



## Explore API Documentation

# SelfService\_Core\_UnitOfMeasure

Version 0.01

Last Modified: 10/24/2023

Last Modified By: Litzy Mora

## Change Log

This changelog only contains significant or notable changes to the revision. Any editorial type changes or minor changes are not included.

| Revision | Change Date | Description                                 | Modified By  |
|----------|-------------|---|--------------|
| 0.01     | 6/19/2019   | Initial draft                               | Chase Denton |
| 0.02     | 12/13/2022  | Added relationships, sample, and validation | Litzy Mora   |

## Contents

---

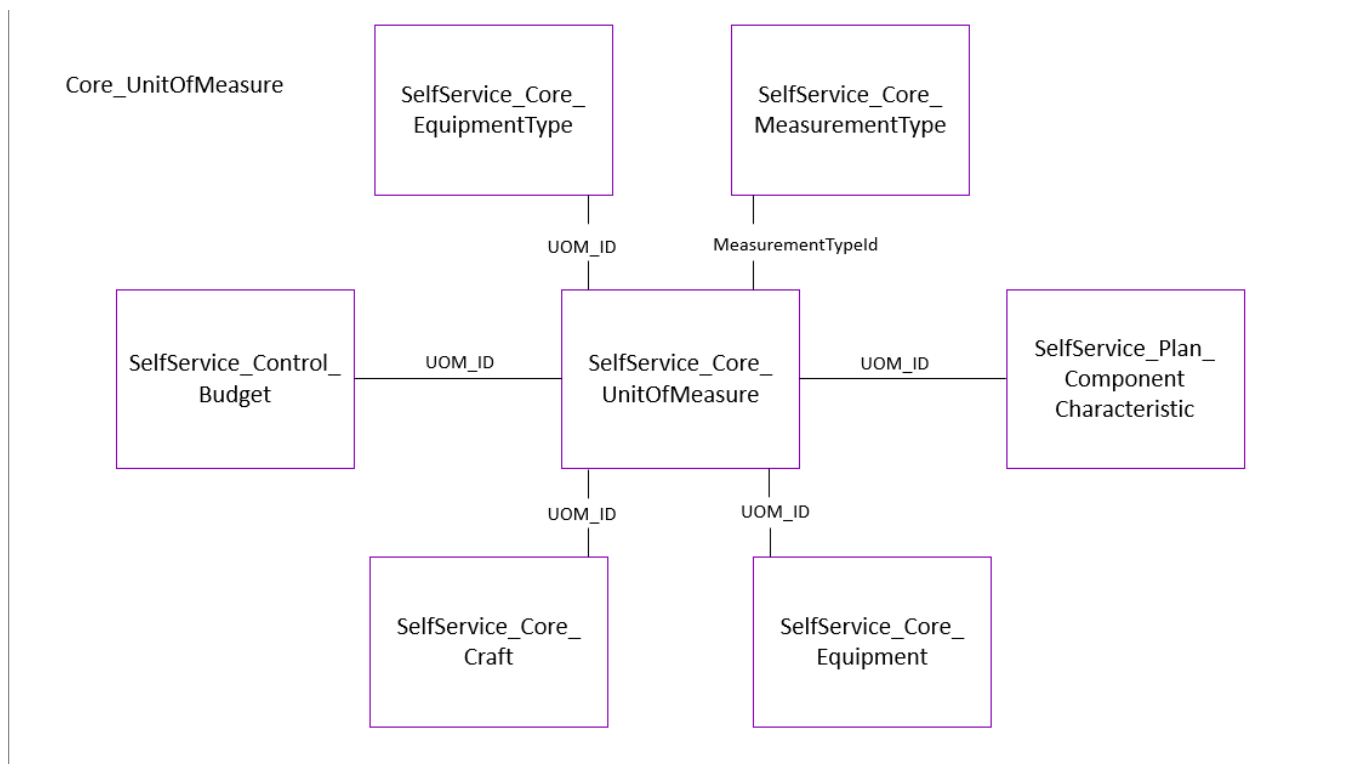
|                                     |   |
|-------------------------------------|---|
| Change Log.....                     | 2 |
| Overview.....                       | 3 |
| Relationships and Dependencies..... | 3 |
| API Detail.....                     | 4 |
| Supported Filters.....              | 4 |
| Fields.....                         | 4 |
| Field Descriptions.....             | 4 |
| Sample.....                         | 5 |
| Data Validation.....                | 5 |

## Overview

This API has the details about Unit of Measure that is used throughout the InEight Project Suite.

## Relationships and Dependencies

| From: Table                          | To: Table                                     | Relationship                                | Cardinality | Comment |
|--------------------------------------|---|---|-------------|---------|
| SelfService_Core_UnitOfMeasure (UOM) | SelfService_Plan_ComponentCharacteristic (CC) | UOM.UOM_Id=CC..UOM_Id                       | 1:M         |         |
| SelfService_Core_UnitOfMeasure (UOM) | SelfService_Control_Budget(B)                 | UOM.UOM_Id=B.UOM_Id                         | 1:M         |         |
| SelfService_Core_UnitOfMeasure (UOM) | SelfService_Core_Equipment(E)                 | UOM.UoMId=E.UOMId                           | 1:M         |         |
| SelfService_Core_UnitOfMeasure (UOM) | SelfService_Core_Equipment Type(ET)           | UOM.UoMId=ET.UOMId                          |             |         |
| SelfService_Core_UnitOfMeasure (UOM) | SelfService_Core_Measurement Type(MT)         | UOM.Measurement_type_id=MT.MeasurmentTypeld | M:1         |         |
| SelfService_Core_UnitOfMeasure (UOM) | SelfService_Core_Craft                        | UOM.Uom_Id=C.UOMId                          | 1:M         |         |



## API Detail

|                                      |   |       |
|--------------------------------------|---|-------|
| Direction                            | From Project Suite  |       |
| Pagination                           | 50,000 Rows   |       |
| Frequency                            | All Reporting APIs are used by calling a GET method at an interval determined by the customer. InEight suggests using these APIs on an infrequent basis (once per day) to avoid potential performance impact to live systems when the returned data set could be large. |       |
| Trigger Method(s)                    | All default OData filters are supported   |       |
| Average Payload Size                 | Depends on date range selected  |       |
| APIM Name                            | SelfService_Core_UnitOfMeasure  |       |
| Data Refresh/Delta/Incremental Loads | The data in this API is on a trigger-based refresh, fresh data should appear in 5 minutes or less.  |       |
| Project Suite                        | Starting Version  | 22.8  |
|                                      | Ending Version  | V1.01 |

## Supported Filters

All default OData filters are supported by this API.

## Fields

| Name                               | Type     | CharMaxLength | NumericPrecision | DatePrecision | Product | PK |
|------------------------------------|----------|---------------|------------------|---------------|---------|----|
| <b>UOMId</b>                       | bigint   | NULL          | 19               | NULL          | Core    | X  |
| <b>UoM</b>                         | nvarchar | 255           | NULL             | NULL          | Core    |    |
| <b>UoM_Abb</b>                     | nvarchar | 250           | NULL             | NULL          | Core    |    |
| <b>MeasurementTypeId</b>           | bigint   | NULL          | 19               | NULL          | Core    |    |
| <b>MeasurementSystemId</b>         | bigint   | NULL          | 19               | NULL          | Core    |    |
| <b>AlternateUOMId</b>              | bigint   | NULL          | 19               | NULL          | Core    |    |
| <b>BaseUOMName</b>                 | nvarchar | 255           | NULL             | NULL          | Core    |    |
| <b>DefaultAlternateMeasurement</b> | nvarchar | 255           | NULL             | NULL          | Core    |    |

## Field Descriptions

| Name         | Description                   | Example |
|--------------|-------------------------------|---------|
| <b>UOMId</b> | System generated code for UoM | 1,2,3   |

|                                    |   |             |
|------------------------------------|---|-------------|
| <b>UoM</b>                         | The text name / description of the UoM                          | Acre        |
| <b>UoM_Abb</b>                     | The abbreviation for the UoM                                    | ACR         |
| <b>MeasurementTypeId</b>           | Corresponds to the type of measurement for the UoM              | 7           |
| <b>MeasurementSystemId</b>         | Corresponds to the system of measurement for the UoM            | 3           |
| <b>AlternateUOMId</b>              | The default alternative for the UoM record                      | 10          |
| <b>BaseUOMName</b>                 | The base UoM for the selected UoM record                        | Cubic Meter |
| <b>DefaultAlternateMeasurement</b> | The default alternative measurement for the selected UoM record | Cubic Yard  |

### Sample

```
{
  "UoM_id":1,"UoM":"AcreTest","UoM_Abb":"ACR","Measurement_type_id":1,"Measurement_system_id":1,"Alternate_UoM_id":51,"Base_UoM_name":"Square Meter","Default_alternate_measurement":"HA"
}
```

### Data Validation

This data can be validated by navigating to master data libraries, then Unit of measures

Figure 1: Master data libraries > Unit of measures

| Name ↑                              | Description | Measurement type | Base UoM     | SKF ID | Conversion factor  | Measure |
|-------------------------------------|-------------|------------------|--------------|--------|--------------------|---------|
| <input type="checkbox"/> 79_uom_100 | 79_uom_100  | Area             | Square Meter |        | 2.000000000000     | English |
| <input type="checkbox"/> AC         |             | Area             | Square Meter | AC     | 1.000000000000     | English |
| <input type="checkbox"/> Acre       |             | Conductivity     | None         | Acre   | 1.000000000000     | English |
| <input type="checkbox"/> AcreTest   | Test        | Area             | Square Meter | ACR    | 4,046.856422400000 | English |
| <input type="checkbox"/> AU         |             | Unit             | None         | LE     | 1.000000000000     | Both    |
| <input type="checkbox"/> AUs        |             | Unit             | None         | LE     | 1.000000000000     | Both    |
| <input type="checkbox"/> Bag        | Bag         | Area             | Square Meter |        | 2.000000000000     | Metric  |
| <input type="checkbox"/> Bag1       |             | Speed            | None         | BAG    | 1.000000000000     | Both    |
| <input type="checkbox"/> Barrel     |             | Unit             | None         | BRL    | 1.000000000000     | Both    |
| <input type="checkbox"/> BF         |             | Unit             | None         | BF     | 1.000000000000     | Both    |
| <input type="checkbox"/> BGSF       |             | Area             | Square Meter | BSF    | 0.092903040000     | English |
| <input type="checkbox"/> Board Feet |             | Area             | Square Meter |        | 4,046.856422000000 | English |
| <input type="checkbox"/> BOX        |             | Unit             | None         | BOX    | 1.000000000000     | Both    |
| <input type="checkbox"/> BOXes      |             | Unit             | None         | BOX    | 1.000000000000     | Both    |
| <input type="checkbox"/> BT         |             | Unit             | None         | BOT    | 1.000000000000     | Both    |