Explore API Documentation

SelfService_Estimate_UnitOfMeasure

Version 2.0

Last Modified: 10-Dec-2025

Last Modified By: Litzy Mora

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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
1.0	31-Mar-2022	Initial draft	Natalie Takacs
2.0	10-Dec-2025	Updated data refresh	Litzy Mora

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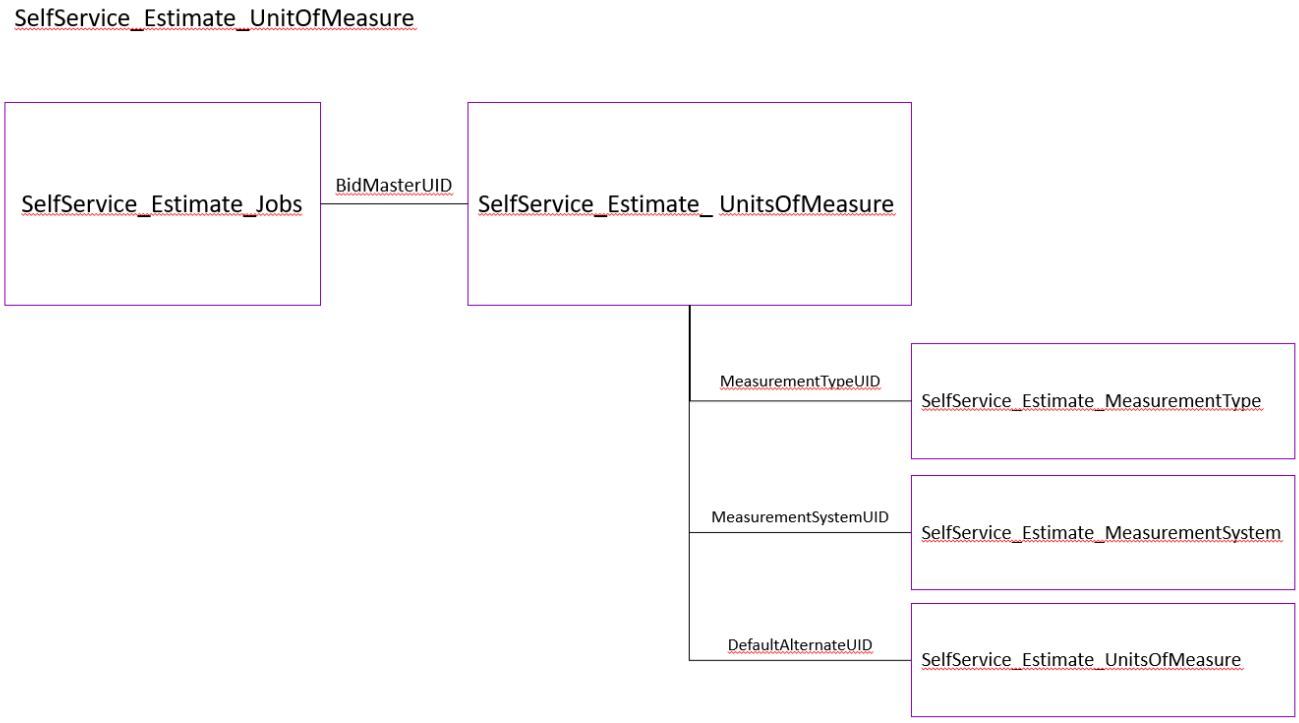
Overview

The ***SelfService_Estimate_UnitOfMeasure*** API provides the list of Units of Measure defined for each job.

Quantity values stored in the database are stored in their base measurement units and corresponding values displayed in the application are modified based on the conversation factor of the items unit of measure

Relationships and Dependencies

From: Table	To: Table	Relationship	Cardinality[1]	Comment
UnitsOfMeasure (UM)	Jobs (J)	UM.BidMasterJobUID = J.BidMasterJobUID	M:1	
UnitsOfMeasure (UM)	MeasurementType (UMT)	UM.MeasurementTypeUID = UMT.UID	M:1	
UnitsOfMeasure (UM)	MeasurementSystem (UMS)	UM.MeasurementSystemUID = UMS.UID	M:1	
UnitsOfMeasure (UM)	UnitsOfMeasure (DUM)	UM.DefaultAlternateUID = DUM.UID	M:1	



API Detail

Direction	From Project Suite

[1] *1:M = One to Many, 1:1 = One to One, M:1 = Many to one*

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_Estimate_UnitOfMeasure
Data Refresh/Delta/Incremental Loads		The refresh of the data in this API is sync-based. The time it takes data to appear in this API is dependent on the load on the server at the time. If it takes more than 15 minutes, please submit a ticket with the Service Desk.
Project Suite	**Starting Version**	21.5
	Ending Version	

Supported Filters

All default OData filters are supported by this API.

Fields

Name	Type	CharMaxLength	NumericPrecision	DatePrecision	Product	PK
EstimateUnitOfMeasureId	bigint	8	19	0	Estimate	
EstimateUnitOfMeasureUF	uniqueidentifier	16	0	0	Estimate	
EstimateUnitOfMeasureUID	uniqueidentifier	16	0	0	Estimate	
Agency	nvarchar	28	0	0	Estimate	X
BaseName	nvarchar	100	0	0	Estimate	
CanBeDeleted	bit	1	1	0	Estimate	
DefaultAlternateUID	uniqueidentifier	16	0	0	Estimate	
Factor	float	8	53	0	Estimate	
EstimateMeasurementSystemUID	uniqueidentifier	16	0	0	Estimate	
EstimateMeasurementTypeUID	uniqueidentifier	16	0	0	Estimate	
Name	nvarchar	100	0	0	Estimate	
SaveID	int	4	10	0	Estimate	
UserDefined1	nvarchar	500	0	0	Estimate	
UserDefined2	nvarchar	500	0	0	Estimate	
UserDefined3	nvarchar	500	0	0	Estimate	

BidMasterJobUID	uniqueidentifier	16	0	0	Estimate	
LastUpdateID	int	4	10	0	Estimate	
IsActive	bit	1	1	0	Report	
CreatedById	bigint	8	19	0	Report	
CreatedDate	datetimeoffset	10	34	7	Report	
ModifiedById	bigint	8	19	0	Report	
ModifiedDate	datetimeoffset	10	34	7	Report	

Field Descriptions

Name	Description	Example
EstimateUnitOfMeasureId	Unique identifier assigned to each record in the table	1
EstimateUnitOfMeasureUF	System generated field, for internal use only	N/A
EstimateUnitOfMeasureUID	Unique identifier for the measurement entries in Foundation Setup Data	0255958D-7682-4D9F-BB90-D3B9CE13647A
Agency	Name of the Agency	BID
BaseName	Base Currency in which the Unit of Measure is stored	Cubic Meter
CanBeDeleted	For Internal Use Only	1- True 0- False
DefaultAlternateUID	Unique identifier for the default Alternate measurement entries in Foundation Setup Data	33AA9BC9-3822-49CA-AEE9-E674167059E1
Factor	Conversion Factor used when changing from one Unit of measure to another	0.002359737216
EstimateMeasurementSystemUID	Unique identifier for the Measurement System	340F1AD1-CF0E-427B-A526-188D980CF1B0
EstimateMeasurementTypeUID	Unique identifier for the Measurement Type	470F1AF1-CF0E-427B-A526-188D980CFCD5
Name	Unit of Measure Name	Cubic Inch
SaveID	Field for internal use only	369
UserDefined1	Description of the User defined1 field	Test 1
UserDefined2	Description of the User defined2 field	Test 2
UserDefined3	Description of the User defined3 field	Test 3

BidMasterJobUID	Job identifier of the Unit of Measure entry from the Jobs table. Not visible in the interface.	6E5BB7DD-BF42-4DB1-8393-BD78ED5D3620
LastUpdateID	Field for internal use only	1
IsActive	Indicates if record is active. Please note: records will become inactive if a user un-syncs a job from Estimate application	True = 1 False = 0
CreatedById	System generated Id, will always represent the system, not actual users. This field is for internal use only.	1
CreatedDate	Date/timestamp record is entered	2022-02-21 17:47:05.4923658 +00:00
ModifiedById	System generated Id, will always represent the system, not actual users. This field is for internal use only.	1
ModifiedDate	Date/timestamp record is modified	2022-02-21 17:47:05.4923658 +00:00

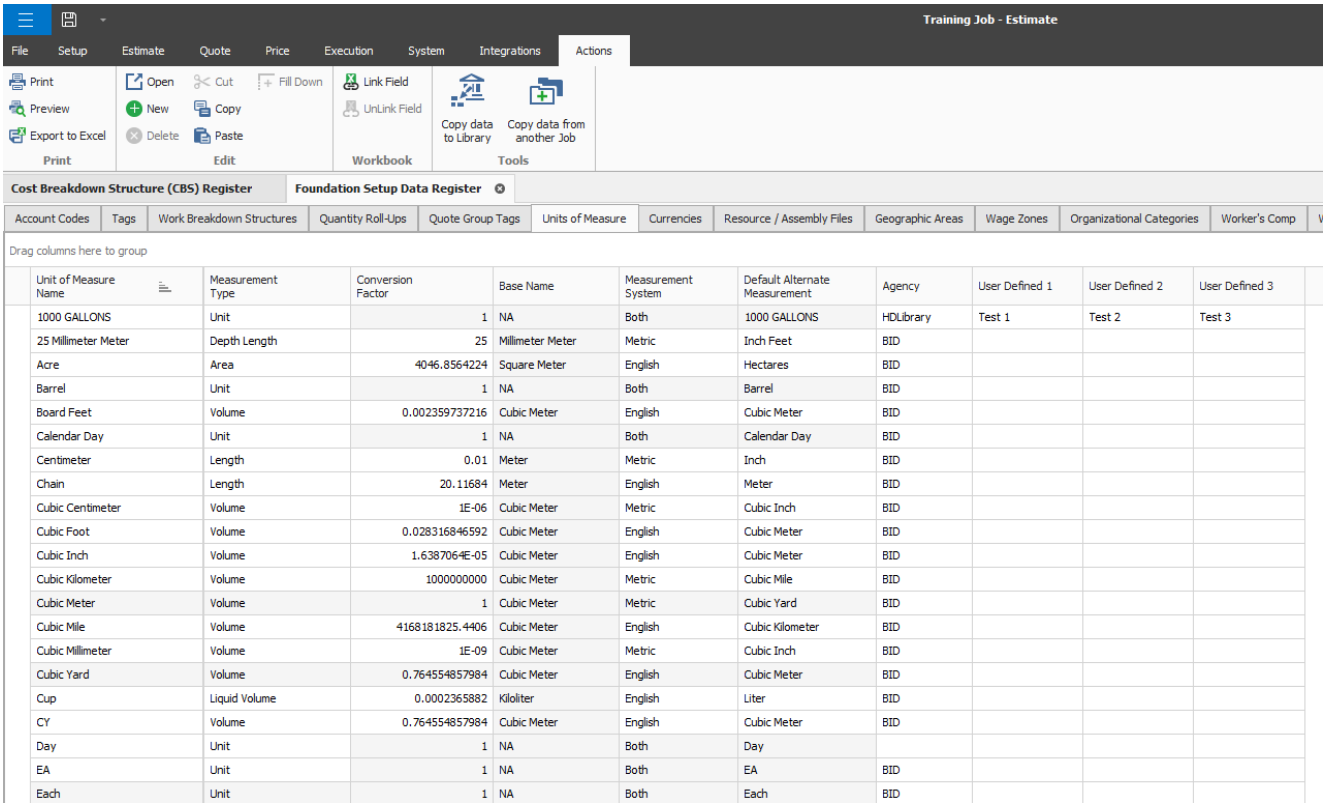
Sample


```
{"EstimateUnitOfMeasureId":7895,"EstimateUnitOfMeasureUF":"6b2c3c6c-f3c5-0c08-11c9-9d753203b780","EstimateUnitOfMeasureUID":"0255958d-7682-4d9f-bb90-d3b9ce13647a","Agency":"BID","BaseName":"Square Meter","CanBeDeleted":true,"DefaultAlternateUID":"f63f7bae-49c5-446f-9de0-091ea47e8c6e","Factor":0.09290304,"EstimateMeasurementSystemUID":"340f1ad1-cf0e-427b-a526-188d980cf1b0","EstimateMeasurementTypeUID":"460f1af1-cf0e-427b-a526-188d980cf1a1","Name":"SF","SaveID":null,"UserDefined1":null,"UserDefined2":null,"UserDefined3":null,"BidMasterJobUID":"6979a9e1-8547-4197-aa59-4eccfc10d3fa","LastUpdateID":48,"IsActive":false,"CreatedById":1,"CreatedDate":"2022-01-25T16:12:53.2682715Z","ModifiedById":1,"ModifiedDate":"2022-02-04T21:53:15.2868434Z"}
```

Data Validation

This data can be validated by navigating to the Unit of Measure tab in Foundation Setup Data tab from Setup menu in Library or Job

Figure 1: Unit of Measure tab in Foundation Setup Data



Unit of Measure Name	Measurement Type	Conversion Factor	Base Name	Measurement System	Default Alternate Measurement	Agency	User Defined 1	User Defined 2	User Defined 3
1000 GALLONS	Unit	1	NA	Both	1000 GALLONS	HDLibrary	Test 1	Test 2	Test 3
25 Millimeter Meter	Depth Length	25	Millimeter Meter	Metric	Inch Feet	BID			
Acre	Area	4046.8564224	Square Meter	English	Hectares	BID			
Barrel	Unit	1	NA	Both	Barrel	BID			
Board Feet	Volume	0.002359737216	Cubic Meter	English	Cubic Meter	BID			
Calendar Day	Unit	1	NA	Both	Calendar Day	BID			
Centimeter	Length	0.01	Meter	Metric	Inch	BID			
Chain	Length	20.11684	Meter	English	Meter	BID			
Cubic Centimeter	Volume	1E-06	Cubic Meter	Metric	Cubic Inch	BID			
Cubic Foot	Volume	0.028316846592	Cubic Meter	English	Cubic Meter	BID			
Cubic Inch	Volume	1.6387064E-05	Cubic Meter	English	Cubic Meter	BID			
Cubic Kilometer	Volume	1000000000	Cubic Meter	Metric	Cubic Mile	BID			
Cubic Meter	Volume	1	Cubic Meter	Metric	Cubic Yard	BID			
Cubic Mile	Volume	4168181825.4406	Cubic Meter	English	Cubic Kilometer	BID			
Cubic Millimeter	Volume	1E-09	Cubic Meter	Metric	Cubic Inch	BID			
Cubic Yard	Volume	0.764554857984	Cubic Meter	English	Cubic Meter	BID			
Cup	Liquid Volume	0.0002365882	Kiloliter	English	Liter	BID			
CY	Volume	0.764554857984	Cubic Meter	English	Cubic Meter	BID			
Day	Unit	1	NA	Both	Day				
EA	Unit	1	NA	Both	EA	BID			
Each	Unit	1	NA	Both	Each	BID			

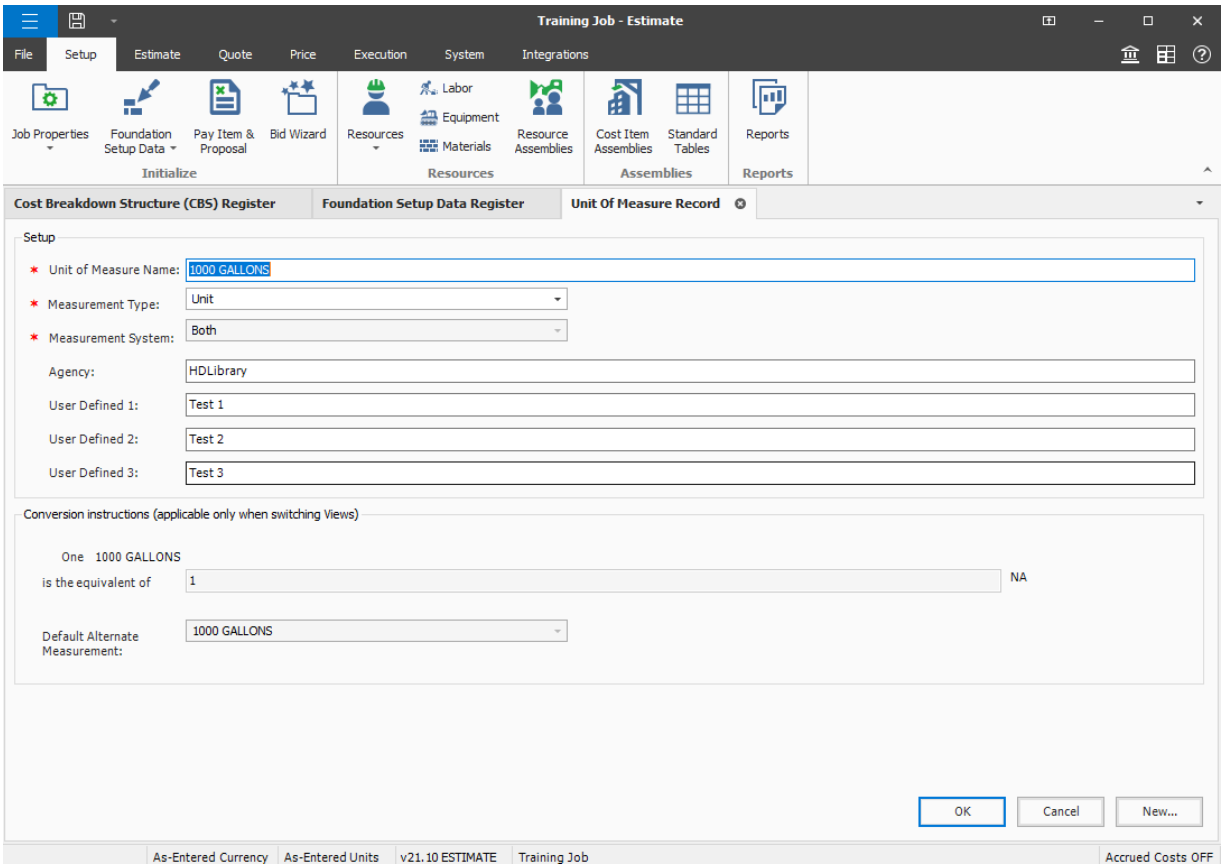



Figure 2: Unit of Measure Record