TYPE

| Value     |
|-----------|
| Marker    |
| Deviation |
| Other     |

#### 6.2.10. FOOTPRINT\_SHAPE

| Value    |
|----------|
| Circle   |
| Square   |
| Triangle |
| Unknown  |

#### 6.2.11. FOU\_COMPONENT

| Value                 |
|-----------------------|
| Anode cage            |
| Boat landing          |
| Crane                 |
| GUS (Gusset plate)    |
| J-tube                |
| Ladder                |
| Leg                   |
| Pile gripper          |
| Platform North line   |
| Foundation outline    |
| Transition Piece (TP) |
| Platform outline      |
| Bellmouth             |
| Flange                |
| Pin pile              |

#### 6.2.12. FOU\_TYPE

| Value                   |
|-------------------------|
| Gravity based           |
| Monopile with TP        |
| Monopile TP-less        |
| Jacket (Suction Bucket) |
| Jacket (Piled)          |
| Tripod                  |

#### 6.2.13. HDD\_TYPE\_PT

| Value     |
|-----------|
| HDD entry |
| HDD exit  |

#### 6.2.14. HDD\_TYPE\_PY

| Value                     |
|---------------------------|
| Work area                 |
| Coffer dam area           |
| Trenchless exit pit inner |
| Trenchless exit pit outer |
| Drill solid area          |
| Other                     |

#### 6.2.15. JACKUP\_TASK

| Value                   |
|-------------------------|
| Foundation Installation |
| WTG Installation        |
| Component Exchange      |
| Other                   |

#### 6.2.16. LEFT\_RIGHT

| Value |
|-------|
| Left  |
| Right |

#### 6.2.17. MOBILE\_FIXED

| Value  |
|--------|
| Mobile |
| Fixed  |

#### 6.2.18. OBJ\_ACTION

| Value          |
|----------------|
| Leave in-situ  |
| Relocate       |
| Remove/Dispose |
| No action      |

#### 6.2.19. OBJ\_LOCATION\_CONFIDENCE

| Value  |
|--------|
| High   |
| Medium |
| Low    |

#### 6.2.20. OBJ\_POSITION\_STATUS

| Value             |
|-------------------|
| Original location |

|                    |
|--------------------|
| Relocated location |
|--------------------|

#### 6.2.21. OBJ\_TYPE

| Value               |
|---------------------|
| Boulder             |
| Wood                |
| Metal               |
| Archaeological find |
| Wreck               |
| Fishing equipment   |
| Disused cable       |
| Anchor chain        |
| UXO                 |
| Plastic             |
| Pipeline            |
| Clump weight        |
| Other               |

#### 6.2.22. SEABED\_CLEARANCE\_TYPE

| Value               |
|---------------------|
| Dredging collected  |
| Dredging deposited  |
| Sand wave clearance |
| Other               |

#### 6.2.23. SURVEY\_TYPE

| Value                   |
|-------------------------|
| Other Survey            |
| Post Seabed Survey Prep |
| Pre Seabed Survey Prep  |
| Pre-Lay Survey          |

#### 6.2.24. TEMPORALITY

| Value       |
|-------------|
| As Planned  |
| As Laid     |
| As Trenched |
| As Built    |
| As Found    |

#### 6.2.25. TOPSIDE\_COMPONENT\_TYPE

| Value               |
|---------------------|
| Crane               |
| Boat Landing        |
| Outline             |
| Platform North Line |
| Topside Outline     |
| WTG/Tower Door      |

#### 6.2.26. TOPSIDE\_TYPE

| Value                            |
|----------------------------------|
| Biodiversity Platform            |
| Bird Structure                   |
| Offshore Substation Topside      |
| Reactive Compensation Station    |
| Hydrogen Facility                |
| Offshore Platform Mounting Frame |
| Met Mast                         |
| Solar Facility                   |
| Battery Facility                 |
| Accommodation Platform           |
| Offshore Converter Platform      |
| Helideck                         |
| Other                            |

#### 6.2.27. UNIT\_OF\_MEASURE

| Value         |
|---------------|
| Centimetre    |
| Foot          |
| Kilometre     |
| Metre         |
| Millimetre    |
| US Foot       |
| Metre Cubed   |
| Metric Ton    |
| UK Ton        |
| US Ton        |
| Sq Millimetre |
| Sq Metre      |
| Sq Kilometre  |
| Acre          |
| Hectare       |
| Inch          |
| Degree        |
| Radian        |
| Nautical Mile |

### 6.2.28. YES\_NO

| Value |
|-------|
| Yes   |
| No    |

## Abbreviations

| Abbreviation    | Definition                                               |
|-----------------|----------------------------------------------------------|
| <b>2D</b>       | Two-dimensional                                          |
| <b>3D</b>       | Three-dimensional                                        |
| <b>ADOC</b>     | Actual Depth of Cover                                    |
| <b>ADOL</b>     | As Built Depth of Lowering                               |
| <b>AP</b>       | Asset Protection                                         |
| <b>ASB</b>      | As Built                                                 |
| <b>ASBL</b>     | As-laid Seabed Level                                     |
| <b>ASL</b>      | As Laid                                                  |
| <b>ASSETPRO</b> | Asset Protection                                         |
| <b>AST</b>      | As Trenched                                              |
| <b>BFL</b>      | Backfill Level                                           |
| <b>BND</b>      | Boundary                                                 |
| <b>CAB</b>      | Cable                                                    |
| <b>CRP</b>      | Cable Reference Point                                    |
| <b>CRS</b>      | Coordinate Reference System                              |
| <b>CT</b>       | Carbon Trust                                             |
| <b>DCC</b>      | Distance Cross Course                                    |
| <b>DOCR</b>     | Depth of Cover Requirement                               |
| <b>DOLR</b>     | Depth of Lowering Requirement                            |
| <b>EPCI</b>     | Engineering, Procurement, Construction, and Installation |
| <b>EPSG</b>     | European Petroleum Survey Group                          |
| <b>EVNT</b>     | Event                                                    |
| <b>FEED</b>     | Front-End Engineering and Design                         |
| <b>FLG</b>      | Flag                                                     |

|               |                                       |
|---------------|---------------------------------------|
| <b>FOU</b>    | Foundation                            |
| <b>GIS</b>    | Geographic Information System         |
| <b>GUS</b>    | Gusset Plate                          |
| <b>HDD</b>    | Horizontal Directional Drilling       |
| <b>HVAC</b>   | High Voltage Alternating Current      |
| <b>HVDC</b>   | High Voltage Direct Current           |
| <b>IMO</b>    | International Maritime Organization   |
| <b>INF</b>    | Infrastructure Components             |
| <b>JIP</b>    | Joint Industry Programme              |
| <b>KP</b>     | Kilometre Point                       |
| <b>MBES</b>   | Multi-Beam Echo Sounder               |
| <b>MON</b>    | Monitoring                            |
| <b>OBJ</b>    | Object                                |
| <b>OWDM</b>   | Offshore Wind Data Model              |
| <b>PCRS</b>   | Projected Coordinate Reference System |
| <b>PLGR</b>   | Pre-Lay Grapple Run                   |
| <b>POSBL</b>  | Post Seabed Level                     |
| <b>PRP</b>    | Preparation Activity                  |
| <b>PSBL</b>   | Pre Seabed Level                      |
| <b>PSC</b>    | Project Steering Committee            |
| <b>PTC</b>    | Project Technical Committee           |
| <b>QA/QC</b>  | Quality Assurance / Quality Control   |
| <b>REF</b>    | Reference and Constraints             |
| <b>ROV</b>    | Remotely Operated Vehicle             |
| <b>SBD</b>    | Seabed                                |
| <b>SBP</b>    | Seabed Preparation                    |
| <b>SRY</b>    | Survey                                |
| <b>SRYEXT</b> | Survey Extents                        |
| <b>SRYSBP</b> | Survey Seabed Preparation             |
| <b>TOC</b>    | Top of Cable                          |
| <b>TOP</b>    | Topside                               |
| <b>TP</b>     | Transition Piece                      |
| <b>TRG</b>    | Technical Review Group                |
| <b>UXO</b>    | Unexploded Ordnance                   |
| <b>VCRS</b>   | Vertical Coordinate Reference System  |
| <b>VRT</b>    | Vertical Reference                    |
| <b>VSL</b>    | Vessel                                |
| <b>WTG</b>    | Wind Turbine Generator                |

**[carbontrust.com](https://carbontrust.com)**

**+44 (0) 20 7170 7000**

Whilst reasonable steps have been taken to ensure that the information contained within this publication is correct, the authors, the Carbon Trust, its agents, contractors and subcontractors give no warranty and make no representation as to its accuracy and accept no liability for any errors or omissions. Any trademarks,

service marks or logos used in this publication, and copyright in it, are the property of the Carbon Trust. Nothing in this publication shall be construed as granting any licence or right to use or reproduce any of the trademarks, service marks, logos, copyright or any proprietary information in any way without the Carbon Trust's prior written permission. The Carbon Trust enforces infringements of its intellectual property rights to the full extent permitted by law.

The Carbon Trust is a company limited by guarantee and registered in England and Wales under Company number 4190230 with its Registered Office at: Level 5, Arbor 255, Blackfriars Rd, London SE1 9AX.

© The Carbon Trust 2026. All rights reserved.

Published in the UK: 2026