



Explore API Documentation

SelfService_Contract_DeliveryStatus Version 1.2

Last Modified: 11/14/2023

Last Modified By: Swadesh Subedi



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	6/19/2019	Initial draft	Chase Denton
1.1	10/30/2020	Addition of Bill of Material fields at 20.9 level	Natalie Takacs
1.2	01/15/2020	Added Liquidated Damages fields. Removed static LD Submittals and Deliverables fields. Added data validation detail.	Swadesh Subedi

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Overview

This API provides all deliverables for contracts along with scheduled, forecasted and delivery completed dates.

From: Table	To: Table	Relationship	Cardinality ¹	Comment
Contract_DeliveryScheduleItem (DSI)	Contract_ContractDetail (CD)	CD.ContractDetailId = DSI.ContractDetailId	1:M	Id, Line Item Code
Contract_ContractDetail (CD)	Contract_Contract (C)	C.ContractId = CD.ContractId	1:M	Id, Liquidated Damages
Contract_Contract (C)	Contract_Project (P)	P.ProjectId = C.ProjectId	1:M	Id, Display, Name, Organization Id
Contract_DeliveryScheduleItem (DSI)	Contract_DeliveryType (DT)	DT.DeliveryTypeId = DSI.DeliveryTypeId	1:M	Name
Contract_ContractDetail (DSI)	Contract_UnitOfMeasure (UOM)	UOM.UOMId = CD.UOMId	1:M	Name

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_Contract_DeliveryStatus	
Data Refresh/Delta/Incremental Loads	This API must be run as a full refresh each time; the data in this API refreshes every 15-20 minutes	
Project Suite	Starting Version	V1.0
	Ending Version	V1.2

Supported Filters

All default OData filters are supported by this API.

¹ 1:M = One to Many, 1:1 = One to One, M:1 = Many to one

Fields

Column Name	Data Type	Char Max Length	Numeric Precision	Numeric Scale	Date Precision	Is Nullable	PK
DeliveryScheduleItemId	bigint	NULL	19	0	NULL	0	X
DeliverableDescription	nvarchar	500	NULL	NULL	NULL	1	
ContractId	bigint	NULL	19	0	NULL	1	
ContractDetailId	bigint	NULL	19	0	NULL	1	
LineItemCode	nvarchar	50	NULL	NULL	NULL	1	
ProjectId	bigint	NULL	19	0	NULL	1	
ProjectDisplay	nvarchar	200	NULL	NULL	NULL	1	
ProjectName	nvarchar	300	NULL	NULL	NULL	1	
OrganizationId	bigint	NULL	19	0	NULL	1	
DeliveryTypeId	bigint	NULL	19	0	NULL	1	
DeliveryTypeName	nvarchar	50	NULL	NULL	NULL	1	
LiquidatedDamagesOverallICapPercent	decimal	NULL	16	5	NULL	1	
LiquidatedDamagesOverallICapValue	decimal	NULL	16	5	NULL	1	
DeliveryTypeCapPercent	decimal	NULL	16	5	NULL	1	
DeliveryTypeCapValue	decimal	NULL	16	5	NULL	1	
Quantity	decimal	NULL	16	5	NULL	1	
UOMName	nvarchar	255	NULL	NULL	NULL	1	
UnitPrice	decimal	NULL	16	5	NULL	1	
Delivered	bit	NULL	NULL	NULL	NULL	1	
ContractualDueDate	datetime	NULL	NULL	NULL	3	1	
NeededByDate	datetime	NULL	NULL	NULL	3	1	
ForecastedDeliveryDate	datetime	NULL	NULL	NULL	3	1	
ActualDeliveryDate	datetime	NULL	NULL	NULL	3	1	
Float	int	NULL	10	0	NULL	1	
ContractualDaysLate	int	NULL	10	0	NULL	1	
ContractualDueDaysRemaining	int	NULL	10	0	NULL	1	
ForecastDeliveryDaysRemaining	int	NULL	10	0	NULL	1	
LDsPerDay	decimal	NULL	19	5	NULL	1	
AccruedLD	decimal	NULL	30	5	NULL	1	
Tag	nvarchar	250	NULL	NULL	NULL	1	
Size	nvarchar	250	NULL	NULL	NULL	1	
Class	nvarchar	250	NULL	NULL	NULL	1	
Type	nvarchar	250	NULL	NULL	NULL	1	
Material	nvarchar	250	NULL	NULL	NULL	1	
NameplateHP	nvarchar	250	NULL	NULL	NULL	1	
NameplateVoltage	nvarchar	250	NULL	NULL	NULL	1	
DeliveryLocation	nvarchar	250	NULL	NULL	NULL	1	
IsActive	bit	NULL	NULL	NULL	NULL	0	
CreatedDate	date	NULL	NULL	NULL	0	1	
ModifiedDate	datetime offset	NULL	NULL	NULL	7	1	

Field Descriptions

Name	Description	Example
DeliveryScheduleItemId	System generated code for a delivery schedule item	1,2,3
DeliverableDescription	Description of the delivery item	Receive 136 RE CWR to Post Siding
ContractId	System generated code for a contract	7300000097
ContractDetailId	System generated code for contract detail	6351
LineItemCode	Line item code. Starts with 001 for each Contract.	0001
ProjectId	System generated code for a project	1
ProjectDisplay	Project display number	103655
ProjectName	Name of the project	TP - San Angelo
OrganizationId	System generated code for an organization	122
DeliveryTypeId	Delivery type identifier	2
DeliveryTypeName	Delivery type name	Engineering submittals
LiquidatedDamagesOverallCapPercent	LD overall cap percent	5
LiquidatedDamagesOverallCapValue	LD overall cap value	5000
DeliveryTypeCapPercent	Cap percent for the delivery type	3
DeliveryTypeCapValue	Cap value for the delivery type	4000
Quantity	Quantity being delivered	1.00000
UOMName	Name of the unit of measure	Lump Sum
UnitPrice	Price of the unit	100.00000
Delivered	Whether the item has been delivered or not	1
ContractualDueDate	Due date within the contract	2020-03-15 05:00:00.000
NeededByDate	Date that the item is needed by	2019-08-09 05:00:00.000
ForecastedDeliveryDate	Date the item is projected to arrive	2018-04-06 05:00:00.000
ActualDeliveryDate	Date the item is delivered	2018-07-10 18:30:00.000
Float		39
ContractualDaysLate	Number of days late from when the contract said the delivery was due	180
ContractualDueDaysRemaining	Contractual due date – Today’s date (for pending deliveries)	180
ForecastDeliveryDaysRemaining	Forecasted delivery date – Today’s date (for pending deliveries)	180
LDsPerDay	Compensation amount to be assessed per day for failure of	2000.00000

	delivery by contractual due date	
AccruedLD	Number of days past contractual due days X LD per day	860000.00000
IsActive	Indicates if the record is active or has been soft deleted	Active = 1, Inactive = 0
CreatedDate	Date when the object was created	2018-07-25 09:24:29.8789140 +00:00
ModifiedDate	Date when the object was last modified	2018-07-23 10:32:13.0065746 +00:00

Sample

```
{
  "DeliveryScheduleItemId":1,"DeliverableDescription":"delivery of
stuff","ContractId":7100000001,"ContractDetailId":3,"LineItemCode":"0001","ProjectI
d":1,"ProjectDisplay":"!!!Report testing!!!!!!","ProjectName":"New
Projects","OrganizationId":130,"DeliveryTypeId":1,"DeliveryTypeName":"Delivery","Li
quidatedDamagesOverallCapPercent":null,"LiquidatedDamagesOverallCapValue":null,"Del
iveryTypeCapPercent":null,"DeliveryTypeCapValue":12132.00000,"Quantity":1.00000,"UO
MName":"MR Bulk EQ_A
6","UnitPrice":100.00000,"Delivered":false,"ContractualDueDate":"2017-11-
17T06:00:00Z","NeededByDate":"2017-11-16T06:00:00Z","ForecastedDeliveryDate":"2017-
11-16T06:00:00Z","ActualDeliveryDate":null,"Float":-
1156,"ContractualDaysLate":1155,"ContractualDueDaysRemaining":1155,"ForecastDeliver
yDaysRemaining":1156,"LDsPerDay":1.00000,"AccruedLD":1155.00000,"Tag":null,"Size":n
ull,"Class":null,"Type":null,"Material":null,"NameplateHP":null,"NameplateVoltage":
null,"DeliveryLocation":null,"IsActive":true,"CreatedDate":"2017-11-
17","ModifiedDate":"2020-12-10T21:16:17.4138066Z"
}
```

Data Validation

Deliveries are associated with line items. All deliveries on a line item can be accessed from the Delivery Schedule section in the Line Item page.

The screenshot shows a software interface for contract management. At the top, there are navigation tabs for 'Contracts', 'Contract', and 'Contracts'. Below this, a breadcrumb trail shows 'Contracts > 7200000013 - Electric Company of Omaha / Independent Inve... > DUS &'. A horizontal menu contains several options: 'Actions', 'HEADER', 'LINE ITEMS' (which is selected), 'VENDOR CHANGE ORDER LOG', 'BACK CHARGES', 'PAYMENT FORMS', 'PAYMENT PROGRESS', 'SUPPORTING DOCUMENTS', and 'WORKFLOW ASSIGNMENTS'. Below the menu, there is a section titled '0001 - Electrical- Payable Costs'. The main content area is a 'Delivery Schedule' table with the following columns: ID, Deliverable description, Quantity, UoM, Unit price, Delivered, Actual delive..., and Float. The table contains two rows: one with ID '0001', description 'test', quantity '0', unit price '& 0.00', and float '0 day(s)'; and another with ID '0002', description 'test', quantity '0', unit price '& 0.00', and float '0 day(s)'. The first row is selected with a blue highlight.

