



Explore API Documentation

Control CBS Tag Reporting Version 1.2

Last Modified: 11/30/2022

Last Modified By: Natalie Takacs



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	2/23/2021	Initial draft	Natalie Takacs
1.1	10/18/2022	Added more information about why this is needed	Natalie Takacs
1.2	11/30/2022	Added Reporting Example section and updated the name of the document to better reflect its purpose	Natalie Takacs

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Overview

The SelfService_Control_CostItemDetail API was built before Control allowed custom labels to be assigned to CBS tags. As such, the tags in this API have retained their old names as they used to persist through the system. As a note, this only impacts some, not all CBS tags. This API maintains the “legacy” naming conventions for two reasons:

1. The tool we use to build and maintain the APIs cannot dynamically change columns as they are changed in the system
2. We try to avoid breaking changes whenever possible, changing the column headers in this API would effectively break any downstream reporting that depends on this API

The following table gives the mapping information to the generic tag labels in the Control user interface (before custom labels are applied).

Tag/User Defined in UI	Reporting label in API
CBS Tag 1	Area
CBS Tag 2	Phase
CBS Tag 3	WorkType
CBS Tag 4	Estimator
CBS Tag 5	EstimateTag1
CBS Tag 6	EstimateTag2
CBS Tag 7	D_Group
CBS Tag 8	Tag8
CBS Tag 9	RiskLevel
CBS Tag 10	IssueNumber
CBS Tag 11	CCO
CBS Tag 12	SAPStatusControl
CBS Tag 13	WBSClientCode1
CBS Tag 14	WBSClientCode2
CBS Tag 15	Rework
CBS Tag 16	DistrictSpecificTag16
CBS Tag 17	Tag17
CBS Tag 18	Tag18
CBS Tag 19	DistrictSpecificTag19
CBS Tag 20	RollupCompare
CBS Tag 21	Tag21
CBS Tag 22	Tag22
CBS Tag 23	Tag23
CBS Tag 24	Tag24
CBS Tag 25	Tag25
CBS User Defined 1	RiskDescription
CBS User Defined 2	Superintendent
CBS User Defined 3	DistrictSpecificUserDefined3
CBS User Defined 4	UserDefined4

CBS User Defined 5	Userdefined5
CBS User Defined 6	Userdefined6
CBS User Defined 7	Userdefined7
CBS User Defined 8	Userdefined8
CBS User Defined 9	WorkPlanID
CBS User Defined 10	HideinPOD
CBS User Defined 11	UserDefined11
CBS User Defined 12	UserDefined12
CBS User Defined 13	UserDefined13
CBS User Defined 14	UserDefined14
CBS User Defined 15	UserDefined15

Reporting Example

SelfService_Control_CostItemDetail API reports the Ids for the values assigned to the tags, but not the actual values assigned to the tags, themselves. To report on the tag value assigned to a specific Cost Item, WBS Phase Code, CBS item, etc.. you will need to join SelfService_Control_CostItemDetail to SelfService_Control_CostItemCharacteristicTypeList on the desired tag field you are looking to report on. Please see the example below.

This example will illustrate reporting on CBS Tag 17 for CBS item 9.1.1.

The screenshot displays the InEight Central interface. On the left, a 'Tasks' table lists various items, with '9.1.1 Instrumentation C...' selected and highlighted in blue. The 'Task details' panel shows 'Resources' and 'Forecast (T70) qty'. On the right, the '1497 Instrumentation Checks' details panel is open, showing a grid of dropdown menus for 'CBS tag' fields. The 'CBS tag 17' dropdown is highlighted with a red box, showing the selected value 'Startup 2'.

In Power BI, you will need to connect to the SelfService_Control_CostItemDetail and SelfService_Control_CostItemCharacteristicTypeList APIs. Then create a join between SelfService_Control_CostItemCharacteristicTypeList.Cost_item_characteristic_type_list_id and SelfService_Control_CostItemDetail.Tag_17 (or the desired tag).

Then, pull the desired fields into your canvas to start creating your report. To get the desired tag values, the report will need a filter on SelfService_Control_CostItemCharacteristicTypeList .Cost_item_characteristic_type_name, shown in the slicer visual in the screenshot below.

Cost_item_id	CBS_position	WBS_phase_code	List_value
13638	14.6	1740	Startup 2
13645	15.7	1815	Startup 2
13656	17.9	1917	Startup 2
13721	9.1.1	1497	Startup 2
13722	9.1.2	1498	Startup 2
13723	9.1.3	1499	Startup 2
13724	9.1.4	1500	Startup 2
13725	9.2.1	1502	Startup 2
13726	9.3.1	1504	Startup 2
20930	13.6	1740	Startup 2
20937	14.7	1815	Startup 2
20948	16.9	1917	Startup 2
21013	8.1.1	1497	Startup 2
21014	8.1.2	1498	Startup 2
21015	8.1.3	1499	Startup 2
21016	8.1.4	1500	Startup 2
21017	8.2.1	1502	Startup 2
21018	8.3.1	1504	Startup 2
13601	6.1	1133	Rigger
13604	7.1	1149	Rigger
13607	8.1	1204	Rigger
13614	10.1	1506	Rigger
20893	5.1	1133	Rigger
20896	6.1	1149	Rigger
20899	7.1	1204	Rigger
20906	9.1	1506	Rigger
19791	3.8.1	1248	NEED ACCT CODE
19804	4.6.1	1293	NEED ACCT CODE
19828	5.8.1	1363	NEED ACCT CODE
19941	3.1.1.3	1200	NEED ACCT CODE