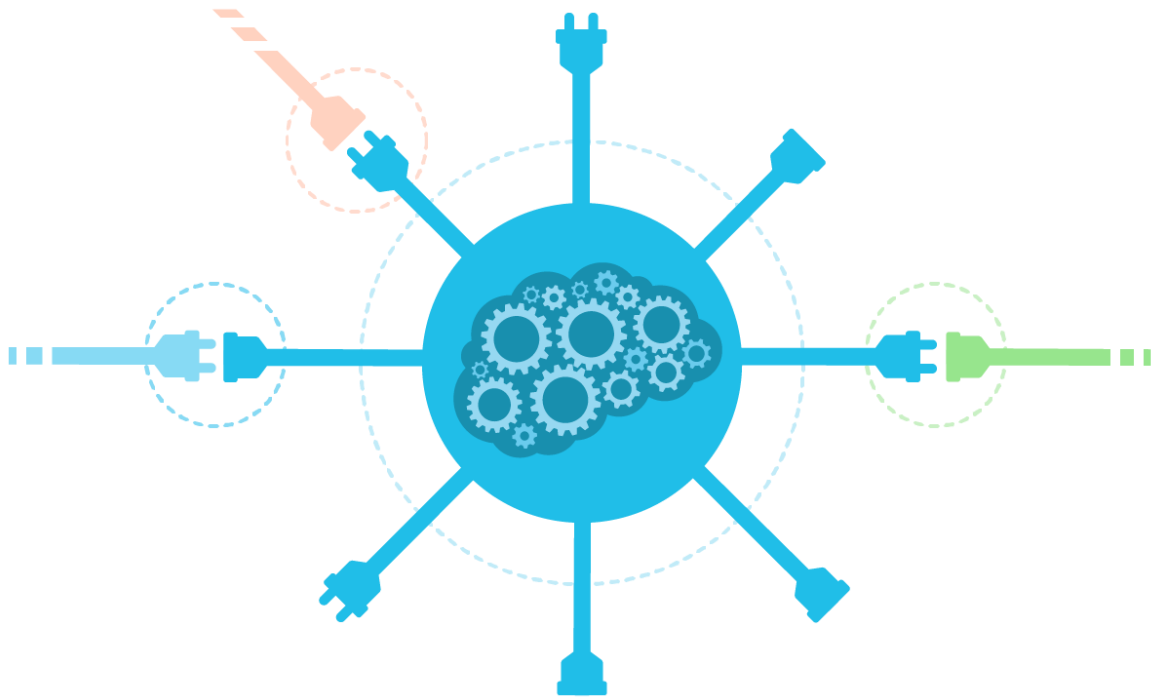




PMWeb API Reference Guide - Proprietary and Confidential

Version 6.0

While every effort has been made to ensure the accuracy of the information in this document, PMWeb provides this information without any guarantee whatsoever, including, but not limited to, the implied warranties of merchantability or fitness for a particular purpose.

Copyright © PMWeb 2018. All rights reserved. This document, or any part thereof, may not be reproduced or transmitted in any form or by any means, electronic or mechanical, including photocopying, recording, storage in an information retrieval system, or otherwise, without express written permission of PMWeb, Inc. Names and logos mentioned herein may be trademarks of their respective owners.

Table of Contents

Release Notes	9
Introduction	12
Getting Started.....	12
Installingthe PMWeb API	12
Connecting to the PMWeb API.....	12
List of Record Types Handled.....	13
Sample Code	15
Classes	18
PMWebCredentials.....	18
ResultInfo	18
Portfolio	19
ProjectWBSInfo.....	19
ProgramWBSInfo	19
RequisitionCodeInfo	19
ProjectTaskInfo.....	19
ProjectInfo	19
CompanyInfo	20
AddressInfo.....	20
DepartmentInfo.....	20
ContactInfo	21
InsuranceInfo	21
ProgramInfo	21
ProjectPeriods.....	21
PeriodsInfo.....	21
ListInfo	22
AccountListItemInfo.....	22
BillingTermsListItemInfo	22
ClausesListItems	23
Planning	23
ItemInfo	23
Engineering Forms	24
CorrespondenceInfo.....	24

CausesInfo	24
WitnessesInfo.....	24
PeopleInvolvedInfo.....	25
SafetyFormsInfo	25
PunchListInfo.....	26
PunchListDetailInfo	27
ActionItemInfo.....	27
ActionItemDetailInfo	27
DrawingSetsInfo	28
DrawingSetsDetailsInfo	28
SubmittalItemInfo	28
TransmittalsInfo	29
TransmittalsDetailInfo	29
MeetingMinutesInfo	30
MeetingMinutesDetailInfo.....	30
MeetingMinutesDetailContacts	30
SubmittalSetInfo	31
SubmittalSetDetailInfo	31
SubmittalsInfo.....	32
SubmittalDetailsInfo	32
DrawingListInfo.....	32
DrawingListDetailInfo	33
RFIInfo	33
Cost Management.....	34
APPaymentInfo.....	34
APPaymentDetailInfo	34
ARPaymentInfo	35
ARPaymentDetailInfo.....	35
ARPaymentBatchesInfo.....	36
ARPaymentBatchesDetailInfo	36
APPaymentBatchesInfo	37
APPaymentBatchesDetailInfo	37
CostCodeInfo	38
CostCodeLevelsInfo	38

CostCodeLevelDetail	38
CostCodeDetailInfo	39
CostLedgerDetail	39
JournalEntryInfo	39
JournalEntryDetailInfo	40
BudgetRequestInfo	40
BudgetRequestDetailInfo	41
BudgetInfo	41
BudgetDetailInfo	42
MiscInvoiceInfo	42
MiscInvoiceDetailInfo	43
CommitmentInfo	43
CommitmentDetailInfo	43
CommitmentCOInfo	44
CommitmentCODetailInfo	44
ProgressInvoiceInfo	45
ProgressInvoiceDetailInfo	45
Asset Management	46
PropertyInfo	46
BuildingInfo	46
FloorInfo	47
SpaceInfo	47
EquipmentInfo	48
EquipmentLogInfo	48
WorkOrderInfo	49
WorkOrderResourcesInfo	49
WorkRequestInfo	50
Toolbox	51
TimeSheetsInfo	51
TimeSheetsDetailInfo	51
Global Tabs	53
NotesInfo	53
Note	53
SpecificationGroupInfo	53

SpecificationInfo	53
AttachmentInfo	54
Attachment.....	54
ClausesInfo	54
Clause	54
AdjustmentInfo	55
Adjustment.....	55
CheckListsInfo	56
CheckListTask	56
CheckListStep	56
Operations.....	57
Projects Operations	57
Operations List.....	57
Operations.....	58
Programs	63
Operations List.....	63
Operations.....	64
Companies.....	67
Operations List.....	67
Operations.....	69
PMWeb Lists.....	74
Operations List.....	74
Operations.....	75
Advanced PMWeb Lists.....	78
Operations List.....	78
Operations.....	80
Items.....	87
Operations List.....	87
Operations.....	87
Correspondence.....	91
Operations List.....	91
Operations.....	91
Daily Report Operations.....	94
Operations List.....	94

Action Items Operation	99
Operations List.....	99
Operations.....	99
Drawing Sets Operation	103
Operations List.....	103
Operations.....	104
SafetyForms	108
Operations List.....	108
Operations.....	109
Punchlist Operations	114
Operations List.....	114
Operations.....	115
Submittal Items Operations	119
Operations List.....	119
Operations.....	119
Transmittals Operations	122
Operations List.....	122
Operations.....	122
Meeting Minutes Operations	126
Operations List.....	126
Operations.....	127
Submittal Sets Operations	132
Operations List.....	132
Operations.....	132
OnlineSubmittals.....	139
Operations List.....	139
Operations.....	139
Drawing Lists	143
Operations List.....	143
Operations.....	143
RFI Operations	147
Operations List.....	147
Operations.....	147
AP Payments	151

Operations List.....	151
Operations.....	151
AR Payments Operation.....	155
Operations List.....	155
Operations.....	155
AP Payment Batches Operation	159
Operations List.....	159
Operations.....	159
AR Payment Batches Operation.....	164
Operations List.....	164
Operations.....	165
BudgetRequests Operations	170
Operations List.....	170
Operations.....	170
Commitments Operations.....	176
Operations List.....	176
Operations.....	177
Commitment CO Operations.....	183
Operations List.....	184
Operations.....	184
Progress Invoice Operations.....	191
Operations List.....	191
Operations.....	191
Cost Code Operations.....	197
Operations List.....	198
Operations.....	198
Cost Ledger Operations.....	202
Operations List.....	202
Operations.....	202
Journal Entries Operations	205
Operations List.....	205
Operations.....	205
MiscellaneousInvoices Operations	209
Operations List.....	209

Operations.....	210
Budgets Operations	216
Operations List.....	216
Operations.....	216
Change Events.....	221
Operations List.....	221
Operations.....	221
Periods Operations	222
Operations List.....	222
Operations.....	222
Locations Operations.....	223
Operations List.....	224
Operations.....	224
Buildings Operations.....	227
Operations List.....	227
Operations.....	227
Floors Operations	230
Operations List.....	230
Operations.....	230
Spaces Operations	232
Operations List.....	232
Operations.....	233
Equipments Operations	235
Operations List.....	235
Operations.....	236
WorkOrders Operations	241
Operations List.....	241
Operations.....	241
WorkRequests Operations.....	246
Operations List.....	246
Operations.....	246
Timesheets Operations	249
Operations List.....	249
Operations.....	249

Global Tabs Operations.....	254
Operations List.....	254
Operations.....	255
REST	268
Login.....	268

Release Notes

Version 4.6.6 (2014-09-25)

- Record Types: Items, Programs, Change Events are now handled in the PMWeb API
- CostLedgerInfo class was dropped. CostLedgerDetail Classes
- ChangeEvent function added
 - o UpdateDescription
- AddProgressInvoice was Updated to include all the Header fields
- UpdateCompanies has been updated:
 - o ContactInfo and AddressInfo Classes with system Id = - 1 will be added.
 - o Contacts that are not included in the ContactInfo list will be deleted from PMWeb Database.
- LastUpdateDate and LastUpdateBy Fields were added to all RecordTypes info classes.

Version 4.6.7 (2014-10-24)

- Few Bug fixes
- In **Utilities**, all operations now check whether or not the provided PMWeb System Id(s) exist in PMWeb before proceeding.
- Project field is now validated for whether or not the related project is active or not. If the project is not active, this will report the error.
- UpdateBudgetRequestDescription Operation has been added to BudgetRequests web service.

Version 4.6.10 (2014-12-30)

- New Record Types are now handled in the PMWeb API:
 - o Timesheets
 - o Periods
 - o Buildings
 - o Floors
 - o Spaces
 - o Equipment
 - o Work Orders
 - o Work Requests
- The API now validates if the Record ID exist before proceeding the operation. If the ID doesn't exist, the API will report the error.
- Few bug fixes and enhancements

Version 4.6.12 (2015-01-30)

- New Record Types are now handled in the PMWeb API:
 - o RFI

- Safety Forms
 - Correspondence
 - Daily Reports
 - Drawing Sets
 - Drawing Lists
 - Action Items
 - Punch Lists
 - Submittal Items
 - Submittal Sets
 - Transmittals
 - Meeting Minutes
 - Online Submittals
- ProgressInvoiceDetailInfo Class now contains new Properties:
 - *_CommitmentDetailId* , *_CommitmentCODetailId*, *_ChangeEventDetailId* which helps in mapping
 - *UseQuantityForCalculation* which indicates whether “CurrentQuantity” field needs to be used for calculation, else “CurrentInvoice” will be used

Version4.6.15 (2015-03-17)

- Fixed: Adding Journal Entry record with an approved status posts pending cost ledger line.
- Few minor bug fixes.

Version4.6.21 (2015-05-26)

- “UseQuantityForCalculation” in Progress invoice is now “UseUnits”.
- Adding “Use Units” fields for Cost Management Record Types which indicates whether the Detail line calculation should be based on the total or on the Unit Cost
- Some of the Total Amount fields are not read only anymore (to reflect the “UseUnits” feature) and therefore lost the leading underscore (_).
- LinkChangeOrder Web Method was added for Progress Invoice
- Create Next Progress Invoice was added for Progress Invoice.
- Invoice Type filtering was added for getProgressInvoices Web Method.
- Few minor bug fixes.

Version5.0.04 (2016-10-07)

- Fixed: GetDocumentAttachments Method not providing Filename and FileExtension.
- Added: Cost Ledger Converted Table.
- Fixed: Error When Calling API_GetCommitments due to multiple Procurement Revision linked to the same Commitment.
- Few minor bug fixes.

Version5.1.04 (2017-03-06)

- UpdateProgressInvoiceDetails method is now unable to update cost type.
- Fixed: When using AddOnlineSubmittals method document number must be unique.
- Fixed: AddSubmittalSets method giving invalid category msg for a valid one.
- Removed inactive field from submittal sets.
- Added: Portfolio Lists.
- Fixed : AddOnlineSubmittalDetails method giving invalid project msg for a valid one.
- Fixed: AddSubmittalDetail and UpdateSubmittalDetail methods manufacturer field always empty.
- Fixed: AddSubmittalItems method the submittal Status field isn't being added.

- Few minor bug fixes.
- Fixed: GetMiscInvoices() method Not Retrieving Misc invoice Details.

Version6.0.02 (2017-03-06)

Added rest protocol to the PMWeb API.

Introduction

The PMWeb API is a website containing multiple web services that works outside of PMWeb and allows other platforms to communicate with and execute operations within the PMWeb application. Platforms are able to read, create, update and delete various PMWeb record types.

Note: The PMWeb API only works with PMWeb version 4.6.5 and

Getting Started

The API has its own license and URL address to which any application should connect before performing any operation. It is structured into PMWeb Modules and Record Types so that each record type has its own .asmx file <http://Domain/Module/RecordType.asmx>.

Installing the PMWeb API

Create a new directory in C:\inetpub\wwwroot independent from the PMWeb Application files into which you copy the collected PMWeb API files. Add the directory in IIS and assign to it a separate application pool. Start the designated application pool to run the service.

Note: The PMWeb API is version-dependent. The version number of the API must match the version of the PMWeb application it is connecting to.

Connecting to the PMWeb API

To connect to the API you need to add a Web Reference in the Web-based or Windows-based application. The Web reference includes the URL that targets the .asmx that handles the operations on the PMWeb record type needed.

Example: If you need to execute operations on PMWeb record type "Companies" you need to add a web reference having the URL:

List of Record Types Handled

This release of the PMWeb API includes these record types:

- ❖ Portfolio
 - Projects
 - Programs
 - Periods
 - Companies
 - Addresses
 - Departments
 - Contacts
 - Insurance
- ❖ Engineering Forms
 - RFI
 - Safety Forms
 - Correspondence
 - Daily Reports
 - Drawing Sets
 - Drawing Lists
 - Action Items
 - Punch Lists
 - Submittal Items
 - Submittal Sets
 - Transmittals
 - Meeting Minutes
 - Online Submittals
- ❖ Cost Management
 - AP Payments
 - AP Payment Batches
 - AR Payments
 - AR Payment Batches
 - Budgets
 - Budget Requests
 - Change Events
 - Commitments
 - Commitment CO
 - Cost Codes
 - Cost Ledgers
 - Journal Entries
 - Miscellaneous Invoices
 - Progress Invoices
- ❖ Asset Management
 - Locations
 - Buildings
 - Floors
 - Spaces
 - Equipment
 - Work Orders
 - Work Requests



Planning

- Items
- ❖ Toolbox
 - Timesheets
- ❖ Global Tabs (where they exist)
 - Attachments
 - Adjustments
 - Specifications
 - Clauses
 - Checklists
 - Notes

Sample Code

Assuming that the PMWeb API, to which an application wishes to connect, has been added as a web reference in the Application, few sample codes are given to demonstrate how to use web service methods

Adding Company using [AddCompany](#) Method

VB Code

```
PrivateSub btnAddCompany_Click(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles btnAddCompany.Click

    'API is the Name of the WebReference added that is linked to the PMWeb API.
    'Declare a new instance of PMWebCredentials Class
Dim wscHeader AsNew API.PMWebCredentials
    wscHeader.Username = "Username"
    wscHeader.Password = "Password"
    wscHeader.DatabaseName = "DatabaseName"

    'Declare an instance of the Web Service Class
Dim ws AsNew API.Companies

Dim objCompany AsNew API.CompanyInfo
Dim objResult() As API.ResultInfo
With objCompany
    .CompanyID = "PMWebTest"
    .Name = "PMweb Company"
    .Country = "France"
    .Type = "Architect"
    .ClientId = "Comp1"

Dim lstaddresses AsNewList(Of API.AddressInfo)
Dim lstDepartment AsNewList(Of API.DepartmentInfo)

Dim address1 AsNew API.AddressInfo
Dim address2 AsNew API.AddressInfo
Dim Department AsNew API.DepartmentInfo

With address1
    .Address1 = "Address1 France"
    .AddressID = "FR1"
    .City = "Paris"
    .Country = "France"
    .Ext = "+33"
    .Phone = "(567) 2349 234"
    .Website = "www.PMWeb.com"
    .ClientId = "Addr1"

EndWith
With address2
    .Address1 = "Address2 France"
    .AddressID = "FR2"
    .City = "Paris"
    .Country = "France"
    .Email = "Info@PMweb.com"
    .Ext = "+33"
    .Phone = "(567) 2349 234"
    .Website = "www.PMWeb.com"
    .Type = "PO Box"
```

```

        .ClientId = "Addr1"
EndWith
    lstaddresses.Add(address1)
    lstaddresses.Add(address2)
    .Addresses = lstaddresses.ToArray

With Department
    .AddressID = "FR1" 'AddressID refers to the Address1 ID previously added.
    .DepartmentName = "Department1"
    .Email = "Info@PMweb.com"
    .Ext = "+33"
    .Phone = "(567) 2349 234"
    .Website = "www.PMWeb.com"
    .Notes = "API Sample Code"
    .Primary = True
    .ClientId = "3023" 'This is the client's Department ID used for reference
    .Type = "Main"
EndWith
EndWith
'Call The API Companies web Method.
Try
    objResult = ws.AddCompany(objCompany, wscHeader)

ForEach Result As API.ResultInfoIn objResult
    'Collect each result's information.
    Dim ObjectType = Result.ObjectType
    Dim StatusCode = Result.StatusCode ' "S" For Successful, "F" For Failed

    Dim StatusMessage = Result.StatusMessage
    Dim ReferenceId = Result.ReferenceId

    'Process each result....

Next
Catch ex AsException
    MessageBox.Show("System was unable to connect.")
EndTry

```

Updating Change Request record using UpdateBudgetRequests Method

VB.NET Code

```

Dim wscHeader AsNewPMWebCredentials
    wscHeader.Username = "Username"
    wscHeader.Password = "Password"
    wscHeader.DatabaseName = "DatabaseName"

Dim objBudgetRequest AsNewBudgetRequests
Dim ListBudgetRequest AsNewList(OfBudgetRequestInfo)
Dim objBudgetRequestInfo AsNewBudgetRequestInfo
Dim objResult() AsResultInfo

With objBudgetRequestInfo
    .SystemId = 509
    .ProjectNumber = "22"

```



```

        .RecordNumber = "PI"
        .Revision = 1
        .Description = "PMWeb API Update Test1"
        .Status = "Draft"
        .PostAs = "Original Budget"
        .Reference = "Ref 1"
        .Category = "test"
        .ClientId = "Client1"

Dim BudgetRequestDetailList AsNewList(OfBudgetRequestDetailInfo)

Dim objBudgetRequestDetailInfo AsNewBudgetRequestDetailInfo
With objBudgetRequestDetailInfo
    .SystemId = 1131
    .ClientId = "Request203"
    .CostCode = "10-10021"
    .Description = "Test"
    .UOM = "cl"
    .Quantity = 5.3
    .UnitPrice = 2.3
    ._OwnerBudget = 4.3
    .UnitCost = 3.3
    ._ProjectBudget = 8.9
    .CompanyName = "CompanyName"
    .Period = ""
    .ProjectLocationName = ""
    .Notes = "sd"
    .TaskName = "1458"
    .startDate = Now
    .FinishDate = Now
    .CurveType = "Linear"
    .Field1 = "dd"
    .Field2 = "dd"
    .Field3 = "dd"
    .Field4 = "dd"
    .Field5 = "dd"
    .Field6 = "dd"
    .Field7 = "dd"
    .Field8 = "dd"
    .Field9 = "dd"
    .Field10 = "dd"
    .CostType = "Lab"
    .PhaseName = ""
    ._WBSName = ""
EndWith

BudgetRequestDetailList.Add(objBudgetRequestDetailInfo)
.BudgetRequestDetail = BudgetRequestDetailList.ToArray

ListBudgetRequest.Add(objBudgetRequestInfo)

objResult = objBudgetRequest.UpdateBudgetRequests(ListBudgetRequest.ToArray,
wscHeader)
EndWith

ForEach res AsResultInfoIn objResult
    lblResult.Text = res.ObjectType + " : " + res.StatusMessage + vbCrLf
Next

```

Classes

This section lists the properties and variables that need to be considered.

Note: Some classes contain properties starting with an underscore (_). This indicates that the property is “read-only” and may only be used to

PMWebCredentials

Properties/Variables	Data Type	Description
Username	String	Required. Must be admin
Password	String	Required
DatabaseName	String	Required. Must be a valid PMWeb database name

ResultInfo

The PMWeb API returns an array of ResultInfo Classes which holds status information about any operation into PMWeb.

Properties/Variables	Data Type	Description
ObjectType	String	Object type in which the error occurred e.g. "Company", "Addresses", "Contacts"
StatusCode	String	"F" or "S" (Failed or Succeeded)
StatusMessage	String	A descriptive message to clarify the error.
ReferenceId	String	The system ID of the record which helps locate the source of an error if any.
SystemId	Integer	It's the PMWeb System ID of the Record that has been updated or added.

Portfolio

ProjectWBSInfo

Properties/Variables	Data Type	Description
SystemId	Id	Project WBS System Id
WBSCode	String	
WBSName	String	

ProgramWBSInfo

Properties/Variables	Data Type	Description
SystemId	Id	Program WBS System Id
WBSCode	String	
WBSName	String	

RequisitionCodeInfo

Properties/Variables	Data Type	Description
SystemId	Integer	Depending on Type, it should refer to the SystemId of a contract detail or a contract change order detail that is related to the project.
Description	String	
Type	String	“Contract” or “ContractCO”

ProjectTaskInfo

Properties/Variables	Data Type	Description
SystemId	Integer	
Task	String	
StartDate	Date	
FinishDate	Date	

ProjectInfo

Properties/Variables	Data Type	Description
SystemId	Integer	Project PMWeb System ID
ProgramCode	String	Must exist in Project Programslist
DocumentNumber	String	Required. Must be unique
ProjectName	String	Required. Must be unique
LocationCode	String	Must exist in Locationslist
ProjectStatus	String	Must exist in Project Statuses list
ProgramWBSId	Integer	Must exist in Program WBS list
ProjectType	String	Must exist in Project Types list
Category	String	Must exist in Categories list
Status	String	Required. Must exist in Status list
Currency	String	Required. Must exist in Currencies list
UOM	String	Must exist in UOM list
State	String	Must exist in States list

Country
ClientCode
GCCode
ArchitectCode
CommitmentCompanyCode
OwnerCode

String	Must exist in Countries list
String	Must exist in Companies list
String	Must exist in Companies list
String	Must exist in Companies list
String	Must exist in Companies list
String	Must exist in Companies list

CompanyInfo

Properties/Variables	Data Type	Description
SystemId	Integer	Company System ID stored in PMWeb Database
CompanyId	String	Required. Must be unique
Name	String	Company Name Required
Type	String	Needs to be in PMWeb Location Types list
Country	String	Needs to be in PMWeb Countries list
BillingTerms	String	Needs to be in PMWeb BillingTerms list
ClientId	String	Client's Company System ID, or the external reference of the record. It is use to map PMWeb Company Record to Clients(External system) designated Company Record
Addresses()	AddressInfo	Array of AddressInfo Classes.
Departments()	DepartmentInfo	Array of DepartmentInfo Classes.
Contacts()	ContactInfo	Array of ContactInfo Classes.
Insurances	InsuranceInfo()	Array of InsuranceInfo Classes.

AddressInfo

Properties/Variables	Data Type	Description
SystemId	Integer	Address System ID stored in PMWeb Database
CompanySystemId	Integer	Company System ID to which it belongs.
AddressID	String	Required.
State	String	Needs to be in PMWeb States list
Country	String	Needs to be in PMWeb Countries list

DepartmentInfo

Properties/Variables	Data Type	Description
SystemId	Integer	Department SystemID stored in PMWeb
CompanySystemId	Integer	Required. Company System IDto which it belongs.
DepartmentName	String	Required.
AddressID	String	Must exist in The Company's addresses list

ContactInfo

Properties/Variables	Data Type	Description
SystemId	Integer	Contact System ID stored in PMWeb.
CompanySystemId	Integer	Required. Company System ID to which it belongs.
ContactID	String	Required. Must be unique
DepartmentName	String	Required.
AddressID	String	Must exist in The Company's addresses list

InsuranceInfo

Properties/Variables	Data Type	Description
SystemId	Integer	Insurance SystemID stored in PMWeb.
CompanySystemId	Integer	Required. Company System ID to which it belongs.
LocationCode	String	Must exist in Locations list
Project	String	Must exist in Projects list.
Type	String	Must exist in Insurance Types list

ProgramInfo

Properties/Variables	Data Type	Description
SystemId	Id	Program PMWeb System ID.
ProgramName	String	Required. Must be unique
ProgramNumber	String	Required. Must be unique.
ProgramManagerCompanyCode	String	Must exist in Companies List.
ProgramType	String	Must exist in Program Types list
ProgramStatus	String	Must exist in Program Statuses List
ProjectClientCode	String	Must exist in Companies List.
ProjectGCCode	String	Must exist in Companies List.
ProjectArchitectCode	String	Must exist in Companies List.
ProjectCurrency	String	Required. Must exist in Currencies List
ProjectUOM	String	Must exist in UOM List
ProjectState	String	Must exist in States List
ProjectCountry	String	Must exist in Countries List
ProjectStatus	String	Must exist in Project Statuses List
ProjectType	String	Must exist in Project Types List.

ProjectPeriods

Properties/Variables	Data Type	Description
ProjectNumber	String	Must exist in Projects list, if provided. Defaults to all projects if empty.
Period()	PeriodsInfo	Array of PeriodsInfo that belongs to a certain Project, and needs to be modified.

PeriodsInfo

Properties/Variables	Data Type	Description
----------------------	-----------	-------------

SystemId
Period
FromDate
ToDate
BudgetYear

Integer	Period PMWeb System ID
String	Period Description
Date	Must exist , Period From Date
Date	Must exist , Period To Date
Integer	Needs to be a valid year between 1899 and 2100

ListInfo

Properties/Variables	Data Type	Description
SystemId	Integer	PMWebList System ID stored in PMWeb Database
DisplayName	String	PMWeb ListFriendlyName
UniqueName	String	PMWeb ListPMWebName
IsSystem	Boolean	True or False values. Defaults to false (custom list)
ReferenceId	String	The system ID of the record which helps locate the source of an error if any.
ListItem()	Class	Array of ListItem Classes

AccountListItemInfo

Properties/Variables	Data Type	Description
SystemId	Integer	Account list System ID stored in PMWeb Database
Code	String	Required. Must be unique
Description	String	Account List Description
IsActive	Boolean	True or False values. Defaults to false
ReferenceId	String	The system ID of the record which helps locate the source of an error if any.

BillingTermsListItemInfo

Properties/Variables	Data Type	Description
SystemId	Integer	Billing Terms list System ID stored in PMWeb Database
SortOrder	Integer	Read Only
Terms	String	Billing Term list Description
DiscountDue	Double	Default 0.00
Discount	Double	Percentage. Default 0.00%
Net Due	Integer	Default 0
IsActive	Boolean	True or False values. Defaults to false
ReferenceId	String	The system ID of the record which helps locate the source of an error if any.
Unit	Enum	Days,Weeks or Months
UnitId	Integer	Billing Term List Item unit system ID stored in PMWeb Database
UnitName	String	Read Only

ClausesListItems

Properties/Variables	Data Type	Description
SystemId	Integer	Clauses list System ID stored in PMWeb Database
ListType	String	Category, Type or Responsible
Description	String	Clause List Category, Type or Responsible description
RecordType	String	Object Type to which the Clause List belongs
InActive	Boolean	True or False values. Defaults to false
ReferenceId	String	The system ID of the record which helps locate the source of an error if any.

Planning

ItemInfo

Properties/Variables	Data Type	Description
SystemId	Integer	Item PMWeb System ID.
Description	String	Required.
ItemGroup	String	Required. Group Path in which the item is in. e.g. <i>ItemGroup/ItemSubGroup1/ItemSubGroup2</i>
Type	String	Must exist in Types List.
Category	String	Must exist in Categories List.
ManufacturerCode	String	Must exist in Companies List.
TemplateNumber	String	Must exist in Projects List.
ProjectNumber	String	Must exist in Projects List.
PhaseName	String	Must exist in Phases List that's related to the record's Project.
ProjectLocationName	String	Must exist in Project Locations list that is related to the record's Project.
CostCode	String	Must exist in Cost Codes List that s related to the record's Project
CostType	String	Must exist in Cost Types list
CompanyCode	String	Must exist in Companies List.
EstimatingUOM	String	Must exist in UOM List.
InventoryUOM	String	Must exist in UOM List.
PurchasingUOM	String	Must exist in UOM List.
QuatityUOM	String	Must exist in UOM List.
LateralOffsetUOM	String	Must exist in UOM List.
VerticalOffsetUOM	String	Must exist in UOM List.

Engineering Forms

CorrespondenceInfo

Properties/Variables	DataType	Description
SystemId	Integer	Correspondence PMWeb System ID.
DocumentNumber	String	Correspondence Document Number.Required. Must be unique by Project and Phase.
Status	String	Required.Must be in List.
ProjectNumber	String	Required.Must exist in Projects List.
PhaseName	String	Must exist in Phases List, If provided.
FromCompanyCode	String	Must exist in active Companies List. If provided.
FromContactCode	String	Must exist in “FromCompany” active Contacts List. If provided.
ToCompanyCode	String	Must exist in active Companies List. If provided.
ToContactCode	String	Must exist in “ToCompany” active Contacts List. If provided.
WBSCode	String	Must exist in WBS List. If provided.
Category	String	Must exist in Correspondence Categories List. If provided.
Priority	String	Must exist in Priorities List. If provided.

CausesInfo

Properties/Variables	DataType	Description
SystemId	Integer	SafetyForms Causes PMWeb System ID.
SafetyFormId	Integer	SafetyForms PMWeb System ID.
Category	String	Must exist in SafetyForms Causes Categories List. If provided.

WitnessesInfo

Properties/Variables	DataType	Description
SystemId	Integer	SafetyForms Witnesses PMWeb System ID.
SafetyFormId	Integer	SafetyForms PMWeb System ID.
CompanyCode	String	Must exist in activeCompaniesList. If provided.

PeopleInvolvedInfo

Properties/Variables	DataType	Description
SystemId	Integer	SafetyForms PeopleInvolved PMWeb System ID.
SafetyFormId	Integer	SafetyForms PMWeb System ID.
CompanyCode	String	Must exist in active Companies List. If provided.
WorkerClassification	String	Must exist in SafetyForms PeopleInvolved WorkerClassification List. If provided.
InjuryType	String	Must exist in SafetyForms PeopleInvolved Injury Type List. If provided.
InjuredBodyPart	String	Must exist in SafetyForms PeopleInvolved Injured Body Part List. If provided.
InjurySeverity	String	Must exist in SafetyForms PeopleInvolved Injury Severity List. If provided.

SafetyFormsInfo

Properties/Variables	DataType	Description
SystemId	Integer	SafetyForms PMWeb System ID.
DocumentNumber	String	SafetyForms Document Number.Required. Must be unique by Project and Phase.
Status	String	Required.Must be in List.
ProjectNumber	String	Required.Must exist in Projects List.
PhaseName	String	Must exist in Phases List. If provided.
SubmittedByCompanyCode	String	Must exist in active Companies List. If provided.
SubmittedByContactCode	String	Must exist in “SubmittedByCompany” active Contacts List. If provided.
CompanyCode	String	Must exist in active Companies List. If provided.
WBSCode	String	Must exist in WBS List. If provided
Categories	String	A comma separated List of SafetyForms categories .Must exist in SafetyForms Categories List. If provided.
Conditions	String	A comma separated List of Weather Conditions. Must exist in Weather Conditions List. If provided.
Types	String	A comma separated List of SafetyForms Types .Must exist in SafetyForms Types List. If provided.
TemperatureUOM	String	A single character .C for Celcius or F for Fahrenheit if provided.
UOM	String	Must exist in UOM List. If provided.
IncidentTime	String	A string that represents IncidentTime .Accepted formats examples :10:30 or 22:30

DocumentTime	String	A string that represents DocumentTime. .Accepted formats examples :10:30 or 22:30
Witnesses()	Class	Array of WitnessesInfo class.
PeopleInvolved()	Class	Array of PeopleInvolvedInfo class.
Causes()	Class	Array of CausesInfo class.

PunchListInfo

Properties/Variables	Data Type	Description
SystemId	Integer	Correspondence PMWeb System ID.
DocumentNumber	String	PunchListDocument Number.Required. Must be unique by Project and Phase.
Status	String	Required.Must be in List.
ProjectNumber	String	Required.Must exist in Projects List.
PhaseName	String	Must exist in PhasesList, If provided.
FromCompanyCode	String	Must exist in active Companies List. If provided.
FromContactCode	String	Must exist in “FromCompany”active ContactsList. If provided.
ToCompanyCode	String	Must exist in active Companies List. If provided.
ToContactCode	String	Must exist in “ToCompany” activeContactsList. If provided.
WBSCode	String	Must exist in WBSList. If provided.
Category	String	Must exist in Correspondence Categories List. If provided.
Priority	String	Must exist in PrioritiesList. If provided.
PunchListDetail()	PunchListDetailInfo	Array of PunchListDetailInfo Classes.

PunchListDetailInfo

Properties/Variables	DataType	Description
SystemId	Integer	PunchList Detail System ID
PunchListSystemId	Integer	PunchList System ID to which this detail belongs.
CostCode	String	Required. Must exist in the Project Cost Codes List.
Trade	String	Must exist in Trade list, If provided.
AssignedToCompanyCode	String	Must exist in active Companies List. If provided.
AssignedToContactCode	String	Must exist in "AssignedToCompany" active Contacts List. If provided.
ReceivedFromCompanyCode	String	Must exist in active Companies List. If provided.
ReceivedFromContactCode	String	Must exist in "ReceivedFromCompany" active Contacts List. If provided.
SentToCompanyCode	String	Must exist in active Companies List. If provided.
SentToCompanyCode	String	Must exist in "SentToCompany" active Contacts List. If provided.
ChargeToCompanyCode	String	Must exist in active Companies List. If provided.
ChargeToContactCode	String	Must exist in "SentToCompany" active Contacts List. If provided.

ActionItemInfo

Properties/Variables	DataType	Description
SystemId	Integer	Action Item System ID
Status	String	Required. Must exist in Workflow Statuses list.
PhaseName	String	Must Exist in Project Phases list related to the Project of that record.
ProjectNumber	String	Must exist in Projects list.
ActionItemId	String	Required. Must be unique within a project and phase
UserName	String	Must exist in Users list
WBSCode	String	Must Exist in Project WBS list.
_WBSName	String	Read-only. WBS Description.
Category	String	Must exist in Action Items Categories list.
Priority	String	Must exist in Priority list
ActionItemDetail()	ActionItemDetailInfo	Array of ActionItemDetailInfo Classes. Refer to ActionItemDetailInfo class description

ActionItemDetailInfo

Properties/Variables	DataType	Description
SystemId	Integer	Action Item Detail System ID
ActionItemSystemId	Integer	PMWeb Action Item System ID to which the ActionItemDetailInfo belongs.
ContactCode	String	Must exist in Company Contacts list. Related to company code
CompanyCode	String	Must exist in Companies list. Related to contact code
isDone	Boolean	True or False values. Defaults to false
DueDate	Date	Invalid dates are converted to null
CompletedDate	Date	Invalid dates are converted to null

String	Contract Number + Contract Description
--------	--

DrawingSetsInfo

Properties/Variables	DataType	Description
SystemId	Integer	Drawing Set System ID
Status	String	Required. Must exist in Workflow Statuses list.
PhaseName	String	Must Exist in Project Phases list related to the Project of that record.
ProjectNumber	String	Required. Must exist in Projects list.
DrawingSetId	String	Required. Must be unique within a project and phase
FromContactCode	String	Must exist in Company Contacts list. Related to company code
FromCompanyCode	String	Must exist in Companies list. Related to contact code
WBSCode	String	Must Exist in Project WBS list.
CSICode	String	Must Exist in CSI Codes list
CSIDivision	String	Must Exist in CSI Divisions list
Category	String	Must exist in Drawing Sets Categories list.
DrawingSetDetail()	DrawingSetsDetailsInfo	Array of DrawingSetsDetailsInfo Classes. Refer to DrawingSetsDetailsInfo class description

DrawingSetsDetailsInfo

Properties/Variables	DataType	Description
SystemId	Integer	Drawing Set Detail System ID
DrawingSetSystemId	Integer	PMWeb Drawing Set System ID to which the DrawingSetDetailInfo belongs.
CSICode	String	Must Exist in CSI Codes list
CSIDivision	String	Must Exist in CSI Divisions list
Category	String	Must exist in Drawing Sets Categories list.
LocationCode	String	Must exist in locations list
TaskName	String	Must exist in the selected project tasks list
Status	String	Must exist in Submittal Statuses List

SubmittalItemInfo

Properties/Variables	DataType	Description
SystemId	Integer	SubmittalItem PMWeb System ID
RecordNumber	String	Required. Must follow the “Unique By” Rule set for the Transmittal in the RecordNumber settings (Unique By Project Unique By Phase Unique By Portfolio)
Status	String	Required.
ProjectNumber	String	Must exist in Projects list, if provided. Defaults to all projects if empty.
PhaseName	String	Required. Must exist in Phase list.
CompanyCode	String	Must exist in Active Company List.
CSICode	String	Must exist in CSICode List.
TaskName	String	Must exist in Task list.

WBS
MfrCompanyCode
SupplierCompanyCode
SubmittalStatus

String	Must exist in WBS List.
String	Must exist in Company list.
String	Must exist in Company List.
String	Must exist in Submittal Status list.

TransmittalsInfo

Properties/Variables	DataType	Description
SystemId	Integer	Tansmittal PMWeb System ID
RecordNumber	String	Required. Must follow the “Unique By” Rule set for the Transmittal in the RecordNumber settings (Unique By Project Unique By Phase Unique By Portfolio)
Status	String	Required.
ProjectNumber	String	Must exist in Projects list, if provided. Defaults to all projects if empty.
PhaseName	String	Required. Must exist in Phase list.
WBS	String	Must exist in WBS list.
To Contract	String	Must exist in To Contract list.
From Contract	String	Must exist in From Contract List.
Category	String	Must exist in WorkOrder Categories list
Via	String	Must exist in Shipping Via list
TransmittalsDetail()	TransmittalsDetailInfo	Array of TransmittalsDetailInfo Classes. Refer to TransmittalsDetailInfo class description
TransmittalRemarks()	String	Array of String. Must exist in Remark list

TransmittalsDetailInfo

Properties/Variables	DataType	Description
SystemId	Integer	TansmittalDetail PMWeb System ID
TransmittalSystemId	Integer	Transmittal PMWeb System ID
Type	String	Must exist in Type list.
Status	String	Must exist in Submittal Status list. Default to “No Action”.

MeetingMinutesInfo

Properties/Variables	DataType	Description
SystemID	Integer	Meeting Minutes System ID
Status	String	Required. Must exist in Workflow Statuses list.
ProjectNumber	String	Required. Must exist in Projects List.
PhaseNumber	String	Must exist in The Project Phases List.
WBSCode	String	Must exist in The Project WBS List.
Type	String	Must exist in Meeting Minutes Types List.
RecordNumber	String	Required. Must be unique By Project, Meeting Number and Type.
_MeetingNumber	String	Read-Only.
Category	String	Must exist in MeetingMinutes Categories list.
MeetingMinutesDetail()	MeetingMinutesDetailInfo	Array of MeetingMinutesDetailInfo Classes.

MeetingMinutesDetailInfo

Properties/Variables	DataType	Description
SystemID	Integer	Meeting Minutes Detail System ID
MeetingMinutesSystemID	Integer	Meeting Minutes System ID to which this detail belongs.
Category	String	Must exist in MeetingMinutes Detail Categories list.
Status	String	Must exist in the Submittal Items Statuses list.
Task	String	Must exist in the Project tasks list
Contacts()	MeetingMinutesDetailContacts	Array of MeetingMinutesDetailContacts Classes. Represents "Assigned To" field in PMWeb.

MeetingMinutesDetailContacts

Properties/Variables	DataType	Description
CompanyCode	String	Must exist in the active companies list.
ContactCode	String	ContactID. Must exist in the active Company contacts list.

SubmittalSetInfo

Properties/Variables	Data Type	Description
SystemID	Integer	Submittal Set System ID
Status	String	Required. Must exist in Workflow Statuses list.
ProjectNumber	String	Required. Must exist in Projects List.
PhaseNumber	String	Must exist in The Project Phases List.
WBSCode	String	Must exist in The Project WBS List.
RecordNumber	String	Required. Must be unique.
Category	String	Must exist in SubmittalSet Categories list.
FromCompanyCode	String	Must exist in the active companies list.
FromContactID	String	Must exist in the active "FromCompany" contacts list.
ToCompanyCode	String	Must exist in the active companies list.
ToContactID	String	Must exist in the active "ToCompany" contacts list.
AssignedToCompanyCode	String	Must exist in the active companies list.
_ClosedLines	Integer	Read-only. Automatically calculated. _ClosedLines = Number of closed Submittal Set details belonging to this record.
_TotalLines	Integer	Read-only. Automatically calculated. _TotalLines = Total number of Submittal Set details belonging to this record.
_Percentage	Decimal	Read-only. Automatically calculated. _percentage= _ClosedLines * 100/_TotalLines
SubmittalSetDetail()	SubmittalSetDetailInfo	Array of SubmittalSetDetailInfo Classes.

SubmittalSetDetailInfo

Properties/Variables	Data Type	Description
SystemID	Integer	Submittal Set Detail System ID
SubmittalSetSystemID	Integer	Submittal Set System ID to which this detail belongs.
CompanyCode	String	Must exist in the active companies list.
PhaseNumber	String	Must exist in The Project Phases List.
ManufacturersCode	String	Must exist in the active companies list.
SupplierCode	String	Must exist in the active companies list.
Status	String	Must exist in the Submittal Items Statuses list.
Task	String	Must exist in the Project tasks list
_SubmitOverDue	Integer	Read-only. Automatically calculated. _SubmitOverDue= Submitted - DueDate
_ReturnOverDue	Integer	Read-only. Automatically calculated. _ReturnOverDue = ReturnedDate- ReturnDueDate
ReviewTask	String	Must exist in the Project tasks list

SubmittalsInfo

Properties/Variables	DataType	Description
SystemId	Integer	OnlineSubmittalsPMWeb System ID.
SubmittalID	String	OnlineSubmittals ID
ProjectNumber	String	Required.Must exist in Projects List.
PhaseName	String	Must exist in PhasesList. If provided.
SetNumber	String	Set Number
AssignedTo	String	User Assigned to
DocNumber	String	Document Number
CSICode	String	CSI Code
Status	String	Required.Must be in List.
Revision	Integer	
DocumentDate	Date	Document creation Date
SubmittedDate	Date	Submission Date
Category	String	Must exist in SafetyForms Causes Categories List. If provided.
WBSCode	String	Must exist in WBSList. If provided.
SubmittalDetail()	Class	Array of SubmittalDetailsInfo class.

SubmittalDetailsInfo

Properties/Variables	DataType	Description
SystemId	Integer	SubmittalDetailsInfoSystem ID.
SubmittalSystemID	Integer	OnlineSubmittalsPMWeb System ID.
DocNumber	String	Document Number
ManufacturerCode	String	Manufacture Code
SupplierCode	String	Supplier Code
ManufacturerNumber	String	Manufacturer Number
Revision	Integer	Revision
Status	String	Submittal Status
Notes	String	Submittal Notes
Task	String	Submittal Task

DrawingListInfo

Properties/Variables	DataType	Description
SystemId	Integer	DrawingList PMWeb System ID.
DrawingListNumber	String	DrawingList Document Number.Required. Must be unique by Project and Phase.
Status	String	Required.Must be in List.
ProjectNumber	String	Required.Must exist in Projects List.
PhaseName	String	Must exist in Phases List. If provided.

FromCompanyCode	String	Must exist in active Companies List. If provided.
FromContactCode	String	Must exist in “FromCompany” active Contacts List. If provided.
CSICode	String	Must exist in CSICode List. If provided.
CSIDivision	String	Must exist in CSIDivision List.If provided.
WBSCode	String	Must exist in WBS List. If provided
Category	String	Must exist in DrawingLists Category List.If provided
DrawingListDetail()	Class	Array of DrawingListDetailInfo class.

DrawingListDetailInfo

Properties/Variables	Data Type	Description
SystemId	Integer	DrawingListDetail PMWeb System ID.
DrawingListSystemId	Integer	DrawingList PMWeb System ID.
PhaseName	String	Must exist in Phases List. If provided.
ProjectLocationCode	String	Must exist in Project LocationList. If provided.
TaskName	String	Must exist in the current Project Tasks List. If provided.
CSICode	String	Must exist in CSICode List. If provided.
CSIDivisionCode	String	Must exist in CSIDivision List.If provided.
Category	String	Must exist in DrawingListsDetails Categories. List.If provided
Status	String	Required.Must be in DrawingLists Details Status List.

RFIInfo

Properties/Variables	Data Type	Description
SystemID	Integer	RFI System ID
Status	String	Required. Must exist in Workflow Statuses list.
ProjectNumber	String	Required. Must exist in Projects List.
PhaseNumber	String	Must exist in The Project Phases List.
WBSCode	String	Must exist in The Project WBS List.
RecordNumber	String	Required. Must be unique.
Category	String	Must exist in RFI Categories list.
FromCompanyCode	String	Must exist in the active companies list.

FromContactCode	String	Must exist in the active “FromCompany“ contacts list.
ToCompanyCode	String	Must exist in the active companies list.
ToContactCode	String	Must exist in the active “ToCompany“ contacts list.
Trade	String	Must exist in the Tradelist.
Priority	String	Must exist in the Priority list.
TaskName	String	Must exist in the Task list.

Cost Management

APPaymentInfo

Properties/Variables	Data Type	Description
SystemId	Integer	AP Payment PMWeb System ID
ID	String	Required. Must be unique.
Status	String	Required.
ProjectNumber	String	Must exist in Projects list, if provided. Defaults to all projects if empty.
ProgramNumber	String	Must exist in Programs list, if provided. Defaults to “Portfolio” if empty.
CommitmentId	Integer	Must exist in the <u>Active</u> Commitments list (not withdrawn or rejected) that is related to the Program and the Project of the record.
_Commitment	String	Commitment Number + Commitment Description
LinkedProgressInvoiceId	Integer	Must exist in <u>Approved</u> ProgressInvoices list that is related to the Program, Project and Commitment (if CommitmentId is provided). of the record
_LinkedProgressInvoice	String	Read-only. Progress Invoice Number + Progress Invoice Description
LinkedMiscellaneousInvoiceId	Integer	Must exist in <u>Approved</u> Miscellaneous Invoices list that is related to the Program, Project and commitment (if CommitmentId is provided) of the record.
_LinkedMiscellaneousInvoice	String	Read-only. Miscellaneous Invoice Number + Miscellaneous Invoice Description
Cost Code	String	Must exist in Cost Code list that is related to the record’s Project
CompanyCode	String	Must exist in Companies list.
Type	String	Must exist in Payment Types list
Category	String	Must exist in Categories list
Period	String	Must exist in ProjectPeriods list
PaymentMethod	String	Must exist in Payment Methods list
APPaymentDetail()	APPaymentDetailInfo	Array of APPaymentDetailInfo Classes. Refer to APPaymentDetailInfo class description

APPaymentDetailInfo

Properties/Variables

SystemId
_ID

APPaymentSystemId

Data Type	Description
Integer	AP Payment Detail PMWeb System ID
String	Read-Only. System ID of the payment ledger. It might refer to: CommitmentId, ProjectId, ProgramId or ProgressInvoiceId.
String	PMWeb AP Payment System ID to which the APPaymentDetail belongs.

ARPaymentInfo**Properties/Variables**

SystemId
ID
Status
ProjectNumber

ProgramNumber

ContractId

_Contract

RequisitionId

_Requisition

Cost Code

CompanyCode
Type

Category

Period

PaymentMethod

ARPaymentDetail()

Data Type	Description
Integer	AR Payment PMWeb System ID
String	Required. Must be unique.
String	Required.
String	Must exist in Projects list, if provided. Defaults to all projects if empty.
String	Must exist in Programs list (if provided). Defaults to "Portfolio" if empty.
Integer	Must exist in the <u>Active</u> Contracts list (not withdrawn or rejected) that is related to the Program and the Project of the record.
String	Contract Number + Contract Description
Integer	Must exist in <u>Approved</u> Requisition list that is related to the Program, Project and Contract (if ContractId is provided) of the record
String	Read-only. RequisitionNumber + Requisition Description
String	Must exist in Cost Code list that is related to the record's Project
String	Must exist in Companies list.
String	Must exist in Payment Types list
String	Must exist in Categories list
String	Must exist in ProjectPeriods list
String	Must exist in Payment Methods list
ARPaymentDetailInfo	Array of ARPaymentDetailInfo Classes. Refer to ARPaymentDetailInfo class description

ARPaymentDetailInfo**Properties/Variables**

SystemId
_ID

ARPaymentSystemId

Data Type	Description
Integer	AR Payment Detail PMWeb System ID
String	Read-Only. System ID of the payment ledger. It might refer to: CommitmentId, ProjectId, ProgramId or ProgressInvoiceId.
String	PMWeb AR Payment System ID to which the ARPaymentDetail belongs.

ARPaymentBatchesInfo

Properties/Variables	DataType	Description
SystemId	Integer	AR Payment Batches PMWeb System ID
ID	String	Required. Must be unique.
Status	String	Required.
ProjectNumber	String	Must exist in Projects list, if provided. Defaults to all projects if empty.
ProgramNumber	String	Must exist in Programs list, if provided. Defaults to "Portfolio" if empty.
CompanyCode	String	Must exist in Companies list.
Type	String	Must exist in Payment batches Types list
Category	String	Must exist in Payment batches Categories list
Period	String	Must exist in Project Period list
PaymentMethod	String	Must exist in Payment MethodTypes list
ARPaymentBatchesDetail()	ARPaymentBatchesDetailInfo	Array of ARPaymentBatchesDetailInfoClasses. Refer toARPaymentBatchesDetailInfoclass description

ARPaymentBatchesDetailInfo

Properties/Variables	DataType	Description
SystemId	Integer	AR Payment Batch Detail PMWeb System ID
ID	String	Required. Must be unique.
ARPaymentBatcheSystemId	String	PMWeb AR Payment Batches System IDto which the ARPaymentBatchesDetail belongs.
Status	String	Required.
ProjectNumber	String	Must exist in Projects list, if provided. Defaults to all projects if empty.
ProgramNumber	String	Must exist in Programs list, if provided. Defaults to "Portfolio" if empty.
ContractId	Integer	Must exist in the <u>Active</u> Contracts list (not withdrawn or rejected) that is related to the Program and the Project of the record.
_Contract	String	Contract Number + Contract Description
RequisitionId	Integer	Must exist in <u>Approved</u> Requisition list that is related to the Program, Project and Contract (if ContractIdis provided)of the record
_Requisition	String	Read-only. RequisitionNumber + Requisition Description
Cost Code	String	Must exist in Cost Code list that is related to the record's Project
CompanyCode	String	Must exist in Companies list.
Type	String	Must exist in Payment Types list
Category	String	Must exist in Categories list
Period	String	Must exist in Project period list
PaymentMethod	String	Must exist in Payment Method Types list

APPaymentBatchesInfo

Properties/Variables	Data Type	Description
SystemId	Integer	AP Payment Batches PMWeb System ID
ID	String	Required. Must be unique.
Status	String	Required.
ProjectNumber	String	Must exist in Projects list, if provided. Defaults to all projects if empty.
ProgramNumber	String	Must exist in Programs list, if provided. Defaults to "Portfolio" if empty.
CompanyCode	String	Must exist in Companies list.
Type	String	Must exist in Payment batches Types list
Category	String	Must exist in Payment batches Categories list
Period	String	Must exist in Project Period list
PaymentMethod	String	Must exist in Payment Method Types list
APPaymentBatchesDetail()	APPaymentBatchesDetailInfo	Array of APPaymentBatchesDetailInfoClasses. Refer to APPaymentBatchesDetailInfoClass description.

APPaymentBatchesDetailInfo

Properties/Variables	Data Type	Description
SystemId	Integer	AP Payment Batches PMWeb System ID
ID	String	Required. Must be unique.
APPaymentBatchSystemId	String	PMWeb AP Payment Batches System ID to which the APPaymentBatchesDetail belongs.
Status	String	Required.
ProjectNumber	String	Must exist in Projects list, if provided. Defaults to all projects if empty.
ProgramNumber	String	Must exist in Programs list, if provided. Defaults to "Portfolio" if empty.
CommitmentId	Integer	Must exist in the <u>Active</u> Commitments list (not withdrawn or rejected) that is related to the Program and the Project of the record.
_Commitment	String	Commitment Number + Commitment Description
LinkedProgressInvoiceId	Integer	Must exist in Progress Invoices list that is related to the Program, Project and Commitment (if CommitmentId is provided). of the record
_LinkedProgressInvoice	String	Read-only. Progress Invoice Number + Progress Invoice Description
LinkedMiscellaneousInvoiceId	Integer	Must exist in <u>Approved</u> Miscellaneous Invoices list that is related to the Program, Project and commitment (if CommitmentId is provided) of the record.
_LinkedMiscellaneousInvoice	String	Read-only. Miscellaneous Invoice Number + Miscellaneous Invoice Description

Cost Code	String	Must exist in Cost Code list that is related to the record's Project
CompanyCode	String	Must exist in Companies list.
Type	String	Must exist in Payment Types list
Category	String	Must exist in Categories list
Period	String	Must exist in Project period list
PaymentMethod	String	Must exist in Payment Method Types list

CostCodeInfo

Properties/Variables	Data Type	Description
ProjectNumber	String	Must exist in Projects list.
CostCodeLevelsInfo()	CostCodeLevelsInfo	Array of CostCodeLevelsInfo classes
CostCodeDetailsInfo()	CostCodeDetailsInfo	Array of CostCodeDetailsInfo classes

CostCodeLevelsInfo

Properties/Variables	Data Type	Description
SystemId	Integer	Cost Code level System ID
Description	String	Required. Must be unique by project.
_NumberOfCharacters	Integer	Read-only. Maximum number of characters that the Cost Code Level Detail ID can consist of.
CostCodeLevelDetailInfo()	CostCodeLevelDetailInfo	Array of CostCodeLevelDetailInfo classes

CostCodeLevelDetail

Properties/Variables	Data Type	Description
SystemId	Integer	Cost Code level Detail System ID
CostCodeLevelSystemId	Integer	Cost Code Level System ID to which it belongs.
ID	String	Required. Must respect _Number Of Characters value.
Description	String	Required.
AccountCode	String	Must exist in AccountCodes list.

CostCodeDetailInfo

Properties/Variables	Data Type	Description
SystemId	Integer	Cost Code Detail System ID
CostCode	String	Dash (-) separated Cost Code Level Detail values from which the Cost Code is composed. Values must exist in the Cost Code Level Details list of the Designated project.
AccountCode	String	Must exist in AccountCodes list.

CostLedgerDetail

Properties/Variables	Data Type	Description
SystemId	Integer	CostLedgerDetail System ID
_CostLedgerSystemId	Integer	Read-only. CostLedger PMWeb System ID
ProjectNumber	String	Must exist in Projects list.
CostCode	String	Required. Must exist in the Project Cost Codes list
UOM	String	Must exist in UOM list
Quantity	Integer	Use "1" if none is specified
WorksheetColumn	String	Required. Must exist in Worksheet Columns list
Status	String	Defaults to "Pending" if empty. Must exist in Status list
Period	String	Must exist in Project Periods list
Notes	String	
_Document	String	Read-Only. Description of the related document from which the cost ledger was posted
_DocumentType	String	Document Type (=Object Type) of the document from which the cost ledger was posted
_ProfileID	String	ID of the PMWeb Integration Manager through which the Cost Ledger had been imported
_ImportDate	Date?	The date at which the Cost ledger was imported through PMWeb Integration Manager
_DocumentID	Integer	Linked Document System ID
_DocumentDetailId	Integer	Linked Document Detail System ID that the CostLedgerDetail refers to.

JournalEntryInfo

Properties/Variables	Data Type	Description
SystemId	Integer	Journal Entry System ID
ProjectNumber	String	Required. Must exist in Projects list
RecordNumber	String	Must be unique
Type	String	Must exist in Journal Entry Typeslist
Category	String	Must exist in Journal EntryCategorieslist
_NetAmount	Decimal	Sum of the TotalAmount of all the Journal Entry details
Status	String	Required
JournalEntryDetailInfo()	JournalEntryDetail Info	Array of JournalEntryDetailInfo Classes

JournalEntryDetailInfo

Properties/Variables	Data Type	Description
SystemId	Integer	Journal Entry Detail System ID
JournalEntrySystemId	Integer	Journal Entry System ID to which this detail belongs
CostCode	String	Required. Must exist in the Project Cost Codes list
UOM	String	Must exist in UOM list
TotalAmount	Decimal	If UseUnits = True Then TotalAmount = .Quantity * .UnitCost Else .UnitCost = TotalAmount / .Quantity
WorksheetColumn	String	Required. Must exist in Worksheet Columns list
Period	String	Must exist in Project Periods list
ReqCodeType	String	“Contract” for contract Details and ContractCO” for Contract Change Order Details
ReqCodeId	Integer	Depending on ReqCodeType, it should refer to the SystemId of a contract detail or a contract change order detail that is related to the project
_ReqCodeName	String	Read-Only. Depending on ReqCodeType, it refers to the description of a contract detail or a contract change order detail that is related to the project

BudgetRequestInfo

Properties/Variables	Data Type	Description
SystemId	Integer	Budget Request System ID
ProjectNumber	String	Required. Must exist in Projects list
RecordNumber	String	Required. Must be unique
Type	String	Must exist in Types list
Category	String	Must exist in Budget Request Categories list
Status	String	Required. Default value “Draft”. Must Exist in Workflow statuses list
PostAs	String	Required. Default value “Original Budget”. Must exist in “Post As” list
BudgetRequestDetailInfo()	BudgetRequestDetailInfo()	Array of BudgetRequestDetailInfo Classes

BudgetRequestDetailInfo

Properties/Variables	Data Type	Description
SystemId	Integer	Budget Request Detail System ID
BudgetRequestSystemId	Integer	Journal Entry System ID to which this detail belongs
CostCode	String	Required. Must exist in the Project Cost Codes list
UOM	String	Must exist in UOM list
OwnerBudget	Decimal	- If UseUnits = True Then OwnerBudget = .Quantity * .UnitPrice Else .UnitPrice = OwnerBudget / .Quantity
ProjectBudget	Decimal	- If UseUnits = True Then ProjectBudget = .Quantity * .UnitCost Else .UnitCost = ProjectBudget / .Quantity
Period	String	Must exist in Project Periods list
ProjectLocationName	String	Must Exist in Project Locations
TaskName	String	Must Exist in Project Tasks list
CostType	String	Must Exist in Cost Types list
PhaseName	String	Must Exist in Project Phases list related to the Project of that record
WBSCode	String	Must Exist in Project WBS list
_WBSName	String	Read-only. WBS Description

BudgetInfo

Properties/Variables	Data Type	Description
SystemId	Integer	Budget System ID
ProjectNumber	String	Required. Must exist in Projects list.
Status	String	Required. Default value "Draft". Must Exist in Workflow statuses list.
_Estimate	String	Read-Only. Estimate Description if the budget was generated from a PMWeb Estimates record.
BudgetDetailInfo()	BudgetDetailInfo	Array of BudgetDetailInfo Classes.

BudgetDetailInfo

Properties/Variables	Data Type	Description
SystemId	Integer	Budget Detail System ID
BudgetSystemId	Integer	Journal Entry System ID to which this detail belongs.
CostCode	String	Required. Must exist in the Project Cost Codes list.
UOM	String	Must exist in UOM list
OriginalOwnerBudget	Decimal	- If UseUnits = True Then OriginalOwnerBudget = .Quantity * .UnitPrice Else .UnitPrice = OriginalOwnerBudget / .Quantity
OriginalProjectBudget	Decimal	- If UseUnits = True Then OriginalProjectBudget = .Quantity * .UnitCost Else .UnitCost = OriginalProjectBudget / .Quantity
CompanyName	String	Must exist in Companies list.
Period	String	Must exist in Project Periods list.
ProjectLocationName	String	Must Exist in Project Locations.
TaskName	String	Must Exist in Project Tasks list.
CostType	String	Must Exist in Cost Types list.
CurveType	String	Must Exist in Curve Types list.
PhaseName	String	Must Exist in Project Phases list related to the Project of that record.
WBSCode	String	Must Exist in Project WBS list.
_WBSName	String	Read-only. WBS Description.

MiscInvoiceInfo

Properties/Variables	Data Type	Description
SystemId	Integer	Misc Invoice System ID
ProjectNumber	String	Required. Must exist in Projects list.
CompanyCode	String	Must exist in Companies list.
MiscInvoiceNumber	String	Required. Must be unique.
Type	String	Must exist in Journal Entry Types list.
Category	String	Must exist in Journal Entry Categories list.
CostPeriod	String	Must exist in Project Period list.
_InvoiceAmount	Decimal	Read-Only. Automatically calculated. Sum of the TotalAmount of all the Miscellaneous Invoice details. TotalAmount = TotalCost + Tax+ Adjustment1 + Adjustment2.
_PaymentsApplied	Decimal	Read-Only. Automatically calculated. Sum of all Applied Payments for this Misc invoice in AP Payments.
_OpenBalance	Decimal	Read-Only. Automatically calculated. _InvoiceAmount - _PaymentsApplied.
_UnappliedPaymentsAvailable	Decimal	Read-Only. Automatically calculated. Sum of all Unapplied Payments from AP Payments for this Misc Invoice.
Status	String	Required.
MiscInvoiceDetailInfo()	MiscInvoiceDetailInfo	Array of MiscInvoiceDetailInfo Classes.

MiscInvoiceDetailInfo

Properties/Variables	Data Type	Description
SystemId	Integer	Misc Invoice Detail System ID
MiscInvoiceSystemId	Integer	Misc Invoice System ID to which this detail belongs.
FundingCode	String	Must exist in Funding Record Details list.
CostCode	String	Required. Must exist in the Project Cost Codes List.
UOM	String	Must exist in UOM list
TotalCost	Decimal	Read-Only. Automatically calculated $_TotalCost = Quantity * UnitCost$
CompanyName	String	Must exist in Companies list.
ManufacturerCode	String	Must exist in Companies list.
Period	String	Must exist in Project Periods list.
ProjectLocationName	String	Must Exist in Project Locations.
CostType	String	Must Exist in Cost Types list.
CurveType	String	Must Exist in Curve Types list.
PhaseName	String	Must Exist in Project Phases list related to the Project of that record.
WBSCode	String	Must Exist in Project WBS list.
_WBSName	String	Read-only. WBS Description.

CommitmentInfo

Properties/Variables	Data Type	Description
SystemId	Integer	Commitment System ID
Status	String	Required. Must exist in Workflow Statuses list.
Type	String	Required. Must exist in Commitment Types list.
ProjectNumber	String	Required. Must exist in Projects List.
CommitmentID	String	Required. Must be unique.
CompanyCode	String	Must exist in Companies list.
Category	String	Must exist in Commitment Categories list.
BillingTerms	String	Must exist in Billing Terms list.
RetentionOnServices	Decimal	Defaults to 10.0
RetentionOnStoredMaterials	Decimal	Defaults to 10.0
ShipVia	String	Must exist in Shipment Methods list
ShipTo	String	Must exist in Companies list.
CommitmentDetailInfo()	CommitmentDetailInfo	Array of CommitmentDetailInfo Classes.

CommitmentDetailInfo

Properties/Variables	Data Type	Description
SystemId	Integer	Commitment Detail System ID
CommitmentSystemId	Integer	Commitment System ID to which this detail belongs.
CostCode	String	Required. Must exist in the Project Cost Codes List.
UOM	String	Must exist in UOM list
UseUnits	Boolean	Indicates whether "UnitCost" is used to calculate the variables. If False "ExtCost" will be used for calculation.
ExtCost	Decimal	If UseUnits = True Then $ExtCost = .Quantity * .UnitCost$ Else $.UnitCost = ExtCost / .Quantity$
_TotalCost	Decimal	Automatically calculated. $_TotalCost = ExtCost + Adjustment1 + Tax + Adjustment2$.

FundingCode	String	Must exist in Funding Record Details list.
CompanyName	String	Must exist in Companies list.
AssignedToCode	String	Must exist in Companies list.
Period	String	Must exist in Project Periods list.
ProjectLocationName	String	Must Exist in Project Locations.
CostType	String	Must Exist in Cost Types list.
PhaseName	String	Must Exist in Project Phases list related to the Project of that record.
ManufacturerCode	String	Must exist in Companies list.
WBSCode	String	Must Exist in Project WBS list.
_WBSName	String	Read-only. WBS Description.

CommitmentCOInfo

Properties/Variables	DataType	Description
SystemId	Integer	Commitment CO System ID
ProjectNumber	String	Required. Must exist in Projects List.
CommitmentId	Integer	Required. Must exist in the Commitments List that are approved and related to the specified project.
_CompanyName	String	Read-only. It's the Commitment Company of the commitment that this change order relates to.
RecordNumber	String	Required. Must be Unique.
RequestedByCode	String	Must exist in Companies list.
AssignedToCode	String	Must exist in Companies list.
PostAs	String	Required. Default value "Original Scope". Must exist in "Post As" List.
Cause	String	Must exist in Causes List.
Status	String	Required. Must exist in workflow statuses list.
Category	String	Must exist in Commitment Categories list.
CommitmentCODetailInfo()	CommitmentCODetailInfo	Array of CommitmentCODetailInfo Classes.

CommitmentCODetailInfo

Properties/Variables	DataType	Description
SystemId	Integer	Commitment CO Detail System ID
CommitmentCOSystemId	Integer	Commitment CO System ID to which this detail belongs.
CommitmentLineId	Integer	Commitment Detail System ID to which this detail is related.
_CENumber	String	The Change Event Number to which this detail is related.
CostCode	String	Required. Must exist in the Project Cost Codes List.
UOM	String	Must exist in UOM list
UseUnits	Boolean	Indicates whether "UnitCostRequested" and "UnitCostApproved" are used to calculate the variables. If False "Amount Request" and "Amount Approved" will be used for calculation.
AmountRequested	Decimal	If UseUnits = True Then AmountRequested = .Quantity * .UnitCostRequested Else .UnitCostRequested = AmountRequested / .Quantity
AmountApproved	Decimal	If UseUnits = True Then AmountApproved = .Quantity * .UnitCostApproved Else .UnitCostApproved = AmountApproved / .Quantity
CompanyName	String	Must exist in Companies list.
AssignedToCode	String	Must exist in Companies list.

Period	String	Must exist in Project Periods list.
ProjectLocationName	String	Must Exist in Project Locations.
CostType	String	Must Exist in Cost Types list.
PhaseName	String	Must Exist in Project Phases list related to the Project of that record.
WBSCode	String	Must Exist in Project WBS list.
_WBSName	String	Read-only. WBS Description.

ProgressInvoiceInfo

Properties/Variables	Data Type	Description
SystemId	Integer	Progress invoice System ID
RecordNumber	String	Required. Must be Unique.
Status	String	Required. Must exist in Workflow Statuses list.
CostPeriod	String	Must exist in Project Periods list.
InvoiceType	String	Must exist in Invoice Types list.
Category	String	Must exist in Commitment Categories list.
BillingTerms	String	Must exist in Billing Terms list.
ProgressInvoiceDetailInfo()	ProgressInvoiceDetailInfo	Array of ProgressInvoiceDetailInfo Classes.

ProgressInvoiceDetailInfo

Properties/Variables	Data Type	Description
SystemId	Integer	Progress Invoice Detail System ID
ProgressInvoiceSystemId	Integer	Progress Invoice System ID to which this detail belongs .
AssignedToCode	String	Must exist in Companies list.
Period	String	Must exist in Project Periods list.
ProjectLocationName	String	Must Exist in Project Locations.
CostType	String	Must Exist in Cost Types list.
ReqCodeType	String	“Contract” for contract Details and ContractCO” for Contract Change Order Details.
ReqCodeId	Integer	Depending on ReqCodeType, it should refer to the SystemId of a contract detail or a contract change order detail that is related to the project.
PhaseName	String	Must Exist in Project Phases list related to the Project of that record.
TaskName	String	Must Exist in Project Tasks list.
WBSCode	String	Must Exist in Project WBS list.
_WBSName	String	Read-only. WBS Description.
UseUnits	Boolean	Indicates whether “CurrentQuantity” is used to calculate the variables. If False “CurrentInvoice” will be used for calculation.
_CommitmentDetailId	Integer	Commitment Detail System ID to which the Progress Invoice Detail is Linked.
_CommitmentCODetailId	Integer	Commitment CO Detail System ID to which the Progress Invoice Detail is Linked.
_ChangeEventDetailId	Integer	Change Event Detail System ID to which the progress Invoice Detail is linked.

Asset Management

PropertyInfo

Properties/Variables	DataType	Description
SystemId	ID	Location PMWeb System ID
ProgramId	String	Must exist in Location Programs list
LocationId	String	Required. Must be unique
Name	String	Required
LocationType	String	Must exist in Location Type list
OperatingProjectNumber	String	Must exist in Projects list. The currency of the selected project must match the location's currency
_ComponentOf	String	Read-only
Status	String	Required
Currency	String	Must exist in Currency list
AreaUOM	String	Must exist in UOM list
LinearAreaUOM	String	Must exist in UOM list
LengthUOM	String	Must exist in UOM list.
BeginDirection	String	Must exist in Direction list
EndDirection	String	Must exist in Direction list
StateKey	String	Must exist in States list
Country	String	Must exist in Countries list
ComponentType	String	Must exist in Component Types list
Barcode	String	Must be unique among all records
OwnerCode	String	Must exist in Companies list
ClientCode	String	Must exist in Companies list
TenantCode	String	Must exist in Companies list
AgentCode	String	Must exist in Companies list
AuthorityCode	String	Must exist in Companies list
OwnerContactCode	String	Must exist in Company Contacts list
OwnerContactCompanyCode	String	Must exist in Companies list
ManagerContactCode	String	Must exist in Company Contacts list
ManagerCompanyCode	String	Must exist in Companies list
SuperintendentContactCode	String	Must exist in Company Contacts list
SuperintendentCompanyCode	String	Must exist in Companies list

BuildingInfo

Properties/Variables	DataType	Description
SystemId	Integer	Building PMWeb System ID
LocationId	String	Required. Location code. Must exist in the <u>Active</u> Locations List.
Status	String	Required. Must exist in Status list. Draft is the default value
Code	String	Required. Building Code should be unique by location
Name	String	Required.
BeginDirection	String	Must Exist in Direction List
EndDirection	String	Must Exist in Direction List

LinearAreaUOM	String	Must exist in Linear UOM Area list (meters Lnft miles).
LengthUom	String	Must exist in Length UOM list (m2 Sqft hectares acres).
State	String	Must Exist in State list
Country	String	Must Exist in Country list
ComponentType	String	Must exist in Component Types list.
_ComponentOf	String	Read Only.
_OperatingProjectName	String	Read-only.
BarCode	String	Must be unique by database, if provided.

FloorInfo

Properties/Variables	Data Type	Description
SystemId	Integer	Equipment PMWeb System ID
FloorID	String	Required. Must be unique.
LocationID	String	Required.
BuildingID	String	Required.
Status	String	Required.
FloorName	String	Required.
InServiceDate	Date	Default today
LinearAreaUOM	String	Must exist in Linear area UOMlist
LengthUOM	String	Must exist in length UOMlist
BeginDirection	String	Must exist in Directionslist
EndDirection	String	Must exist in Directionslist
StateKey	String	Must exist in Stateslist
Country	String	Must exist in countrieslist
ComponentType	String	Must exist in Component Types List
Barcode	String	Must be unique

SpaceInfo

Properties/Variables	Data Type	Description
SystemId	ID	Location PMWeb System ID
LocationId	String	Required. Must be unique
BuildingId	String	Required
FloorId	String	Required
SpaceId	String	Required
Name	String	Required
SpaceType	String	Must exist in Space Type list
Sub-Type	String	Must exist in Sub-Type list
_OperatingProjectName	String	Read-only. The locations operation project name.
_ComponentOf	String	Read-only
Category	String	Must exist in Category List
Status	String	Required
_IsOccupied	Boolean	Read-Only. The value is True if the number of occupants >= 0
_IsLeased	Boolean	Read-Only. The value is True if this space is currently linked to a lease which has a Finisheddate > Today
_IsVacant	Boolean	Read-Only. The value is True if Capacity > 0 and the Occupant Counts = 0 and _IsLeased = False
AreaUOM	String	Must exist in UOM list

LinearAreaUOM

LengthUOM

BeginDirection

EndDirection

StateKey

Country

ComponentType

Barcode

String	Must exist in Linear UOM Arealist (meters Lnft miles).
String	Must exist in Length UOM list (m2 Sqft hectares acres).
String	Must exist in Direction list
String	Must exist in Direction list
String	Must exist in States list
String	Must exist in Countries list
String	Must exist in Component Types list
String	Must be unique among all records

EquipmentInfo

Properties/Variables	Data Type	Description
SystemId	Integer	Equipment PMWeb System ID
EquipmentID	String	Required. Must be unique.
Status	String	Required.
Name	String	Required.
LocationID	String	Required.
BuildingID	String	If exists it must be in the selected location
FloorId	String	If exists. BuildingID must exists and FloorId must be in the selected building
SpaceID	String	If exists. SpaceID must exists and SpaceID must be in the selected Floor
EquipmentType	String	Must exist in Equipment Types list
Ownership	String	Must exist in Ownership list
FunctionStatus	String	Must exist in Function Status list
TrackUseBy	String	Must exist in UOM list
TrackUseDays	Boolean	Default False
InServiceDate	Date	Default today
ServiceInterval	Double	
LastService	Double	
ServiceDue	Double	Read Only ServiceInterval + LastService
CurrentUsage	Double	Read Only. If TrackUseDays = false this is the latest reading from the log tap. If TrackUseDays = true This is today - InserviceDate
LifeRemaining	Double	Read Only. serviceDue - CurrentUsage
PercentageRemaining	Double	Read Only. LifeRemaining/ServiceInterval
LinearAreaUOM	String	Must exist in Linear area UOM list
LengthUOM	String	Must exist in length UOM list
BeginDirection	String	Must exist in Directions list
EndDirection	String	Must exist in Directions list
VendorCode	String	Must exist in companies list
ManufacturerCode	String	Must exist in companies list
ItemId	Integer	Must exist in Items List
ComponentType	String	Must exist in Component Types List
Barcode	String	Must be unique
EquipmentLogs()	EquipmentLogInfo	Array of EquipmentLogInfo Classes. Refer to EquipmentLogInfo class description

EquipmentLogInfo

Properties/Variables	Data Type	Description
SystemId	Integer	Equipment Log PMWeb System ID
LineNumber	Integer	Read Only

Source	String	Read Only. Default 'Log'
FluideType	String	Must exists in Fuid Types List
UOM	String	Must exist in UOM list
Quantity	Double	Default 1.
UnitCost	Double	
ExtCost	Double	Quantity * UnitCost
PreviousReading	Double	Read Only. The current reading of the previous line
CurrentReading	Double	
Usage	Double	Read Only. CurrentReading - PreviousReading

WorkOrderInfo

Properties/Variables	DataType	Description
SystemId	Integer	WorkOrder PMWeb System ID
WorkOrderID	String	Required. Must follow the "Unique By" Rule set for the WorkOrder in the RecordNumber settings (Unique By Location Unique By Program Unique By Portfolio)
Status	String	Required.
ProjectNumber	String	Must exist in Projects list, if provided. Defaults to all projects if empty.
LocationID	String	Required. Must exist in Location list.
WBS	String	Must exist in WBS list.
Maintenance Contract	String	Must exist in Maintenance Contract list.
Type	String	Must exist in WorkOrder Types list
Category	String	Must exist in WorkOrder Categories list
Priority	String	Must exist in Project Period list
Progress	String	Must exist in WorkOrder Progress list
BarCode	String	Must exist in Unique in database.
Email	String	Must be a valid Email Address.
Approximate Duration	integer	
WorkOrderResourcesInfo()	WorkOrderResourcesInfo	Array of WorkOrderResourcesInfo Classes. Refer to WorkOrderResourcesInfo class description

WorkOrderResourcesInfo

Properties/Variables	DataType	Description
SystemId	Integer	WorkOrder Resource PMWeb System ID
WorkOrderSystemId	Integer	PMWeb WorkOrder System IDto which the WorkOrder Resource belongs.
Resource	String	Must exist in Resourceslist.
Start Time	String	Must be in Time Format (10:00 PM or 22:00).
Finish Time	String	Must be in Time Format (10:00 PM or 22:00).
Classification	String	Must exist in Classification List that is related to Resource Type.
PayTypes	Integer	Must exist in PayTypes List that is related to Resource Type.
Cost Code	String	Must exist in Cost Code list that is related to the record's Project.
Period	String	Must exist in Project period list that is related to the record's Project.
TotalCost	Decimal	Total Hours * Rate.

WorkRequestInfo

Properties/Variables	Data Type	Description
SystemId	Integer	Work Request PMWeb System ID
ContactName	String	Required.
Status	String	Required.
ContactEmail	String	Must be valid , if provided .
LocationId	String	Required .Must exist in the <u>Active</u> Locations List.
RecordNumber	String	Required. Must be unique.
Type	String	Must exist in Work Orders Types list
Category	String	Must exist in Work Orders Categories list
WBSCode	String	Must exist in WBS list, if provided . e.g of WbsCode (Level1.Level2.Level3...)
_WBSName	String	Read-only. WBSCode+WBS Description
_LinkedWorkorder	String	Read-only. Linked (Work Order Record Number + Work Order Description)
ReportedByCompanyCode	String	Must exist in <u>Active</u> Companies List , if provided .
ReportedByCompanyContactID	String	Must exist in the Reported By Company <u>active</u> Contacts list , if provided.
_ReportedBy	String	Read-only. Company Name + CompanyContact First Name + CompanyContact Last Name .
BarCode	String	Must be unique by database, if provided.

Toolbox

TimeSheetsInfo

Properties/Variables	Data Type	Description
SystemId	Integer	TimeSheetsInfoPMWeb System ID
FromDate	Date	Defaults to today
ToDate	Date	Default FromDate plus six days
Status	String	Required.
ProjectNumber	String	Must exist in Projects list, if provided. Defaults to all projects if empty.
ProgramNumber	String	Must exist in Programs list, if provided. Defaults to "Portfolio" if empty.
ResourceName	String	Must exist in Resources list.
FundingCode	String	Must exist in Funding Record list.
_RecordNumber	Integer	Read-Only. Refer To theSystemId
_TimeSheetNumber	string	Read-Only. Defaults To zero . Incremented plus one after each Generate next.
PostToNonCommitmentCost	Boolean	Default Value True
Period	String	Must exist in Project Period list
PaymentMethod	String	Must exist in Payment Method Types list
TimeSheetsDetail()	TimeSheetsDetailInfo	Array of TimeSheetsDetailInfo Classes. Refer to TimeSheetsDetailInfo class description

TimeSheetsDetailInfo

Properties/Variables	Data Type	Description
SystemId	Integer	Time Sheets DetailSystem ID
ResourceName	String	Required. Must exist in Resources list.
_ResourceNumber	String	Read only.
TimeSheetSystemId	Integer	PMWeb Time Sheets System ID to which the TimeSheetsDetail belongs.
ProjectNumber	String	Must exist in Projects list, if provided. Defaults to all projects if empty.
TaskName	String	Must Exist in Project Tasks list.
RequisitionId	Integer	Must exist in ApprovedRequisition list that is related to the Project
_Requisition	String	Read-only. RequisitionNumber + Requisition Description
Cost Code	String	Must exist in Cost Code list that is related to the record's Project
FundingCode	String	Must exist in Funding Record list.
(M/T/W/Th/F/Sa/Su)	Decimal	Variable that contains number of hours
_Total	Decimal	Total number of hours
ReqCodeType	String	"Contract" for contract Details and ContractCO" for Contract Change Order Details.
ReqCodeId	Integer	Depending on ReqCodeType, it should refer to the SystemId of a contract detail or a contract change order detail that is related to the project.

Period
ClassificationName
_ClassificationCode
PayTypeCode
_PayTypeName

String	Must exist in Project period list
String	Must exist in Resource Classification list
String	Read only Resource Classification code
String	Must exist in Resource PayType list
String	Read only Resource PayType Description

Global Tabs

NotesInfo

Properties/Variables	Data Type	Description
SystemObjectType	String	Required. Object Type of the record to which the notes belongs
SystemRecordId	Integer	Required. Record System ID of the record to which the notes belongs
Notes()	Note	Array of Note Classes. Refer to Note class description

Note

Properties/Variables	Data Type	Description
SystemId	Integer	Note PMWeb System ID
Description	String	Required
Notes	String	Required
_Item	String	Read-only. Item Number (Note's line number)

SpecificationGroupInfo

Properties/Variables	Data Type	Description
SystemId	Integer	Specification Group PMWeb System ID
GroupName	String	Required. Must exist in Specification groups
SystemObjectType	String	Required
SystemRecordId	String	Required
Notes	String	
Specs()	SpecificationInfo()	Array of SpecificationInfo classes

SpecificationInfo

Properties/Variables	Data Type	Description
Spec	String	
UOM	String	Must exist in UOM list
Type	String	Must exist in Specification Types list
Data	String	
Notes	String	

AttachmentInfo

Properties/Variables	Data Type	Description
SystemObjectType	String	Object Type of the record to which the Attachment belongs
SystemRecordId	Integer	ID of the record to which the Attachment belongs
Attachments()	Attachment	Array of Attachment Classes

Attachment

Properties/Variables	Data Type	Description
SystemId	Integer	
AttachmentOption	String	Required. "Upload" and "URL" options only
URL	String	Required if "URL" option was specified
FileName	String	Required if "Upload" option was specified. Maximum name length is 150 characters
FileExtension	String	Required if "Upload" option was specified
FileContent	Byte()	Required if "Upload" option was specified
_FileGUID	String	Read-only. Unique Identifier of a file in PMWeb

ClausesInfo

Properties/Variables	Data Type	Description
SystemObjectType	String	Required. Object Type of the record to which the clause belongs
SystemRecordId	Integer	Required. Record System ID of the record to which the clauses belongs
Clauses()	Clause	Array of Clause Classes. Refer to Clause class description

Clause

Properties/Variables	Data Type	Description
SystemId	Integer	Clause PMWeb System ID
Description	String	Required
Category	String	Must exist in Clause Categories list
Type	String	Must exist in Clause Types list
Responsible	String	Must exist in Clause Responsible list

AdjustmentInfo

Properties/Variables	Data Type	Description
SystemObjectType	String	Required. Object Type of the record to which the Adjustments belongs
SystemRecordId	Integer	Required. Record System ID of the record to which the Adjustments belongs
Adjustment()	Adjustment	Array of Adjustment Classes. Refer to Adjustment class description

Adjustment

Properties/Variables	Data Type	Description
SystemId	Integer	Adjustment PMWeb System ID
Column	String	Required
Category	String	Must exist in Adjustment Categories list
AdjustmentGroupCompany	String	Must exist in Companies list
AdjustmentCompany	String	Must exist in Companies list
CostTypes	String	Must exist in Cost Types list, Comma (,)seperated values.
AdjustmentType	String	Must exist in Adjustment Types list
CostCode	String	Required if “Cost Code Required” option is set for the specified project and Object type. Must exist in the Cost Codes list of the related record project
AppendLine	Boolean	Append new line to the record detail related to this adjustment, or update if already exists
IsCumulative	Boolean	Accumulates all pervious adjustment amounts

CheckListsInfo

Properties/Variables	DataType	Description
SystemObjectType	String	Required. Object Type of the record to which the CheckLists belongs
SystemRecordId	Integer	Required. Record System ID of the record to which the CheckLists belongs
SubmittedBy	String	Must exist in Resources list
SubmittedDate	Date?	
ChecListsTasks()	CheckListTask	Array of CheckListsTasks Classes. Refer to CheckListsTasks class description

CheckListTask

Properties/Variables	DataType	Description
SystemId	Integer	Adjustment PMWeb System ID
_Task	String	Read-Only. Task Number
Type	String	Must exist in Task Types list
AssignedTo	String	Must exist in Resources list
Skills()	String	Comma(,) Separated values. Must exist in Skills list. Accepts "All" value
CheckListSteps()	CheckListStep	Array of ChecklistStep Classes

CheckListStep

Properties/Variables	DataType	Description
SystemId	Integer	Adjustment PMWeb System ID
_Step	String	Read-Only. Step Number
Type	String	Must exist in Step Types list
AssignedTo	String	Must exist in Resourceslist
Skills()	String	Comma(,) Separated values. Must exist in Skills list. Accepts "All" value
TaskSystemId	Integer	System ID of the Checklist Task to which the step belongs

Operations

Note 1: All “initiate” operations (e.g. “initiateCompanyInfo”, “initiateDepartmentInfo”, etc.) return a default new instance class of the desired class (e.g. *CompanyInfo*). This serves to declare a variable having the properties of that class.

Note 2: Some Object Types support workflow. If a specified record is in a workflow process, Edit, Update and Delete operations may be restricted.

Note 3: Update Operations require having both the SystemId of the record that needs to be updated and its parent system ID (if the record is a detail). For example, if a Commitment Detail needs to be updated, Commitment Detail System ID must be provided along with the Commitment System ID to which it belongs.

Note 4: Date formats expected are: YYYY/MM/DD , YYYY-MM-DD, MM/DD/YYYY, MM-DD-YYYY.
If SOAP Xml Request is used, “YYYY-MM-DD” is the required format.

Projects Operations

This section lists Projects related operations that PMWeb API supports. Those operations are accessible from <http://<YourWebServiceDomain>/Portfolio/Projects.asmx>.

Operations List

- initiatePMWebCredentials
- initiateProjectInfo
- initiateResultInfo
- [GetProjectWBS](#)
- [GetProgramWBS](#)
- [GetProjectRequisitionCode](#)
- [GetProjectTasks](#)
- [GetProjectById](#)
- [GetProjectsList](#)
- [GetProjectsByIds](#)
- [GetProjects](#)
- [AddProjects](#)
- [UpdateProjects](#)
- [DeleteProjects](#)

Operations

DeleteProjects

Input Parameters	Parameter	Type	Description
	Ids()	Integer()	Array of Project System Ids
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType = "Project" StatusCode = "S" ReferenceId = Project SystemID
Considerations	- Warning: Deleting the project deletes all the records from all Record Types dependent on this Project.		
Exception Messages	Type	Status Messages	
	ResultInfo()	- Record in workflow cannot be deleted.	

GetProjectById

Input Parameters	Parameter	Type	Description
	ProjectId	Integer	Project System ID
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ProjectInfo	Class	
Exception Messages	Type	Status Messages	
		Server exception message if any occurred	

GetProjectsByIds

Input Parameters	Parameter	Type	Description
	Ids()	Integer()	Array Project System ID
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ProjectInfo()	Class	Array of ProjectInfo
Exception Messages	Type	Status Messages	
		Server exception message if any occurred	

GetProjectsList

Input Parameters	Parameter	Type	Description
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ProjectInfo()	Class	Array of ProjectInfo Classes.
Exception Messages	Type	Status Messages	
		Server exception message if any occurred	

AddProjects

Input Parameters	Parameter	Type	Description
	ProjectInfo()	Class	Array of ProjectInfo Class
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType = "Project" StatusCode = "S" ReferenceId = Project ClientID
Considerations	- The Project selected should have a currency that matches the Locations Currency.		
Exception Messages	Type	Status Messages	
	ResultInfo()	- ProjectNumber is required. - ProjectName is required. - Status is required. - Currency is required. - Project Number must be unique. - Project Name must be unique. - Program Not in List. - Location Not in List - Status Not In List. - Currency Not in List. - Project Status Not in List. - Project Type Not in List. - Project Category Not in List - UOM Not in List. - Country Not in List. - Component Type Not in List. - State No in List - Country Not in List - Client Not in List. - GC Not in List. - Architect Company Not in List. - Commitment Company Not in List. - Owner Not in List.	

UpdateProjects

Input Parameters	Parameter	Type	Description
	ProjectInfo()	Class	Array of ProjectInfo Class
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType = "Project" StatusCode = "S" ReferenceId = Project SystemID
Considerations	- The Project selected should have a currency that matches the Locations Currency.		
Exception Messages	Type	Status Messages	
	ResultInfo()	- ProjectNumber is required. - ProjectName is required. - Status is required. - Currency is required. - Project Number must be unique. - Project Name must be unique. - Project Currency cannot be saved because it does not match one or more linked Locations as the Operating Project. - Program Not in List. - Location Not in List - Status Not In List. - Currency Not in List. - Project Status Not in List. - Project Type Not in List. - Project Category Not in List - UOM Not in List. - Country Not in List. - Component Type Not in List. - State No in List - Country Not in List - Client Not in List. - GC Not in List. - Architect Company Not in List. - Commitment Company Not in List. - Owner Not in List. - Record in workflow cannot be edited.	

GetProjects

Filters Projects based on the values sent.

Input Parameters	Parameter	Type	Description
	ProgramName	String	
	ProgramCode	String	
	ProjectName	String	
	DocumentNumber	String	
	Type	String	
	Category	String	
	LocationName	String	
	LocationCode	String	
	Status	String	
	ProjectStatus	String	
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ProjectInfo()	Class	Array of ProjectInfo
Exception Messages	Type	Status Messages	
		Server exception message if any occurred	

GetProjectWBS

Input Parameters	Parameter	Type	Description
	ProjectNumber	String	
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ProjectWBSInfo()	Class	Array of ProjectWBSInfo Classes
Exception Messages	Type	Status Messages	
		Server exception message if any occurred	

GetProgramWBS

Input Parameters	Parameter	Type	Description
	ProgramNumber	String	
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ProgramWBSInfo()	Class	Array of ProgramWBSInfo Classes
Exception Messages	Type	Status Messages	
		Server exception message if any occurred	

GetProjectRequisitionCode

Input Parameters	Parameter	Type	Description
	ProjectNumber	String	
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	RequisitionCodeInfo()	Class	Array of RequisitionCodeInfo Classes
Exception Messages	Type	Status Messages	
		Server exception message if any occurred	

GetProjectTasks

Input Parameters	Parameter	Type	Description
	ProjectNumber	String	
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ProjectTaskInfo()	Class	Array of ProjectTaskInfo Classes
Exception Messages	Type	Status Messages	
		Server exception message if any occurred	

Programs

This section lists Programs related operations that PMWeb API supports. Those operations are accessible from <http://<YourWebServiceDomain>/Portfolio/Programs.asmx>.

Operations List

- initiatePMWebCredentials
- initiateProjectInfo
- initiateResultInfo
- [GetProgramById](#)
- [GetProgramsList](#)
- [GetProgramsByIds](#)
- [GetPrograms](#)
- [AddPrograms](#)
- [UpdatePrograms](#)
- [DeletePrograms](#)

Operations

DeletePrograms

Input Parameters	Parameter	Type	Description
	Ids()	Integer()	Array of Program System Ids
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType = "Program" StatusCode = "S" ReferenceId = Program SystemID
Considerations			
Exception Messages	Type	Status Messages	
	ResultInfo()	- Record in workflow cannot be deleted.	

GetProgramById

Input Parameters	Parameter	Type	Description
	ProgramId	Integer	Program System ID
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ProgramInfo	Class	
Exception Messages	Type	Status Messages	
		Server exception message if any occurred	

GetProgramsByIds

Input Parameters	Parameter	Type	Description
	Ids()	Integer()	Array Program System ID
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ProgramInfo	Class	Array of ProgramInfo class
Exception Messages	Type	Status Messages	
		Server exception message if any occurred	

GetProgramsList

Input Parameters	Parameter	Type	Description
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ProgramInfo()	Class	Array of ProgramInfo Classes.
Exception Messages	Type	Status Messages	
		Server exception message if any occurred	

AddPrograms

Input Parameters	Parameter	Type	Description
	ProgramInfo()	Class	Array of ProgramInfoClass
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType = "Program" StatusCode = "S" ReferenceId = Program ClientID
Considerations			
Exception Messages	Type	Status Messages	
	ResultInfo()	- ProgramNumber is required. - ProgramName is required. - ProgramNumber must be unique. - ProgramName must be unique. - Location Not in List - Program Status Not In List. - Program Currency Not in List. - Project Currency Not in List. - Project Status Not in List. - Program Status Not in List - Project Type Not in List. - Program Type Not in List. - Program Manager Company Not in List. - UOM Not in List. - Country Not in List. - State No in List - Country Not in List - Client Not in List. - GC Not in List. - Architect Not in List.	

UpdatePrograms

Input Parameters	Parameter	Type	Description
	ProgramInfo()	Class	Array of ProgramInfoClass
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType = "Program" StatusCode = "S" ReferenceId = Program SystemID
Considerations			
Exception Messages	Type	Status Messages	
	ResultInfo()	- Record in workflow cannot be edited. - ProgramNumber is required. - ProgramName is required. - ProgramNumber must be unique. - ProgramName must be unique. - Location Not in List - Program Status Not In List. - Program Currency Not in List. - Project Currency Not in List. - Project Status Not in List. - Program Status Not in List - Project Type Not in List. - Program Type Not in List. - Program Manager Company Not in List. - UOM Not in List. - Country Not in List. - State No in List - Country Not in List - Client Not in List. - GC Not in List. - Architect Not in List.	

GetPrograms

Filters Projects based on the values sent.

Input Parameters	Parameter	Type	Description
	ProgramName	String	
	ProgramNumber	String	
	ProgramStatus	String	
	ProgramType	String	
	ProgramManager	String	
	ProgramManagerCompanyName	String	
	ProgramManagerCompanyCode	String	
	ProgramDirector	String	
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ProgramInfo()	Class	Array of ProgramInfo
Exception Messages	Type	Status Messages	
		Server exception message if any occurred	

Companies

Operations List

This section lists all the company related operations that the PMWeb API supports. Those operations are accessible from <http://<YourWebServiceDomain>/Portfolio/Companies.asmx>.

Connecting to PMWeb

- [initiatePMWebCredentials](#) (Returns default new PMWebCredentials class)

Companies Operations

- [AddCompanies](#)
- [AddCompany](#)
- [AddContacts](#)
- [AddDepartments](#)
- [AddInsurances](#)
- [AddAddresses](#)
- [DeleteCompanies](#)
- [DeleteAddresses](#)
- [DeleteContacts](#)
- [DeleteDepartments](#)
- [DeleteInsurances](#)
- [GetCompanies](#)
- [GetCompaniesList](#)
- [GetCompaniesByIds](#)

- [GetCompanyById](#)
- [UpdateCompanies](#)
- [UpdateCompany](#)
- initiateCompanyInfo (Returns default new CompanyInfo class)
- initiateAddressInfo (Returns default new AddressInfo class)
- initiateContactInfo (Returns default new ContactInfo class)
- initiateDepartmentInfo (Returns default new DepartmentInfo class)
- initiateInsuranceInfo (Returns default new InsuranceInfo class)

Operations

AddCompany/AddCompanies

Input Parameters	Parameter	Type	Description
	CompanyInfo {OR CompanyInfo() If AddCompanies }	Class	Holds all Company fields along with Departments class, Addresses class and Contacts class.
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType = "Company" StatusCode = "S" ReferenceId = ClientId of the company
Exception Messages	Type	Status Messages	
	ResultInfo()	Companies - Company ID must be unique. - Name is required. - Type Not in List. - Country Not in List. - Billing Terms Not in List. - The company is used; it can't be deleted. Company Contacts - Contact ID must be unique. - Department Not In List. - Address Not In List. - Type Not in List. Company Department - Department Name is required. - Address Not In List. - Type Not in List. Company Addresses - Address ID is required. - State Not in List. - Country Not in List. - Type Not in List.	

AddContact

Input Parameters	Parameter	Type	Description
	ContactInfo	Class	Array of ContactInfo Classes
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType = "Contact" StatusCode = "S" ReferenceId = ContactClientID
Exception Messages	Type	Status Messages	
	ResultInfo()	- Contact ID must be unique. - Department Not In List.	

	- Address Not In List. - Type Not in List.
--	---

AddAddresses

Input Parameters	Parameter	Type	Description
	AddressInfo	Class	Array of AddressInfo Classes
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType = "Address" StatusCode = "S" ReferenceId = Address ClientID
Exception Messages	Type	Status Messages	
	ResultInfo()	- Address ID is required. - State Not in List. - Country Not in List. - Type Not in List.	

AddDepartments

Input Parameters	Parameter	Type	Description
	DepartmentInfo	Class	Array of Departmentinfo Classes
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType = "Address" StatusCode = "S" ReferenceId = Address ClientID
Exception Messages	Type	Status Messages	
	ResultInfo()	- Department Name is required. - Address Not In List. - Type Not in List.	

AddInsurance

Input Parameters	Parameter	Type	Description
	InsuranceInfo	Class	Array of InsuranceInfo Classes
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType = "Address" StatusCode = "S" ReferenceId = Address ClientID
Exception Messages	Type	Status Messages	
	ResultInfo()	- Department Name is required. - Address Not In List. - Type Not in List.	

UpdateCompany /UpdateCompanies

Input Parameters	Parameter CompanyInfo {OR CompanyInfo() If AddCompanies }	Class	Holds all Company fields along with Departments class, Addresses class and Contacts class.
	PMWebCredentials	Class	
Output Parameters	Parameter ResultInfo()	Class	Object Type = "Company" Status Code = "S" Reference Id = PMWeb Company System ID
	-		
Considerations	- ContactInfo and AddressInfo Classes with system Id = - 1 will be added. - Contacts that are not included in the ContactInfo list will be deleted from PMWeb Database.		
Exception Messages	Type	Status Messages	
	ResultInfo()	Companies - Company ID must be unique. - Name is required. - Type Not in List. - Country Not in List. - Billing Terms Not in List. - The company is used; it can't be deleted. Company Contacts - Contact ID must be unique. - Department Not In List. - Address Not In List. - Type Not in List. Company Department - Department Name is required. - Address Not In List. - Type Not in List. Company Addresses - Address ID is required. - State Not in List. - Country Not in List. - Type Not in List.	

DeleteCompanies

Input Parameters	Parameter	Type	Description
	CompanyIds	Integer()	Array of Company Ids
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType = "Company" StatusCode = "S" ReferenceId = PMWeb Company System ID
Exception Messages	Type	Status Messages	
	ResultInfo()	- The company is used; it can't be deleted.	

DeleteAddresses

Input Parameters	Parameter	Type	Description
	Ids	Integer()	Array of Address Ids
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType = "Address" StatusCode = "S" ReferenceId = PMWeb Address System ID
Exception Messages	Type	Status Messages	
	ResultInfo()	Server exception message if any occurred	

DeleteContacts

Input Parameters	Parameter	Type	Description
	Ids	Integer()	Array of Contact Ids
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType = "Contact " StatusCode = "S" ReferenceId = PMWeb Contact System ID
Exception Messages	Type	Status Messages	
	ResultInfo()	-This contact cannot be deleted because it is linked to a PMWeb user account. Remove the link in PMWeb security and then try your delete again.	

DeleteDepartments

Input Parameters	Parameter	Type	Description
	Ids	Integer()	Array of DepartmentsIds
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType = "Department" StatusCode = "S" ReferenceId = PMWeb Department System ID
Exception Messages	Type	Status Messages	
	ResultInfo()	Server exception message if any occurred	

DeleteInsurances

Input Parameters	Parameter	Type	Description
	Ids	Integer()	Array of Insurance Ids
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType = " Insurance" StatusCode = "S" ReferenceId = PMWeb Insurance System ID
Exception Messages	Type	Status Messages	
	ResultInfo()	Server exception message if any occurred	

GetCompanies

Filters companies that match the field values provided.

Input Parameters	Parameter	Type	Description
	CompanyID	String	Company ID
	CompanyName	String	
	Type	String	
	Reference	String	
	Country	String	
	billingTerms	String	
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	CompanyInfo()	Class	Array of CompanyInfo Classes
Exception Messages	Type	Status Messages	
		Server exception message if any occurred	

GetCompaniesList

Input Parameters	Parameter	Type	Description
------------------	------------------	-------------	--------------------

Output Parameters	PMWebCredentials	Class	
Exception Messages	Parameter	Type	Description
	CompanyInfo()	Class	Array of CompanyInfo Classes
Exception Messages	Type	Status Messages	
		Server exception message if any occurred	

GetCompaniesByIds

Input Parameters	Parameter	Type	Description
	Ids()	Integer()	Array of Company System Ids
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	CompanyInfo()	Class	Array of CompanyInfo Classes
Exception Messages	Type	Status Messages	
		Server exception message if any occurred	

GetCompaniesById

Input Parameters	Parameter	Type	Description
	ID	Integer	Company System ID
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	CompanyInfo	Class	CompanyInfo Class
Exception Messages	Type	Status Messages	
		Server exception message if any occurred	

PMWeb Lists

Operations List

This section lists all the PMWebLists related operations that the PMWeb API supports. Those operations are accessible from <http://<YourWebServiceDomain>/Portfolio/PMWebLists.asmx>.

Connecting to PMWeb

- initiatePMWebCredentials (Returns default new PMWebCredentials class)

AdvancedPMWebLists Operations

- [AddLists](#)
- [AddList](#)
- [AddListItems](#)
- [UpdateLists](#)
- [UpdateList](#)
- [UpdateListItems](#)
- [DeleteLists](#)
- [DeleteListItems](#)
- [GetAllLists](#)
- [GetAllListsWithItems](#)
- [GetListsByIds](#)
- [GetLists](#)
- InitiateListInfo (Returns default new ListInfo class)
- initiateListItem (Returns default new ListItem class)

Operations

AddLists/AddList

Input Parameters	Parameter	Type	Description
	ListInfo { OR ListInfo() if AddLists }	Class	Array of ListInfo Classes
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType = "User Defined List" StatusCode = "S" SystemId = PMWeb Account List Item System ID
Exception Messages	Type	Status Messages	
	ResultInfo()	- User Defined List already used.	

AddListItems

Input Parameters	Parameter	Type	Description
	ListInfo { OR ListInfo() if AddLists }	Class	Array of ListInfo Classes
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType = "User Defined List Item" StatusCode = "S" SystemId = PMWeb List System ID
Exception Messages	Type	Status Messages	
	ResultInfo()	- User Defined List Item already used.	

UpdateLists/UpdateList

Input Parameters	Parameter	Type	Description
	ListInfo { OR ListInfo() if UpdateLists }	Class	Array of ListInfo Classes
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType = " User Defined List" StatusCode = "S" ReferenceId = PMWeb List System ID
Exception Messages	Type	Status Messages	
	ResultInfo()	- User Defined List is system and can't be updated - Record does not exist or Description is not unique. - Record does not exist.	

UpdateListItem

Input Parameters	Parameter	Type	Description
	UserDefinedListItems()	Class	Array of ListItem Classes
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType = " User Defined List Item" ReferenceId = List Item Description StatusCode = "S"
Exception Messages	Type	Status Messages	
	ResultInfo()	- Record does not exist or Description is not unique.	

DeleteLists

Input Parameters	Parameter	Type	Description
	Ids()	Integer()	Array of PMWebList Ids
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType = "User Defined List" StatusCode = "S" ReferenceId = PMWeb List System ID
Exception Messages	Type	Status Messages	
	ResultInfo()	- Record does not exist. - List is system can't be deleted	

DeleteListItems

Input Parameters	Parameter	Type	Description
	Ids()	Integer()	Array of ListItem Ids
	ListId	Integer	PMWeb List System Id
Output Parameters	PMWebCredentials	Class	
	Parameter	Type	Description
	ResultInfo()	Class	ObjectType = "User Defined List Item" StatusCode = "S" ReferenceId = PMWeb List System ID
Exception Messages	Type	Status Messages	
	ResultInfo()	- Record does not exist or list item is system can't be deleted.	

GetAllLists

Input Parameters	Parameter	Type	Description
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ListInfo()	Class	Array of ListInfo Classes
Exception Messages	Type	Status Messages	
		Server exception message if any occurred	

GetAllListsWithItems

Input Parameters	Parameter	Type	Description
	IncludeInactive	Boolean	
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ListInfo()	Class	Array of ListInfo Classes
	ListItem()	Class	Array of ListItem Classes
Exception Messages	Type	Status Messages	
		Server exception message if any occurred	

GetListsByIds

Input Parameters	Parameter	Type	Description
	Ids()	Integer()	Array of PMWebList Ids
	IncludeInactive	Boolean	
	PMWebCredentials	Class	
	Parameter	Type	Description

Output Parameters

ListInfo()	Class	Array of ListInfo Classes
ListItem()	Class	Array of ListItem Classes

Exception Messages

Type	Status Messages
	Server exception message if any occurred

GetLists**Input Parameters**

Parameter	Type	Description
IncludeInactive	Boolean	
IsActive	Boolean	
DisplayName	String	PMWebList Friendly Name
PMWebCredentials	Class	

Output Parameters

Parameter	Type	Description
ListInfo()	Class	Array of ListInfo Classes
ListItem()	Class	Array of ListItem Classes

Exception Messages

Type	Status Messages
	Server exception message if any occurred

Advanced PMWeb Lists**Operations List**

This section lists all the AdvancedPMWebLists related operations that the PMWeb API supports. Those operations are accessible from <http://<YourWebServiceDomain>/Portfolio/AdvancedPMWebLists.asmx>.

Connecting to PMWeb

- [initiatePMWebCredentials](#) (Returns default new PMWebCredentials class)

AdvancedPMWebLists Operations

- [GetAccountListItemById](#)
- [GetAccountListItemList](#)
- [GetAccountListItemByIds](#)
- [GetAccountListItems](#)
- [AddAccountListItems](#)
- [AddAccountListItem](#)
- [UpdateAccountListItems](#)
- [UpdateAccountListItem](#)
- [DeleteAccountListItem](#)
- [GetBillingTermsListItemById](#)
- [GetBillingTermsListItemList](#)
- [GetBillingTermsListItemByIds](#)

- [GetBillingTerms](#)
- [AddBillingTermsListItems](#)
- [AddBillingTermsListItem](#)
- [UpdateBillingTermsListItems](#)
- [UpdateBillingTermsListItem](#)
- [DeleteBillingTermsListItem](#)
- [GetCausesListItems](#)
- [AddClausesListItems](#)
- [AddClausesListItem](#)
- [AddClausesLists](#)
- [AddClausesList](#)
- [UpdateClausesListItems](#)
- [UpdateClausesListItem](#)
- [UpdateClausesLists](#)
- [UpdateClausesList](#)
- [DeleteClausesListItem](#)
- InitiateAccountListItem (Returns default new AccountListInfo class)
- initiateBillingTermsListItem (Returns default new BillingTermsListItemInfo class)

Operations

GetAccountListItemById

Input Parameters	Parameter	Type	Description
	ID	Integer	Account List Item System ID
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	AccountListItemInfo	Class	AccountListItemInfo Class
Exception Messages	Type	Status Messages	
		Server exception message if any occurred	

GetAccountListItemList

Input Parameters	Parameter	Type	Description
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	AccountListItemInfo ()	Class	Array of AccountListItemInfo Classes
Exception Messages	Type	Status Messages	
		Server exception message if any occurred	

GetAccountListItemByIds

Input Parameters	Parameter	Type	Description
	Ids()	Integer()	Array of AccountListItem System Ids
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	AccountListItemInfo ()	Class	Array of AccountListItemInfo Classes
Exception Messages	Type	Status Messages	
		Server exception message if any occurred	

GetAccountListItems

Filters Account List Items that match the field values provided.

Input Parameters	Parameter	Type	Description
	Code	String	Account List Code
	Description	String	
	IsActive	Boolean	
	PMWebCredentials	Class	
	Parameter	Type	Description

Output Parameters

AccountListItemInfo()	Class	Array of AccountListItemInfo Classes
---------------------------------------	-------	--------------------------------------

Exception Messages

Type	Status Messages
	Server exception message if any occurred

AddAccountListItems/ AddAccountListItem**Input Parameters**

Parameter	Type	Description
AccountListItemInfo { OR AccountListItemInfo() if AddAccountListItems }	Class	Array of AccountListItemInfo Classes
PMWebCredentials	Class	

Output Parameters

Parameter	Type	Description
ResultInfo()	Class	ObjectType = "Account List Item" StatusCode = "S" SystemId = PMWeb Account List Item System ID

Exception Messages

Type	Status Messages
ResultInfo()	- User Defined List already used.

UpdateAccountListItems/ UpdateAccountListItem**Input Parameters**

Parameter	Type	Description
AccountListItemInfo { OR AccountListItemInfo() if AddAccountListItems }	Class	Array of AccountListItemInfo Classes
PMWebCredentials	Class	

Output Parameters

Parameter	Type	Description
ResultInfo()	Class	ObjectType = "Account List Item" StatusCode = "S" ReferenceId = PMWeb Account List Item System ID

Exception Messages

Type	Status Messages
ResultInfo()	- Record does not exist.

DeleteAccountListItem

Input Parameters	Parameter	Type	Description
	Ids()	Integer()	Array of AccountListItem Ids
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType = "Account List Item" StatusCode = "S" ReferenceId = PMWeb Account List Item System ID
Exception Messages	Type	Status Messages	
	ResultInfo()	- Record does not exist.	

GetBillingTermsListItemById

Input Parameters	Parameter	Type	Description
	ID	Integer	Billing Term List Item System ID
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	BillingTermsListItemInfo	Class	BillingTermsListItemInfo Class
Exception Messages	Type	Status Messages	
		Server exception message if any occurred	

GetBillingTermsListItemList

Input Parameters	Parameter	Type	Description
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	BillingTermsListItemInfo()	Class	Array of BillingTermsListItemInfo Classes
Exception Messages	Type	Status Messages	
		Server exception message if any occurred	

GetBillingTermsListItemByIds

Input Parameters	Parameter	Type	Description
	Ids()	Integer()	Array of BillingTermsListItem System Ids
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	BillingTermsListItemInfo()	Class	Array of BillingTermsListItemInfo Classes

Exception Messages

Type	Status Messages
	Server exception message if any occurred

GetBillingTerms

Filters Billing Terms List Items that match the field values provided.

Input Parameters	Parameter	Type	Description
	Terms	String	Billing Terms List Term
	Unit Name	String	
	InActive	String	
	PMWebCredentials	Class	

Output Parameters

Parameter	Type	Description
BillingTermsListItemInfo()	Class	Array of BillingTermsListItemInfo Classes

Exception Messages

Type	Status Messages
	Server exception message if any occurred

AddBillingTermsListItems/ AddBillingTermsListItem

Input Parameters	Parameter	Type	Description
	BillingTermsListItemInfo { OR BillingTermsListItemInfo () if AddBillingTermsListItems }	Class	Array of BillingTermsListItemInfo Classes
	PMWebCredentials	Class	

Output Parameters

Parameter	Type	Description
ResultInfo()	Class	ObjectType = "Billing Term List Item" StatusCode = "S" SystemId = PMWeb BillingTermListItem System ID

Exception Messages

Type	Status Messages
ResultInfo()	- User Defined List already used.

UpdateBillingTermsListItems/ UpdateBillingTermsListItem

Input Parameters	Parameter	Type	Description
	BillingTermsListItemInfo { OR BillingTermsListItemInfo () if AddAccountListItems }	Class	Array of BillingTermsListItemInfo Classes
	PMWebCredentials	Class	
	Parameter	Type	Description

Output Parameters

ResultInfo()	Class	ObjectType = " Billing Term List Item " StatusCode = "S" ReferenceId = PMWeb Billing Term List Item System ID
------------------------------	-------	---

Exception Messages

Type	Status Messages
ResultInfo()	- Record does not exist.

DeleteBillingTermsListItem**Input Parameters**

Parameter	Type	Description
Ids()	Integer()	Array of BillingTermsListItemInfo Ids
PMWebCredentials	Class	

Output Parameters

Parameter	Type	Description
ResultInfo()	Class	ObjectType = " Billing Term List Item " StatusCode = "S" ReferenceId = PMWeb Billing Term List Item System ID

Exception Messages

Type	Status Messages
ResultInfo()	- Record does not exist.

GetCausesListItems**Input Parameters**

Parameter	Type	Description
RecordType	String	Clauses List Item PMWeb Record type
ListType	String	Clauses List Item Type
PMWebCredentials	Class	

Output Parameters

Parameter	Type	Description
ClausesListItems()	Class	Array of ClausesListItems Classes

Exception Messages

Type	Status Messages
	Server exception message if any occurred

AddClausesListItems/ AddClausesListItem

Input Parameters	Parameter	Type	Description
	ClausesListItems OR ClausesListItems() if AddClausesListItems }	Class	Array of ClausesListItems Classes
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType = "Clauses List Item" StatusCode = "S" SystemId = PMWeb Clauses List Item System ID
Exception Messages	Type	Status Messages	
	ResultInfo()	- Record Type does not exist or it's a custom list	

AddClausesLists/ AddClausesList

Input Parameters	Parameter	Type	Description
	ClausesLists{ OR ClausesLists() if AddClausesLists }	Class	Array of ClausesLists Classes
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType = "Clauses List Item" StatusCode = "S" ReferenceId = PMWeb Clauses List Item System ID
Exception Messages	Type	Status Messages	
	ResultInfo()	- Record Type does not exist or it's a custom list	

UpdateClausesListItems/ UpdateBillingTermsListItem

Input Parameters	Parameter	Type	Description
	ClausesListItems OR ClausesListItems() if UpdateClausesListItems }	Class	Array of ClausesListItems Classes
	PMWebCredentials	Class	
	Parameter	Type	Description

Output Parameters

ResultInfo()	Class	ObjectType = "Clauses List Item" StatusCode = "S" ReferenceId = PMWeb Clauses List Item System ID
------------------------------	-------	--

Exception Messages

Type	Status Messages
ResultInfo()	- Record does not exist.

UpdateClausesLists/ UpdateBillingTermsList**Input Parameters**

Parameter	Type	Description
ClausesLists{ OR ClausesLists() if UpdateClausesLists }	Class	Array of ClausesLists Classes
PMWebCredentials	Class	

Output Parameters

Parameter	Type	Description
ResultInfo()	Class	ObjectType = "Clauses List Item" StatusCode = "S" ReferenceId = PMWeb Clauses List Item System ID

Exception Messages

Type	Status Messages
ResultInfo()	- Record does not exist.

DeleteClausesListItem**Input Parameters**

Parameter	Type	Description
Id	Integer	ClausesListItem Id
ListType	String	ClausesListItem Type
PMWebCredentials	Class	

Output Parameters

Parameter	Type	Description
ResultInfo()	Class	ObjectType = "Clauses List Item" StatusCode = "S" ReferenceId = PMWeb Clauses List Item System ID

Exception Messages

Type	Status Messages
ResultInfo()	- Record does not exist.

Items

This section lists all Items related operations that PMWeb API supports. Those operations are accessible from <http://<YourWebServiceDomain>/Planning/Items.aspx>.

Operations List

- [AddItems](#)
- [DeleteItems](#)
- [GetItemById](#)
- [GetItems](#)
- [GetItemsByIds](#)
- [GetItemsList](#)
- [UpdateItems](#)
- [AddUpdateItems](#)
- initiateItemInfo
- initiatePMWebCredentials
- initiateResultInfo

Operations

GetItemById

Input Parameters	Parameter	Type	Description
	ItemId	Integer	Item System ID
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ItemInfo	Class	
Exception Messages	Type	Status Messages	
		Server exception message if any occurred	

GetItemByIds

Input Parameters	Parameter	Type	Description
	Ids()	Integer	Array of Item System ID
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ItemInfo()	Class	Array of ItemInfo Class
Exception Messages	Type	Status Messages	
		Server exception message if any occurred	

GetItemsList

Input Parameters	Parameter	Type	Description
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ItemInfo()	Class	Array of ItemInfo Class
Exception Messages	Type	Status Messages	
		Server exception message if any occurred	

GetItems

Input Parameters	Parameter	Type	Description
	ItemId	String	Item PMWeb System ID
	Description	String	
	GroupItem	String	
	ManufacturerNumber	String	
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ItemInfo()	Class	Array of ItemInfo Class
Exception Messages	Type	Status Messages	
		Server exception message if any occurred	

AddItems

Input Parameters	Parameter	Type	Description
	ItemInfo()	Class	Array of ItemInfo Class
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType = "ITEM" StatusCode = "S" ReferenceId = Item ClientID
Considerations	- GroupName should include the path that the item is in. e.g. GroupName/SubGroup1/SubGroup1 - If the ItemGroup provided doesn't exist, an ItemGroup with the same name will be created and its System ID is assigned to the Item.		
Exception Messages	Type	Status Messages	
		- Description is required. - Item Group is required. - Manufacturer Not in List. - Template Not in List. - Phase Not in List. - Project Location Not in List. - Cost Code Not in List.	

	- Cost Type Not in List. - Company Not in List. - Estimating UOM Not in List. - Purchasing UOM Not in List.
--	--

UpdateItems

Input Parameters	Parameter	Type	Description
	ItemInfo()	Class	Array of ItemInfo Class
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType = "ITEM" StatusCode = "S" ReferenceId = Item PMWeb SystemID
Considerations	-		
	- GroupName should include the Group path that the item is in. e.g. GroupName/SubGroup1/SubGroup1 - If the ItemGroup provided doesn't exist, an ItemGroup with the same name will be created and its System ID is assigned to the Item.		
Exception Messages	-		
	Type	Status Messages	
		- Description is required. - Item Group is required. - Type Not in List. - Category Not in List. - Manufacturer Not in List. - Template Not in List. - Phase Not in List. - Project Location Not in List. - Cost Code Not in List. - Cost Type Not in List. - Company Not in List. - Estimating UOM Not in List. - Inventory UOM Not in List. - Purchasing UOM Not in List. - Component Type Not in List. - Quantity UOM Not in List. - Lateral Offset UOM Not in List. - Vertical Offset UOM Not in List.	

AddUpdateItems

Input Parameters	Parameter	Type	Description
	ItemInfo()	Class	Array of ItemInfo Class
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType = "ITEM" StatusCode = "S" ReferenceId = Item PMWeb ClientID
Considerations	-		
	- Here PMWeb System Id does not have to be provided as the PMWeb API will check for the GroupName AND Item Description. If the Item exist, the item record will be updated, otherwise a new Item Record will be added - GroupName should include the Group path that the item is in. e.g. GroupName/SubGroup1/SubGroup1 - If the ItemGroup provided doesn't exist, an ItemGroup with the same name will be created and its System ID is assigned to the Item.		
Exception Messages	-		
	Type	Status Messages	
		- Description is required. - Item Group is required. - Type Not in List. - Category Not in List. - Manufacturer Not in List. - Template Not in List. - Phase Not in List. - Project Location Not in List. - Cost Code Not in List. - Cost Type Not in List. - Company Not in List. - Estimating UOM Not in List. - Inventory UOM Not in List. - Purchasing UOM Not in List. - Component Type Not in List. - Quantity UOM Not in List. - Lateral Offset UOM Not in List. - Vertical Offset UOM Not in List.	

DeleteItems

Input Parameters	Parameter	Type	Description
	Ids()	Class	Array of Item System ID
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType = "ITEM" StatusCode = "S" ReferenceId = Item PMWeb SystemID
	-		
Exception Messages	Type	Status Messages	
	ResultInfo()	-	

Correspondence

This section lists all correspondence related operations that PMWeb API supports. Those operations are accessible from <http://<YourWebServiceDomain>/EngineeringForms/Correspondence.asmx>.

Operations List

- initiateCorrespondenceInfo
- initiatePMWebCredentials
- GetCorrespondenceById
- GetCorrespondenceList
- GetCorrespondences
- GetCorrespondenceByIds
- AddCorrespondences
- UpdateCorrespondences
- DeleteCorrespondences

Operations

GetCorrespondenceById

Input Parameters	Parameter	Type	Description
	CorrespondenceId	Integer	Correspondence System ID
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	CorrespondenceInfo()	Class	
	-		
Exception Messages	Type	Status Messages	
		Server exception message if any occurred	

GetCorrespondenceList

Input Parameters	Parameter	Type	Description
------------------	------------------	-------------	--------------------

Output Parameters	PMWebCredentials	Class	
	Parameter	Type	Description
	CorrespondenceInfo()	Class	Array of CorrespondenceInfo class.
Exception Messages	Type	Status Messages	
		Server exception message if any occurred	

GetCorrespondenceByIds

Input Parameters	Parameter	Type	Description
	Ids()	Integer	Array of Correspondence System ID
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	CorrespondenceInfo()	Class	Array of CorrespondenceInfo class.
Exception Messages	Type	Status Messages	
		Server exception message if any occurred	

GetCorrespondences

Filters Correspondences that matches the values provided.

Input Parameters	Parameter	Type	Description
	Document Number	String	
	Description	String	
	ProjectNumber	String	
	ProjectName	String	
	Category	String	
	Status	String	
	Reference	String	
	LastUpdateDate	Date	
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	CorrespondenceInfo ()	Class	Array of CorrespondenceInfo class.
Exception Messages	Type	Status Messages	
		Server exception message if any occurred	

DeleteCorrespondences

Input Parameters	Parameter	Type	Description
	Ids()	Integer()	Array of Correspondence System ID
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType = "CORRESPONDENCE" StatusCode = "S" ReferenceId = Correspondence System Id
Exception Messages	Type	Status Messages	

Exception Messages

ResultInfo()	-Record does not exist. -Record in workflow cannot be deleted.
--------------	---

AddCorrespondences

Input Parameters	Parameter	Type	Description
	CorrespondenceInfo()	Class	Array of CorrespondenceInfo Class
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType = "COREPONDENCE" StatusCode = "S" ReferenceId = Correspondence ClientID
Exception Messages	Type	Status Messages	
	ResultInfo()	- Status is required. - DocumentNumber is required. - Project is required. - Project Not in List. - Project is not active. - From Contact Not in List. - To Contact Not in List. - Status Not In List. - Category Not in List. - Phase Not in List. - Priority Not in List. - WBS not in List. - DocumentNumber already exists.	

UpdateCorrespondences

Input Parameters	Parameter	Type	Description
	CorrespondenceInfo()	Class	Array of CorrespondenceInfo Class
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType = "CORRESPONDENCE " StatusCode = "S" ReferenceId = Correspondence SystemID
Exception Messages	Type	Status Messages	
	ResultInfo()	- Status is required. - DocumentNumber is required. - Id does not exist. - Project is required. - Project Not in List. - Project is not active. - From Contact Not in List. - To Contact Not in List. - Status Not In List. - Category Not in List. - Phase Not in List. - Priority Not in List. - WBS not in List. - DocumentNumber already exists. - Record in workflow cannot be edited.	

Daily Report Operations

This section lists all Daily Reports related operations that PMWeb API supports. Those operations are accessible from <http://<YourWebServiceDomain>/EngineeringForms/DailyReports.asmx>.

Operations List

- initiateDailyReportsInfo
- initiateDailyReportDetailInfo
- initiateIncidentsInfo
- initiateCompanyContactInfo
- initiatePMWebCredentials
- initiatePMWebCredentials
- GetDailyReportById
- GetDailyReportsByIds
- GetDailyReportList
- GetDailyReports
- DeleteDailyReports
- DeleteDailyReportDetails
- DeleteDailyReportIncidents
- AddDailyReports
- AddDailyReportDetails
- AddDailyReportIncidents
- UpdateDailyReports
- UpdateDailyReportDetails
- UpdateDailyReportIncidents

GetDailyReportById

Input Parameters	Parameter	Type	Description
	DailyReportId	Integer	DailyReport System ID
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	DailyReportsInfo()	Class	DailyReportsInfo Class
Exception Messages	Type	Status Messages	
		Server exception message if any occurred	

GetDailyReportsByIds

Input Parameters	Parameter	Type	Description
	Ids()	Integer	Array of DailyReport System IDs.
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	DailyReportsInfo()	Class	Array of DailyReportsInfos Classes.
Exception Messages	Type	Status Messages	
		Server exception message if any occurred	

GetDailyReportsList

Input Parameters	Parameter	Type	Description
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	DailyReportsInfo()	Class	Array of DailyReportsInfos Classes.
Exception Messages	Type	Status Messages	
		Server exception message if any occurred	

GetDailyReport

Filters Daily Reports that matches the values provided.

Input Parameters	Parameter	Type	Description
	DailyReport Number	String	
	Description	String	
	ProjectNumber	String	
	ProjectName	String	
	Category	String	
	LastUpdateDate	Date	
	Reference	String	
	Status	String	
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	DailyReportsInfo()	Class	Array of DailyReportsInfo classes.
Exception Messages	Type	Status Messages	
		Server exception message if any occurred	

DeleteDailyReports

Input Parameters	Parameter	Type	Description
	Ids()	Integer()	Array of DailyReports System ID
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType = "Daily Report" StatusCode = "S" ReferenceId = Daily Reports System Id
Exception Messages	Type	Status Messages	
	ResultInfo ()	-Record does not exist. -Record in workflow cannot be deleted.	

DeleteDailyReportDetails

Input Parameters	Parameter	Type	Description
	Ids()	Integer()	Array of DailyReportDetailInfo System ID

	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType = "Daily Report" StatusCode = "S" ReferenceId = Daily Reports System Id
Exception Messages	Type	Status Messages	
	ResultInfo ()	-Record does not exist. -Record in workflow. Daily Report Detail cannot be deleted.	

DeleteDailyReportIncidents

Input Parameters	Parameter	Type	Description
	Ids()	Integer()	Array IncidentsInfo System ID
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType = "" StatusCode = "S" ReferenceId = Daily Report Incident System Id
Exception Messages	Type	Status Messages	
	ResultInfo ()	-Record does not exist. -Record in workflow. Daily Report Incident cannot be deleted.	

AddDailyReports

Input Parameters	Parameter	Type	Description
	DailyReportsInfo()	Class	Array of DailyReportsInfo Class
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo ()	Class	ObjectType = "Daily Reports" StatusCode = "S" ReferenceId = Daily Reports Client ID ObjectType = "Daily Report Detail" StatusCode = "S" ReferenceId = Daily Reports Client ID
Exception Messages	Type	Status Messages	
	ResultInfo ()	- DocumentNumber already exists. - Project is required. - Daily Report # is required. - Status is required. - Temperature Type not in list. - Phase not in list. - WBS not in list. - Status not in list. - SubmittedBy Contact not in list.	

Considerations

	- Category not in list. - UOM not in list. - Condition not in list. - Project not active. - Project not in list.
	- Valid Category, Types, Conditions values will be added while invalid values are skipped.

UpdateDailyReports

Input Parameters	Parameter	Type	Description
	DailyReportsInfo ()	Class	Array of DailyReportsInfo Class
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo ()	Class	ObjectType = "Daily Reports " StatusCode = "S" ReferenceId = Daily Reports System ID
Exception Messages	ResultInfo ()	- DocumentNumber already exists. - Daily Report # is required. - Status is required. - Temperature Type not in list. - Phase not in list. - WBS not in list. - Status not in list. - SubmittedBy Contact not in list. - Category not in list. - UOM not in list. - Condition not in list. - Project not in list. - Project not active.	
Considerations	- Valid Category, Types, Conditions values will be added while invalid values are skipped.		

AddDailyReportDetails

Input Parameters	Parameter	Type	Description
	DailyReportsDetailsInfo()	Class	Array of DailyReportsDetailsInfo Class
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo ()	Class	ObjectType = "Daily Reports Details" StatusCode = "S" ReferenceId = Daily Reports Client ID
Exception Messages	Type	Status Messages	
	ResultInfo ()	- Record does not exist. Daily Report Detail cannot be Added. - Record in workflow. Daily Report Detail cannot be Added. - Record does not exist.	

	- Company not in list. - UOM not in list. - CostCode not in list. - Classification not in list.
--	--

AddDailyReportIncidents

Input Parameters	Parameter	Type	Description
	IncidentsInfo()	Class	Array of IncidentsInfo Class
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo ()	Class	ObjectType = "Daily Reports Incident" StatusCode = "S" ReferenceId = Daily Reports Client ID
Exception Messages	Type	Status Messages	
	ResultInfo ()	- Record does not exist. Daily Report Incident cannot be Added. - Record does not exist - Record in workflow. Daily Report Detail cannot be Added. - Type not in list. - Contacts not in list.	

UpdateDailyReportDetails

Input Parameters	Parameter	Type	Description
	DailyReportsDetailsInfo()	Class	Array of DailyReportsDetailsInfo Class
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo ()	Class	ObjectType = "Daily Reports Details" StatusCode = "S" ReferenceId = Daily Reports ClientID
Exception Messages	Type	Status Messages	
	ResultInfo ()	- Record does not exist. Daily Report Detail cannot be updated. - Record in workflow. Daily Report Detail cannot be updated. - Record does not exist. - Company not in list. - UOM not in list. - CostCode not in list. - Classification not in list.	

UpdateDailyReportIncidents

Input Parameters	Parameter	Type	Description
	IncidentsInfo()	Class	Array of IncidentsInfo Class
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo ()	Class	ObjectType = "Daily Reports Incident" StatusCode = "S" ReferenceId = Daily Reports Client ID
Exception Messages	Type	Status Messages	
	ResultInfo ()	- Record does not exist. Daily Report Incident cannot be updated. - Record does not exist - Record in workflow. Daily Report Detail cannot be updated. - Type not in list. - Contacts not in list.	

Action Items Operation

This section lists all Action Items related operations that PMWeb API supports. Those operations are accessible from <http://<YourWebServiceDomain>/EngineeringForms/ActionItems.asmx>

Operations List

- initiateActionItemInfo
- initiateResultInfo
- initiatePMWebCredentials
- initiateActionItemDetailInfo
- GetActionItemById
- GetActionItemList
- GetActionItems
- GetActionItemByIds
- AddActionItems
- UpdateActionItems
- AddActionItemDetails
- UpdateActionItemDetails
- DeleteActionItemDetails
- DeleteActionItems
- GenerateTransmittal

Operations

GetActionItemById

Input Parameters	Parameter	Type	Description
	ActionItemId	Integer	Action Item System ID
	PMWebCredentials	Class	

Output Parameters

Parameter	Type	Description
ActionItemInfo	Class	

Exception Messages

Type	Status Messages
	Server exception message if any occurred

GetActionItemList**Input Parameters**

Parameter	Type	Description
PMWebCredentials	Class	

Output Parameters

Parameter	Type	Description
ActionItemInfo ()	Class	Array of ActionItemInfo classes.

Exception Messages

Type	Status Messages
	Server exception message if any occurred

GetActionItemByIds**Input Parameters**

Parameter	Type	Description
Ids()	Integer	Array of Action Item System Ids
PMWebCredentials	Class	

Output Parameters

Parameter	Type	Description
ActionItemInfo ()	Class	Array of ActionItemInfo classes.

Exception Messages

Type	Status Messages
	Server exception message if any occurred

GetActionItems

Filters Action Items that matches the values provided.

Input Parameters

Parameter	Type	Description
DocumentNumber	String	
Description	String	
ProjectNumber	String	
ProjectName	String	
Category	String	
Reference	String	
LastUpdateDate	Date	
Status	String	
PMWebCredentials	Class	

Output Parameters

Parameter	Type	Description
ActionItemInfo()	Class	Array of ActionItemInfo classes

Exception Messages

Type	Status Messages
	Server exception message if any occurred

DeleteActionItems

Input Parameters	Parameter	Type	Description
	Ids()	Integer()	Array Action Item System Ids
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType = "Action Items" StatusCode = "S" ReferenceId = Action Item SystemID
Exception Messages	Type	Status Messages	
	ResultInfo()	- Record does not exist - Record in workflow cannot be deleted	

DeleteActionItemDetails

Input Parameters	Parameter	Type	Description
	Ids()	Integer()	Array of Action Item Details System ID
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType = "Action Items Detail" StatusCode = "S" ReferenceId = Action Item Detail System ID
Exception Messages	Type	Status Messages	
	ResultInfo()	- Record does not exist - Record in workflow cannot be deleted	

AddActionItems

Input Parameters	Parameter	Type	Description
	ActionItemInfo ()	Class	Array of ActionItemInfo Classes
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType = "Action Items " StatusCode = "S" ReferenceId = ActionItem ClientID ObjectType = "Action Item Detail" StatusCode = "S" ReferenceId = Action Item Detail ClientID
Considerations	- Action Item ID is unique by Project and Phase.		

Type	Status Messages
-------------	------------------------

Exception Messages

ResultInfo()	- Action Item ID is required. - Status is required. - Project is required. - Project Not in List. - Phase Not in List. - Status Not In List. - User Not in List. - WBS Not in List. - Category Not in List. - Action Item ID must be unique. - System message
------------------------------	---

AddActionItemDetails

Input Parameters	Parameter	Type	Description
	ActionItemDetailInfo()	Class	Array of ActionItemDetailInfo Classes.
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType = "Action Item Detail" StatusCode = "S" ReferenceId = Action Item Detail ClientID
Exception Messages	Type	Status Messages	
	ResultInfo()	- Contact not in list. - Record in workflow. Action Item Detail cannot be added. - Record does not exist	

UpdateActionItems

Input Parameters	Parameter	Type	Description
	ActionItemInfo()	Class	Array of ActionItemInfo Classes.
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType "Action Items " StatusCode = "S" ReferenceId = Action Item SystemID
Exception Messages	Type	Status Messages	
	ResultInfo()	- Action Item ID is required. - Status is required. - Status Not In List. - User Not in List. - WBS Not in List. - Category Not in List. - Action Item ID must be unique. - System message - Record is in workflow cannot be updated - Record does not exist	

UpdateActionItemsDetails

Input Parameters	Parameter	Type	Description
	ActionItemDetailInfo()	Class	Array of ActionItemDetailInfo Classes.
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType = "Action Item Detail" StatusCode = "S" ReferenceId = Action Item Detail ClientID
Exception Messages	Type	Status Messages	
	ResultInfo()	- Contact not in list. - Record in workflow. Action Item Detail cannot be added. - Record does not exist	

GenerateTransmittal

Input Parameters	Parameter	Type	Description
	ActionItemId	Integer	Action Item Sytem ID
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType = "Action Items" StatusCode = "S" ReferenceId = Action ItemSystem ID
Exception Messages	Type	Status Messages	
	ResultInfo()	- Id does not exist. - Record in workflow. Cannot Generate Transmittals	

Drawing Sets Operation

This section lists all Drawing Sets related operations that PMWeb API supports. Those operations are accessible from <http://<YourWebServiceDomain>/EngineeringForms/DrawingSets.aspx>

Operations List

- initiateDrawingSetInfo
- initiateResultInfo
- initiatePMWebCredentials
- initiateDrawingSetDetailInfo
- GetDrawingSetById
- GetDrawingSetsList
- GetDrawingSets

- GetDrawingSetsByIds
- AddDrawingSets
- UpdateDrawingSets
- AddDrawingSetsDetails
- UpdateDrawingSetsDetails
- DeleteDrawingSetsDetails
- DeleteDrawingSets
- GenerateTransmittals

Operations

GetDrawingSetById

Input Parameters	Parameter	Type	Description
	DrawingSetId	Integer	Drawing Set System ID
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	DrawingSetsInfo	Class	
Exception Messages	Type	Status Messages	
		Server exception message if any occurred	

GetDrawingSetsList

Input Parameters	Parameter	Type	Description
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	DrawingSetsInfo()	Class	Array of DrawingSets Info classes.
Exception Messages	Type	Status Messages	
		Server exception message if any occurred	

GetDrawingSetsByIds

Input Parameters	Parameter	Type	Description
	Ids()	Integer	Array of Drawing Sets System Ids
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	DrawingSetsInfo()	Class	Array of Drawing Sets classes.
Exception Messages	Type	Status Messages	
		Server exception message if any occurred	

GetDrawingSets

Filters Drawing sets that matches the values provided.

Input Parameters

Parameter	Type	Description
DocumentNumber	String	
Description	String	
ProjectNumber	String	
ProjectName	String	
Category	String	
Reference	String	
LastUpdateDate	Date	
Status	String	
PMWebCredentials	Class	

Output Parameters

Parameter	Type	Description
DrawingSetsInfo()	Class	Array of DrawingSetsInfo classes

Exception Messages

Type	Status Messages
	Server exception message if any occurred

DeleteDrawingSets**Input Parameters**

Parameter	Type	Description
Ids()	Integer()	Array Drawing Sets System Ids
PMWebCredentials	Class	

Output Parameters

Parameter	Type	Description
ResultInfo()	Class	ObjectType = "Drawing Sets" StatusCode = "S" ReferenceId = Drawing Set SystemID

Exception Messages

Type	Status Messages
ResultInfo()	- Record does not exist - Record in workflow cannot be deleted

DeleteDrawingSetsDetails**Input Parameters**

Parameter	Type	Description
Ids()	Integer()	Array of Drawing Sets Details System ID
PMWebCredentials	Class	

Output Parameters

Parameter	Type	Description
ResultInfo()	Class	ObjectType = "Drawing Sets Detail" StatusCode = "S" ReferenceId = Drawing Set Detail SystemID

Exception Messages

Type	Status Messages
ResultInfo()	- Record does not exist - Record in workflow cannot be deleted

AddDrawingSets**Input Parameters**

Parameter	Type	Description
DrawingSetsInfo ()	Class	Array of DrawingSetsInfo Classes

	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType = "Drawing Sets " StatusCode = "S" ReferenceId = Drawing Set ClientID ObjectType = "Drawing Sets Detail" StatusCode = "S" ReferenceId = Drawing Set Detail ClientID
Considerations	- Drawing Set ID is unique by Project and Phase.		
Exception Messages	Type	Status Messages	
	ResultInfo()	- DrawingSetID is required. - Status is required. - Project is required. - Project Not in List. - Phase Not in List. - Status Not In List. - Contact Not in List. - WBS Not in List. - Category Not in List. - DrawingSetID must be unique. - Server exception message	

AddDrawingSetsDetails

Input Parameters	Parameter	Type	Description
	DrawingSetsDetailInfo()	Class	Array of DrawingSetsDetailsInfo Classes.
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType = “Drawing Sets Detail” StatusCode = "S" ReferenceId = Drawing Set Detail ClientID
Exception Messages	Type	Status Messages	
	ResultInfo()	- CSI Code not in list. - CSI Division not in list. - Category not in list. - Task not in list. - Location not in list. - Status not in list. - Record in workflow. Drawing Set Detail cannot be added. - Record does not exist	
Considerations	- Adding a drawing set detail will automatically add a new drawing list record with a detail related to the added drawing set.		

UpdateDrawingSets

Input Parameters	Parameter	Type	Description
	DrawingSetsInfo()	Class	Array of DrawingSetsInfo Classes.
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType "Drawing Sets " StatusCode = "S" ReferenceId = Drawing Set SystemID
Exception Messages	Type	Status Messages	
	ResultInfo()	- DrawingSetID is required. - Status is required. - Status Not In List. - Contact Not in List. - WBS Not in List. - Category Not in List. - DrawingSetID must be unique. - Server exception message	

UpdateDrawingSetsDetails

Input Parameters	Parameter	Type	Description
	DrawingSetsDetailsInfo()	Class	Array of DrawingSetsDetailsInfo Classes.
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType = "Drawing Sets Detail" StatusCode = "S" ReferenceId = Drawing Set Detail ClientID
Exception Messages	Type	Status Messages	
	ResultInfo()	- CSI Code not in list. - CSI Division not in list. - Category not in list. - Task not in list. - Location not in list. - Status not in list. - Record in workflow. Drawing Set Detail cannot be updated. - Record does not exist	

GenerateTransmittals

Input Parameters	Parameter	Type	Description
	DrawingSetId	Integer	Drawing Set Sytem ID
	DrawingSetDetailsId()	Integer	Array of drawing set details system IDs belonging to the drawing set ID
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType = "Drawing Sets" StatusCode = "S" ReferenceId = Transmittal System ID
Exception Messages	Type	Status Messages	
	ResultInfo()	- Record in workflow cannot generate transmittals - Record does not exist or does not belong to this record	

SafetyForms

This section lists all SafetyForms related operations that PMWeb API supports. Those operations are accessible from <http://<YourWebServiceDomain>/EngineeringForms/SafetyForms.asmx>.

Operations List

- initiateSafetyFormsInfo
- initiateCausesInfo
- initiateWitnessesInfo
- initiatePeopleInvolvedInfo
- initiatePMWebCredentials
- GetSafetyFormById
- GetSafetyFormsList
- GetSafetyForms
- GetSafetyFormsByIds
- AddSafetyForms
- UpdateSafetyForms
- DeleteSafetyForms
- AddSafetyFormsCauses
- AddSafetyFormsWitnesses
- AddSafetyFormsPeopleInvolved
- UpdateSafetyFormsCauses
- UpdateSafetyFormsWitnesses
- UpdateSafetyFormsPeopleInvolved
- DeleteSafetyFormsCauses
- DeleteSafetyFormsWitnesses
- DeleteSafetyFormsPeopleInvolved

Operations

GetSafetyFormById

Input Parameters	Parameter	Type	Description
	SafetyFormId	Integer	SafetyForms System ID
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	SafetyFormsInfo()	Class	
Exception Messages	Type	Status Messages	
		Server exception message if any occurred	

GetSafetyFormsList

Input Parameters	Parameter	Type	Description
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	SafetyFormsInfo()	Class	Array of SafetyFormsInfo class.
Exception Messages	Type	Status Messages	
		Server exception message if any occurred	

GetSafetyFormsByIds

Input Parameters	Parameter	Type	Description
	Ids()	Integer	Array of SafetyForms System ID
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	SafetyFormsInfo()	Class	Array of SafetyFormsInfo class.
Exception Messages	Type	Status Messages	
		Server exception message if any occurred	

GetSafetyForms

Filters SafetyForms that matches the values provided.

Input Parameters	Parameter	Type	Description
	Document Number	String	
	Description	String	
	ProjectNumber	String	
	ProjectName	String	
	Status	String	
	Reference	String	
	LastUpdateDate	Date	
	PMWebCredentials	Class	
	Parameter	Type	Description

Output Parameters

SafetyFormsInfo()	Class	Array of SafetyFormsInfo class.
-------------------	-------	---------------------------------

Exception Messages

Type	Status Messages
	Server exception message if any occurred

DeleteSafetyForms

Input Parameters	Parameter	Type	Description
	Ids()	Integer()	Array of SafetyForms System ID
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType = "Safety Forms" StatusCode = "S" ReferenceId = Safety Forms System Id
Exception Messages	Type	Status Messages	
	ResultInfo ()	-Record does not exist. -Record in workflow cannot be deleted.	

AddSafetyForms

Input Parameters	Parameter	Type	Description
	SafetyFormsInfo()	Class	Array of SafetyFormsInfo Class
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo ()	Class	ObjectType = "Safety Forms" StatusCode = "S" ReferenceId = Safety Forms ClientID
Exception Messages	Type	Status Messages	
	ResultInfo ()	- Status is required. - DocumentNumber is required. - Project is required. - Project Not in List. - Project is not active. - SubmittedBy Contact Not in List. - Company Not in List. - Type Not in List. - Status Not In List. - UOM Not in List. - Condition Not in List. - Category Not in List. - Phase Not in List. - Temperature Type not in List. - WBS not in List. - DocumentNumber already exists.	
Considerations	- Valid Category, Types, Conditions values will be added while invalid values are skipped.		

UpdateSafetyForms

Input Parameters	Parameter	Type	Description
	SafetyFormsInfo()	Class	Array of SafetyFormsInfo Class
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo ()	Class	ObjectType = "Safety Forms " StatusCode = "S" ReferenceId = Safety FormsSystem ID
Exception Messages	ResultInfo ()	- DocumentNumber is required. - Project Not in List. - Project is not active. - SubmittedBy Contact Not in List. - Company Not in List. - Type Not in List. - Status Not In List. - UOM Not in List. - Condition Not in List - Category Not in List. - Phase Not in List. - Temperature Type not in List. - WBS not in List. - Record does not exist. - DocumentNumber already exist. - Record in workflow cannot be updated.	
	-		
Considerations	- Valid Category, Types, Conditions values will be added while invalid values are skipped.		

AddSafetyFormsCauses

Input Parameters	Parameter	Type	Description
	CausesInfo()	Class	Array of CausesInfo Class
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo ()	Class	ObjectType = "Safety Forms Causes" StatusCode = "S" ReferenceId = Safety Forms Causes ClientID
Exception Messages	Type	Status Messages	
	ResultInfo ()	- Record does not exist. - Cause Category Not in List. - Record in workflow.	

AddSafetyFormsWitnesses

Input Parameters	Parameter	Type	Description
------------------	------------------	-------------	--------------------

Output Parameters	WitnessesInfo()	Class	Array of WitnessesInfo Class
	PMWebCredentials	Class	
	Parameter	Type	Description
	ResultInfo ()	Class	ObjectType = "Safety Forms Witnesses" StatusCode = "S" ReferenceId = Safety Forms Witnesses ClientID
Exception Messages	Type	Status Messages	
	ResultInfo ()	- Record does not exist. - Company Not in List. - Record in workflow.	

AddSafetyFormsPeopleInvolved

Input Parameters	Parameter	Type	Description
	PeopleInvolvedInfo ()	Class	Array of PeopleInvolvedInfo Class
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo ()	Class	ObjectType = "Safety Forms PeopleInvolved" StatusCode = "S" ReferenceId = Safety Forms PeopleInvolved ClientID
Exception Messages	Type	Status Messages	
	ResultInfo ()	- Record does not exist. - Company Not in List. - Record in workflow. - Worker Classification Not in List. - Injured Body Part Not in List. - Injury Type Not in List. - Injury Severity Not in List.	

UpdateSafetyFormsCauses

Input Parameters	Parameter	Type	Description
	CausesInfo ()	Class	Array of CausesInfo Class
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo ()	Class	ObjectType = "Safety Forms Causes" StatusCode = "S" ReferenceId = Safety Forms Causes System ID
Exception Messages	Type	Status Messages	
	ResultInfo ()	- Record does not exist. - Cause Category Not in List. - Record in workflow.It cannot be Updated.	

	- Cause Category Not in List.
--	-------------------------------

UpdateSafetyFormsWitnesses

Input Parameters	Parameter	Type	Description
	WitnessesInfo ()	Class	Array of WitnessesInfo Class
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo ()	Class	ObjectType = "Safety Forms Witnesses" StatusCode = "S" ReferenceId = Safety Forms Witnesses System ID
Exception Messages	Type	Status Messages	
	ResultInfo ()	- Record does not exist. - Company Not in List. - Record in workflow.It cannot be Updated.	

UpdateSafetyFormsPeopleInvolved

Input Parameters	Parameter	Type	Description
	PeopleInvolvedInfo ()	Class	Array of PeopleInvolvedInfo Class
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo ()	Class	ObjectType = "Safety Forms PeopleInvolved" StatusCode = "S" ReferenceId = Safety Forms PeopleInvolved System ID
Exception Messages	Type	Status Messages	
	ResultInfo ()	- Record does not exist. - Company Not in List. - Record in workflow.It cannot be Updated. - Worker Classification Not in List. - Injured Body Part Not in List. - Injury Type Not in List. - Injury Severity Not in List.	

DeleteSafetyFormsCauses

Input Parameters	Parameter	Type	Description
	Ids()	Integer()	Array of SafetyForms Causes System ID
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo ()	Class	ObjectType = "Safety Forms Causes"

Exception Messages

		StatusCode = "S" ReferenceId = Safety Forms Causes System Id
Type	Status Messages	
ResultInfo ()	-Record does not exist. -Record in workflow .It cannot be deleted.	

DeleteSafetyFormsWitnesses

Input Parameters	Parameter	Type	Description
	Ids()	Integer()	Array of SafetyForms Witnesses System ID
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo ()	Class	ObjectType = "Safety Forms Witnesses" StatusCode = "S" ReferenceId = Safety Forms Witnesses System Id
Exception Messages	Type	Status Messages	
	ResultInfo ()	-Record does not exist. -Record in workflow .It cannot be deleted.	

DeleteSafetyFormsPeopleInvolved

Input Parameters	Parameter	Type	Description
	Ids()	Integer()	Array of SafetyForms PeopleInvolved System ID
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo ()	Class	ObjectType = "Safety Forms PeopleInvolved" StatusCode = "S" ReferenceId = Safety Forms PeopleInvolved System Id
Exception Messages	Type	Status Messages	
	ResultInfo ()	-Record does not exist. -Record in workflow .It cannot be deleted.	

Punchlist Operations

This section lists all Punchlist related operations that PMWeb API supports. Those operations are accessible from <http://<YourWebServiceDomain>/EngineeringForms/PunchList.asmx>.

Operations List

- initiatePunchListInfo
- initiatePunchListDetailInfo
- initiatePMWebCredentials
- initiateResultInfo

- GetPunchListById
- GetPunchListsByIds
- GetPunchListslist
- GetPunchList
- AddPunchLists
- AddPunchListDetails
- UpdatePunchLists
- UpdatePunchListDetails
- DeletePunchLists
- DeletePunchListDetails

Operations

GetPunchListById

Input Parameters

Parameter	Type	Description
PunchListId	Integer	PunchListSystem ID
PMWebCredentials	Class	

Output Parameters

Parameter	Type	Description
PunchListInfo()	Class	

Exception Messages

Type	Status Messages
	Server exception message if any occurred

GetPunchListsByIds

Input Parameters

Parameter	Type	Description
Ids()	Integer	Array of PunchListSystem ID
PMWebCredentials	Class	

Output Parameters

Parameter	Type	Description
PunchListInfo()	Class	Array of PunchListInfo class.

Exception Messages

Type	Status Messages
	Server exception message if any occurred

GetPunchListsList

Input Parameters

Parameter	Type	Description
PMWebCredentials	Class	

Output Parameters

Parameter	Type	Description
PunchListInfo()	Class	Array of PunchListInfo class.

Exception Messages

Type	Status Messages
	Server exception message if any occurred

GetPunchList

Filters Punch Lists that matches the values provided.

Input Parameters

Parameter	Type	Description
Document Number	String	
Description	String	
ProjectNumber	String	
ProjectName	String	
Category	String	
Reference	String	
LastUpdateDate	Date	
Status	String	
PMWebCredentials	Class	

Output Parameters

Parameter	Type	Description
PunchListInfo()	Class	Array of PunchListInfo Classes.

Exception Messages

Type	Status Messages
	Server exception message if any occurred

AddPunchLists

Input Parameters

Parameter	Type	Description
PunchListInfo()	Class	Array of PunchListInfo Class
PMWebCredentials	Class	

Output Parameters

Parameter	Type	Description
ResultInfo ()	Class	ObjectType = "Punch List" StatusCode = "S" ReferenceId = Punch List Client ID ObjectType = "Punch List Detail" StatusCode = "S" ReferenceId = Punch List Detail Client ID

Exception Messages

Type	Status Messages
ResultInfo ()	- Project is required. - PunchList # is required. - Status is required. - Project is not active. - Project not in list. - Phase not in list. - WBS not in list. - Status not in list. - 'FromContact' not in list. - 'ToContact' not in list. - CSI Code not in list. - Category not in list. - Priority not in list. - Document Number already exists.

UpdatePunchLists

Input Parameters	Parameter	Type	Description
	PunchListInfo()	Class	Array of PunchListInfo Class
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo ()	Class	ObjectType = "Punch List" StatusCode = "S" ReferenceId = Punch List Client ID
			ObjectType = "Punch List Detail" StatusCode = "S" ReferenceId = Punch List Detail Client ID
Exception Messages	Type	Status Messages	
	ResultInfo ()	- Document Number already exists. - Record does not exist. - Punch List # is required. - Status is required. - Record in workflow cannot be updated. - WBS not in list. - Status not in list. - 'FromContact' not in list. - 'ToContact' not in list. - CSI Code not in list. - Category not in list. - Priority not in list. - Document Number already exists.	

DeletePunchLists

Input Parameters	Parameter	Type	Description
	Ids()	Integer	Array of PunchList Ids
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType = "Punch List" StatusCode = "S" ReferenceId = PunchList SystemID
Exception Messages	Type	Status Messages	
	ResultInfo()	- Record in workflow cannot be deleted. - Record does not exist.	

AddPunchListDetails

Input Parameters

Parameter	Type	Description
PunchListDetails()	Class	Array of PunchListDetailInfo Class
PMWebCredentials	Class	

Output Parameters

Parameter	Type	Description
ResultInfo ()	Class	ObjectType = "Punch List Detail" StatusCode = "S" ReferenceId = Punch List Detail Client ID

Exception Messages

Type	Status Messages
ResultInfo ()	- Record does not exist.Punch List Detail cannot be added. - "Received From" Contact not in list. - "Sent To" Contact not in list. - "Charge To" Contact not in list. - "Assigned To" Contact not in list. - Trade not in list.

UpdatePunchListDetails**Input Parameters**

Parameter	Type	Description
PunchListDetails()	Class	Array of PunchListDetailInfo Class
PMWebCredentials	Class	

Output Parameters

Parameter	Type	Description
ResultInfo ()	Class	ObjectType = "Punch List Detail" StatusCode = "S" ReferenceId = Punch List Detail Client ID

Exception Messages

Type	Status Messages
ResultInfo ()	- Record does not exist cannot be updated. - "Received From" Contact not in list. - "Sent To" Contact not in list. - "Charge To" Contact not in list. - "Assigned To" Contact not in list. - Trade not in list.

DeletePunchListDetails**Input Parameters**

Parameter	Type	Description
Ids()	Integer	Array of PunchListDetail Ids
PMWebCredentials	Class	

Output Parameters

Parameter	Type	Description
ResultInfo()	Class	ObjectType = "Punch List Detail" StatusCode = "S" ReferenceId = PunchList SystemID

Type	Status Messages
------	-----------------

Exception Messages[ResultInfo\(\)](#)

- Record in workflow cannot be deleted.
- Record does not exist.

Submittal Items Operations

This section lists Submittal Item related operations that PMWeb API supports. Those operations are accessible from <http://<YourWebServiceDomain>/EngineeringForms/SubmittalItems.asmx>.

Operations List

- initiatePMWebCredentials
- initiateSubmittalItemsInfo
- initiateResultInfo
- GetSubmittalItemById
- GetSubmittalItemsList
- GetSubmittalItemsByIds
- GetSubmittalItems
- AddSubmittalItems
- UpdateSubmittalItems
- DeleteSubmittalItems

Operations

AddSubmittalItems

Input Parameters	Parameter	Type	Description
	SubmittalItemInfo()	Class	Array of SubmittalItemInfo Class
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType = "SubmittalItem" StatusCode = "S" ReferenceId = SubmittalItem ClientID SystemId = SubmittalItem PMWeb System ID
Considerations			
Exception Messages	Type	Status Messages	
	ResultInfo()	- Submittal Item ID is required. - Project is required. - Status is required. - Project is not active - Project Not In List - Phase Not in List. - Status Not In List. - Company is not in the Active Companies List. - CSI Code Not in List. - Task Not in List. - WBS Not in List. - Mfr not in the Active Companies List. - Supplier not in the Active Companies List. - Submittal Status Not in List. - DocumentNumber already exists.	

UpdateSubmittalItems

Input Parameters	Parameter	Type	Description
	SubmittalItemInfo()	Class	Array of SubmittalItemInfo Class
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType = "SubmittalItem" StatusCode = "S" ReferenceId = SubmittalItemSystemID SystemId= SubmittalItemPMWeb System ID ObjectType = "SubmittalItem" StatusCode = "S" ReferenceId = SubmittalItemSystemID SystemId= SubmittalItemPMWeb System ID
Considerations			
Exception Messages	Type	Status Messages	
	ResultInfo()	- Id does not exist. - Record in workflow cannot be edited. - Submittal Item ID is required. - Project is required. - Status is required. - Project is not active - Project Not In List - Phase Not in List. - Status Not In List. - Company is not in the Active Companies List. - CSI Code Not in List. - Task Not in List. - WBS Not in List. - Mfr not in the Active Companies List. - Supplier not in the Active Companies List. - Submittal Status Not in List. - DocumentNumber already exists.	

DeleteSubmittalItems

Input Parameters	Parameter	Type	Description
	Ids()	Integer()	Array of SubmittalItem System Ids
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType = "SubmittalItem" StatusCode = "S" ReferenceId = SubmittalItem SystemID
Exception Messages	Type	Status Messages	
	ResultInfo()	- Record does not exist. - Record in workflow cannot be deleted	

GetSubmittalItemId

Input Parameters	Parameter	Type	Description
	SubmittalItemId	Integer	SubmittalItem System ID
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	SubmittalItemInfo	Class	
Exception Messages	Type	Status Messages	
		Server exception message if any occurred	

GetSubmittalItemsByIds

Input Parameters	Parameter	Type	Description
	Ids()	Integer()	Array of SubmittalSystem ID
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	SubmittalItemInfo()	Class	Array of SubmittalItemInfoclasses
Exception Messages	Type	Status Messages	
		Server exception message if any occurred	

GetSubmittalItemsList

Input Parameters	Parameter	Type	Description
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	SubmittalItemInfo()	Class	Array of SubmittalItemInfo Classes.
Exception Messages	Type	Status Messages	
		Server exception message if any occurred	

GetSubmittalItems

Filters Submittal Items based on the values sent.

Input Parameters	Parameter	Type	Description
	RecordNumber	String	
	Description	String	
	ProjectNumber	String	
	ProjectName	String	
	WBSName	String	
	CompanyName	String	
	Status	String	
	LastUpdateDate	Date	
	PMWebCredentials	Class	

Output Parameters

Parameter	Type	Description
SubmittalItemInfo()	Class	Array of SubmittalItemInfo Classes

Exception Messages

Type	Status Messages
	Server exception message if any occurred

Transmittals Operations

This section lists Transmittal related operations that PMWeb API supports. Those operations are accessible from <http://<YourWebServiceDomain>/EngineeringForms/Transmittals.asmx>.

Operations List

- initiatePMWebCredentials
- initiateTransmittalInfo
- initiateTransmittalDetailInfo
- initiateResultInfo
- GetTransmittalById
- GetTransmittalsList
- GetTransmittalsByIds
- GetTransmittals
- AddTransmittals
- AddTransmittalDetails
- UpdateTransmittals
- UpdateTransmittalDetails
- DeleteTransmittals
- DeleteTransmittalDetails

Operations

AddTransmittals

Input Parameters	Parameter	Type	Description
	TransmittalsInfo()	Class	Array of TransmittalsInfo Class
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType = "Transmittals" StatusCode = "S" ReferenceId = Transmittal ClientID SystemId = Transmittal PMWeb System ID ObjectType = " Transmittal Details" StatusCode = "S" ReferenceId = Transmittal Details ClientID SystemId = Transmittal Details PMWeb System ID
Considerations			
Exception Messages	Type	Status Messages	
	ResultInfo()	- Transmittal ID is required.	

	- Project is required. - Status is required. - Project is not active - Project Not In List - Phase Not in List. - Status Not In List - To Contact Not in List. - WBS Not in List. - From Contact Not in List. - Category Not in List. - Ship Via Not in List. - DocumentNumber already exists - Remark Not in List.
--	---

AddTransmittalDetails

Input Parameters	Parameter	Type	Description
	TransmittalsDetailInfo()	Class	Array of TransmittalsDetailInfo Class
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType = "Transmittal Detail" StatusCode = "S" ReferenceId = Transmittal Detail ClientID SystemId = Transmittal Detail PMWeb System ID
Considerations	-This method will also post a new line to the cost ledger with a worksheet column: ActualCosts-Non-Commitment. if the WorkOrder resource was sucessfully added.		
Exception Messages	Type	Status Messages	
	ResultInfo()	- Record does not exist. - Record in workflow. Transmittal Detail cannot be added. - Type Not in List. - Status Not in List.	

UpdateTransmittals

Input Parameters	Parameter	Type	Description
	TransmittalsInfo()	Class	Array of TransmittalsInfo Class
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType = "Transmittal" StatusCode = "S" ReferenceId = Transmittal SystemID SystemId= Transmittal PMWeb System ID ObjectType = "Transmittal" StatusCode = "S" ReferenceId = Transmittal SystemID SystemId= Transmittal PMWeb System ID
Considerations			

Exception Messages

Type	Status Messages
ResultInfo()	- Record does not exist. - Record in workflow cannot be edited. - Transmittal ID is required. - Project is required. - Status is required. - Project is not active - Project Not In List - Phase Not in List. - Status Not In List. - To Contact Not in List. - WBS Not in List. - From Contact Not in List. - Category Not in List. - Ship Via Not in List. - DocumentNumber already exists. - Remark Not in List.

UpdateTransmittalDetails

Input Parameters	Parameter	Type	Description
	TransmittalsDetailInfo()	Class	Array of TransmittalsDetailInfo Class
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType = "Transmittal Detail " StatusCode = "S" ReferenceId = Transmittal Detail SystemID SystemId = Transmittal Detail PMWeb System ID
Considerations			
Exception Messages	Type	Status Messages	
	ResultInfo()	- Record does not exist. - Record in workflow. Transmittal Detail cannot be added. - Type Not in List. - Status Not in List.	

DeleteTransmittals

Input Parameters	Parameter	Type	Description
	Ids()	Integer()	Array of Transmittal System Ids
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType = "Transmittal" StatusCode = "S" ReferenceId = Transmittal SystemID
Exception Messages	Type	Status Messages	
	ResultInfo()	- Record does not exist. - Record in workflow cannot be deleted	

DeleteTransmittalDetails

Input Parameters	Parameter	Type	Description
	Ids()	Integer()	Array of Transmittal Detail System IDs
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType = " Transmittal Detail " StatusCode = "S" ReferenceId = Transmittal Detail SystemID
Exception Messages	Type	Status Messages	
	ResultInfo()	- Record does not exist. - Record in workflow cannot be deleted.	

GetTransmittalById

Input Parameters	Parameter	Type	Description
	TransmittalId	Integer	TransmittalSystem ID
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	TransmittalsInfo	Class	
Exception Messages	Type	Status Messages	
		Server exception message if any occurred	

GetTransmittalsByIds

Input Parameters	Parameter	Type	Description
	Ids()	Integer()	Array of TransmittalSystem ID
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	TransmittalsInfo()	Class	Array of TransmittalsInfo classes
Exception Messages	Type	Status Messages	
		Server exception message if any occurred	

GetTransmittalsList

Input Parameters	Parameter	Type	Description
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	TransmittalsInfo()	Class	Array of TransmittalsInfo Classes.
Exception Messages	Type	Status Messages	
		Server exception message if any occurred	

GetTransmittals

Filters Transmittals based on the values sent.

Input Parameters	Parameter	Type	Description
	RecordNumber	String	
	Description	String	
	ProjectNumber	String	
	ProjectName	String	
	Reference	String	
	Category	String	
	Status	String	
	LastUpdateDate	Date	
Output Parameters	PMWebCredentials	Class	
	Parameter	Type	Description
Exception Messages	TransmittalsInfo()	Class	Array of TransmittalsInfo Classes
	Type	Status Messages	
Exception Messages		Server exception message if any occurred	

Meeting Minutes Operations

This section lists all Meeting Minutes related operations that PMWeb API supports. Those operations are accessible from <http://<YourWebServiceDomain>/EngineeringForms/MeetingMinutes.asmx>.

Operations List

- initiateResultInfo
- initiatePMWebCredentials
- initiateMeetingMinutesInfo
- InitiateMeetingMinutesDetailInfo
- InitiateContact
- GetMeetingMinutesById
- GetMeetingMinutesList
- GetMeetingMinutes
- GetMeetingMinutesByIds
- AddMeetingMinutesDetails
- AddMeetingMinutes
- UpdateMeetingMinutesDetails
- UpdateMeetingMinutes
- DeleteMeetingMinutesDetails
- DeleteMeetingMinutes
- GenerateTransmittal

Operations

DeleteMeetingMinutes

Input Parameters	Parameter	Type	Description
	Ids()	Integer	Array of Meeting Minutes IDs
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType = "Meeting Minutes" StatusCode = "S" ReferenceId = Meeting Minutes SystemID
Exception Messages	Type	Status Messages	
	ResultInfo()	- Record in workflow cannot be deleted. - Id does not exist.	

DeleteMeetingMinutesDetails

Input Parameters	Parameter	Type	Description
	Ids()	Integer	Array of Meeting Minutes Detail IDs
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType = "Meeting Minutes Detail" StatusCode = "S" ReferenceId = Meeting Minutes Detail SystemID
Exception Messages	Type	Status Messages	
	ResultInfo()	- Record in workflow. Meeting Minutes Detail cannot be deleted. - Record does not exist.	

GetMeetingMinutes

Filters Meeting Minutes based on the values provided.

Input Parameters	Parameter	Type	Description
	RecordNumber	String	Meeting Minutes Number
	Description	String	
	ProjectNumber	String	
	ProjectName	String	
	Reference	String	
	Category	String	
	LastUpdateDate	Date	
	Status	String	
	Type	String	
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	MeetingMinutesInfo()	Class	Array of MeetingMinutesInfo Classes.
	Type	Status Messages	

Exception Messages

	Server exception message if any occurred
--	--

GetMeetingMinutesByIds

Input Parameters	Parameter	Type	Description
	Ids()	Integer	Array of Meeting Minutes IDs
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	MeetingMinutesInfo()	Class	Array of MeetingMinutesInfo Classes
Exception Messages	Type	Status Messages	
		Server exception message if any occurred	

GetMeetingMinutesList

Input Parameters	Parameter	Type	Description
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	MeetingMinutesInfo()	Class	Array of MeetingMinutesInfo Classes
Exception Messages	Type	Status Messages	
		Server exception message if any occurred	

GetMeetingMinutesById

Input Parameters	Parameter	Type	Description
	MeetingMinutesId	Integer	Meeting Minutes System ID
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	MeetingMinutesInfo	Class	MeetingMinutesInfo Class.
Exception Messages	Type	Status Messages	
		Server exception message if any occurred	

AddMeetingMinutes

Input Parameters	Parameter	Type	Description
	MeetingMinutesInfo()	Class	Array of MeetingMinutesInfo Classes.
	PMWebCredentials	Class	

Output Parameters

Parameter	Type	Description
ResultInfo()	Class	ObjectType "Meeting Minutes" StatusCode = "S" ReferenceId = Meeting Minutes ClientID ObjectType = "Meeting Minutes Detail" StatusCode = "S" ReferenceId = Meeting Minutes Detail ClientID

Considerations

- _MeetingNumber will automatically increment if an existing record has the same Project, Type and RecordNumber.
- Contacts() Represents the "Assigned To" field in PMWeb

Exception Messages

Type	Status Messages
ResultInfo()	- Project is required. - Project is not active. - Record Number is required. - Status is required. - Project Not in List. - Type Not in List - Category Not in List. - Phase Not in List. - WBS Not in List. - Company is not in the Active companies List. - ReportedBy is not in the Company Active Contact List. - Task Not in List. - Status Not in List.

AddMeetingMinutesDetails**Input Parameters**

Parameter	Type	Description
MeetingMinutesDetailInfo()	Class	Array of MeetingMinutesDetailInfo Classes.
PMWebCredentials	Class	

Output Parameters

Parameter	Type	Description
ResultInfo()	Class	ObjectType = "Meeting Minutes Detail" StatusCode = "S" ReferenceId = Meeting Minutes Detail ClientID

Considerations

- Contacts() Represents the "Assigned To" field in PMWeb

Exception Messages

Type	Status Messages
ResultInfo()	- Record does not exist. - Record in workflow. Meeting Minutes Detail cannot be added - Company is not in the Active companies List. - ReportedBy is not in the Company Active Contact List. - Task Not in List. - Status Not in List.

	- Category Not in List
--	------------------------

UpdateMeetingMinutes

Input Parameters	Parameter	Type	Description
	MeetingMinutesInfo()	Class	Array of MeetingMinutesInfo Classes.
	PMWebCredentials	Class	

Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType "Meeting Minutes" StatusCode = "S" ReferenceId = Meeting Minutes SystemID ObjectType = "Meeting Minutes Detail" StatusCode = "S" ReferenceId = Meeting Minutes Detail SystemID

Considerations	- Contacts() Represents the "Assigned To" field in PMWeb.
-----------------------	---

Exception Messages	Type	Status Messages
	ResultInfo()	- RecordID does not exist - Record in workflow.Meeting Minutes cannot be updated. - Record Number is required. - Status is required. - Category Not in List. - WBS Not in List. - Record Number must be unique for each Project, Meeting Number And Type. - Company is not in the Active companies List. - ReportedBy is not in the Company Active Contact List. - Task Not in List. - Status Not in List.

UpdateMeetingMinutesDetails

Input Parameters	Parameter	Type	Description
	MeetingMinutesDetailInfo()	Class	Array of MeetingMinutesDetailInfo Classes.
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType = "Meeting Minutes Detail" StatusCode = "S" ReferenceId = Meeting Minutes Detail System ID
Considerations	- Contacts() Represents the "Assigned To" field in PMWeb		
Exception Messages	Type	Status Messages	
	ResultInfo()	- Record does not exist. - Record in workflow. Meeting Minutes Detail cannot be added - Company is not in the Active companies List. - ReportedBy is not in the Company Active Contact List. - Task Not in List. - Status Not in List. - Category Not in List	

GenerateTranmittal

Input Parameters	Parameter	Type	Description
	MeetingMinutesId	Integer	Meeting Minutes System ID
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType = "Meeting Minutes" StatusCode = "S" ReferenceId = Transmittal PMWeb System ID
Exception Messages	Type	Status Messages	
	ResultInfo()	- RecordID does not exist. - Record in workflow cannot Generate Transmittals.	

Submittal Sets Operations

This section lists all Submittal Sets related operations that PMWeb API supports. Those operations are accessible from <http://<YourWebServiceDomain>/EngineeringForms/SubmittalSets.aspx>.

Operations List

- initiateResultInfo
- initiatePMWebCredentials
- initiateSubmittalSetInfo
- InitiateSubmittalSetDetailInfo
- GetSubmittalSetById
- GetSubmittalSetsList
- GetSubmittalSets
- GetSubmittalSetsByIds
- AddSubmittalSetDetails
- AddSubmittalSets
- UpdateSubmittalSetDetails
- UpdateSubmittalSets
- DeleteSubmittalSetDetails
- DeleteSubmittalSets
- GenerateTransmittals

Operations

DeleteSubmittalSets

Input Parameters	Parameter	Type	Description
	Ids()	Integer	Array of Submittal Set Ids
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType = "Submittal Set" StatusCode = "S" ReferenceId = SubmittalSet SystemID
Exception Messages	Type	Status Messages	
	ResultInfo()	- Record in workflow cannot be deleted. - Id does not exist.	

DeleteSubmittalSetDetails

Input Parameters	Parameter	Type	Description
	Ids()	Integer	Array of Submittal Set Detail Ids
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType = "Submittal Set Detail" StatusCode = "S" ReferenceId = Submittal Set Detail SystemID

Exception Messages

Type	Status Messages
ResultInfo()	- Record in workflow. Submittal Set Detail cannot be deleted. - Id does not exist.

GetSubmittalSets

Filters Submittal Sets based on the values provided.

Input Parameters	Parameter	Type	Description
	RecordNumber	String	Submittal Set Number
	Description	String	
	ProjectNumber	String	
	ProjectName	String	
	Reference	String	
	Category	String	
	LastUpdateDate	Date	
	Status	String	
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	SubmittalSetInfo()	Class	Array of SubmittalSetInfo Classes.
Exception Messages	Type	Status Messages	
		Server exception message if any occurred	

GetSubmittalSetsByIds

Input Parameters	Parameter	Type	Description
	Ids()	Integer	Array of Submittal Set Ids
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	SubmittalSetInfo()	Class	Array of SubmittalSetInfo Classes
Exception Messages	Type	Status Messages	
		Server exception message if any occurred	

GetSubmittalSetsList

Input Parameters	Parameter	Type	Description
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	SubmittalSetInfo()	Class	Array of SubmittalSetInfo Classes
Exception Messages	Type	Status Messages	
		Server exception message if any occurred	

GetSubmittalSetById

Input Parameters	Parameter	Type	Description
	SubmittalSetId	Integer	Submittal Set System ID
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	SubmittalSetInfo	Class	SubmittalSetInfo Class.
Exception Messages	Type	Status Messages	
		Server exception message if any occurred	

AddSubmittalSets

Input Parameters	Parameter	Type	Description
	SubmittalSetInfo()	Class	Array of SubmittalSetInfo Classes.
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType "Submittal Set" StatusCode = "S" ReferenceId = Submittal Set ClientID ObjectType = "Submittal Set Detail" StatusCode = "S" ReferenceId = Submittal Set Detail ClientID
Considerations	- The SubmitOverDue field in a Submittal Set Detail is automatically calculated. SubmitOverDue= Submitted - DueDate - The ReturnOverDuefield in a Submittal Set Detail is automatically calculated. ReturnOverDue = ReturnedDate- ReturnDueDate		
Exception Messages	Type	Status Messages	
	ResultInfo()	- Submittal Set ID must be unique by Project,Phase and Revision - Project is required. - Project is not active. - Record Number is required. - Status is required. - Status Not in List - Project Not in List. - Category Not in List. - Phase Not in List. - WBS Not in List. - From Company Not in the Active Companies List. - To Company Not in the Active Companies List. - Assigned To Company Not in the Active Companies List. - Company Not in the Active Companies List. - Manufacturer Not in the Active Companies List. - Supplier Not in the Active Companies List. - Task Not in List. - ReviewTask Not in List.	

AddSubmittalSetDetails

Input Parameters	Parameter	Type	Description
	SubmittalSetDetailInfo()	Class	Array of SubmittalSetDetailInfo Classes.
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType = "Submittal Set Detail" StatusCode = "S" ReferenceId = Submittal Set Detail ClientID
Considerations	- The SubmitOverDue field in a Submittal Set Detail is automatically calculated. SubmitOverDue= Submitted - DueDate - The ReturnOverDuefield in a Submittal Set Detail is automatically calculated. ReturnOverDue = ReturnedDate- ReturnDueDate		
Exception Messages	Type	Status Messages	
	ResultInfo()	- Record does not exist. - Record in workflow. Submittal Set Detail cannot be added - Status Not in List - Phase Not in List. - Company Not in the Active Companies List. - Manufacturer Not in the Active Companies List. - Supplier Not in the Active Companies List. - Task Not in List. - ReviewTask Not in List.	

UpdateSubmittalSets

Input Parameters	Parameter	Type	Description
	SubmittalSetInfo()	Class	Array of SubmittalSetInfo Classes.
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType "Submittal Set" StatusCode = "S" ReferenceId = Submittal Set SystemID ObjectType = "Submittal Set Detail" StatusCode = "S" ReferenceId = Submittal Set Detail SystemID
Considerations	- The SubmitOverDue field in a Submittal Set Detail is automatically calculated. SubmitOverDue= Submitted - DueDate - The ReturnOverDuefield in a Submittal Set Detail is automatically calculated. ReturnOverDue = ReturnedDate- ReturnDueDate		
Exception Messages	Type	Status Messages	
	ResultInfo()	- RecordID does not exist. - Submittal Set ID must be unique by Project,Phase and Revision - Record in workflow. Submittal Set cannot be updated. - Record Number is required. - Status is required. - Status Not in List - Category Not in List. - WBS Not in List. - From Company Not in the Active Companies List. - To Company Not in the Active Companies List. - Assigned To Company Not in the Active Companies List. - Company Not in the Active Companies List. - Manufacturer Not in the Active Companies List. - Supplier Not in the Active Companies List. - Task Not in List. - ReviewTask Not in List.	

UpdateSubmittalSetDetails

Input Parameters	Parameter	Type	Description
	SubmittalSetDetailInfo()	Class	Array of SubmittalSetDetailInfo Classes.
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType = "Submittal Set Detail" StatusCode = "S" ReferenceId = Submittal Set Detail System ID
Considerations	- The SubmitOverDue field in a Submittal Set Detail is automatically calculated. SubmitOverDue= Submitted - DueDate - The ReturnOverDuefield in a Submittal Set Detail is automatically calculated. ReturnOverDue = ReturnedDate- ReturnDueDate		
Exception Messages	Type	Status Messages	
	ResultInfo()	- Record does not exist. - Record in workflow. Submittal Set Detail cannot be Updated. - Status Not in List - Phase Not in List. - Company Not in the Active Companies List. - Manufacturer Not in the Active Companies List. - Supplier Not in the Active Companies List. - Task Not in List. - ReviewTask Not in List.	

GenerateTranmittals

Input Parameters	Parameter	Type	Description
	SubmittalSetId	Integer	Submittal Set System ID
	SubmittalSetDetailIds	Integer	Array of Submittal Set Detail IDs
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType = "Submittal Set" StatusCode = "S" ReferenceId = Transmittal PMWeb System ID
Exception Messages	Type	Status Messages	
	ResultInfo()	- Record does not exist. - Record in workflow cannot Generate Transmittals. - Record does not Exist or Does not belong to this Submittal Set.	

OnlineSubmittals

This section lists all OnlineSubmittals related operations that PMWeb API supports. Those operations are accessible from <http://<YourWebServiceDomain>/EngineeringForms/OnlineSubmittals.asmx>.

Operations List

- initiateSubmittalsInfo
- initiateResultInfo
- GetOnlineSubmittalById
- GetOnlineSubmittalsList
- GetOnlineSubmittalsByIds
- GetOnlineSubmittals
- AddOnlineSubmittals
- AddOnlineSubmittalDetails
- UpdateOnlineSubmittals
- UpdateOnlineSubmittalDetails
- DeleteOnlineSubmittals
- DeleteOnlineSubmittalDetails

Operations

GetOnlineSubmittalById

Input Parameters	Parameter	Type	Description
	OnlineSubmittalId	Integer	OnlineSubmittalSystem ID
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	SubmittalsInfo ()	Class	Array of SubmittalsInfo class
Exception Messages	Type	Status Messages	
		Server exception message if any occurred	

GetOnlineSubmittalsList

Input Parameters	Parameter	Type	Description
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	SubmittalsInfo ()	Class	Array of SubmittalsInfo class
Exception Messages	Type	Status Messages	
		Server exception message if any occurred	

GetOnlineSubmittalsByIds

Input Parameters	Parameter	Type	Description
	Ids()	Integer()	Array of OnlineSubmittalSystem ID

Output Parameters	PMWebCredentials	Class	
	Parameter	Type	Description
	SubmittalsInfo ()	Class	Array of SubmittalsInfo class
Exception Messages	Type	Status Messages	
		Server exception message if any occurred	

GetOnlineSubmittals

Input Parameters	Parameter	Type	Description
	DocNumber	String	OnlineSubmittalSystem ID
	Description	String	
	CSICode	String	
	SubmittedDate	Date	
	DueDate	Date	
	DocumentDate	Date	
	Reference	String	
	WBSCode	String	
	WBSName	String	
	objPMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	SubmittalsInfo ()	Class	Array of SubmittalsInfo class
Exception Messages	Type	Status Messages	
		Server exception message if any occurred	

AddOnlineSubmittals

Input Parameters	Parameter	Type	Description
	SubmittalsInfo()	Class	Array of SubmittalsInfo Class
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType = "Online Submittal" StatusCode = "S" ReferenceId = Submittal ClientID
Exception Messages	Type	Status Messages	
	ResultInfo()	- Submittal ID is required. - Project is required. - Online Submittal ID must be unique. - Phase Not in List. - Submittal Set Not in List. - CSI Code Not in List. - WBS Not in List. - Category Not in List.	

AddOnlineSubmittalDetails

Input Parameters

Parameter	Type	Description
SubmittalDetailsInfo()	Class	Array of SubmittalDetailsInfo Class
PMWebCredentials	Class	

Output Parameters

Parameter	Type	Description
ResultInfo()	Class	ObjectType = "Online Submittal Detail " StatusCode = "S" ReferenceId = SubmittalDetailInfo ClientID

Exception Messages

Type	Status Messages
ResultInfo()	- Record in workflow. Submittal Detail cannot be added. - CSI Code Not in List. - Manufacturer Not in the Active Companies List. - Supplier Not in the Active Companies List. - Status Not in List. - Task Not in List.

UpdateOnlineSubmittals**Input Parameters**

Parameter	Type	Description
SubmittalsInfo()	Class	Array of SubmittalsInfo Class
PMWebCredentials	Class	

Output Parameters

Parameter	Type	Description
ResultInfo()	Class	ObjectType = "Online Submittal" StatusCode = "S" ReferenceId = Submittal ClientID

Exception Messages

Type	Status Messages
	- Submittal ID is required. - Project is required. - Online Submittal ID must be unique. - Phase Not in List. - Submittal Set Not in List. - CSI Code Not in List. - WBS Not in List. - Category Not in List.

UpdateOnlineSubmittalDetails**Input Parameters**

Parameter	Type	Description
SubmittalDetailsInfo()	Class	Array of SubmittalDetailsInfo Class
PMWebCredentials	Class	

Output Parameters

Parameter	Type	Description
ResultInfo()	Class	ObjectType = "Online Submittal Detail " StatusCode = "S" ReferenceId = SubmittalDetailInfo ClientID

Exception Messages

Type	Status Messages
	- Record in workflow. Submittal Detail cannot be added.

	- CSI Code Not in List. - Manufacturer Not in the Active Companies List. - Supplier Not in the Active Companies List. - Status Not in List. - Task Not in List.
--	---

DeleteOnlineSubmittals

Input Parameters	Parameter	Type	Description
	Ids()	Integer()	Array of SubmittalsInfo Class
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType = "Online Submittal" StatusCode = "S" ReferenceId = Submittal ClientID
Exception Messages	Type	Status Messages	
	ResultInfo()	-Record does not exist. -Record in workflow cannot be deleted.	

DeleteOnlineSubmittalDetails

Input Parameters	Parameter	Type	Description
	SubmittalDetailsInfo()	Class	Array of SubmittalDetailsInfo Class
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType = "Online Submittal Detail " StatusCode = "S" ReferenceId = SubmittalDetailInfo ClientID
Exception Messages	Type	Status Messages	
	ResultInfo()	-Id does not exist. -Record in workflow. Submittal Set Detail cannot be deleted.	

Drawing Lists

This section lists all Drawing Lists related operations that PMWeb API supports. Those operations are accessible from <http://<YourWebServiceDomain>/EngineeringForms /DrawingLists.asmx>.

Operations List

- initiateDrawingListInfo
- initiatePMWebCredentials
- GetDrawingListById
- GetDrawingList_List
- GetDrawingLists
- GetDrawingListsByIds
- AddDrawingLists
- UpdateDrawingLists
- DeleteDrawingList
- AddDrawingListsDetails
- UpdateDrawingListsDetails
- DeleteDrawingListsDetails
- GenerateTransmittals

Operations

GetDrawingListById

Input Parameters	Parameter	Type	Description
	DrawingListId	Integer	Drawing Lists System ID
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	DrawinglistInfo()	Class	
Exception Messages	Type	Status Messages	
		Server exception message if any occurred	

GetDrawingList_List

Input Parameters	Parameter	Type	Description
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	DrawingListInfo()	Class	Array of DrawingListInfo class.
Exception Messages	Type	Status Messages	
		Server exception message if any occurred	

GetDrawingListByIds

Input Parameters	Parameter	Type	Description
	Ids()	Integer	Array of Drawing Lists System ID
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	DrawingListInfo()	Class	Array of DrawingListInfo class.
Exception Messages	Type	Status Messages	
		Server exception message if any occurred	

GetDrawingLists

Filters DrawingLists that matches the values provided.

Input Parameters	Parameter	Type	Description
	DrawingListNumber	String	
	Description	String	
	ProjectNumber	String	
	ProjectName	String	
	PhaseDescription	String	
	PhaseName	String	
	WBSCode	String	
	WBSName	String	
	Category	String	
	CSICode	String	
	CSIDivision	String	
	FromCompanyCode	String	
	FromContactCode	String	
	Status	String	
	Reference	String	
	LastUpdateDate	Date	
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	DrawingListInfo()	Class	Array of DrawingListInfo class.
Exception Messages	Type	Status Messages	
		Server exception message if any occurred	

DeleteDrawingLists

Input Parameters	Parameter	Type	Description
	Ids()	Integer()	Array of DrawingLists System ID
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType = "Drawing Lists" StatusCode = "S"
		Type	Status Messages

Exception Messages

ResultInfo ()	-Record does not exist. -Record in workflow cannot be deleted.
---------------	---

AddDrawingLists

Input Parameters	Parameter	Type	Description
	DrawingListInfo()	Class	Array of DrawingListInfo Class
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo ()	Class	ObjectType = "Drawing Lists" StatusCode = "S" ReferenceId = Drawing List Client ID
Exception Messages	Type	Status Messages	
	ResultInfo ()	- Status is required. - DrawingListNumber is required. - Project is required. - Project Not in List. - Project is not active. - FromContact Not in List. - CSIDivision Not in List. - Status Not In List. - Category Not in List. - Phase Not in List. - CSICode not in List. - WBS not in List. - RecordNumber already used.	

UpdateDrawingListsDetails

Input Parameters	Parameter	Type	Description
	DrawingListDetailInfo()	Class	Array of DrawingListDetailInfo Class
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo ()	Class	ObjectType = "Drawing List Detail" StatusCode = "S" ReferenceId = Drawing Lists System ID
Exception Messages	ResultInfo ()	- Task Not in List. - CSIDivision Not in List. - Status Not In List. - Category Not in List. - CSICode not in List. - Location not in List. - Record does not exist. - Drawing List does not exist.	

DeleteDrawingListsDetails

Input Parameters	Parameter	Type	Description
	DrawingListDetailIds()	Integer()	Array of DrawingLists System ID
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo ()	Class	ObjectType = " Drawing List Detail " StatusCode = "S" ReferenceId = Drawing Lists Client ID
Exception Messages	Type	Status Messages	
	ResultInfo ()	- Drawing List does not exist. - Record does not exist. - Record in workflow .It cannot be deleted.	

RFI Operations

This section lists all RFI related operations that PMWeb API supports. Those operations are accessible from <http://<YourWebServiceDomain>/EngineeringForms/RFI.aspx>.

Operations List

- initiateResultInfo
- initiatePMWebCredentials
- initiateRFIInfo
- GetRFIById
- GetRFIList
- GetRFIs
- GetRFIByIds
- AddRFIs
- UpdateRFIs
- DeleteRFIs

Operations

DeleteRFIs

Input Parameters	Parameter	Type	Description
	Ids()	Integer	Array of RFI IDs
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType = "RFI" StatusCode = "S" ReferenceId = RFI SystemID
Exception Messages	Type	Status Messages	
	ResultInfo()	- Record in workflow cannot be deleted. - Record does not exist.	

GetRFIs

Filters RFI based on the values provided.

Input Parameters	Parameter	Type	Description
	RFINumber	String	RFI Number
	Description	String	
	ProjectNumber	String	
	ProjectName	String	
	Reference	String	
	Category	String	
	LastUpdateDate	Date	
	Status	String	
	Type	String	
	PhaseName	String	
	PhaseDescription	String	
	WBSCode	String	
	WBSName	String	
	FromCompanyCode	String	
	FromContactCode	String	
	ToCompanyCode	String	
	ToContactCode	String	
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	RFIInfo()	Class	Array of RFIInfoClasses.
Exception Messages	Type	Status Messages	
		Server exception message if any occurred	

GetRFIByIds

Input Parameters	Parameter	Type	Description
	Ids()	Integer	Array of RFI IDs
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	RFIInfo()	Class	Array of RFIInfo Classes
Exception Messages	Type	Status Messages	
		Server exception message if any occurred	

GetRFIList

Input Parameters	Parameter	Type	Description
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	RFIInfo()	Class	Array of RFIInfo Classes
Exception Messages	Type	Status Messages	
		Server exception message if any occurred	

GetRFIById

Input Parameters	Parameter	Type	Description
	RFIId	Integer	RFISystem ID
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	RFIInfo	Class	RFIInfo Class.
Exception Messages	Type	Status Messages	
		Server exception message if any occurred	

AddRFIs

Input Parameters	Parameter	Type	Description
	RFIInfo()	Class	Array of RFIInfo Classes.
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType "RFI" StatusCode = "S" ReferenceId = RFI ClientID
Considerations	- TtheRecord Number should be unique Project and phase		
Exception Messages	Type	Status Messages	
	ResultInfo()	- Project is not active. - RFINumber is required. - RFI Number already used - Status is required. - Project Not in List. - Type Not in List - Category Not in List. - Phase Not in List. - WBS Not in List. - Task Not in List. - From Contact Not in List. - To Contact Not in List. - Priority Not in List. - Task Not in List. - Trade Not in List.	

	- Status Not in List.
--	-----------------------

UpdateRFIs

Input Parameters	Parameter	Type	Description
	RFIInfo()	Class	Array of RFIInfo Classes.
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType "RFI" StatusCode = "S" ReferenceId = RFISystemID
Exception Messages	Type	Status Messages	
	ResultInfo()	- Record does not exist - Record in workflow. RFI cannot be updated. - RFINumber is required. - RFI Number already used - Status is required. - Type Not in List - Category Not in List. - WBS Not in List. - Task Not in List. - From Contact Not in List. - To Contact Not in List. - Priority Not in List. - Task Not in List. - Trade Not in List. - Status Not in List.	

AP Payments

This section lists all AP Payments related operations that PMWeb API supports. Those operations are accessible from <http://<YourWebServiceDomain>/Costmanagement/APPayments.asmx>.

Operations List

- initiateAPPaymentDetailInfo
- initiateAPPaymentInfo
- initiatePMWebCredentials
- [GetAPPaymentById](#)
- [GetAPPaymentsList](#)
- [GetAPPayments](#)
- [GetAPPaymentsByIds](#)
- [AddAPPayments](#)
- [UpdateAPPayments](#)
- [DeleteAPPaymentDetails](#)
- [DeleteAPPayments](#)

Operations

GetAPPaymentById

Input Parameters	Parameter	Type	Description
	APPaymentId	Integer	APPayment System ID
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	APPaymentInfo	Class	
Exception Messages	Type	Status Messages	
		Server exception message if any occurred	

GetAPPaymentsList

Input Parameters	Parameter	Type	Description
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	APPaymentInfo ()	Class	Array of APPaymentInfo class.
Exception Messages	Type	Status Messages	
		Server exception message if any occurred	

GetAPPaymentsByIds

Input Parameters	Parameter	Type	Description
	Ids()	Integer	Array of AP Payments System ID
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	APPaymentInfo()	Class	Array of APPaymentInfo class.
Exception Messages	Type	Status Messages	
		Server exception message if any occurred	

GetAPPayments

Filters AP Payments that matches the values provided.

Input Parameters	Parameter	Type	Description
	ID	String	
	Description	String	
	ProjectNumber	String	
	ProjectName	String	
	ProgramNumber	String	
	ProgramName	String	
	CompanyCode	String	
	Category	String	
	Period	String	
	Status	String	
	Reference	String	
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	APPaymentInfo()	Class	Array of APPaymentInfo class.
Exception Messages	Type	Status Messages	
		Server exception message if any occurred	

DeleteAPPayments

Input Parameters	Parameter	Type	Description
	Ids()	Integer()	Array of AP Payments System ID
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType = "A/P Payments" StatusCode = "S" ReferenceId = A/P Payments SystemID
Exception Messages	Type	Status Messages	
	ResultInfo()		

DeleteAPPaymentDetails

Input Parameters

Parameter	Type	Description
Ids()	Integer()	Array of AP Payment Details System ID
PMWebCredentials	Class	

Output Parameters

Parameter	Type	Description
ResultInfo()	Class	ObjectType = "A/P Payments Detail" StatusCode = "S" ReferenceId = A/P Payment Detail SystemID

Exception Messages

Type	Status Messages
ResultInfo()	

AddAPPayments**Input Parameters**

Parameter	Type	Description
APPaymentInfo()	Class	Array of APPaymentInfo Class
PMWebCredentials	Class	

Output Parameters

Parameter	Type	Description
ResultInfo()	Class	ObjectType = "A/P Payments " StatusCode = "S" ReferenceId = APPayment ClientID

Considerations

- The PaymentAmount must be less than the **ProgressInvoice** or **Miscellaneous Invoice** open balance (Depending on the Linked Invoice Type). In other words, if the Linked Invoice is a Miscellaneous Invoice, the payment amount should not exceed that invoices Open Balance.
- ID is unique by Project, by Program or between all records; that depends on the PMWeb record number settings configured.

Exception Messages

Type	Status Messages
ResultInfo()	- ID is required. - Status is required. - Program Not in List. - Project Not in List. - Company Not in List. - Status Not In List. - Period Not in List. - Category Not in List. - Payment Method Not in List. - Type Not in List. - Cost Code Not in List. - Miscellaneous Invoice does not exist for this project or it is not approved. - Commitment does not exist for this project or it is withdrawn or rejected. - Progress invoice does not exist for this project or it is not approved. - Save cannot be completed because it would result in the overpayment of a linked invoice.

UpdateAPPayments**Input Parameters**

Parameter	Type	Description
-----------	------	-------------

APPaymentInfo()	Class	Array of APPaymentInfo Class
PMWebCredentials	Class	

Output Parameters

Parameter	Type	Description
ResultInfo()	Class	ObjectType = "A/P Payments " StatusCode = "S" ReferenceId = APPayment ClientID

Considerations

- The PaymentAmount must be less than the **ProgressInvoice** or **Miscellaneous Invoice** open balance (Depending on the Linked Invoice Type). In other words, if the Linked Invoice is a Miscellaneous Invoice, the payment amount should not exceed that invoices Open Balance.
- ID is unique by Project, by Program or between all records; that depends on the PMWeb record number settings configured.
- The project cannot be changed; therefore no value will be taken for Project Number.

Exception Messages

Type	Status Messages
ResultInfo()	- ID is required. - Status is required. - Program Not in List. - Project Not in List. - Company Not in List. - Status Not In List. - Period Not in List. - Category Not in List. - Payment Method Not in List. - Type Not in List. - Cost Code Not in List. - Miscellaneous Invoice does not exist for this project or it is not approved. - Commitment does not exist for this project or it is withdrawn or rejected. - Progress invoice does not exist for this project or it is not approved. - Save cannot be completed because it would result in the overpayment of a linked invoice. - Record in workflow cannot be edited.

AR Payments Operation

This section lists all AR Payments related operations that PMWeb API supports. Those operations are accessible from <http://<YourWebServiceDomain>/Costmanagement/ARPayments.asmx>.

Operations List

- initiateARPaymentDetailInfo
- initiateARPaymentInfo
- initiatePMWebCredentials
- [GetARPaymentById](#)
- [GetARPaymentsList](#)
- [GetARPayments](#)
- [GetARPaymentsByIds](#)
- [AddARPayments](#)
- [UpdateARPayments](#)
- [DeleteARPaymentDetails](#)
- [DeleteARPayments](#)

Operations

GetARPaymentById

Input Parameters	Parameter	Type	Description
	ARPaymentId	Integer	ARPayment System ID
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ARPaymentInfo	Class	
Exception Messages	Type	Status Messages	
		Server exception message if any occurred	

GetARPaymentsList

Input Parameters	Parameter	Type	Description
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ARPaymentInfo ()	Class	Array of ARPaymentInfo class.
Exception Messages	Type	Status Messages	
		Server exception message if any occurred	

GetARPaymentsByIds

Input Parameters	Parameter	Type	Description
	Ids()	Integer	Array of ARPayments System ID
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ARPaymentInfo ()	Class	Array of ARPaymentInfo class.
Exception Messages	Type	Status Messages	
		Server exception message if any occurred	

GetARPayments

Filters AR Payments that matches the values provided.

Input Parameters	Parameter	Type	Description
	ID	String	
	Description	String	
	ProjectNumber	String	
	ProjectName	String	
	ProgramNumber	String	
	ProgramName	String	
	CompanyCode	String	
	Category	String	
	Period	String	
	Status	String	
	Reference	String	
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ARPaymentInfo ()	Class	Array of ARPaymentInfo class.
Exception Messages	Type	Status Messages	
		Server exception message if any occurred	

DeleteARPayments

Input Parameters	Parameter	Type	Description
	Ids()	Integer()	Array of AR Payments System ID
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo ()	Class	ObjectType = "A/R Payments" StatusCode = "S" ReferenceId = A/R Payments SystemID
Exception Messages	Type	Status Messages	
	ResultInfo ()		

DeleteARPaymentDetails

Input Parameters

Parameter	Type	Description
Ids()	Integer()	Array of AR Payment Details System ID
PMWebCredentials	Class	

Output Parameters

Parameter	Type	Description
ResultInfo()	Class	ObjectType = "A/R Payments Detail" StatusCode = "S" ReferenceId = A/R Payment Detail SystemID

Exception Messages

Type	Status Messages
ResultInfo()	

AddARPayments**Input Parameters**

Parameter	Type	Description
ARPaymentInfo ()	Class	Array of ARPaymentInfo Class
PMWebCredentials	Class	

Output Parameters

Parameter	Type	Description
ResultInfo()	Class	ObjectType = "A/R Payments " StatusCode = "S" ReferenceId = ARPayment ClientID

Considerations

- The PaymentAmount must be less than the **Requisition** open balance
- ID is unique by Project, by Program or between all records; that depends on the PMWeb record number settings configured.

Exception Messages

Type	Status Messages
ResultInfo()	- ID is required. - Status is required. - Program Not in List. - Project Not in List. - Company Not in List. - Status Not In List. - Period Not in List. - Category Not in List. - Payment Method Not in List. - Type Not in List. - Cost Code Not in List. - Contract does not exist for this project or it is withdrawn or rejected. - Requisition does not exist for this project or it is not approved. - Save cannot be completed because it would result in the overpayment of a linked invoice.

UpdateARPayments

Input Parameters	Parameter	Type	Description
	ARPaymentInfo()	Class	Array of ARPaymentInfo Class
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType = "A/R Payments " StatusCode = "S" ReferenceId = ARPayment ClientID
Considerations	- The PaymentAmount must be less than the Requisition open balance - ID is unique by Project, by Program or between all records; that depends on the PMWeb record number settings configured. - The project cannot be changed; therefore no value will be taken for Project Number.		
Exception Messages	Type	Status Messages	
	ResultInfo()	- ID is required. - Status is required. - Program Not in List. - Project Not in List. - Company Not in List. - Status Not In List. - Period Not in List. - Category Not in List. - Payment Method Not in List. - Type Not in List. - Cost Code Not in List. - Commitment Not in List. - Miscellaneous Invoice Not in List. - Progress Invoice Not in List. - Save cannot be completed because it would result in the overpayment of a linked invoice. - Record in workflow cannot be edited.	

AP Payment Batches Operation

This section lists all AP Payments Batches related operations that PMWeb API supports. Those operations are accessible from <http://<YourWebServiceDomain>/Costmanagement/APPaymentBatches.asmx>.

Operations List

- initiateAPPaymentBatchesInfo
- initiateAPPaymentBatchesDetailInfo
- initiatePMWebCredentials
- [GetAPPaymentBatchById](#)
- [GetAPPaymentBatchesList](#)
- [GetAPPaymentBatches](#)
- [GetAPPaymentBatchesByIds](#)
- [AddAPPaymentBatches](#)
- [UpdateAPPaymentBatches](#)
- [AddAPPaymentBatchDetails](#)
- [UpdateAPPaymentBatchDetails](#)
- [DeleteAPPaymentBatchDetails](#)
- [DeleteAPPaymentBatches](#)

Operations

GetAPPaymentBatchById

Input Parameters	Parameter	Type	Description
	APPaymentBatchId	Integer	APPaymentBatch System ID
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	APPaymentBatchesInfo	Class	
Exception Messages	Type	Status Messages	
		Server exception message if any occurred	

GetAPPaymentBatchesList

Input Parameters	Parameter	Type	Description
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	APPaymentBatchesInfo()	Class	Array of APPaymentBatchesInfo classes.
Exception Messages	Type	Status Messages	
		Server exception message if any occurred	

GetAPPaymentBatchesByIds

Input Parameters	Parameter	Type	Description
	Ids()	Integer	Array of AP Payment Batch System Ids

Output Parameters	PMWebCredentials	Class	
	Parameter	Type	Description
	APPaymentBatchesInfo()	Class	Array of APPaymentBatchesInfo classes.
Exception Messages	Type	Status Messages	
		Server exception message if any occurred	

GetAPPaymentBatches

Filters AP Payment batches that matches the values provided.

Input Parameters	Parameter	Type	Description
	ID	String	
	Description	String	
	ProjectNumber	String	
	ProjectName	String	
	ProgramNumber	String	
	ProgramName	String	
	CompanyCode	String	
	Category	String	
	Period	String	
	Status	String	
	Reference	String	
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	APPaymentBatchesInfo()	Class	Array of APPaymentBatchesInfo classes.
Exception Messages	Type	Status Messages	
		Server exception message if any occurred	

DeleteAPPaymentBatches

Input Parameters	Parameter	Type	Description
	Ids()	Integer()	Array of AP Payment Batch System Ids
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType = "A/P Payment Batches" StatusCode = "S" ReferenceId = A/P Payment batch SystemID
Exception Messages	Type	Status Messages	
	ResultInfo()		

DeleteAPPaymentBatchDetails

Input Parameters	Parameter	Type	Description
	Ids()	Integer()	Array of AP Payment Batch Detail System Ids
	PMWebCredentials	Class	

Output Parameters

Parameter	Type	Description
ResultInfo()	Class	ObjectType = "A/P Payment Batches Detail" StatusCode = "S" ReferenceId = A/P Payment Batch Detail SystemID

Exception Messages

Type	Status Messages
ResultInfo()	

AddAPPaymentbatches**Input Parameters**

Parameter	Type	Description
APPaymentBatchesInfo()	Class	Array of APPaymentBatchesInfo Classes
PMWebCredentials	Class	

Output Parameters

Parameter	Type	Description
ResultInfo()	Class	ObjectType = "A/P Payment Batches " StatusCode = "S" ReferenceId = APPaymentBatch ClientID

Considerations

- The PaymentAmount must be less than the **ProgressInvoice** or **Miscellaneous Invoice** open balance (Depending on the Linked Invoice Type). In other words, if the Linked Invoice is a Miscellaneous Invoice, the payment amount should not exceed that invoices Open Balance.
- ID is unique by Project, by Program or between all records; that depends on the PMWeb record number settings configured.
- If the Program and the project are provided for the AP Payment batch, the AP PaymentDetails will take the same Program and project.
- If the only the Program is provided for the AP Payment batch, you will be able to provide a project for each AP Payment Detail line that belongs to this program.
- If none is provided for the AP Payment batch, you will be able to provide both Program and Project for each AP Payment Detail line that belongs to this program.
- If the Commitment is provided for the AP Payment batch, the AP PaymentDetails will take the commitment's Program and project.

Exception Messages

Type	Status Messages
ResultInfo()	- ID is required. - Status is required. - Program Not in List. - Project Not in List. - Company Not in List. - Status Not In List. - Period Not in List. - Category Not in List. - Payment Method Not in List. - Type Not in List. - ID must be unique. - Cost Code Not in List. - Miscellaneous Invoice does not exist for this project or it is not approved. - Commitment does not exist for this project or it is withdrawn or rejected. - Progress invoice does not exist for this project or it is not approved.

	- Save cannot be completed because it would result in the overpayment of a linked invoice.
--	--

UpdateAPPaymentBatches

Input Parameters	Parameter	Type	Description
	APPaymentBatchesInfo()	Class	Array of APPaymentBatchesInfo Classes
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType = "A/P Payment Batches " StatusCode = "S" ReferenceId = APPayment Batch SystemID
Considerations	- The PaymentAmount must be less than the ProgressInvoice or Miscellaneous Invoice open balance (Depending on the Linked Invoice Type). In other words, if the Linked Invoice is a Miscellaneous Invoice, the payment amount should not exceed that invoices Open Balance. - ID is unique by Project, by Program or between all records; that depends on the PMWeb record number settings configured. - Program and Project values are read-only for both APPaymentBatchesInfo and APPaymentBatchesDetailInfo.		
Exception Messages	Type	Status Messages	
	ResultInfo()	- ID is required. - Status is required. - Program Not in List. - Project Not in List. - Company Not in List. - Status Not In List. - Period Not in List. - Category Not in List. - Payment Method Not in List. - Type Not in List. - ID must be unique. - Cost Code Not in List. - Miscellaneous Invoice does not exist for this project or it is not approved. - Commitment does not exist for this project or it is withdrawn or rejected. - Progress invoice does not exist for this project or it is not approved. - Save cannot be completed because it would result in the overpayment of a linked invoice.	

AddAPPaymentbatchDetails

Input Parameters	Parameter	Type	Description
------------------	------------------	-------------	--------------------

APPaymentBatchesDetailInfo()	Class	Array of APPaymentBatchesDetailInfo Classes
PMWebCredentials	Class	

Output Parameters

Parameter	Type	Description
ResultInfo()	Class	ObjectType = "A/P Payment BatchesDetails" StatusCode = "S" ReferenceId = AP Payment Batch Detail ClientID

Considerations

- The PaymentAmount must be less than the **ProgressInvoice** or **Miscellaneous Invoice** open balance (Depending on the Linked Invoice Type). In other words, if the Linked Invoice is a Miscellaneous Invoice, the payment amount should not exceed that invoices Open Balance.
- ID is unique by Project, by Program or between all records; that depends on the PMWeb record number settings configured.
- If the Program and the project are provided for the AP Payment batch, the AP PaymentDetails will take the same Program and project.
- If the only the Program is provided for the AP Payment batch, you will be able to provide a project for each AP Payment Detail line that belongs to this program.
- If none is provided for the AP Payment batch, you will be able to provide both Program and Project for each AP Payment Detail line that belongs to this program.
- If the Commitment is provided for the AP Payment batch, the AP PaymentDetails will take the commitment's Program and project.

Exception Messages

Type	Status Messages
ResultInfo()	- ID is required. - Status is required. - Program Not in List. - Project Not in List. - Company Not in List. - Status Not In List. - Period Not in List. - Category Not in List. - Payment Method Not in List. - Type Not in List. - ID must be unique. - Cost Code Not in List. - Miscellaneous Invoice does not exist for this project or it is not approved. - Commitment does not exist for this project or it is withdrawn or rejected. - Progress invoice does not exist for this project or it is not approved. - Save cannot be completed because it would result in the overpayment of a linked invoice.

UpdateAPPaymentBatchDetails

Input Parameters

Parameter	Type	Description
APPaymentBatchesDetailInfo()	Class	Array of APPaymentBatchesDetailInfo Classes
PMWebCredentials	Class	

Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType = "A/P Payment Batches Details " StatusCode = "S" ReferenceId = AP Payment Batch Details SystemID

Considerations	- The PaymentAmount must be less than the ProgressInvoice or Miscellaneous Invoice open balance (Depending on the Linked Invoice Type). In other words, if the Linked Invoice is a Miscellaneous Invoice, the payment amount should not exceed that invoices Open Balance. - ID is unique by Project, by Program or between all records; that depends on the PMWeb record number settings configured. - Program and Project values are read-only for both APPaymentBatchesInfo and APPaymentBatchesDetailInfo.
----------------	--

Exception Messages	Type	Status Messages
	ResultInfo()	- ID is required. - Status is required. - Program Not in List. - Project Not in List. - Company Not in List. - Status Not In List. - Period Not in List. - Category Not in List. - Payment Method Not in List. - Type Not in List. - ID must be unique. - Cost Code Not in List. - Miscellaneous Invoice does not exist for this project or it is not approved. - Commitment does not exist for this project or it is withdrawn or rejected. - Progress invoice does not exist for this project or it is not approved. - Save cannot be completed because it would result in the overpayment of a linked invoice.

AR Payment Batches Operation

This section lists all AR Payments Batches related operations that PMWeb API supports. Those operations are accessible from <http://<YourWebServiceDomain>/Costmanagement/ARPaymentBatches.asmx>.

Operations List

- initiateARPaymentBatchesInfo
- initiateARPaymentBatchesDetailInfo
- initiatePMWebCredentials
- [GetARPaymentBatchById](#)
- [GetARPaymentBatchesList](#)
- [GetARPaymentBatches](#)
- [GetARPaymentBatchesByIds](#)

- [AddARPaymentBatches](#)
- [UpdateARPaymentBatches](#)
- [AddARPaymentBatchDetails](#)
- [UpdateARPaymentBatchDetails](#)
- [DeleteARPaymentBatchDetails](#)
- [DeleteARPaymentBatches](#)

Operations

GetARPaymentBatchById

Input Parameters	Parameter	Type	Description
	ARPaymentBatchId	Integer	AR Payment Batch System ID
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ARPaymentBatchesInfo	Class	
Exception Messages	Type	Status Messages	
		Server exception message if any occurred	

GetARPaymentBatchesList

Input Parameters	Parameter	Type	Description
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ARPaymentBatchesInfo()	Class	Array of ARPaymentBatchesInfo classes.
Exception Messages	Type	Status Messages	
		Server exception message if any occurred	

GetARPaymentBatchesByIds

Input Parameters	Parameter	Type	Description
	Ids()	Integer	Array of AR Payment batch System Ids
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ARPaymentBatchesInfo()	Class	Array of ARPaymentBatchesInfoclasses.
Exception Messages	Type	Status Messages	
		Server exception message if any occurred	

GetARPaymentBatches

Filters AR Payment Batches that matches the values provided.

Input Parameters	Parameter	Type	Description
	ID	String	
	Description	String	

ProjectNumber	String	
ProjectName	String	
ProgramNumber	String	
ProgramName	String	
CompanyCode	String	
Category	String	
Period	String	
Status	String	
Reference	String	
PMWebCredentials	Class	

Output Parameters	Parameter	Type	Description
	ARPaymentBatchesInfo()	Class	Array of ARPaymentBatchesInfo classes.

Exception Messages	Type	Status Messages
		Server exception message if any occurred

DeleteARPaymentBatches

Input Parameters	Parameter	Type	Description
	Ids()	Integer()	Array of AR Payment Batch System Ids
	PMWebCredentials	Class	

Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType = "A/R Payment Batches" StatusCode = "S" ReferenceId = A/R Payment batch SystemID

Exception Messages	Type	Status Messages
	ResultInfo()	

DeleteARPaymentBatchDetails

Input Parameters	Parameter	Type	Description
	Ids()	Integer()	Array of AR Payment Batch Detail System Ids
	PMWebCredentials	Class	

Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType = "A/R Payment Batches Detail" StatusCode = "S" ReferenceId = A/R Payment Batch Detail SystemID

Exception Messages	Type	Status Messages
	ResultInfo()	

AddARPaymentbatches

Input Parameters	Parameter	Type	Description
------------------	-----------	------	-------------

ARPaymentBatchesInfo()	Class	Array of ARPaymentBatchesInfo Classes
PMWebCredentials	Class	

Parameter	Type	Description
ResultInfo()	Class	ObjectType = "A/R Payment Batches " StatusCode = "S" ReferenceId = ARPaymentBatch ClientID

Considerations

- The PaymentAmount must be less than the **Requisition** open balance
- ID is unique by Project, by Program or between all records; that depends on the PMWeb record number settings configured.
- If the Program and the project are provided for the AR Payment batch, the AR PaymentDetails will take the same Program and project.
- If the only the Program is provided for the AR Payment batch, you will be able to provide a project for each AR Payment Detail line that belongs to this program.
- If none is provided for the AR Payment batch, you will be able to provide both Program and Project for each AR Payment Detail line that belongs to this program.
- If the Contract is provided for the AR Payment batch, the AR PaymentDetails will take the Contract's Program and project.

Type	Status Messages
ResultInfo()	- ID is required. - Status is required. - Program Not in List. - Project Not in List. - Company Not in List. - Status Not In List. - Period Not in List. - Category Not in List. - Payment Method Not in List. - Type Not in List. - ID must be unique. - Cost Code Not in List. - Contract does not exist for this project or it is withdrawn or rejected. - Requisition does not exist for this project or it is not approved. - Save cannot be completed because it would result in the overpayment of a linked invoice.

UpdateARPaymentBatches

Input Parameters	Parameter	Type	Description
	ARPaymentBatchesInfo()	Class	Array of ARPaymentBatchesInfo Classes
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType = "A/R Payment Batches " StatusCode = "S" ReferenceId = ARPayment Batch SystemID
Considerations	- The PaymentAmount must be less than the Requisition open balance		

- The payment amount should not exceed that invoices Open Balance.
- ID is unique by Project, by Program or between all records; that depends on the PMWeb record number settings configured.
- Program and Project values are read-only for both ARPaymentBatchesInfo and ARPaymentBatchesDetailInfo.

Exception Messages

Type	Status Messages
ResultInfo()	- ID is required. - Status is required. - Program Not in List. - Project Not in List. - Company Not in List. - Status Not In List. - Period Not in List. - Category Not in List. - Payment Method Not in List. - Type Not in List. - ID must be unique. - Cost Code Not in List. - Contract does not exist for this project or it is withdrawn or rejected. - Requisition does not exist for this project or it is not approved. - Save cannot be completed because it would result in the overpayment of a linked invoice.

AddARPaymentbatchDetails

Input Parameters	Parameter	Type	Description
	ARPaymentBatchesDetailInfo()	Class	Array of ARPaymentBatchesDetailInfo Classes
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType = "A/R Payment BatchesDetails" StatusCode = "S" ReferenceId = AR Payment Batch Detail ClientID
Considerations	- The PaymentAmount must be less than the Requisition open balance - The payment amount should not exceed that invoices Open Balance. - ID is unique by Project, by Program or between all records; that depends on the PMWeb record number settings configured. - If the Program and the project are provided for the AR Payment batch, the AR Payment Details will take the same Program and project. - If the only the Program is provided for the AR Payment batch, you will be able to provide a project for each AR Payment Detail line that belongs to this program. - If none is provided for the AR Payment batch, you will be able to provide both Program and Project for each AR Payment Detail line that belongs to this program. - If the Contract is provided for the AR Payment batch, the AR Payment Details will take the Contract's Program and project.		
Type		Status Messages	

Exception Messages

ResultInfo()	- ID is required. - Status is required. - Program Not in List. - Project Not in List. - Company Not in List. - Status Not In List. - Period Not in List. - Category Not in List. - Payment Method Not in List. - Type Not in List. - ID must be unique. - Cost Code Not in List. - Contract does not exist for this project or it is withdrawn or rejected. - Requisition does not exist for this project or it is not approved. - Save cannot be completed because it would result in the overpayment of a linked invoice.
------------------------------	---

UpdateARPaymentBatchDetails

Input Parameters	Parameter	Type	Description
	ARPaymentBatchesDetailInfo()	Class	Array of ARPaymentBatchesInfo Classes
	PMWebCredentials	Class	

Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType = "A/R Payment Batches Details " StatusCode = "S" ReferenceId = AR Payment Batch Details SystemID

Considerations	- The PaymentAmount must be less than the Requisition open balance - The payment amount should not exceed that invoices Open Balance. - ID is unique by Project, by Program or between all records; that depends on the PMWeb record number settings configured. - Program and Project values are read-only for both ARPaymentBatchesInfo and ARPaymentBatchesDetailInfo.
-----------------------	---

Exception Messages	Type	Status Messages
	ResultInfo()	- ID is required. - Status is required. - Program Not in List. - Project Not in List. - Company Not in List. - Status Not In List. - Period Not in List. - Category Not in List. - Payment Method Not in List. - Type Not in List. - ID must be unique. - Cost Code Not in List. - Contract does not exist for this project or it is withdrawn or rejected. - Requisition does not exist for this project or it is not approved.

- Save cannot be completed because it would result in the overpayment of a linked invoice.

BudgetRequests Operations

This section lists all Budget Requests related operations that PMWeb API supports. Those operations are accessible from <http://<YourWebServiceDomain>/Costmanagement/BudgetRequests.asmx>.

Operations List

- initiateBudgetRequestInfo
- initiatePMWebCredentials
- initiateResultInfo
- initiateBudgetRequestDetailsInfo
- [GetBudgetRequestById](#)
- [GetBudgetRequests](#)
- [GetBudgetRequestsByIds](#)
- [GetBudgetRequestsList](#)
- [AddBudgetRequests](#)
- [UpdateBudgetRequestDescription](#)
- [AddBudgetRequestDetails](#)
- [UpdateBudgetRequests](#)
- [UpdateBudgetRequestDetails](#)
- [DeleteBudgetRequests](#)
- [DeleteBudgetRequestDetails](#)

Operations

DeleteBudgetRequests

Input Parameters	Parameter	Type	Description
	Ids()	Integer()	Array of Budget Request System Ids
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType = "Budget Request" StatusCode = "S" ReferenceId = Budget Request SystemID
Exception Messages	Type	Status Messages	
	ResultInfo()	- Record in workflow cannot be deleted.	

DeleteBudgetRequestDetails

Input Parameters	Parameter	Type	Description
	Ids()	Integer()	Array of Budget Request Detail System Ids
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType = " Budget RequestDetail" StatusCode = "S"

		ReferenceId = Budget Request Detail SystemID
--	--	---

Exception Messages

Type	Status Messages
ResultInfo()	- Record in workflow. Budget Request Detail cannot be deleted.

AddBudgetRequests

Input Parameters	Parameter	Type	Description
	BudgetRequestInfo()	Class	Array of BudgetRequestInfo Class
	PMWebCredentials	Class	

Output Parameters

Parameter	Type	Description
ResultInfo()	Class	ObjectType = "Budget Request" StatusCode = "S" ReferenceId = Budget Request ClientID ObjectType = "Budget Request Detail" StatusCode = "S" ReferenceId = Budget Request Detail ClientID

Considerations

- Record Number must be unique.
- IfUseUnits = True Then
 ProjectBudget = Quantity * UnitCost
 OwnerBudget = Quantity * UnitPrice
Else
 UnitCost = ProjectBudget / Quantity
 UnitPrice = OwnerBudget / Quantity

Exception Messages

Type	Status Messages
ResultInfo()	- Project is required. - Status is required. - Record Number is required. - PostAs is required. - Project Not in List. - Status Not In List. - Period Not in List. - Category Not in List. - Curve Not in List. - Type Not in List. - Phase Not in List. - WBS Not in List. - Project Location Not in List. - Cost Code Not in List. - Cost Code is required. - Company Name Not in List. - Task Not in List. - UOM Not in List. - PostAs Not in List. - Cost Type Not in List. - Record in workflow. Budget Request Detail cannot be added.



--	--

UpdateBudgetRequestDescription

Input Parameters	Parameter	Type	Description
	BudgetRequestId	Class	Budget Request PMWeb System ID
	Description	String	
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType = "Budget Request" StatusCode = "S" ReferenceId = Budget Request SystemID
Considerations	The description will be updated regardless of whether or not the record is in workflow.		
Exception Messages	Type	Status Messages	
	ResultInfo()	Server error if any occurred.	

UpdateBudgetRequests

Input Parameters	Parameter	Type	Description
	BudgetRequestInfo()	Class	Array of BudgetRequestInfo Class
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType = "Budget Request" StatusCode = "S" ReferenceId = Budget Request SystemID ObjectType = "Budget Request Detail" StatusCode = "S" ReferenceId = Budget Request Detail SystemID
Considerations	- Record Number must be unique. - IfUseUnits = True Then ProjectBudget = Quantity * UnitCost OwnerBudget = Quantity * UnitPrice - Else UnitCost = ProjectBudget / Quantity UnitPrice = OwnerBudget / Quantity - The project cannot be changed; therefore no value will be taken from ProjectNumber.		
Exception Messages	Type	Status Messages	
	ResultInfo()	- Status is required. - Number is required. - PostAs is required. - Status Not In List. - Period Not in List. - Category Not in List. - Curve Not in List. - Type Not in List. - Phase Not in List.	

	- WBS Not in List. - Project Location Not in List. - Cost Code Not in List. - Cost Code is required. - Company Name Not in List. - Task Not in List. - UOM Not in List. - PostAs Not in List. - Cost Type Not in List. - Record in workflow. Budget Request Detail cannot be edited.
--	---

AddBudgetRequestDetails

Input Parameters	Parameter	Type	Description
	BudgetRequestDetailInfo()	Class	Array of BudgetRequestDetailInfo Class
	PMWebCredentials	Class	

Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType = "Budget Request Detail" StatusCode = "S" ReferenceId = Budget Request ClientID

Considerations	- IfUseUnits = True Then - ProjectBudget = Quantity * UnitCost - OwnerBudget = Quantity * UnitPrice - Else - UnitCost = ProjectBudget / Quantity - UnitPrice = OwnerBudget / Quantity
----------------	--

Exception Messages	Type	Status Messages
	ResultInfo()	- Period Not in List. - Curve Not in List. - Phase Not in List. - WBS Not in List. - Project Location Not in List. - Cost Code Not in List. - Cost Code is required. - Company Name Not in List. - Task Not in List. - UOM Not in List. - Cost Type Not in List. - Record in workflow. Budget Request Detail cannot be added.

UpdateBudgetRequestDetails

Input Parameters	Parameter	Type	Description
	BudgetRequestDetailInfo()	Class	Array of BudgetRequestDetailInfo Class
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType = "Budget Request Detail" StatusCode = "S" ReferenceId = Budget Request SystemID
Considerations	- IfUseUnits = True Then ProjectBudget = Quantity * UnitCost OwnerBudget = Quantity * UnitPrice Else UnitCost = ProjectBudget / Quantity UnitPrice = OwnerBudget / Quantity		
Exception Messages	Type	Status Messages	
	ResultInfo()	- Period Not in List. - Curve Not in List. - Phase Not in List. - WBS Not in List. - Project Location Not in List. - Cost Code Not in List. - Cost Code is required. - Company Name Not in List. - Task Not in List. - UOM Not in List. - Cost Type Not in List. - Record in workflow. Budget Request Detail cannot be edited.	

GetBudgetRequestById

Input Parameters	Parameter	Type	Description
	BudgetRequestId	Integer()	Budget Request System ID
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	BudgetRequestInfo	Class	
Exception Messages	Type	Status Messages	
		Server exception message if any occurred	

GetBudgetRequestsByIds

Input Parameters	Parameter	Type	Description
	Ids()	Integer()	Array Budget Request System ID
	PMWebCredentials	Class	
	Parameter	Type	Description

Output Parameters	BudgetRequestInfo()	Class	Array of BudgetRequestInfo
Exception Messages	Type	Status Messages	
		Server exception message if any occurred	

GetBudgetRequestsList

Input Parameters	Parameter	Type	Description
	PMWebCredentials	Class	
Output Parameters	BudgetRequestInfo()	Class	Array of BudgetRequestInfo
Exception Messages	Type	Status Messages	
		Server exception message if any occurred	

GetBudgetRequests

Input Parameters	Parameter	Type	Description
	BudgetRequestNumber	String	
	Description	String	
	ProjectNumber	String	
	ProjectName	String	
	Type	String	
	Category	String	
	Reference	String	
	Status	String	
	PMWebCredentials	Class	
Output Parameters	BudgetRequestInfo()	Class	Array of BudgetRequestInfo
Exception Messages	Type	Status Messages	
		Server exception message if any occurred	

Commitments Operations

This section lists all Commitments related operations that PMWeb API supports. Those operations are accessible from <http://<YourWebServiceDomain>/Costmanagement/Commitments.asmx>.

Operations List

- initiateResultInfo
- initiatePMWebCredentials
- initiateCommitmentInfo
- InitiateCommitmentDetailInfo
- [GetCommitmentById](#)
- [GetCommitmentList](#)
- [GetCommitments](#)
- [GetCommitmentsByIds](#)
- [AddCommitmentDetails](#)

- [AddCommitments](#)
- [UpdateCommitmentDetails](#)
- [UpdateCommitments](#)
- [DeleteCommitmentDetails](#)
- [DeleteCommitments](#)

Operations

DeleteCommitments

Input Parameters	Parameter	Type	Description
	Ids()	Integer	Array of Commitment Ids
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType = "Commitment" StatusCode = "S" ReferenceId = Commitment SystemID
Exception Messages	Type	Status Messages	
	ResultInfo()	- Record in workflow cannot be deleted. - This Commitment is being used, therefore it cannot be deleted.	

DeleteCommitmentDetails

Input Parameters	Parameter	Type	Description
	Ids()	Integer	Array of Commitment Detail Ids
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType = "Commitment Detail" StatusCode = "S" ReferenceId = Commitment Detail SystemID
Exception Messages	Type	Status Messages	
	ResultInfo()	- Record in workflow. Commitment Detail cannot be deleted. - This Commitment line is being used, therefore it cannot be deleted.	

GetCommitments

Filters Commitments based on the values provided.

Input Parameters	Parameter	Type	Description
	CommitmentNumber	String	
	Description	String	
	ProjectNumber	String	
	ProjectName	String	
	CompanyName	String	
	Type	String	

	Reference	String	
	Category	String	
	Status	String	
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	CommitmentInfo()	Class	Array of CommitmentInfo Classes.
Exception Messages	Type	Status Messages	
		Server exception message if any occurred	

GetCommitmentsByIds

Input Parameters	Parameter	Type	Description
	Ids()	Integer	Array of Commitment Ids
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	CommitmentInfo()	Class	Array of CommitmentInfo Classes
Exception Messages	Type	Status Messages	
		Server exception message if any occurred	

GetCommitmentsList

Input Parameters	Parameter	Type	Description
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	CommitmentInfo()	Class	Array of CommitmentInfo Classes
Exception Messages	Type	Status Messages	
		Server exception message if any occurred	

GetCommitmentById

Input Parameters	Parameter	Type	Description
	ID	Integer	Commitment ID
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	CommitmentInfo	Class	CommitmentInfo Class.
Exception Messages	Type	Status Messages	
		Server exception message if any occurred	

AddCommitments

Input Parameters	Parameter	Type	Description
	CommitmentInfo()	Class	Array of CommitmentInfo Classes.
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType "Commitment" StatusCode = "S" ReferenceId = Commitment ClientID ObjectType = "Commitment Detail" StatusCode = "S" ReferenceId = Commitment Detail ClientID
Considerations	- If UseUnits = True Then ExtCost = .Quantity * UnitCost Else UnitCost = ExtCost / Quantity - The TotalCost in a Commitment Detail is automatically calculated. TotalAmount = ExtCost + Adjustment1 + Tax + Adjustment2 - Cost Code might be required if the "Cost Code required for commitment" Rule is set for the designated project. - Some Projects have "Do Not Exceed Anticipated Project Budget" on; therefore the Commitment total amount should not exceed the project Budget.		
Exception Messages	Type	Status Messages	
	ResultInfo()	- RecordNumber must be unique. - Project is required. - Type is required. - Status is required. - Project Not in List. - Category Not in List. - Billing Terms Not in List. - Type Not in List. - Period Not in List. - Cost Code is required. - Cost Code Not in List. - UOM Not in List. - Funding Source Not in List. - Cost Type Not in List. - Phase Not in List. - WBS Not in List. - Location Not in List. - Manufacturer Not in List. - AssignedTo Not in List. - Commitment ID must be unique. - This record cannot be saved because it violates the "Do Not Exceed Anticipated Project Budget" rule.	

AddCommitmentDetails

Input Parameters	Parameter	Type	Description
	CommitmentDetailInfo()	Class	Array of CommitmentDetailInfo Classes.
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType = "Commitment Detail" StatusCode = "S" ReferenceId = Commitment Detail ClientID
Considerations	- If UseUnits = True Then ExtCost = Quantity * UnitCost Else UnitCost = ExtCost / Quantity - The TotalCost in a Commitment Detail is automatically calculated. TotalAmount = ExtCost + Adjustment1 + Tax + Adjustment2 - Cost Code might be required if the "Cost Code required for commitment" Rule is set for the designated project. - Some Projects have "Do Not Exceed Anticipated Project Budget" on; therefore the Commitment total amount should not exceed the project Budget.		
Exception Messages	Type	Status Messages	
	ResultInfo()	- Cost Code is required. - Cost Code Not in List. - UOM Not in List. - Funding Source Not in List. - Cost Type Not in List. - Phase Not in List. - WBS Not in List. - Location Not in List. - Manufacturer Not in List. - AssignedTo Not in List. - Record in workflow. Commitment Detail cannot be added. - This record cannot be saved because it violates the "Do Not Exceed Anticipated Project Budget" rule.	

UpdateCommitments

Input Parameters	Parameter	Type	Description
	CommitmentInfo()	Class	Array of CommitmentInfo Classes.
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType "Commitment" StatusCode = "S" ReferenceId = Commitment SystemID ObjectType = "Commitment Detail" StatusCode = "S" ReferenceId = Commitment Detail SystemID
Considerations	- If UseUnits = True Then $ExtCost = Quantity * UnitCost$ Else $UnitCost = ExtCost / Quantity$ - The TotalCost in a Commitment Detail is automatically calculated. $TotalAmount = ExtCost + Adjustment1 + Tax + Adjustment2$ - Cost Code might be required if the "Cost Code required for commitment" Rule is set for the designated project. - Some Projects have "Do Not Exceed Anticipated Project Budget" rule; therefore the Commitment Total Amount shouldn't exceed the project Budget. - Some Projects have "Do Not Exceed Funding Authorizations" rule; therefore the Commitment Total Amount shouldn't exceed the project funding authorization. - Some Projects have "Do Not Exceed Funding" rule; therefore the Commitment Total Amount shouldn't exceed the project funding.		
Exception Messages	Type	Status Messages	
	ResultInfo()	- RecordNumber must be unique. - Type is required. - Status is required. - Category Not in List. - Billing Terms Not in List. - Type Not in List. - Period Not in List. - Cost Code is required. - Cost Code Not in List. - UOM Not in List. - Funding Source Not in List. - Cost Type Not in List. - Phase Not in List. - WBS Not in List. - Location Not in List. - Manufacturer Not in List. - AssignedTo Not in List. - Commitment ID must be unique. - This record cannot be saved because it violates the "Do Not Exceed Anticipated Project Budget" rule. - Record in workflow cannot be edited. - Record in workflow. Commitment Detail cannot be edited. - This record cannot be saved because it violates the "Do Not Exceed Funding" rule.	

	- This record cannot be saved because it violates the "Do Not Exceed Funding Authorizations" rule.
--	--

UpdateCommitmentDetails

Input Parameters	Parameter	Type	Description
	CommitmentDetailInfo()	Class	Array of CommitmentDetailInfo Classes.
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType = "Commitment Detail" StatusCode = "S" ReferenceId = Commitment Detail ClientID
Considerations	- If UseUnits = True Then ExtCost = Quantity * UnitCost Else UnitCost = ExtCost / Quantity - The TotalCost in a Commitment Detail is automatically calculated. TotalAmount = ExtCost + Adjustment1 + Tax + Adjustment2 - Cost Code might be required if the "Cost Code required for commitment" Rule is set for the designated project. - Some Projects have "Do Not Exceed Anticipated Project Budget" rule; therefore the Commitment Total Amount shouldn't exceed the project Budget. - Some Projects have "Do Not Exceed Funding Authorizations" rule; therefore the Commitment Total Amount shouldn't exceed the project funding authorization. - Some Projects have "Do Not Exceed Funding" rule; therefore the Commitment Total Amount shouldn't exceed the project funding.		
Exception Messages	Type	Status Messages	
	ResultInfo()	- Cost Code is required. - Cost Code Not in List. - UOM Not in List. - Funding Source Not in List. - Cost Type Not in List. - Phase Not in List. - WBS Not in List. - Location Not in List. - Manufacturer Not in List. - AssignedTo Not in List. - Record in workflow.Commitment Detail cannot be edited. - This record cannot be saved because it violates the "Do Not Exceed Anticipated Project Budget" rule. - This record cannot be saved because it violates the "Do Not Exceed Funding" rule. - This record cannot be saved because it violates the "Do Not Exceed Funding Authorizations" rule.	

Commitment CO Operations

This section lists all Commitment CO related operations that PMWeb API supports. Those operations are accessible from <http://<YourWebServiceDomain>/Costmanagement/CommitmentCO.asmx>.

Operations List

- initiateResultInfo
- initiatePMWebCredentials
- initiateCommitmentCOInfo
- InitiateCommitmentCODetailInfo
- [GetCommitmentCOById](#)
- [GetCommitmentCOList](#)
- [GetCommitmentCOs](#)
- [GetCommitmentCOsByIds](#)
- [AddCommitmentCODetails](#)
- [AddCommitmentCOs](#)
- [UpdateCommitmentCODetails](#)
- [UpdateCommitmentCOs](#)
- [DeleteCommitmentCODetails](#)
- [DeleteCommitmentCOs](#)

Operations

AddCommitmentCOs

Input Parameters	Parameter	Type	Description
	CommitmentCOInfo()	Class	Array of CommitmentCOInfo Classes.
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType "Commitment CO" StatusCode = "S" ReferenceId = Commitment CO ClientID ObjectType = "Commitment Detail" StatusCode = "S" ReferenceId = Commitment CO Detail ClientID
Considerations	- IfUseUnits = True Then AmountRequested = Quantity * UnitCostRequested AmountApproved = Quantity * UnitCostApproved Else UnitCostRequested = AmountRequested / Quantity UnitCostApproved = AmountApproved / Quantity - Cost Code might be required if the "Cost Code required for commitment CO" Rule is set for the designated project. - Some Projects have "Do Not Exceed Anticipated Project Budget" on; therefore the Commitment CO total amount should not exceed the project Budget.		
Exception Messages	Type	Status Messages	
	ResultInfo()	- Record Number is required. - Project is required. - Commitment ID is required. - Status is required.	

	- PostAs is required - Project Not in List. - Category Not in List. - Period Not in List. - Cost Code is required. - Cost Code Not in List. - UOM Not in List. - Cost Type Not in List. - Phase Not in List. - WBS Not in List. - Location Not in List. - AssignedTo Not in List. - RequestedBy Not in List. - Commitment Line Not in list. - Record Number already used. - Commitment must be approved. - Commitment does not exist for this project. - This record cannot be saved because it violates the "Do Not Exceed Anticipated Project Budget" rule.
--	--

AddCommitmentCODetails

Input Parameters	Parameter	Type	Description
	CommitmentCODetailInfo()	Class	Array of CommitmentCODetailInfo Classes.
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType = "Commitment Detail" StatusCode = "S" ReferenceId = Commitment CO Detail ClientID
Considerations	- IfUseUnits = True Then AmountRequested = Quantity * UnitCostRequested AmountApproved = Quantity * UnitCostApproved Else UnitCostRequested = AmountRequested / Quantity UnitCostApproved = AmountApproved / Quantity - Cost Code might be required if the "Cost Code required for commitment" Rule is set for the designated project. - Some Projects have "Do Not Exceed Anticipated Project Budget" on; therefore the Commitment CO total amount should not exceed the project Budget.		
Exception Messages	Type	Status Messages	
	ResultInfo()	- Period Not in List. - Cost Code is required. - Cost Code Not in List. - UOM Not in List. - Cost Type Not in List. - Phase Not in List. - WBS Not in List. - Location Not in List. - AssignedTo Not in List.	

	- RequestedBy Not in List. - Commitment Line Not in list. - Record Number already used. - This record cannot be saved because it violates the "Do Not Exceed Anticipated Project Budget" rule. - Record in workflow. Commitment CO Detail cannot be added.
--	--

UpdateCommitmentCOs

Input Parameters	Parameter	Type	Description
	CommitmentCOInfo()	Class	Array of CommitmentCOInfo Classes.
	PMWebCredentials	Class	

Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType "Commitment CO" StatusCode = "S" ReferenceId = Commitment CO SystemID ObjectType = "Commitment Detail" StatusCode = "S" ReferenceId = Commitment CO Detail SystemID

Considerations	- IfUseUnits = True Then AmountRequested = Quantity * UnitCostRequested AmountApproved = Quantity * UnitCostApproved Else UnitCostRequested = AmountRequested / Quantity UnitCostApproved = AmountApproved / Quantity - Cost Code might be required if the "Cost Code required for commitment" Rule is set for the designated project. - Some Projects have "Do Not Exceed Anticipated Project Budget" rule; therefore the Commitment CO Total Amount shouldn't exceed the project Budget. - Some Projects have "Do Not Exceed Funding Authorizations" rule; therefore the Commitment CO Total Amount shouldn't exceed the project funding authorization. - Some Projects have "Do Not Exceed Funding" rule; therefore the Commitment CO Total Amount shouldn't exceed the project funding.
----------------	--

Exception Messages	Type	Status Messages
	ResultInfo()	- Record Number is required. - Project is required. - Commitment ID is required. - Status is required. - PostAs is required - Project Not in List. - Category Not in List. - Period Not in List. - Cost Code is required. - Cost Code Not in List. - UOM Not in List. - Cost Type Not in List.

	- Phase Not in List. - WBS Not in List. - Location Not in List. - AssignedTo Not in List. - RequestedBy Not in List. - Commitment Line Not in list. - Record Number already used. - Commitment must be approved. - Commitment does not exist for this project. - This record cannot be saved because it violates the "Do Not Exceed Anticipated Project Budget" rule. - This record cannot be saved because it violates the "Do Not Exceed Funding" rule. - This record cannot be saved because it violates the "Do Not Exceed Funding Authorizations" rule.
--	---

UpdateCommitmentCODetails

Input Parameters	Parameter	Type	Description
	CommitmentCODetailInfo()	Class	Array of CommitmentCODetailInfo Classes.
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType = "Commitment Detail" StatusCode = "S" ReferenceId = Commitment CO Detail ClientID
Considerations	- IfUseUnits = True Then AmountRequested = Quantity * UnitCostRequested AmountApproved = Quantity * UnitCostApproved Else UnitCostRequested = AmountRequested / Quantity UnitCostApproved = AmountApproved / Quantity - Cost Code might be required if the "Cost Code required for commitment" Rule is set for the designated project. - Some Projects have "Do Not Exceed Anticipated Project Budget" rule; therefore the Commitment CO Total Amount shouldn't exceed the project Budget. - Some Projects have "Do Not Exceed Funding Authorizations" rule; therefore the Commitment CO Total Amount shouldn't exceed the project funding authorization. - Some Projects have "Do Not Exceed Funding" rule; therefore the Commitment CO Total Amount shouldn't exceed the project funding.		
Exception Messages	Type	Status Messages	
	ResultInfo()	- Period Not in List. - Cost Code is required. - Cost Code Not in List. - UOM Not in List. - Cost Type Not in List. - Phase Not in List. - WBS Not in List. - Location Not in List. - AssignedTo Not in List. - RequestedBy Not in List. - Commitment Line Not in list.	

	- Record Number already used. - This record cannot be saved because it violates the "Do Not Exceed Anticipated Project Budget" rule. - This record cannot be saved because it violates the "Do Not Exceed Funding" rule. - This record cannot be saved because it violates the "Do Not Exceed Funding Authorizations" rule. - Record in workflow. Commitment CO Detail cannot be edited.
--	--

GetCommitmentCOs

Filters Commitment COs based on the values provided.

Input Parameters	Parameter	Type	Description
	RecordNumber	String	
	Description	String	
	ProjectNumber	String	
	ProjectName	String	
	CompanyName	String	
	Reference	String	
	Category	String	
	Status	String	
	Commitment	String	
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	CommitmentCOInfo()	Class	Array of CommitmentCOInfo Classes.
Exception Messages	Type	Status Messages	
		Server exception message if any occurred	

GetCommitmentCOsByIds

Input Parameters	Parameter	Type	Description
	Ids()	Integer	Array of Commitment CO Ids
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	CommitmentCOInfo()	Class	Array of CommitmentCOInfo Classes
Exception Messages	Type	Status Messages	
		Server exception message if any occurred	

GetCommitmentCOList

Input Parameters	Parameter	Type	Description
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	CommitmentCOInfo()	Class	Array of CommitmentCOInfo Classes
Exception Messages	Type	Status Messages	
		Server exception message if any occurred	

GetCommitmentCOById

Input Parameters	Parameter	Type	Description
	ID	Integer	Commitment CO ID
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	CommitmentCOInfo()	Class	Array of CommitmentCOInfo Classes
Exception Messages	Type	Status Messages	
		Server exception message if any occurred	

DeleteCommitmentCOs

Input Parameters	Parameter	Type	Description
	Ids()	Integer	Array of Commitment CO Ids
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType = "Commitment CO" StatusCode = "S" ReferenceId = Commitment CO SystemID
Exception Messages	Type	Status Messages	
	ResultInfo()	- Record in workflow cannot be deleted. - You cannot delete this commitment change order. It is being used!	

DeleteCommitmentCODetails

Input Parameters	Parameter	Type	Description
	Ids()	Integer	Array of Commitment CO Detail Ids
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType = "Commitment CO Detail" StatusCode = "S" ReferenceId = Commitment CO Detail SystemID
Exception Messages	Type	Status Messages	
	ResultInfo()	- Record in workflow. Commitment CO Detail cannot be deleted. - This Commitment CO line is being used, therefore it cannot be deleted.	

Progress Invoice Operations

This section lists all Progress Invoice related operations that PMWeb API supports. Those operations are accessible from <http://<YourWebServiceDomain>/Costmanagement/ProgressInvoices.aspx>.

Operations List

- [initiateResultInfo](#)
- [initiatePMWebCredentials](#)
- [initiateProgressInvoiceInfo](#)
- [initiateProgressInvoiceDetailInfo](#)
- [AddProgressInvoice](#)
- [UpdateProgressInvoices](#)
- [UpdateProgressInvoiceDetails](#)
- [DeleteProgressInvoices](#)
- [DeleteProgressInvoiceDetails](#)
- [GetProgressInvoiceById](#)
- [GetProgressInvoicesList](#)
- [GetProgressInvoicesByIds](#)
- [GetProgressInvoices](#)
- [LinkChangeOrders](#)
- [CreateNextProgressInvoice](#)

Operations

AddProgressInvoice

Input Parameters	Parameter	Type	Description
	CommitmentId	Integer	
	RecordNumber	String	
	Description	String	
	CostPeriod	String	
	InvoiceDate	Date	
	DueDate	Date	
	Comment	String	
	InvoiceType	String	
	Contact	String	
	PaidInFull	Boolean	
	Signed	Boolean	
	Reference	String	
	Category	String	
	BillingTerms	String	
	RevisionNumber	Integer	
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType = "Progress Invoice" StatusCode = "S" ReferenceId = Progress InvoiceClientID
Considerations	- The Commitment must exist. - The Commitment must be approved. - The Commitment is only used for one progress invoice. - All the Commitment lines will be added to the progress invoice. - ScheduledValue is automatically calculated from commitment line. ScheduledValue = ExtCost + Adjustment1 + Tax + Adjustment2		

- _PercentageServicesRetain and _PercentageMaterialsRetain are taken from the selected commitment.

Exception Messages

Type	Status Messages
ResultInfo()	- Commitment does not exist. - Commitment already has progress invoice. - Commitment must be approved before creating progress invoice. - Record # already Exist. - Progress invoice already exists. - Period Not in List. - Billing Terms Not in List. - Category Not in List. - InvoiceType Not in List. - Requisition Code Not in List. - Task Not in List. - Assigned To Not in List. - Cost Type Not in List. - Phase Not in List. - Location Not in List. - WBS Not in List.

UpdateProgressInvoices

Input Parameters	Parameter	Type	Description
	ProgressInvoiceInfo()	Class	Array of ProgressInvoiceInfo
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType = "Progress Invoice" StatusCode = "S" ReferenceId = Progress InvoiceSystemID ObjectType = "Progress Invoice Detail" StatusCode = "S" ReferenceId = Progress Invoice DetailSystemID
Considerations	- <code>_PercentageServicesRetain</code> and <code>_PercentageMaterialsRetain</code> are recalculated. - If <code>.UseUnits = True</code> Then $\text{CurrentInvoice} = \text{UnitCost} * \text{CurrentQuantity}$ Else $\text{CurrentQuantity} = \text{CurrentInvoice} / \text{UnitCost}$ - $\text{_TotalThisInvoice} = \text{CurrentInvoice} + \text{TotalStoredMaterial} - \text{_PriorStoredMaterial}$. - $\text{_TotalInvoiced} = \text{_TotalThisInvoice} + \text{_PriorInvoices} + \text{_PriorStoredMaterial}$ - $\text{_BalanceToInvoice} = \text{_ScheduledValue} - \text{_TotalInvoiced}$. - $\text{_TotalQuantity} = \text{CurrentQuantity} + \text{_PriorQuantity}$ - $\text{_PerctComplete} = ((\text{_PriorInvoices} + \text{CurrentInvoice} + \text{TotalStoredMaterial}) / \text{_ScheduledValue}) * 100$ - $\text{_PctServicesRetain} = (\text{TotalServicesRetainAmount} / (\text{_PriorInvoices} + \text{CurrentInvoice})) * 100$ - $\text{_PctMaterialsRetain} = (\text{TotalMaterialsRetainAmount} / \text{TotalStoredMaterial}) * 100$ - $\text{_TotalRetained} = \text{TotalServicesRetainAmount} + \text{TotalMaterialsRetainAmount}$. - The Progress invoice calculations should respect the overbilling settings configured in the commitment.		
Exception Messages	Type	Status Messages	
	ResultInfo()	- Record Number is required. - Record in workflow cannot be edited. - Period Not in List. - Billing Terms Not in List. - Category Not in List. - InvoiceType Not in List. - Status is required. - Status Not In List - Progress Invoice ID must be unique. - Requisition Code Not in List. - Task Not in List. - Assigned To Not in List. - Cost Type Not in List. - Phase Not in List. - Location Not in List. - WBS Not in List. - This record cannot be updated; because it is either voided or not the last invoice. - Record in workflow. Progress Invoice Detail cannot be edited. - The record cannot be saved. Saving would violate overbilling settings for this commitment.	

UpdateProgressInvoiceDetails

Input Parameters	Parameter	Type	Description
	ProgressInvoiceDetailInfo()	Class	Array of ProgressInvoiceDetailInfo
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType = "Progress Invoice Detail" StatusCode = "S" ReferenceId = Progress InvoiceDetail SystemID
Considerations	- _PercentageServicesRetain and _PercentageMaterialsRetain are recalculated. - If .UseUnits = True Then CurrentInvoice = UnitCost * CurrentQuantity Else CurrentQuantity = CurrentInvoice / UnitCost - _TotalThisInvoice = CurrentInvoice + TotalStoredMaterial - _PriorStoredMaterial. - _TotalInvoiced = _TotalThisInvoice + _PriorInvoices + _PriorStoredMaterial - _BalanceToInvoice = _ScheduledValue - _TotalInvoiced. - _TotalQuantity = CurrentQuantity + _PriorQuantity - _PerctComplete = ((_PriorInvoices + CurrentInvoice + TotalStoredMaterial) / _ScheduledValue) * 100 - _PctServicesRetain = (TotalServicesRetainAmount / (_PriorInvoices + CurrentInvoice)) * 100 - _PctMaterialsRetain = (TotalMaterialsRetainAmount / TotalStoredMaterial) * 100 - _TotalRetained = TotalServicesRetainAmount + TotalMaterialsRetainAmount. - The Progress invoice calculations should respect the overbilling settings configured in the commitment.		
Exception Messages	Type	Status Messages	
	ResultInfo()	- Requisition Code Not in List. - Task Not in List. - Assigned To Not in List. - Cost Type Not in List. - Phase Not in List. - Location Not in List. - WBS Not in List. - This record cannot be updated; because it is either voided or not the last invoice. - Record in workflow. Progress Invoice Detail cannot be edited. - The record cannot be saved. Saving would violate overbilling settings for this commitment.	

LinkChangeOrders

Input Parameters	Parameter	Type	Description
	ProgressInvoiceId	Integer	
	CommitmentCODetailIds()	Integer	Array of Integer
	ChangeEventDetailIds()	Integer	Array of Integers
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType = "Progress Invoice Detail" StatusCode = "S"

		ErrorMessage = "Valid Change orders were added successfully" ReferenceId = Progress InvoiceDetail SystemID
--	--	--

Considerations

- Change Orders Lists includes Change Event Details and Commitment CO Details of the progress invoice's related Commitment.
- Change Orders doesn't include rejected or withdrawn records.
- Valid Ids will be added.

Exception Messages

Type	Status Messages
ResultInfo()	- Change Event Detail Id Not in List. - Commitment Change Order Detail Id Not in List. - This record cannot be updated; it is either voided or not the last invoice. - Record in workflow.Change Order cannot be linked. - Record does not exist.

CreateNextProgressInvoice

Input Parameters	Parameter	Type	Description
	ProgressInvoiceId	Integer	Progress Invoice System ID
	CommitmentId	Integer	Commitment System ID related to the Progress invoice
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType = "Progress Invoice" StatusCode = "S" ReferenceId = Progress InvoiceSystemID
Considerations			
Exception Messages	Type	Status Messages	
	ResultInfo()	- Progress Invoice is either voided, rejected or withdrawn. - Progress Invoice is not the last invoice	

GetProgressInvoices

Filters Progress Invoices based on the values provided.

Input Parameters	Parameter	Type	Description
	RecordNumber	String	
	Description	String	
	ProjectNumber	String	
	ProjectName	String	
	CompanyName	String	
	Period	String	
	Reference	String	
	Category	String	
	Status	string	
	Commitment	String	
	InvoiceType	String	
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ProgressInvoiceInfo()	Class	Array of ProgressInvoiceInfo Classes.
Exception Messages	Type	Status Messages	
		Server exception message if any occurred	

GetProgressInvoicesByIds

Input Parameters	Parameter	Type	Description
	Ids()	Integer	Array of Progress Invoice System Ids
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ProgressInvoiceInfo()	Class	Array of ProgressInvoiceInfo Classes
Exception Messages	Type	Status Messages	
		Server exception message if any occurred	

GetProgressInvoicesList

Input Parameters	Parameter	Type	Description
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ProgressInvoiceInfo()	Class	Array of ProgressInvoiceInfo Classes.
Exception Messages	Type	Status Messages	
		Server exception message if any occurred	

GetProgressInvoiceById

Input Parameters	Parameter	Type	Description
	ID	Integer	Progress Invoice System ID
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ProgressInvoiceInfo	Class	
Exception Messages	Type	Status Messages	
		Server exception message if any occurred	

DeleteProgressInvoices

Input Parameters	Parameter	Type	Description
	Ids()	Integer	Array of Progress Invoice System Ids
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType = "Progress Invoice" StatusCode = "S" ReferenceId = Progress Invoice SystemID
Exception Messages	Type	Status Messages	
	ResultInfo()	- Record in workflow cannot be deleted. - This Invoice cannot be deleted; it must be the last invoice.	

DeleteProgressInvoiceDetails

Input Parameters	Parameter	Type	Description
	Ids()	Integer	Array of Progress Invoice Detail Ids
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType = "Progress Invoice Detail" StatusCode = "S" ReferenceId = Progress Invoice Detail SystemID
Exception Messages	Type	Status Messages	
	ResultInfo()	- Record in workflow. Progress Invoice Detail cannot be deleted. - This invoice line cannot be deleted.	

Cost Code Operations

This section lists all Cost Code related operations that PMWeb API supports. Those operations are accessible from <http://<YourWebServiceDomain>/Costmanagement/CostCode.asmx>.

Operations List

- [AddCostCode](#)
- [AddCostCodes](#)
- [DeleteCostcodeDetails](#)
- [DeleteCostcodelevel](#)
- [DeleteCostcodelevelDetails](#)
- [GetCostCodeByProjectNumber](#)
- [UpdateCostcode](#)
- [UpdateCostcodes](#)
- initiateCostCodeInfo
- initiateCostCodeLevelDetailInfo
- initiateCostCodeLevelInfo
- initiatePMWebCredentials

Operations

GetCostCodeByProjectNumber

Input Parameters	Parameter	Type	Description
	ProjectNumber	String	
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	CostCodeInfo	Class	
Considerations			
Exception Messages	Type	Status Messages	
		Server exception message if any occurred	

AddCostCode/AddCostCodes

Input Parameters	Parameter	Type	Description
	CostCodeInfo {OR CostCodeInfo() If AddCostCodes }	Class	
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType = "Cost Code Level" StatusCode = "S" ReferenceId = Cost Code Level ClientID ObjectType = "Cost Code Level Detail" StatusCode = "S" ReferenceId = Cost Code Level Detail ClientID ObjectType = "Cost Code Detail " StatusCode = "S" ReferenceId = Cost Code Detail ClientID"
Considerations	- If the Project has already Cost Codes, adding a new Cost Code Level will be declined. - Description in Cost Code Level must be unique. - The Cost Code Detail must respect the number of Cost Code levels. - The CostCode in Cost Code Detail must be unique.		
Exception Messages	Type	Status Messages	
	ResultInfo()	Cost Code Level - Description is required. - Project is required. - Project Not in List. - Project has cost codes - CostCode Level already exists. Cost Code Level Detail - Project is required. - Project Not in List. - ID Must be Unique - Description is required. - Account Code Not in List. Cost Code Detail - Cost Code is required. - Project is required. - Project Not in List. - Account Code Not in List. - Invalid Cost Code - Cost Code must be unique.	

UpdateCostCode/UpdateCostCodes

Input Parameters	Parameter	Type	Description
	CostCodeInfo {OR CostCodeInfo() If UpdateCostCodes }	Class	
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType = "Cost Code Level" StatusCode = "S" ReferenceId = Cost Code Level SystemID ObjectType = "Cost Code Level Detail" StatusCode = "S" ReferenceId = Cost Code Level Detail SystemID ObjectType = "Cost Code Detail " StatusCode = "S" ReferenceId = Cost Code Detail SystemID"
Considerations	- Description in Cost Code Level must be unique. - The Cost Code Detail must respect the number of Cost Code levels. - The Cost Code must be unique. - The project cannot be changed; therefore no value will be taken from Project Number.		
Exception Messages	Type	Status Messages	
	ResultInfo()	Cost Code Level - Description is required. - Description must be unique. - Project has cost codes - CostCode Level already exists. Cost Code Level Detail - ID Must be Unique - Description is required. - Account Code Not in List. Cost Code Detail - Cost Code is required. - Account Code Not in List. - Invalid Cost Code - Cost Code must be unique.	

UpdateCostCodeDetails

Input Parameters	Parameter	Type	Description
	CostCodeDetailInfo	Class	
	ProjectNumber	String	
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType = "Cost Code Detail " StatusCode = "S" ReferenceId = Cost Code Detail SystemID"
Considerations	- The Cost Code Detail must respect the number of Cost Code levels. - The Cost Code must be unique.		
Exception Messages	Type	Status Messages	
	ResultInfo()	- Cost Code is required. - Project is required. - Project Not in List. - Account Code Not in List. - Invalid Cost Code - Cost Code must be unique.	

DeleteCostCodeLevel

Input Parameters	Parameter	Type	Description
	Ids()	Integer	Array of CostCodeLevel System Ids
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType = Cost Code Level" StatusCode = "S" ReferenceId = Cost Code Level SystemID"
Considerations	- If Cost Code Details exist, deleting the Cost Code Level will be declined.		
Exception Messages	Type	Status Messages	
	ResultInfo()	- Cost code Is Used	

DeleteCostCodeLevelDetails

Input Parameters	Parameter	Type	Description
	Ids()	Integer	Array of Cost Code Level Detail System Ids
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType = Cost Code Level Detail" StatusCode = "S" ReferenceId = Cost Code Level Detail SystemID"
Considerations	- If the Cost Code Level Detail is being used in Cost Code Details, The operation will be declined.		
	Type	Status Messages	

Exception Messages

ResultInfo()	- Cost code Is Used
------------------------------	---------------------

DeleteCostCodeDetails

Input Parameters	Parameter	Type	Description
	Ids()	Integer	Array of Cost Code Detail System Ids
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType = Cost Code Detail" StatusCode = "S" ReferenceId = Cost Code Detail SystemID
Considerations	- If the Project Cost Codes are being used, deleting the Cost Code Detail will be declined.		
Exception Messages	Type	Status Messages	
	ResultInfo()	- Cost code Is Used	

Cost Ledger Operations

This section lists all Cost ledger related operations that PMWeb API supports. Those operations are accessible from <http://<YourWebServiceDomain>/Costmanagement/Costledger.aspx>.

Operations List

- initiateCostLedgerInfo
- initiatePMWebCredentials
- initiateResultInfo
- [GetCostLedgerDetails](#)
- [AddCostledgers](#)
- [UpdateCostLedgers](#)
- [DeleteCostLedgerDetails](#)

Operations**GetCostLedgerDetails**

Filters Cost Ledger details based on the values provided.

Input Parameters	Parameter	Type	Description
	ProjectNumber	String	
	CostCode	String	
	WorksheetColumn	String	
	Status	String	
	DocumentType	String	
	Period	String	
	FromDate	Date	
	ToDate	Date	
	Document	String	
	Notes	String	"EqualTo" Operator is applied to this parameter.
	PMWebCredentials	Class	
	Parameter	Type	Description

Output Parameters	CostLedgerDetail()	Class	Array of CostLedgerDetail Class
--------------------------	------------------------------------	-------	---------------------------------

Considerations	-If ProjectNumber is empty, by default the operation considers all projects.
-----------------------	--

Exception Messages	Type	Status Messages
		Server exception message if any occurred

AddCostledgers

Input Parameters	Parameter	Type	Description
	CostLedgerDetail()	Class	Array of CostLedgerDetail Class.
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType = Cost LedgerDetail" StatusCode = "S" ReferenceId = Cost Ledger Detail ClientID
Considerations	- _TotalAmount is automatically calculated : _TotalAmount = Quantity * UnitCost		
Exception Messages	Type	Status Messages	
		- Project # is required. - Project Not In List. - Cost Code is required. - Worksheet Column is required. - Cost Code Not in List. - UOM Not in List. - Worksheet Column Not in List. - Status Not in List. - Period Not in List.	

UpdateCostledgers

Input Parameters	Parameter	Type	Description
	CostLedgerDetail()	Class	Array of CostLedgerDetail Class.
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType = Cost LedgerDetail" StatusCode = "S" ReferenceId = Cost Ledger Detail SystemID
Considerations	- If the Cost Ledger line is linked to a record, it cannot be updated. - _TotalAmount is automatically calculated : _TotalAmount = Quantity * UnitCost		
	Type	Status Messages	

Exception Messages

	- Project # is required. - Project Not In List. - Cost Code is required. - Worksheet Column is required. - Cost Code Not in List. - UOM Not in List. - Worksheet Column Not in List. - Status Not in List. - Period Not in List.
--	--

DeleteCostLedgerDetails

Input Parameters	Parameter	Type	Description
	Ids()	Integer	Array of Cost Ledger Detail IDs
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType = Cost LedgerDetail" StatusCode = "S" ReferenceId = Cost LedgerDetail SystemID
Considerations	-If a Cost Ledger Detail is linked to a record, deleting it will be declined.		
Exception Messages	Type	Status Messages	
	ResultInfo()	- Cannot delete ledger lines linked to a record.	

Journal Entries Operations

This section lists all Journal Entries related operations that PMWeb API supports. Those operations are accessible from <http://<YourWebServiceDomain>/Costmanagement/Journalentries.asmx>.

Operations List

- [initiateJournalEntryDetailInfo](#)
- [initiateJournalEntryInfo](#)
- [initiatePMWebCredentials](#)
- [initiateResultInfo](#)
- [GetJournalEntries](#)
- [GetJournalEntriesByIds](#)
- [GetJournalEntriesList](#)
- [GetJournalEntryById](#)
- [AddJournalEntries](#)
- [AddJournalEntryDetails](#)
- [UpdateJournalEntries](#)
- [UpdateJournalEntryDetails](#)
- [DeleteJournalEntries](#)
- [DeleteJournalEntryDetails](#)

Operations

AddJournalEntries

Input Parameters	Parameter	Type	Description
	JournalEntryInfo()	Class	Array of JournalEntryInfo Classes.
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType "Journal Entry" StatusCode = "S" ReferenceId = Journal Entry ClientID ObjectType = "Journal Entry Detail" StatusCode = "S" ReferenceId = Journal Entry Detail ClientID
Considerations	- If UseUnits = True Then TotalAmount = .Quantity * .UnitCost - Else .UnitCost = TotalAmount / .Quantity		
Exception Messages	Type	Status Messages	
	ResultInfo()	- RecordNumber must be unique. - Project is required. - Status is required. - Project Not in List. - Category Not in List. - Type Not in List. - Cost Code is required. - Cost Code Not in List.	

- UOM Not in List.
- Requisition Code Not in List.
- Worksheet Column is required.

UpdateJournalEntries

Input Parameters	Parameter	Type	Description
	JournalEntryInfo()	Class	Array of JournalEntryInfo Classes.
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType "Journal Entry" StatusCode = "S" ReferenceId = Journal Entry ClientID ObjectType = "Journal Entry Detail" StatusCode = "S" ReferenceId = Journal Entry Detail ClientID
Considerations	- If UseUnits = True Then TotalAmount = .Quantity * .UnitCost Else .UnitCost = TotalAmount / .Quantity		
Exception Messages	Type	Status Messages	
	ResultInfo()	- RecordNumber must be unique. - Project is required. - Status is required. - Project Not in List. - Category Not in List. - Type Not in List. - Cost Code is required. - Cost Code Not in List. - UOM Not in List. - Requisition Code Not in List. - Worksheet Column is required.	

UpdateJournalEntryDetails

Input Parameters	Parameter	Type	Description
	JournalEntryDetailInfo()	Class	Array of JournalEntryDetailsInfo Classes.
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType = "Journal Entry Detail" StatusCode = "S" ReferenceId = Journal Entry Detail ClientID.
Considerations	- If UseUnits = True Then TotalAmount = .Quantity * .UnitCost Else .UnitCost = TotalAmount / .Quantity		

- Journal Entry System ID must be provided.

Exception Messages	Type	Status Messages
	ResultInfo()	- Category Not in List. - Type Not in List. - Cost Code is required. - Cost Code Not in List. - UOM Not in List. - Requisition Code Not in List. - Worksheet Column is required.

AddJournalEntryDetails

Input Parameters	Parameter	Type	Description
	JournalEntryDetailInfo()	Class	Array of JournalEntryDetailsInfo Classes.
	PMWebCredentials	Class	

Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType "Journal Entry" StatusCode = "S" ReferenceId = Journal Entry SystemID ObjectType = "Journal Entry Detail" StatusCode = "S" ReferenceId = Journal Entry Detail SystemID

Considerations	- If UseUnits = True Then TotalAmount = .Quantity * .UnitCost Else .UnitCost = TotalAmount / .Quantity
	- Journal Entry System ID must be provided.

Exception Messages	Type	Status Messages
	ResultInfo()	- Category Not in List. - Type Not in List. - Cost Code is required. - Cost Code Not in List. - UOM Not in List. - Requisition Code Not in List. - Worksheet Column is required.

DeleteJournalEntries

Input Parameters	Parameter	Type	Description
	Ids()	Integer	Array of Journal Entry Ids
	PMWebCredentials	Class	

Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType = "Journal Entry" StatusCode = "S" ReferenceId = Journal Entry SystemID

Exception Messages	Type	Status Messages
	ResultInfo()	Server exception message if any occurred

DeleteJournalEntryDetails

Input Parameters	Parameter	Type	Description
	Ids()	Integer	Array of Journal Entry Detail Ids
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType = "Journal Entry Detail" StatusCode = "S" ReferenceId = Journal Entry Detail SystemID
Exception Messages	Type	Status Messages	
	ResultInfo()	Server exception message if any occurred	

GetJournalEntries

Filters Journal Entries based on the values provided.

Input Parameters	Parameter	Type	Description
	RecordNumber	String	
	Description	String	
	ProjectName	String	
	Reference	String	
	Category	String	
	Type	String	
	Status	String	
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	JournalEntryInfo()	Class	Array of JournalEntryInfo Classes.
Exception Messages	Type	Status Messages	
		Server exception message if any occurred	

GetJournalEntriesByIds

Input Parameters	Parameter	Type	Description
	Ids()	Integer	Array of Journal Entry Ids
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	JournalEntryInfo()	Class	Array of JournalEntryInfo Classes.
Type		Status Messages	

Exception Messages

	Server exception message if any occurred
--	--

GetJournalEntriesList

Input Parameters	Parameter	Type	Description
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	JournalEntryInfo()	Class	Array of JournalEntryInfo Classes.
Exception Messages	Type	Status Messages	
		Server exception message if any occurred	

GetJournalEntryById

Input Parameters	Parameter	Type	Description
	ID	Integer	Journal Entry ID
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	JournalEntryInfo	Class	JournalEntryInfo Class.
Exception Messages	Type	Status Messages	
		Server exception message if any occurred	

MiscellaneousInvoices Operations

This section lists Miscellaneous Invoices related operations that PMWeb API supports. Those operations are accessible from <http://<YourWebServiceDomain>/Costmanagement/MiscellaneousInvoices.asmx>.

Operations List

- [AddMiscInvoiceDetails](#)
- [AddMiscInvoices](#)
- [DeleteMiscInvoiceDetails](#)
- [DeleteMiscInvoices](#)
- [GetMiscInvoiceById](#)
- [GetMiscInvoices](#)
- [GetMiscInvoicesByIds](#)
- [GetMiscInvoicesList](#)
- [UpdateMiscInvoiceDetails](#)
- [UpdateMiscInvoices](#)
- initiateMiscInvoiceDetailInfo

- initiateMiscInvoiceInfo
- initiatePMWebCredentials
- initiateResultInfo

Operations

AddMiscInvoices

Input Parameters	Parameter	Type	Description
	MiscInvoiceInfo()	Class	Array of MiscInvoiceInfo Classes.
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType "Miscellaneous Invoice" StatusCode = "S" ReferenceId = Miscellaneous Invoice ClientID ObjectType = "Miscellaneous Invoice Detail" StatusCode = "S" ReferenceId = Miscellaneous Invoice Detail ClientID
Considerations	- The TotalCost in a Miscellaneous Invoice Detail is automatically calculated. TotalAmount = Quantity * Cost. - Some Projects have "Do Not Exceed Anticipated Project Budget" on; therefore the invoice total should not exceed the project Budget.		
Exception Messages	Type	Status Messages	
	ResultInfo()	- RecordNumber must be unique. - Project is required. - Status is required. - Project Not in List. - Category Not in List. - Billing Terms Not in List. - Period Not in List. - Cost Code is required. - Cost Code Not in List. - UOM Not in List. - Funding Source Not in List. - Cost Type Not in List. - Phase Not in List.. - WBS Not in List. - Location Not in List. - Requisition Code Not in List. - Manufacturer Not in List. - This record cannot be saved because it violates the "Do Not Exceed Anticipated Project Budget" rule. - Miscellaneous Invoice ID must be unique.	

AddMiscInvoiceDetails

Input Parameters	Parameter	Type	Description
	MiscInvoiceDetail()	Class	Array of MiscInvoiceDetailClasses.
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType = "Miscellaneous Invoice Detail" StatusCode = "S" ReferenceId = Miscellaneous Invoice Detail ClientID
Considerations	- The TotalCost in a Miscellaneous Invoice Detail is automatically calculated. TotalAmount = Quantity * Cost. - Some Projects have "Do Not Exceed Anticipated Project Budget" on; therefore the invoice total should not exceed the project Budget.		
Exception Messages	Type	Status Messages	
	ResultInfo()	- Cost Code is required. - Cost Code Not in List. - UOM Not in List. - Funding Source Not in List. - Cost Type Not in List. - Phase Not in List.. - WBS Not in List. - Location Not in List. - Requisition Code Not in List. - Manufacturer Not in List. - This record cannot be saved because it violates the "Do Not Exceed Anticipated Project Budget" rule. - Record in workflow. Miscellaneous Invoice Detail cannot be added.	

UpdateMiscInvoices

Input Parameters	Parameter	Type	Description
	MiscInvoiceInfo()	Class	Array of MiscInvoiceInfo Classes.
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType "Miscellaneous Invoice" StatusCode = "S" ReferenceId = Miscellaneous Invoice SystemID ObjectType = "Miscellaneous Invoice Detail" StatusCode = "S" ReferenceId = Miscellaneous Invoice Detail SystemID
Considerations	- The TotalCost in a Miscellaneous Invoice Detail is automatically calculated. TotalAmount = Quantity * Cost. - Some Projects have "Do Not Exceed Anticipated Project Budget" rule; therefore the Invoice Total shouldn't exceed the project Budget. - Some Projects have "Do Not Exceed Funding Authorizations" rule; therefore the Invoice Total shouldn't exceed the project funding authorization. - Some Projects have "Do Not Exceed Funding" rule; therefore the Invoice Total shouldn't exceed the project funding.		
Exception Messages	Type	Status Messages	
	ResultInfo()	- RecordNumber must be unique. - Project is required. - Status is required. - Project Not in List. - Category Not in List. - Billing Terms Not in List. - Period Not in List. - Cost Code is required. - Cost Code Not in List. - UOM Not in List. - Funding Source Not in List. - Cost Type Not in List. - Phase Not in List. - WBS Not in List. - Location Not in List. - Requisition Code Not in List. - Manufacturer Not in List. - This record cannot be saved because it violates the "Do Not Exceed Anticipated Project Budget" rule. - Record in workflow. Miscellaneous Invoice Detail cannot be edited. - This record cannot be saved because it violates the "Do Not Exceed Funding" rule. - This record cannot be saved because it violates the "Do Not Exceed Funding Authorizations" rule.	

UpdateMiscInvoiceDetails

Input Parameters	Parameter	Type	Description
	MiscInvoiceDetail()	Class	Array of MiscInvoiceDetailClasses.
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType = "Miscellaneous Invoice Detail" StatusCode = "S" ReferenceId = Miscellaneous Invoice Detail SystemID
Considerations	- The TotalCost in a Miscellaneous Invoice Detail is automatically calculated. TotalAmount = Quantity * Cost. - Some Projects have "Do Not Exceed Anticipated Project Budget" rule; therefore the Invoice Total shouldn't exceed the project Budget. - Some Projects have "Do Not Exceed Funding Authorizations" rule; therefore the Invoice Total shouldn't exceed the project funding authorization. - Some Projects have "Do Not Exceed Funding" rule; therefore the Invoice Total shouldn't exceed the project funding.		
Exception Messages	Type	Status Messages	
	ResultInfo()	- Cost Code is required. - Cost Code Not in List. - UOM Not in List. - Funding Source Not in List. - Cost Type Not in List. - Phase Not in List. - WBS Not in List. - Location Not in List. - Requisition Code Not in List. - Manufacturer Not in List. - This record cannot be saved because it violates the "Do Not Exceed Anticipated Project Budget" rule. - Record in workflow. Miscellaneous Invoice Detail cannot be edited. - This record cannot be saved because it violates the "Do Not Exceed Funding" rule. - This record cannot be saved because it violates the "Do Not Exceed Funding Authorizations" rule.	

GetMiscInvoices

Filters Miscellaneous Invoices based on the values provided.

Input Parameters	Parameter	Type	Description
	MiscInvoiceNumber	String	
	Description	String	
	ProjectNumber	String	
	ProjectName	String	
	CompanyName	String	
	Period	String	
	Reference	String	
	Category	String	
	Status	String	
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	MiscInvoiceInfo()	Class	Array of MiscInvoiceInfo Classes.
Exception Messages	Type	Status Messages	
		Server exception message if any occurred	

GetMiscInvoicesByIds

Input Parameters	Parameter	Type	Description
	Ids()	Integer	Array of Miscellaneous Invoice Ids
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	MiscInvoiceInfo()	Class	Array of MiscInvoiceInfo Classes
Exception Messages	Type	Status Messages	
		Server exception message if any occurred	

GetMiscInvoicesList

Input Parameters	Parameter	Type	Description
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	MiscInvoiceInfo()	Class	Array of MiscInvoiceInfo Classes
Exception Messages	Type	Status Messages	
		Server exception message if any occurred	

GetMiscInvoiceById

Input Parameters	Parameter	Type	Description
	ID	Integer	Miscellaneous Invoice ID
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	MiscInvoiceInfo	Class	MiscInvoiceInfo Class.
Exception Messages	Type	Status Messages	
		Server exception message if any occurred	

DeleteMiscInvoices

Input Parameters	Parameter	Type	Description
	Ids()	Integer	Array of Miscellaneous Invoice Ids
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType = "Miscellaneous Invoice" StatusCode = "S" ReferenceId = Miscellaneous Invoice SystemID
Exception Messages	Type	Status Messages	
	ResultInfo()	Server exception message if any occurred	

DeleteMiscInvoiceDetails

Input Parameters	Parameter	Type	Description
	Ids()	Integer	Array of Miscellaneous Invoice Detail Ids
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType = "Miscellaneous Invoice Detail" StatusCode = "S" ReferenceId = Miscellaneous Invoice Detail SystemID
Exception Messages	Type	Status Messages	
	ResultInfo()	Server exception message if any occurred	

Budgets Operations

This section lists Budgets related operations that PMWeb API supports. Those operations are accessible from <http://<YourWebServiceDomain>/Costmanagement/Budgets.asmx>.

Operations List

- initiateBudgetInfo
- initiatePMWebCredentials
- initiateResultInfo
- [GetBudgetById](#)
- [GetBudgets](#)
- [GetBudgetsByIds](#)
- [GetBudgetsList](#)
- [AddBudgets](#)
- [AddBudgetDetails](#)
- [UpdateBudgets](#)
- [UpdateBudgetDetails](#)
- [DeleteBudgets](#)
- [DeleteBudgetDetails](#)

Operations

DeleteBudgets

Input Parameters	Parameter	Type	Description
	Ids()	Integer()	Array of Budget System Ids
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType = "Budget" StatusCode = "S" ReferenceId = Budget SystemID
Exception Messages	Type	Status Messages	
	ResultInfo()	- Record in workflow cannot be deleted.	

DeleteBudgetDetails

Input Parameters	Parameter	Type	Description
	Ids()	Integer()	Array of Budget Detail System Ids
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType = " Budget Detail" StatusCode = "S" ReferenceId = Budget Detail SystemID
Exception Messages	Type	Status Messages	
	ResultInfo()	- Record in workflow. Budget Detail cannot be deleted.	

AddBudgets

Input Parameters	Parameter	Type	Description
	BudgetInfo()	Class	Array of BudgetInfo Class
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType = "Budget" StatusCode = "S" ReferenceId = Budget ClientID ObjectType = "Budget Detail" StatusCode = "S" ReferenceId = Budget Detail ClientID
Considerations	- The Project can only have one active budget (not rejected or withdrawn). - If UseUnits = True Then - OriginalProjectBudget = Quantity * UnitCost - OriginalOwnerBudget = Quantity * UnitPrice - Else - UnitCost = OriginalProjectBudget / Quantity - UnitPrice = OriginalOwnerBudget / Quantity		
Exception Messages	Type	Status Messages	
	ResultInfo()	- Project is required. - Status is required. - Project Not in List. - Status Not In List. - Period Not in List. - Category Not in List. - Curve Not in List. - Type Not in List. - Phase Not in List. - WBS Not in List. - Location Not in List. - Cost Code Not in List. - Cost Code is required. - Company Name Not in List. - Task Not in List. - UOM Not in List. - Cost Type Not in List. - Record in workflow. Budget Detail cannot be added. - Another line with the same Cost Code exists.	

UpdateBudgets

Input Parameters	Parameter	Type	Description
	BudgetInfo()	Class	Array of BudgetInfo Class
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType = "Budget" StatusCode = "S" ReferenceId = Budget SystemID ObjectType = "Budget Detail" StatusCode = "S" ReferenceId = Budget Detail SystemID
Considerations	- If UseUnits = True Then OriginalProjectBudget = Quantity * UnitCost OriginalOwnerBudget = Quantity * UnitPrice Else UnitCost = OriginalProjectBudget / Quantity UnitPrice = OriginalOwnerBudget / Quantity		
Exception Messages	Type	Status Messages	
	ResultInfo()	- Status is required. - Status Not In List. - Period Not in List. - Category Not in List. - Curve Not in List. - Type Not in List. - Phase Not in List. - WBS Not in List. - Location Not in List. - Cost Code Not in List. - Cost Code is required. - Company Name Not in List. - Task Not in List. - UOM Not in List. - Cost Type Not in List. - Record in workflow cannot be updated. - Record in workflow. Budget Detail cannot be edited. - Another line with the same Cost Code exists.	

AddBudgetDetails

Input Parameters	Parameter	Type	Description
	BudgetDetailInfo()	Class	Array of BudgetDetailInfo Class
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType = "Budget Detail" StatusCode = "S" ReferenceId = Budget Detail ClientID

Considerations

```

- If UseUnits = True Then
    OriginalProjectBudget = Quantity * UnitCost
    OriginalOwnerBudget = Quantity * UnitPrice
Else
    UnitCost = OriginalProjectBudget / Quantity
    UnitPrice = OriginalOwnerBudget / Quantity

```

Exception Messages

Type	Status Messages
ResultInfo()	- Period Not in List. - Category Not in List. - Curve Not in List. - Type Not in List. - Phase Not in List. - WBS Not in List. - Location Not in List. - Cost Code Not in List. - Cost Code is required. - Company Name Not in List. - Task Not in List. - UOM Not in List. - Cost Type Not in List. - Record in workflow. Budget Detail cannot be added. - Another line with the same Cost Code exists.

UpdateBudgetDetails**Input Parameters**

Parameter	Type	Description
BudgetDetailInfo()	Class	Array of BudgetDetailInfo Class
PMWebCredentials	Class	

Output Parameters

Parameter	Type	Description
ResultInfo()	Class	ObjectType = "Budget Detail" StatusCode = "S" ReferenceId = Budget Detail SystemID

Considerations

```

- If UseUnits = True Then
    OriginalProjectBudget = Quantity * UnitCost
    OriginalOwnerBudget = Quantity * UnitPrice
Else
    UnitCost = OriginalProjectBudget / Quantity
    UnitPrice = OriginalOwnerBudget / Quantity

```

Exception Messages

Type	Status Messages
ResultInfo()	- Period Not in List. - Category Not in List. - Curve Not in List. - Type Not in List. - Phase Not in List. - WBS Not in List. - Location Not in List. - Cost Code Not in List. - Cost Code is required. - Company Name Not in List. - Task Not in List.

- UOM Not in List.
- Cost Type Not in List.
- Record in workflow. Budget Detail cannot be edited.
- Another line with the same Cost Code exists.

GetBudgetById

Input Parameters	Parameter	Type	Description
	BudgetId	Integer	Budget System ID
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	BudgetInfo	Class	
Exception Messages	Type	Status Messages	
		Server exception message if any occurred	

GetBudgetsByIds

Input Parameters	Parameter	Type	Description
	Ids()	Integer()	Array Budget System ID
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	BudgetInfo()	Class	Array of BudgetInfo
Exception Messages	Type	Status Messages	
		Server exception message if any occurred	

GetBudgetsList

Input Parameters	Parameter	Type	Description
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	BudgetInfo()	Class	Array of BudgetInfo
Exception Messages	Type	Status Messages	
		Server exception message if any occurred	

GetBudgets

Filters budgets based on the values sent.

Input Parameters	Parameter	Type	Description
	BudgetId	String	
	Description	String	
	ProjectNumber	String	
	ProjectName	String	
	Status	String	
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	BudgetInfo()	Class	Array of BudgetInfo

Exception Messages

Type	Status Messages
	Server exception message if any occurred

Change Events

Operations List

- initiatePMWebCredentials
- initiateResultInfo
- [UpdateDescription](#)

Operations

UpdateDescription

Input Parameters	Parameter	Type	Description
	ChangeEventId	Integer	Change Event PMWeb System ID
	Description	String	
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType = "Change Events" StatusCode = "S" ReferenceId = ChangeEventId SystemId = ChangeEventId
Considerations	-The description will be updated regardless of whether or not the record is in workflow.		
Exception Messages	Type	Status Messages	
	ResultInfo()	-	

Periods Operations

This section lists Periods related operations that PMWeb API supports. Those operations are accessible from <http://<YourWebServiceDomain>/Portfolio/Periods.asmx>.

Operations List

- initiatePMWebCredentials
- initiatePeriodInfo
- initiateProjectPeriods
- initiateResultInfo
- [GetPeriodsByProject](#)
- [AddPeriods](#)
- [UpdatePeriods](#)
- [DeletePeriods](#)
- [GenerateNextPeriod](#)

Operations

AddPeriods

Input Parameters	Parameter	Type	Description
	ProjectPeriods	Class	Array of ProjectPeriods Class
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType = "Periods" StatusCode = "S" ReferenceId = Period ClientID SystemId = Period PMWeb System ID
Considerations			
Exception Messages	Type	Status Messages	
	ResultInfo()	- Project is required - Project is not active - Project No in List - FromDate is required - ToDate is required - BudgetYear must be between 1899 and 2100	

UpdatePeriods

Input Parameters	Parameter	Type	Description
	PeriodsInfo()	Class	Array of PeriodsInfo Classes
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType = "Periods" StatusCode = "S" ReferenceId = Periods SystemID SystemId = Periods PMWeb System ID
Considerations			

Exception Messages

Type	Status Messages
ResultInfo()	- Id does not exist. - FromDate is required - ToDate is required - BudgetYear must be between 1899 and 2100

DeletePeriods

Input Parameters	Parameter	Type	Description
	Ids()	Integer()	Array of Period System Ids
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType = "Periods" StatusCode = "S" ReferenceId = Periods SystemID
Exception Messages	Type	Status Messages	
	ResultInfo()	- Id Does not exist	

GenerateNextPeriod

Checks the last Period line Created and generates a new line with the same interval of time.

Input Parameters	Parameter	Type	Description
	ProjectNumber	String	
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	WorkRequestInfo	Class	
Exception Messages	Type	Status Messages	
		- Project does not exist	

GetPeriodsByProject

Input Parameters	Parameter	Type	Description
	ProjectNumber	String	
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	PeriodsInfo()	Class	Array of PeriodsInfo classes
Exception Messages	Type	Status Messages	
		Server exception message if any occurred	

Locations Operations

This section lists Properties (Location) related operations that PMWeb API supports. Those operations are accessible from <http://<YourWebServiceDomain>/Assets /Locations.asmx>.

Operations List

- initiatePMWebCredentials
- initiatePropertyInfo
- initiateResultInfo
- [GetPropertyById](#)
- [GetPropertiesList](#)
- [GetPropertiesByIds](#)
- [GetProperties](#)
- [AddProperties](#)
- [UpdateProperties](#)
- [DeleteProperties](#)

Operations

AddProperties

Input Parameters	Parameter	Type	Description
	PropertyInfo()	Class	Array of PropertyInfo Class
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType = "Location" StatusCode = "S" ReferenceId = Location ClientID
Considerations	- The Project selected should have a currency that matches the Locations Currency.		
Exception Messages	Type	Status Messages	
	ResultInfo()	- Location ID is required. - Location Name is required. - Status is required. - Currency is required. - Location ID must be unique. - The project selected cannot be used because its currency does not match the location's currency. - Barcode must be unique for this database. - Program Not in List. - Operating Project Not in List. - Location Type Not in List - Status Not In List. - Currency Not in List. - Area UOM Not in List. - Length UOM Not in List. - Linear Area UOM Not in List. - Direction Not In List - State Not in List. - Country Not in List. - Component Type Not in List. - Owner Company Not in List. - Client Company Not in List. - Tenant Company Not in List. - Agent Company Name Not in List. - Authority Company Name Not in List. - Owner Contact Not in List. - Manager Contact Not in List.	

	- Superintendent Contact Not in List.
--	---------------------------------------

UpdateProperties

Input Parameters	Parameter	Type	Description
	PropertyInfo()	Class	Array of PropertyInfo Class
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType = "Location" StatusCode = "S" ReferenceId = Location SystemID
Considerations	- The Project selected should have a currency that matches the Locations Currency.		
Exception Messages	Type	Status Messages	
	ResultInfo()	- Location ID is required. - Location Name is required. - Status is required. - Currency is required. - Location ID must be unique. - The project selected cannot be used because its currency does not match the location's currency. - Barcode must be unique for this database. - Program Not in List. - Operating Project Not in List. - Location Type Not in List - Status Not In List. - Currency Not in List. - Area UOM Not in List. - Length UOM Not in List. - Linear Area UOM Not in List. - Direction Not In List - State Not in List. - Country Not in List. - Component Type Not in List. - Owner Company Not in List. - Client Company Not in List. - Tenant Company Not in List. - Agent Company Name Not in List. - Authority Company Name Not in List. - Owner Contact Not in List. - Manager Contact Not in List. - Superintendent Contact Not in List.	

DeleteProperties

Input Parameters	Parameter	Type	Description
	Ids()	Integer()	Array of Property System Ids
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType = "Location" StatusCode = "S" ReferenceId = LocationSystemID

Exception Messages

Type	Status Messages
ResultInfo()	- Record in workflow cannot be deleted.

GetPropertyById

Input Parameters	Parameter	Type	Description
	PropertyId	Integer	Property System ID
	PMWebCredentials	Class	

Output Parameters

Parameter	Type	Description
PropertyInfo	Class	

Exception Messages

Type	Status Messages
	Server exception message if any occurred

GetPropertiesByIds

Input Parameters	Parameter	Type	Description
	Ids()	Integer()	Array Property System ID
	PMWebCredentials	Class	

Output Parameters

Parameter	Type	Description
PropertyInfo	Class	Array of PropertyInfo

Exception Messages

Type	Status Messages
	Server exception message if any occurred

GetPropertiesList

Input Parameters	Parameter	Type	Description
	PMWebCredentials	Class	

Output Parameters

Parameter	Type	Description
PropertyInfo	Class	Array of PropertyInfo Classes.

Exception Messages

Type	Status Messages
	Server exception message if any occurred

GetProperties

Filters Properties based on the values sent.

Input Parameters	Parameter	Type	Description
	LocationProgramCode	String	
	LocationProgramName	String	
	OperatingProjectNumber	String	
	OperatingProjectName	String	
	LocationId		
	Name		
	LocationType		
	Status	String	

Output Parameters	PMWebCredentials	Class	
	Parameter	Type	Description
	PropertyInfo()	Class	Array of PropertyInfo
Exception Messages	Type	Status Messages	
		Server exception message if any occurred	

Buildings Operations

This section lists Buildings related operations that PMWeb API supports. Those operations are accessible from <http://<YourWebServiceDomain>/Assets/Buildings.asmx>.

Operations List

- initiatePMWebCredentials
- initiateBuildingInfo
- initiateResultInfo
- [GetBuildingById](#)
- [GetBuildingsList](#)
- [GetBuildingsByIds](#)
- [GetBuildings](#)
- [AddBuildings](#)
- [UpdateBuildings](#)
- [DeleteBuildings](#)

Operations

AddBuildings

Input Parameters	Parameter	Type	Description
	BuildingInfo()	Class	Array of BuildingInfo Class
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType = "Building" StatusCode = "S" ReferenceId = Building ClientID SystemId =Building PMWeb System ID
Considerations			
Exception Messages	Type	Status Messages	
	ResultInfo()	- Location ID is required. - The location is Invalid - The location is Inactive - Building Name is required. - Building Code is required - Status is required. - Building ID must be unique for this location. - Barcode must be unique for this database. - Type Not in List - Status Not In List. - Length UOM Not in List.	

	- Area UOM Not in List. - Direction Not In List - State Not in List. - Country Not in List. - Component Type Not in List.
--	---

UpdateBuildings

Input Parameters	Parameter	Type	Description
	BuildingInfo()	Class	Array of BuildingInfo Class
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType = "Building" StatusCode = "S" ReferenceId = Building SystemID SystemId= Building PMWeb System ID
Considerations			
Exception Messages	Type	Status Messages	
	ResultInfo()	- Building Name is required. - Building Code is required - Building doe not exist. - Building ID must be unique for this location - Status is required. - Code must be unique.. - Barcode must be unique for this database. - Type Not in List - Status Not In List. - Length UOM Not in List. - Area UOM Not in List. - Direction Not In List - State Not in List. - Country Not in List. - Component Type Not in List.	

DeleteBuildings

Input Parameters	Parameter	Type	Description
	Ids()	Integer()	Array of Building System Ids
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType = "Building" StatusCode = "S" ReferenceId = BuildingSystemID
Exception Messages	Type	Status Messages	
	ResultInfo()	- Record Does not exist	

GetBuildingById

Input Parameters	Parameter	Type	Description
	BuildingId	Integer	Building System ID

Output Parameters	PMWebCredentials	Class	
	Parameter	Type	Description
	BuildingInfo ()	Class	
Exception Messages	Type	Status Messages	
		Server exception message if any occurred	

GetBuildingsByIds

Input Parameters	Parameter	Type	Description
	Ids()	Integer()	Array Building System ID
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	BuildingInfo ()	Class	Array of BuildingInfo classes
Exception Messages	Type	Status Messages	
		Server exception message if any occurred	

GetBuildingsList

Input Parameters	Parameter	Type	Description
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	BuildingInfo ()	Class	Array of BuildingInfo Classes.
Exception Messages	Type	Status Messages	
		Server exception message if any occurred	

GetBuildings

Filters Buildings based on the values sent.

Input Parameters	Parameter	Type	Description
	Code	String	
	Name	String	
	OperatingProjectNumber	String	
	OperatingProjectName	String	
	LocationName	String	
	Type	String	
	Status	String	
	LastUpdateDate	Date	
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	BuildingInfo ()	Class	Array of Buildinginfo
Exception Messages	Type	Status Messages	
		Server exception message if any occurred	

Floors Operations

This section lists Floors related operations that PMWeb API supports. Those operations are accessible from <http://<YourWebServiceDomain>/Assets/Floors.asmx>.

Operations List

- initiatePMWebCredentials
- initiateFloorInfo
- initiateResultInfo
- [GetFloorById](#)
- [GetFloorsList](#)
- [GetFloorsByIds](#)
- [GetFloors](#)
- [AddFloors](#)
- [UpdateFloors](#)
- [DeleteFloors](#)

Operations

AddFloors

Input Parameters	Parameter	Type	Description
	FloorInfo()	Class	Array of FloorInfo Class
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType = "Floor" StatusCode = "S" ReferenceId = Floor ClientID SystemId =Floor PMWeb System ID
Considerations			
Exception Messages	Type	Status Messages	
	ResultInfo()	- Location ID is required. - The location is Invalid - The location is Inactive - Building is required. - Building Does not exist in the selected location. - Floor ID is required - Status is required. - Floor ID must be unique. - Barcode must be unique for this database. - Type Not in List - Status Not In List. - Length UOM Not in List. - Area UOM Not in List. - Direction Not In List - State Not in List. - Country Not in List. - Component Type Not in List.	

UpdateFloors

Input Parameters	Parameter	Type	Description
------------------	-----------	------	-------------

	FloorInfo()	Class	Array of FloorInfo Class
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType = "Floor" StatusCode = "S" ReferenceId = Floor SystemID SystemId= Floor PMWeb System ID
Considerations			
Exception Messages	Type	Status Messages	
	ResultInfo()	- Floor ID is required - Floor does not exist. - Status is required. - Floor ID must be unique. - Barcode must be unique for this database. - Type Not in List - Status Not In List. - Length UOM Not in List. - Area UOM Not in List. - Direction Not In List - State Not in List. - Country Not in List. - Component Type Not in List.	

DeleteFloors

Input Parameters	Parameter	Type	Description
	Ids()	Integer()	Array of Floor System Ids
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType = " Floor " StatusCode = "S" ReferenceId = Floor SystemID
Exception Messages	Type	Status Messages	
	ResultInfo()	- Record Does not exist	

GetFloorById

Input Parameters	Parameter	Type	Description
	FloorId	Integer	Floor System ID
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	FloorInfo()	Class	
Exception Messages	Type	Status Messages	
		Server exception message if any occurred	

GetFloorsByIds

Input Parameters	Parameter	Type	Description
	Ids()	Integer()	Array Floor System ID
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	FloorInfo()	Class	Array of FloorInfo classes
Exception Messages	Type	Status Messages	
		Server exception message if any occurred	

GetFloorsList

Input Parameters	Parameter	Type	Description
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	FloorInfo()	Class	Array of FloorInfo Classes.
Exception Messages	Type	Status Messages	
		Server exception message if any occurred	

GetFloors

Filters Floors based on the values sent.

Input Parameters	Parameter	Type	Description
	LocationID	String	
	LocationName	String	
	BuildingID	String	
	BuildingName	String	
	FloorID	String	
	FloorName	String	
	OperatingProjectNumber	String	
	OperatingProjectName	String	
	LastUpdateDate	Date	
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	FloorInfo()	Class	Array of FloorInfo
Exception Messages	Type	Status Messages	
		Server exception message if any occurred	

Spaces Operations

This section lists Spaces related operations that PMWeb API supports. Those operations are accessible from <http://<YourWebServiceDomain>/Assets/Spaces.asmx>.

Operations List

- initiatePMWebCredentials
- initiateSpaceInfo

- initiateResultInfo
- [GetSpaceById](#)
- [GetSpacesList](#)
- [GeSpacesByIds](#)
- [GetSpaces](#)
- [AddSpaces](#)
- [UpdateSpaces](#)
- [DeleteSpaces](#)

Operations

AddSpaces

Input Parameters	Parameter	Type	Description
	SpaceInfo()	Class	Array of SpaceInfo Class
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType = "Space" StatusCode = "S" ReferenceId = Space ClientID SystemId = Space PMWeb System ID
Considerations			
Exception Messages	Type	Status Messages	
	ResultInfo()	- Location ID is required. - Building ID is required. - Floor ID is required - Space ID is Required - Space Name is required - The location is Invalid - The location is Inactive - Status is required. - Building Does not exist in the selected location. - Floor does not exist in the selected building. - Space ID must be unique. - Barcode must be unique for this database. - Space Type Not in List - Sub Type Not in List - Category Not in List - Status Not In List. - Length UOM Not in List. - Area UOM Not in List. - Direction Not In List - State Not in List. - Country Not in List. - Component Type Not in List.	

UpdateSpaces

Input Parameters	Parameter	Type	Description
	SpaceInfo()	Class	Array of SpaceInfo Class
	PMWebCredentials	Class	
	Parameter	Type	Description

Output Parameters	ResultInfo()	Class	ObjectType = "Space" StatusCode = "S" ReferenceId = Space SystemID SystemId= Space PMWeb System ID
-------------------	------------------------------	-------	---

Considerations	
----------------	--

Exception Messages	<table> <tr> <th>Type</th><th>Status Messages</th></tr> <tr> <td>ResultInfo()</td><td> - Space ID is Required - Space Name is required - The location is Invalid - The location is Inactive - Status is required. - Space ID must be unique. - Barcode must be unique for this database. - Space Type Not in List - Sub Type Not in List - Category Not in List - Status Not In List. - Length UOM Not in List. - Area UOM Not in List. - Direction Not In List - State Not in List. - Country Not in List. - Component Type Not in List. </td></tr> </table>	Type	Status Messages	ResultInfo()	- Space ID is Required - Space Name is required - The location is Invalid - The location is Inactive - Status is required. - Space ID must be unique. - Barcode must be unique for this database. - Space Type Not in List - Sub Type Not in List - Category Not in List - Status Not In List. - Length UOM Not in List. - Area UOM Not in List. - Direction Not In List - State Not in List. - Country Not in List. - Component Type Not in List.
Type	Status Messages				
ResultInfo()	- Space ID is Required - Space Name is required - The location is Invalid - The location is Inactive - Status is required. - Space ID must be unique. - Barcode must be unique for this database. - Space Type Not in List - Sub Type Not in List - Category Not in List - Status Not In List. - Length UOM Not in List. - Area UOM Not in List. - Direction Not In List - State Not in List. - Country Not in List. - Component Type Not in List.				

DeleteSpaces

Input Parameters	Parameter	Type	Description
	Ids()	Integer()	Array of Space System Ids
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType = "Space" StatusCode = "S" ReferenceId = Space SystemID
Exception Messages	Type	Status Messages	
	ResultInfo()	- Record Does not exist	

GetSpaceById

Input Parameters	Parameter	Type	Description
	SpaceId	Integer	SpaceSystem ID
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	SpaceInfo()	Class	
Exception Messages	Type	Status Messages	
		Server exception message if any occurred	

GetSpacesByIds

Input Parameters	Parameter	Type	Description
------------------	-----------	------	-------------

	Ids()	Integer()	Array Space System ID
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	SpaceInfo()	Class	Array of SpaceInfo classes
Exception Messages	Type	Status Messages	
		Server exception message if any occurred	

GetSpacesList

Input Parameters	Parameter	Type	Description
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	SpaceInfo()	Class	Array of SpaceInfo Classes.
Exception Messages	Type	Status Messages	
		Server exception message if any occurred	

GetSpaces

Filters Spaces based on the values sent.

Input Parameters	Parameter	Type	Description
	LocationID	String	
	LocationName	String	
	BuildingID	String	
	BuildingName	String	
	FloorID	String	
	FloorName	String	
	OperatingProjectNumber	String	
	OperatingProjectName	String	
	SpaceID	String	
	Name	String	
	Status	String	
	LastUpdateDate	Date	
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	SpaceInfo()	Class	Array of SpaceInfo
Exception Messages	Type	Status Messages	
		Server exception message if any occurred	

Equipments Operations

This section lists Equipments related operations that PMWeb API supports. Those operations are accessible from <http://<YourWebServiceDomain>/Assets/Equipments.asmx>.

Operations List

- initiatePMWebCredentials

- initiateEquipmentInfo

- initiateEquipmentLogInfo
- initiateResultInfo
- [GetEquipmentById](#)
- [GetEquipmentsList](#)
- [GeEquipmentsByIds](#)
- [GetEquipments](#)
- [AddEquipments](#)
- [AddEquipmentLogs](#)
- [UpdateEquipments](#)
- [UpdateEquipmentLogs](#)
- [DeleteEquipments](#)
- [DeleteEquipmentLogs](#)

Operations

AddEquipments

Input Parameters	Parameter	Type	Description
	EquipmentInfo()	Class	Array of EquipmentInfo Class
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType = "Equipment" StatusCode = "S" ReferenceId = Equipment ClientID SystemId = Equipment PMWeb System ID ObjectType = "Equipment Log" StatusCode = "S" ReferenceId = Equipment Log ClientID SystemId = Equipment Log PMWeb System ID
Considerations			
Exception Messages	Type	Status Messages	
	ResultInfo()	- Location ID is required. - Building ID is required. - Floor ID is required - Equipment ID is Required - Equipment Name is required - The location is Invalid - The location is Inactive - Status is required. - Building Does not exist in the selected location. - Floor does not exist in the selected building. - Space does not exist in the selected floor. - Equipment ID must be unique. - Barcode must be unique for this database. - Item Not in List. - Equipment Type Not in List - Equipment Function StatusType Not in List - Equipment Ownership Not in List. - Vendor Company Not in List. - Manufacturer Company Type Not in List - Track Use by UOM Not in List - Status Not In List.	

	- Length UOM Not in List. - Area UOM Not in List. - Direction Not In List - Component Type Not in List. - UOM Not in List. - Fluid Type Not in List
--	---

AddEquipmentLogs

Input Parameters	Parameter	Type	Description
	EquipmentLogInfo()	Class	Array of EquipmentLogInfo Class
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType = "Equipment Log" StatusCode = "S" ReferenceId = Equipment Log ClientID SystemId = Equipment Log PMWeb System ID
Considerations			
Exception Messages	Type	Status Messages	
	ResultInfo()	- Equipment Id is required. - Equipment does not exist. - UOM Not in List. - Fluid Type Not in List	

UpdateEquipments

Input Parameters	Parameter	Type	Description
	EquipmentInfo()	Class	Array of EquipmentInfo Class
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType = "Equipment" StatusCode = "S" ReferenceId = Equipment SystemID SystemId= Equipment PMWeb System ID ObjectType = "Equipment Log" StatusCode = "S" ReferenceId = Equipment Log SystemID SystemId= Equipment Log PMWeb System ID
Considerations			
Exception Messages	Type	Status Messages	
	ResultInfo()	- Equipment ID is Required - Equipment Name is required - Equipment does not exist. - Status is required. - Equipment ID must be unique. - Barcode must be unique for this database. - Item Not in List. - Equipment Type Not in List - Equipment Function Status Type Not in List - Equipment Ownership Not in List. - Vendor Company Not in List. - Manufacturer Company Type Not in List	

	- Track Use by UOM Not in List - Status Not In List. - Length UOM Not in List. - Area UOM Not in List. - Direction Not In List - Component Type Not in List. - UOM Not in List. - Fluid Type Not in List
--	---

UpdateEquipmentLogs

Input Parameters	Parameter	Type	Description
	EquipmentLogInfo()	Class	Array of EquipmentLogInfo Class
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType = "Equipment Log" StatusCode = "S" ReferenceId = Equipment Log SystemID SystemId = Equipment Log PMWeb System ID
Considerations			
Exception Messages	Type	Status Messages	
	ResultInfo()	- Equipment Log does not exist. - UOM Not in List. - Fluid Type Not in List	

DeleteEquipments

Input Parameters	Parameter	Type	Description
	Ids()	Integer()	Array of Equipment System Ids
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType = "Equipment" StatusCode = "S" ReferenceId = Equipment SystemID
Exception Messages	Type	Status Messages	
	ResultInfo()	- Equipment Does not exist	

DeleteEquipmentLogs

Input Parameters	Parameter	Type	Description
	Ids()	Integer()	Array of Equipment Log System Ids
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType = "Equipment Log" StatusCode = "S"

		ReferenceId = Equipment Log SystemID
--	--	--------------------------------------

Exception Messages

Type	Status Messages
ResultInfo()	- Equipment Log Does not exist

GetEquipmentById

Input Parameters	Parameter	Type	Description
	EquipmentId	Integer	EquipmentSystem ID
	PMWebCredentials	Class	

Output Parameters

Parameter	Type	Description
SpaceInfo	Class	

Exception Messages

Type	Status Messages
	Server exception message if any occurred

GetEquipmentsByIds

Input Parameters	Parameter	Type	Description
	Ids()	Integer()	Array Space System ID
	PMWebCredentials	Class	

Output Parameters

Parameter	Type	Description
EquipmentInfo()	Class	Array of EquipmentInfo classes

Exception Messages

Type	Status Messages
	Server exception message if any occurred

GetEquipmentsList

Input Parameters	Parameter	Type	Description
	PMWebCredentials	Class	

Output Parameters

Parameter	Type	Description
EquipmentInfo()	Class	Array of EquipmentInfo Classes.

Exception Messages

Type	Status Messages
	Server exception message if any occurred

GetEquipments

Filters Equipments based on the values sent.

Input Parameters	Parameter	Type	Description
	LocationID	String	
	LocationName	String	
	BuildingID	String	
	BuildingName	String	
	FloorID	String	
	FloorName	String	
	SpaceID	String	
	SpaceName	String	
	EquipmentID	String	

	Name	String	
	EquipmentType	String	
	FunctionStatus	String	
	LastUpdateDate	Date	
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	EquipmentInfo()	Class	Array of Equipment Classes
Exception Messages	Type	Status Messages	
		Server exception message if any occurred	

GetEquipmentLogs

Input Parameters	Parameter	Type	Description
	EquipmentID	Integer	
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	EquipmentLogInfo()	Class	Array of EquipmentLogInfo Classes.
Exception Messages	Type	Status Messages	
		Server exception message if any occurred	

WorkOrders Operations

This section lists Work Orders related operations that PMWeb API supports. Those operations are accessible from <http://<YourWebServiceDomain>/Assets/WorkOrders.asmx>.

Operations List

- initiatePMWebCredentials
- initiateWorkOrderInfo
- initiateWorkOrderResourcesInfo
- initiateResultInfo
- [GetWorkOrderById](#)
- [GetWorkOrdersList](#)
- [GeWorkOrdersByIds](#)
- [GetWorkOrders](#)
- [AddWorkOrders](#)
- [AddWorkOrderResources](#)
- [UpdateWorkOrders](#)
- [UpdateWorkOrderResources](#)
- [DeleteWorkOrders](#)
- [DeleteWorkOrderResources](#)

Operations

AddWorkOrders

Input Parameters

Parameter	Type	Description
WorkOrderInfo()	Class	Array of WorkOrderInfo Class
PMWebCredentials	Class	

Output Parameters

Parameter	Type	Description
ResultInfo()	Class	ObjectType = "WorkOrder" StatusCode = "S" ReferenceId = Work Order ClientID SystemId = Work Order PMWeb System ID ObjectType = "Work Order Resources" StatusCode = "S" ReferenceId = Work Order Resources ClientID SystemId = Work Order Resrouce PMWeb System ID

Considerations

--

Exception Messages

Type	Status Messages
ResultInfo()	- Location ID is required. - Project is not active - Project Not in List. - Work Order ID is required. - The location is Invalid - The location is Inactive - Status is required. - Barcode must be unique for this database. - Item Not in List. - Type Not in List - Category Not in List - Progress Not in List. - Maintenance ContractNot in List. - Priority Not in List - WBS Not in List - Status Not In List. - Invalid Email Address - WorkOrder ID must be unique by location - WorkOrder ID must be unique by portfolio - WorkOrder ID must be unique by location program. - Resource Not in List. - Classification Not in List. - Pay Type Not In List - Period Not in List. - Cost Code Not in List.

AddWorkOrderResources**Input Parameters**

Parameter	Type	Description
WorkOrderResourcesInfo()	Class	Array of WorkOrderResourcesInfoClass
PMWebCredentials	Class	

Output Parameters

Parameter	Type	Description
ResultInfo()	Class	ObjectType = "WorkOrder Resource" StatusCode = "S"

		ReferenceId = Work Order Resource ClientID SystemId = Work Order Resource PMWeb System ID
--	--	--

Considerations

-This method will also post a new line to the cost ledger with a worksheet column:ActualCosts-Non-Commitment. if the WorkOrder resource was sucessfully added.
--

Exception Messages

Type	Status Messages
ResultInfo()	- Record in workflow. WorkOrder Resource cannot be added. - Resource is required. - Resource Not in List. - Classification Not in List. - Pay Type Not In List - Period Not in List. - Cost Code Not in List.

UpdateWorkOrders

Input Parameters

Parameter	Type	Description
WorkOrderInfo()	Class	Array of WorkOrderInfo Class
PMWebCredentials	Class	

Output Parameters

Parameter	Type	Description
ResultInfo()	Class	ObjectType = "Work Order" StatusCode = "S" ReferenceId = Work Order SystemID SystemId= Work Order PMWeb System ID ObjectType = " Work Order" StatusCode = "S" ReferenceId = Work Order SystemID SystemId= Work Order PMWeb System ID

Considerations

--

Exception Messages

Type	Status Messages
ResultInfo()	- Work Order ID is required. - Project is not active - Project Not in List. - Status is required. - Barcode must be unique for this database. - Item Not in List. - Type Not in List - Category Not in List - Progress Not in List. - Maintenance Contract Not in List. - Priority Not in List - WBS Not in List - Status Not In List. - Invalid Email Address - WorkOrder ID must be unique by location - WorkOrder ID must be unique by portfolio - WorkOrder ID must be unique by location program.

	- Resource Not in List. - Classification Not in List. - Pay Type Not In List - Period Not in List. - Cost Code Not in List.
--	---

UpdateWorkOrderResources

Input Parameters	Parameter	Type	Description
	WorkOrderResourcesInfo()	Class	Array of WorkOrderResourcesInfo Class
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType = " Work Order" StatusCode = "S" ReferenceId = Work Order Resources SystemID SystemId = Work Order Resources PMWeb System ID
Considerations	- This method will also update related line in the cost ledge. if the WorkOrder resource was sucessfully updated.		
Exception Messages	Type	Status Messages	
	ResultInfo()	- Record in workflow cannot be edited. - ID does not exist. - Resource is required. - Resource Not in List. - Classification Not in List. - Pay Type Not In List - Period Not in List. - Cost Code Not in List.	

DeleteWorkOrders

Input Parameters	Parameter	Type	Description
	Ids()	Integer()	Array of Work Orders System Ids
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType = "Work Order" StatusCode = "S" ReferenceId = Work Order SystemID
Exception Messages	Type	Status Messages	
	ResultInfo()	- Id Does not exist - Record in workflow cannot be deleted	

DeleteWorkOrderResources

Input Parameters	Parameter	Type	Description
	Ids()	Integer()	Array of WorkOrder System IDs
	PMWebCredentials	Class	
	Parameter	Type	Description

Output Parameters

ResultInfo()	Class	ObjectType = "WorkOrder Resource" StatusCode = "S" ReferenceId = WorkOrder Resources SystemID
------------------------------	-------	--

Exception Messages

Type	Status Messages
ResultInfo()	- Id Does not exist - Record in workflow cannot be deleted.

GetWorkOrderById**Input Parameters**

Parameter	Type	Description
WorkOrderId	Integer	WorkOrderSystem ID
PMWebCredentials	Class	

Output Parameters

Parameter	Type	Description
WorkOrderInfo	Class	

Exception Messages

Type	Status Messages
	Server exception message if any occurred

GetWorkOrdersByIds**Input Parameters**

Parameter	Type	Description
Ids()	Integer()	Array WorkOrderSystem ID
PMWebCredentials	Class	

Output Parameters

Parameter	Type	Description
WorkOrderInfo()	Class	Array of WorkOrderInfo classes

Exception Messages

Type	Status Messages
	Server exception message if any occurred

GetWorkOrdersList**Input Parameters**

Parameter	Type	Description
PMWebCredentials	Class	

Output Parameters

Parameter	Type	Description
WorkOrderInfo()	Class	Array of WorkOrderInfo Classes.

Exception Messages

Type	Status Messages
	Server exception message if any occurred

GetWorkOrders

Filters Work Orders based on the values sent.

Input Parameters

Parameter	Type	Description
LocationID	String	
LocationName	String	
ProjectNumber	String	
ProjectName	String	
Description	String	
WorkOrderID	String	

	Category	String	
	Type	String	
	Status	String	
	LastUpdateDate	Date	
	PMWebCredentials	Class	

Output Parameters	Parameter	Type	Description
	WorkOrderInfo()	Class	Array of WorkOrderInfo Classes

Exception Messages	Type	Status Messages
		Server exception message if any occurred

WorkRequests Operations

This section lists Work Requests related operations that PMWeb API supports. Those operations are accessible from <http://<YourWebServiceDomain>/Assets/WorkRequests.asmx>.

Operations List

- initiatePMWebCredentials
- initiateWorkRequestInfo
- initiateResultInfo
- [GetWorkRequestById](#)
- [GetWorkRequestsList](#)
- [GeWorkRequestsByIds](#)
- [GetWorkRequests](#)
- [AddWorkRequests](#)
- [DeleteWorkRequests](#)

Operations

AddWorkRequests

Input Parameters	Parameter	Type	Description
	WorkRequestInfo()	Class	Array of WorkRequestInfo Class
	PMWebCredentials	Class	

Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType = "WorkRequest" StatusCode = "S" ReferenceId = Work Request ClientID SystemId = Work Request PMWeb System ID

Considerations	
-----------------------	--

Exception Messages	Type	Status Messages
	ResultInfo()	- Location ID is required. - Record Number is required. - Status is required - The location is Invalid - The location is Inactive - ContactName is required.

	- WorkRequest ID must be unique. - Company is not in the Active Companies List. - ReportedBy is not in the Company Active Contacts List. - Barcode must be unique for this database. - Type Not in List - Category Not in List - WBS Not in List - Status Not In List.
--	---

UpdateWorkRequests

Input Parameters	Parameter	Type	Description
	WorkRequestInfo()	Class	Array of WorkRequestInfo Class
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType = "Work Request" StatusCode = "S" ReferenceId = Work Request SystemID SystemId= Work Request PMWeb System ID
Considerations			
Exception Messages	Type	Status Messages	
	ResultInfo()	- Record Number is required. - Status is required - ContactName is required. - WorkRequest ID must be unique. - Company is not in the Active Companies List. - ReportedBy is not in the Company Active Contacts List. - Barcode must be unique for this database. - Type Not in List - Category Not in List - WBS Not in List - Status Not In List.	

DeleteWorkRequests

Input Parameters	Parameter	Type	Description
	Ids()	Integer()	Array of Work Orders System Ids
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType = "Work Order" StatusCode = "S" ReferenceId = Work Order SystemID
Exception Messages	Type	Status Messages	
	ResultInfo()	- Id Does not exist - Record in workflow cannot be deleted	

GetWorkRequestById

Input Parameters	Parameter	Type	Description
	WorkRequestId	Integer	WorkRequest System ID

Output Parameters	PMWebCredentials	Class	
	Parameter	Type	Description
	WorkRequestInfo	Class	
Exception Messages	Type	Status Messages	
		Server exception message if any occurred	

GetWorkRequestsByIds

Input Parameters	Parameter	Type	Description
	Ids()	Integer()	Array WorkRequest System ID
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	WorkRequestInfo()	Class	Array of WorkRequestInfo classes
Exception Messages	Type	Status Messages	
		Server exception message if any occurred	

GetWorkRequestsList

Input Parameters	Parameter	Type	Description
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	WorkRequestInfo()	Class	Array of WorkRequestInfo Classes.
Exception Messages	Type	Status Messages	
		Server exception message if any occurred	

GetWorkRequests

Filters Work Requests based on the values sent.

Input Parameters	Parameter	Type	Description
	LocationID	String	
	LocationName	String	
	Description	String	
	Category	String	
	Type	String	
	Status	String	
	LastUpdateDate	Date	
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	WorkRequestInfo()	Class	Array of WorkRequestInfo Classes
Exception Messages	Type	Status Messages	
		Server exception message if any occurred	

Timesheets Operations

This section lists Timesheets related operations that PMWeb API supports. Those operations are accessible from <http://<YourWebServiceDomain>/Toolbox/TimeSheets.asmx>.

Operations List

- initiatePMWebCredentials
- initiateTimeSheetsInfo
- initiateTimeSheetsDetailInfo
- initiateResultInfo
- [GetTimeSheetById](#)
- [GetTimeSheetsList](#)
- [GetTimeSheetByIds](#)
- [GettimeSheets](#)
- [AddTimeSheets](#)
- [AddTimeSheetDetails](#)
- [GenerateNextTimeSheet](#)
- [UpdateUpdateTimeSheetDetails](#)
- [UpdateTimeSheetPostToNonCommitmentCost](#)
- [DeleteTimeSheets](#)
- [DeleteTimeSheetsDetails](#)

Operations

AddTimeSheets

Input Parameters		Parameter	Type	Description
		TimeSheetsInfo()	Class	Array of TimeSheetInfo Class
		PMWebCredentials	Class	
Output Parameters		Parameter	Type	Description
		ResultInfo()	Class	ObjectType = " Timesheet" StatusCode = "S" ReferenceId = Timesheet ClientID SystemId = Timesheet PMWeb System ID ObjectType = " TimesheetDetail" StatusCode = "S" ReferenceId = TimesheetDetails ClientID SystemId = Timesheet Details PMWeb System ID
Considerations		- If PostToNonComm		
Exception Messages		Type	Status Messages	
		ResultInfo()	- Status is required. - Program Not in List - Project is not active - Project Not In List - Period Not in List - Funding Source Not in List - ToDate should be greater than FromDate with a Maximum range of 7 days. - ID must be unique - Resource is required	

	- Resource Not in List - Resource Pay Type Not in List - Resource Class Not in List - Cost Code Not in List - Requisition Code Not in List. - Period Not in List. - Cost Code Not in List.
--	--

AddTimesheetDetails

Input Parameters	Parameter	Type	Description
	TimeSheetDetailsInfo()	Class	Array of TimesheetdetailInfo Class
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType = "Timesheet Detail" StatusCode = "S" ReferenceId = Timesheet ClientID SystemId = TimesheetDetail PMWeb System ID
Considerations	- TotalAmount is automatically calculated. TotalAmount = sum of all days value.		
Exception Messages	Type	Status Messages	
	ResultInfo()	- Record in workflow. Timesheet Details cannot be added. - Resource is required - Resource Not in List - Resource Pay Type Not in List - Resource Class Not in List - Cost Code Not in List - Requisition Code Not in List. - Period Not in List. - Cost Code Not in List.	

UpdateTimesheetPostToNonCommitmentCost

Input Parameters	Parameter	Type	Description
	PostToNonCommitmentCost	Boolean	
	TimesheetID	Integer	
	ClientID	String	
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType = "Timesheet" StatusCode = "S" ReferenceId =TimesheetClientID SystemId= Timesheet PMWeb System ID
Considerations	-		
Exception Messages	Type	Status Messages	
	ResultInfo()	- Record in workflow cannot be edited. - ID must Exist.	

UpdateTimesheetDetails

Input Parameters	Parameter	Type	Description
	TimeSheetDetailsInfo	Class	Array of TimesheetDetails Class
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType = "Timesheet Details" StatusCode = "S" ReferenceId = Timesheet Detail SystemID SystemId = Timesheet Detail PMWeb System ID
Considerations	- This method will also update related line in the cost ledger. if the Timesheet Detailline was sucessfully updated.		
Exception Messages	Type	Status Messages	
	ResultInfo()	- Record in workflow cannot be edited. - ID does not exist. - Resource is required. - Resource Not in List. - Classification Not in List. - Pay Type Not In List - Period Not in List. - Cost Code Not in List.	

DeleteTimesheet

Input Parameters	Parameter	Type	Description
	Ids()	Integer()	Array of Timesheet System Ids
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType = "Timesheet" StatusCode = "S" ReferenceId = Timesheet SystemID
Exception Messages	Type	Status Messages	
	ResultInfo()	- Id Does not exist - Record in workflow cannot be deleted	

DeleteTimesheetDetails

Input Parameters	Parameter	Type	Description
	Ids()	Integer()	Array of Timesheet System IDs
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType = "Timesheet Detail" StatusCode = "S" ReferenceId = Timesheet Detail SystemID
Exception Messages	Type	Status Messages	
	ResultInfo()	- Id Does not exist - Record in workflow cannot be deleted.	

GetTimesheetById

Input Parameters	Parameter	Type	Description
	TimesheetId	Integer	TimesheetSystem ID
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	TimeSheetsInfo()	Class	
Exception Messages	Type	Status Messages	
		Server exception message if any occurred	

GetTimesheetsByIds

Input Parameters	Parameter	Type	Description
	Ids()	Integer()	Array of TimesheetSystem ID
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	TimeSheetsInfo()	Class	Array of TimesheetInfo classes
Exception Messages	Type	Status Messages	
		Server exception message if any occurred	

GetTimesheetsList

Input Parameters	Parameter	Type	Description
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	TimeSheetsInfo()	Class	Array of TimesheetInfo Classes.
Exception Messages	Type	Status Messages	
		Server exception message if any occurred	

GetTimesheets

Filters Timesheets based on the values sent.

Input Parameters	Parameter	Type	Description
	TimesheetNumber	String	
	ProjectNumber	String	
	ProjectName	String	
	ProgramNumber	String	
	ProgramName	String	
	Period	String	
	Status	String	
	LastUpdateDate	Date	
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	TimesheetsInfo()	Class	Array of Timesheets Classes
Exception Messages	Type	Status Messages	

Exception Messages

	Server exception message if any occurred
--	--

GenerateNextTimesheet

Input Parameters	Parameter	Type	Description
	TimesheetID	Integer	Timesheet System Id
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType = "Timesheet" StatusCode = "S" ReferenceId = Timesheet SystemID SystemID= New Timesheet System ID
Exception Messages	Type	Status Messages	
	ResultInfo()	- Timesheet Id Does not exist	

Global Tabs Operations

This section lists all global tabs related operations that PMWeb API supports. These operations are accessible from <http://<YourWebServiceDomain>/Portfolio/Utilities.asmx>.

Operations List

Connecting to PMWeb

- `initiatePMWebCredentials`

Notes Operations

- `initiateNotesInfo`
- `initiateNote`
- [GetNotes](#)
- [AddNotes](#)
- [UpdateNotes](#)
- [DeleteNotes](#)

Specifications Operations

- `initiateSpecificationGroupInfo`
- `initiateSpecificationInfo`
- [GetSpecifications](#)
- [SaveSpecifications](#)

Attachments Operations

- `initiateAttachmentsInfo`
- `initiateAttachment`
- [GetAttachments](#)
- [AddAttachments](#)
- [DeleteAttachments](#)
- [GetFileContent](#)

Adjustments Operations

- `initiateAdjustment`
- `initiateAdjustmentInfo`
- [GetAdjustment](#)
- [AddAdjustment](#)
- [UpdateAdjustment](#)
- [DeleteAdjustment](#)
- [CalculateAdjustments](#)

Clauses Operations

- `initiateClause`
- `initiateClausesInfo`
- [GetClauses](#)
- [AddClauses](#)
- [UpdateClauses](#)
- [DeleteClauses](#)

Checklists Operations

- [GetCheckLists](#)

- [AddCheckList](#)
- [AddCheckListSteps](#)
- [AddCheckListTasks](#)
- [UpdateCheckList](#)
- [UpdateCheckListSteps](#)
- [UpdateCheckListTasks](#)
- [DeleteCheckListSteps](#)
- [DeleteCheckListTasks](#)
- initiateCheckListStep
- initiateCheckListsInfo
- initiateCheckListsTask

Operations

AddNotes

Input Parameters	Parameter	Type	Description
	NoteInfo	Class	
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType = "Notes" StatusCode = "S" ReferenceId = NoteClientID
Exception Messages	Type	Status Messages	
	ResultInfo()	- Record Type does not exist. - Description is required - Notes is required	

UpdateNotes

Input Parameters	Parameter	Type	Description
	NoteInfo	Class	
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType = "Notes" StatusCode = "S" ReferenceId = NoteSystemID
Exception Messages	Type	Status Messages	
	ResultInfo()	- Record Type does not exist. - Description is required - Notes is required	

DeleteNotes

Input Parameters	Parameter	Type	Description
	NoteIds()	Integer()	Array of Note Ids
	PMWebCredentials	Class	

Output Parameters

Parameter	Type	Description
ResultInfo()	Class	ObjectType = "Notes" StatusCode = "S" ReferenceId = NoteSystemID

Exception Messages

Type	Status Messages
ResultInfo()	Server exception message if any occurred

GetNotes**Input Parameters**

Parameter	Type	Description
RecordId	Integer	System ID of the record that the notes belong to.
SystemObjectType	String	Object Type of the Record that the notes belong to.
PMWebCredentials	Class	

Output Parameters

Parameter	Type	Description
NotesInfo()	Class	Array of NoteInfo Class.

Exception Messages

Type	Status Messages
	Server exception message if any occurred

GetSpecifications**Input Parameters**

Parameter	Type	Description
RecordId	Integer	System ID of the record that the Specifications belong to.
SystemObjectType	String	Object Type of the Record that the Specifications belong to.
PMWebCredentials	Class	

Output Parameters

Parameter	Type	Description
SpecificationGroupInfo()	Class	Array of SpecificationGroupInfo Class.

Exception Messages

Type	Status Messages
	Server exception message if any occurred

SaveSpecifications**Input Parameters**

Parameter	Type	Description
SpecificationGroupInfo()	Class	Array of SpecificationGroupInfo Class
PMWebCredentials	Class	

Output Parameters

Parameter	Type	Description
ResultInfo()	Class	ObjectType = "Specification Group" StatusCode = "S" ReferenceId = Specification GroupClientID ObjectType = "Specification Template "

		StatusCode = "S" ReferenceId = Specification TemplateClientID
--	--	---

Considerations

- If a spec already has a value for the record specified, the value will be overwritten.
- If a spec value doesn't exist for the record specified, the value will be added.

Exception Messages

Type	Status Messages
ResultInfo()	- UOM Not in List - Group Name Not in List - Spec Not in List

GetAttachments

Input Parameters	Parameter	Type	Description
	RecordId	Integer	
	SystemObjectType	String	
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	AttachmentsInfo	Class	
Exception Messages	Type	Status Messages	
		Server exception message if any occurred	

GetFileContent

Input Parameters	Parameter	Type	Description
	FileGuid	Integer	File GUID of the desired File.
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	Byte()	Byte()	Returns and array of Byte that represents the file content.
Exception Messages	Type	Status Messages	
		Server exception message if any occurred	

AddAttachments

Input Parameters	Parameter	Type	Description
	AttachmentsInfo	Class	
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType = " Attachment" StatusCode = "S" ReferenceId = AttachmentClientID
Considerations	- If URL option is specified - o Description is required - o URL is required - If UPLOAD option is specified - o Filename is required - o File Extension is required - o The file extension should exist in the list of the allowed extensions that is specified in PMWeb. - o The file size shouldn't exceed the maximum file size specified in PMWeb. - o If IsInRotator = True, the maximum file size allowed to show in the rotator shouldn't be reached.		
Exception Messages	Type	Status Messages	
	ResultInfo()	- Record Type does not exist. - Attachment Option is required.	

	- Attachment Option is not allowed. - File Content is required for upload type. - Filename is required. - File extension is required. - Exceeds the maximum allowed file name length of 150 characters. - Not an allowed File Type. Valid File Types are<list of allowed extensions>. - Exceeds the maximum allowed file size of <Maximum Size Allowed>. - Exceeds the maximum numberof files of <Maximum number of files in Rotator > to show the file in the rotator - Description is required for URL option. - URL is required.
--	--

DeleteAttachments

Input Parameters	Parameter	Type	Description
	AttIds	Integer()	Array of Attachments Ids
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType = "Attachment" StatusCode = "S" ReferenceId = PMWeb Attachment System ID
Exception Messages	Type	Status Messages	
	ResultInfo()	Server exception message if any occurred	

AddClauses

Input Parameters	Parameter	Type	Description
	ClauseInfo	Class	
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType = "Clauses" StatusCode = "S" ReferenceId = Document ClauseClientID
Exception Messages	Type	Status Messages	
	ResultInfo()	- Record Type does not exist. - Category is not in list. - Type is not in list. - Responsible not in list.	

UpdateClauses

Input Parameters	Parameter	Type	Description
	ClauseInfo	Class	

Output Parameters	PMWebCredentials	Class	
	Parameter	Type	Description
	ResultInfo()	Class	ObjectType = "Clauses" StatusCode = "S" ReferenceId = Document ClauseSystemID
Exception Messages	Type	Status Messages	
	ResultInfo()	- Record Type does not exist. - Category is not in list. - Type is not in list. - Responsible not in list.	

DeleteClauses

Input Parameters	Parameter	Type	Description
	ClauseIds()	Integer()	Array of Document Clause Ids
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType = "Clause" StatusCode = "S" ReferenceId = PMWeb Clause System ID
Exception Messages	Type	Status Messages	
	ResultInfo()	Server exception message if any occurred	

GetClauses

Input Parameters	Parameter	Type	Description
	RecordId	Integer	
	SystemObjectType	String	
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ClauseInfo	Class	
Exception Messages	Type	Status Messages	
		Server exception message if any occurred	

AddClauses

Input Parameters	Parameter	Type	Description
	ClauseInfo	Class	
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType = "Clauses" StatusCode = "S" ReferenceId = Document ClauseClientID
Exception Messages	Type	Status Messages	
	ResultInfo()	- Record Type does not exist. - Category is not in list. - Type is not in list. - Responsible not in list.	

CalculateAdjustments

Input Parameters	Parameter	Type	Description
	RecordId	Integer	System Record IDto which the adjustments belong.
	SystemObjectType	String	
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType = "Adjustment" StatusCode = "S" ReferenceId = AdjustmentSystemID
Exception Messages	Type	Status Messages	
	ResultInfo()		

AddAdjustment

Input Parameters	Parameter	Type	Description
	AdjustmentInfo	Class	
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType = "Adjustment" StatusCode = "S" ReferenceId = AdjustmentClientID
Considerations	- If IsManual = false the value specified in the amount won't be taken as the amount will be automatically calculated. - If AppendLine = false the value specified in the Cost Code won't be taken - If AppendLine = True, Cost Code might be required if that option was set in PMWeb for that Object Type and Project. - o New line will be added to the related record, and its CostLedger will be updated to reflect the changes. - If the ObjectType is "Budget" there will be no value for AppendLine and Cost Code. - AppliedToField value will only be considered if the ObjectType is "Progress Invoice" or "Requisition" - o Only two values "Scheduled Value" and "Current Invoice"		

- If the option “AutoCalculate” is set for that record, adjustments are applied and calculated to its related record.

Exception Messages

Type	Status Messages
ResultInfo()	- System Object Type Not In List - Adjustment Column is required. - Adjustment Column Not In list. - Adjustment Type not in list. - Cost Type not in list. - Adjustment Company Not in List. - Adjustment Group Company Not in List. - Cost Code is required. - Cost Code Not in List. - AppliedToField not in list.

UpdateAdjustment

Input Parameters

Parameter	Type	Description
AdjustmentInfo	Class	
PMWebCredentials	Class	

Output Parameters

Parameter	Type	Description
ResultInfo()	Class	ObjectType = "Adjustment" StatusCode = "S" ReferenceId = AdjustmentSystemID

Considerations

- If IsManual = false the value specified in the amount won't be taken as the amount will be automatically calculated.
- If AppendLine = false the value specified in the Cost Code won't be taken
- If AppendLine = True, Cost Code might be required if that option was set in PMWeb for that Object Type and Project.
 - o New line will be added to the related record, and its CostLedger will be updated to reflect the changes.
- If the ObjectType is "Budget" there will be no value for AppendLine and Cost Code.
- AppliedToField value will only be considered if the ObjectType is "Progress Invoice" or "Requisition"
 - o Only two values "Scheduled Value" and "Current Invoice"
- If the option “AutoCalculate” is set for that record, adjustments are applied and calculated to its related record.

Exception Messages

Type	Status Messages
ResultInfo()	- System Object Type Not In List - Adjustment Column is required. - Adjustment Column Not In list. - Adjustment Type not in list. - Cost Type not in list. - Adjustment Company Not in List. - Adjustment Group Company Not in List. - Cost Code is required. - Cost Code Not in List. - AppliedToField not in list.

DeleteAdjustment

Input Parameters	Parameter	Type	Description
	AdjustmentIds()	Integer()	Array of Adjustment System ID
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType = "Adjustment" StatusCode = "S" ReferenceId = AdjustmentSystemID
Exception Messages	Type	Status Messages	
	ResultInfo()		

GetAdjustment

Input Parameters	Parameter	Type	Description
	RecordId	Integer	System Record IDto which the adjustments belong.
	SystemObjectType	String	
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	AdjustmentInfo	Class	
Exception Messages	Type	Status Messages	
		Server exception message if any occurred	

AddCheckList

Input Parameters	Parameter	Type	Description
	CheckListsInfo	Class	
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType = "CheckList Header" StatusCode = "S" ReferenceId = Document ChecklistClientID ObjectType = "Task" StatusCode = "S" ReferenceId = CheckList TaskClientID ObjectType = "Step" StatusCode = "S" ReferenceId = "Checklist StepClientID
Exception Messages	Type	Status Messages	
	ResultInfo()	- Record is in workflow cannot be edited.. - Submitted By not in list. - Record Type does not exist. - Task Type Not in List. - Step Type Not in List.	

	- Skills not in list. - AssignedTo Not in List.
--	--

AddCheckListTasks

Input Parameters	Parameter	Type	Description
	CheckListTasks()	Class	Array of ChecklistTask Class
	RecordId	Integer	System Record IDto which the Checklist belongs.
	SystemObjectType	Integer	System Object Type to which the Checklist belongs.
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType = "Task" StatusCode = "S" ReferenceId = CheckList TaskClientID ObjectType = "Step" StatusCode = "S" ReferenceId = "Checklist StepClientID
Considerations			
Exception Messages	Type	Status Messages	
	ResultInfo()	- Record is in workflow cannot be edited.. - Record Type does not exist. - Task Type Not in List. - Step Type Not in List. - Skills not in list. - AssignedTo Not in List.	

AddCheckListSteps

Input Parameters	Parameter	Type	Description
	CheckListSteps()	Class	Array of CheckList Step.
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType = "Step" StatusCode = "S" ReferenceId = "Checklist StepClientID
Considerations	- TaskSystemId must be provided for each Checklist Step.		
Exception Messages	Type	Status Messages	
	ResultInfo()	- Record is in workflow cannot be edited.. - Step Type Not in List. - Skills not in list. - AssignedTo Not in List.	

UpdateCheckList

Input Parameters	Parameter	Type	Description
	CheckListsInfo	Class	

Output Parameters	PMWebCredentials	Class	
	ResultInfo()	Class	ObjectType = "CheckList Header" StatusCode = "S" ReferenceId = Document ChecklistSystemID ObjectType = "Task" StatusCode = "S" ReferenceId = CheckList TaskSystemID ObjectType = "Step" StatusCode = "S" ReferenceId = "Checklist StepSystemID

Considerations	
-----------------------	--

Exception Messages	Type	Status Messages
	ResultInfo()	- Record is in workflow cannot be edited.. - Submitted By not in list. - Task Type Not in List. - Step Type Not in List. - Skills not in list. - AssignedTo Not in List.

UpdateCheckListTasks

Input Parameters	Parameter	Type	Description
	CheckListTasks()	Class	Array of ChecklistTask Class
	PMWebCredentials	Class	

Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType = "Task" StatusCode = "S" ReferenceId = CheckList TaskSystemID ObjectType = "Step" StatusCode = "S" ReferenceId = "Checklist StepSystemID

Considerations	- If the Related record is in workflow it cannot be edited, therefore this operation is declined.
-----------------------	---

Exception Messages	Type	Status Messages
	ResultInfo()	- Record is in workflow cannot be edited. - Task Type Not in List. - Step Type Not in List. - Skills not in list. - AssignedTo Not in List.

UpdateCheckListSteps

Input Parameters	Parameter	Type	Description
	CheckListSteps()	Class	Array of CheckList Step.
	PMWebCredentials	Class	

Output Parameters

Parameter	Type	Description
ResultInfo()	Class	ObjectType = "Step" StatusCode = "S" ReferenceId = "Checklist StepSystemID"

Considerations

- TaskSystemId must be provided for each Checklist Step.

Exception Messages

Type	Status Messages
ResultInfo()	- Record is in workflow cannot be edited.. - Step Type Not in List. - Skills not in list. - AssignedTo Not in List.

DeleteChecklistTasks**Input Parameters**

Parameter	Type	Description
TaskIds()	Integer()	Array of Task System ID
PMWebCredentials	Class	

Output Parameters

Parameter	Type	Description
ResultInfo()	Class	ObjectType = "Task" StatusCode = "S" ReferenceId = Task SystemID

Considerations

--

Exception Messages

Type	Status Messages
ResultInfo()	

DeleteChecklistSteps

Input Parameters	Parameter	Type	Description
	TaskIds()	Integer()	Array of Task System ID
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ResultInfo()	Class	ObjectType = "Task" StatusCode = "S" ReferenceId = Task SystemID
Considerations			
Exception Messages	Type	Status Messages	
	ResultInfo()		

GetCheckList

Input Parameters	Parameter	Type	Description
	RecordId	Integer	System Record IDto which the Checklists belong.
	SystemObjectType	String	
	PMWebCredentials	Class	
Output Parameters	Parameter	Type	Description
	ChecklistsInfo	Class	
Considerations			
Exception Messages	Type	Status Messages	
		Server exception message if any occurred	



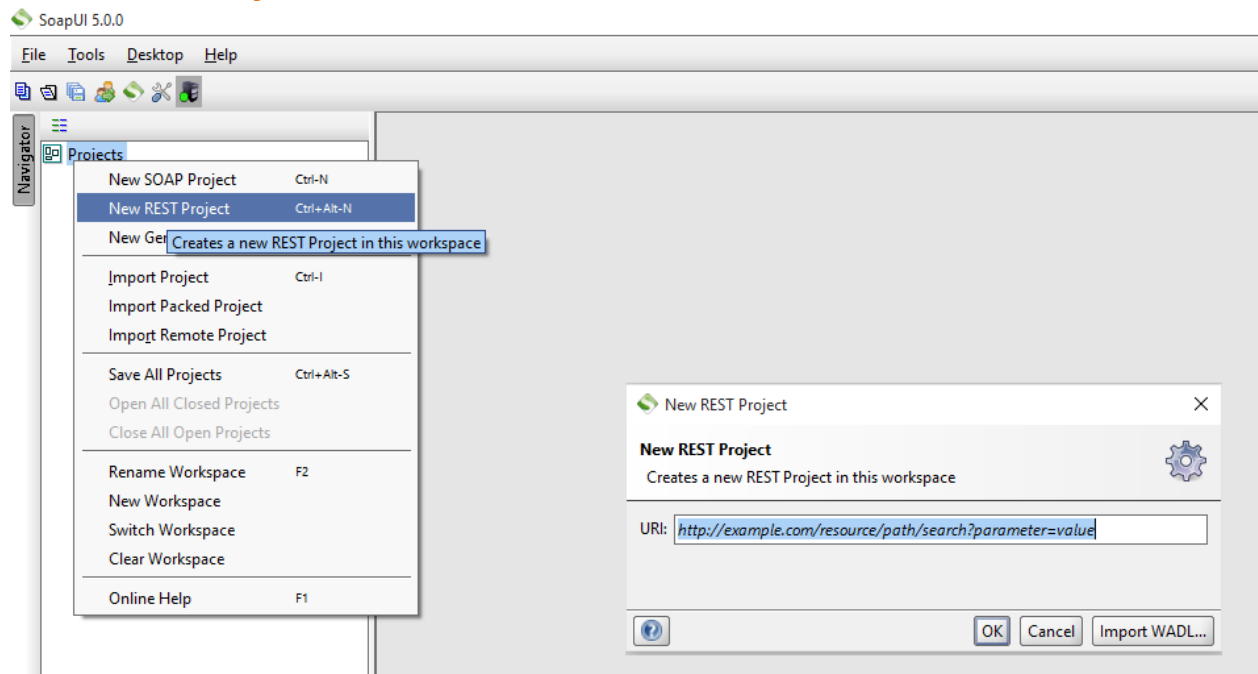
PMWeb REST Reference Guide

REST

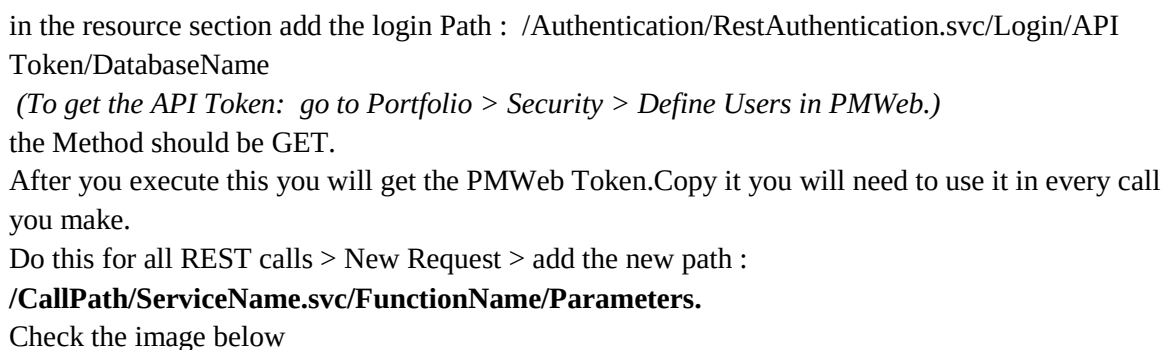
This section will show you how to use REST

Login

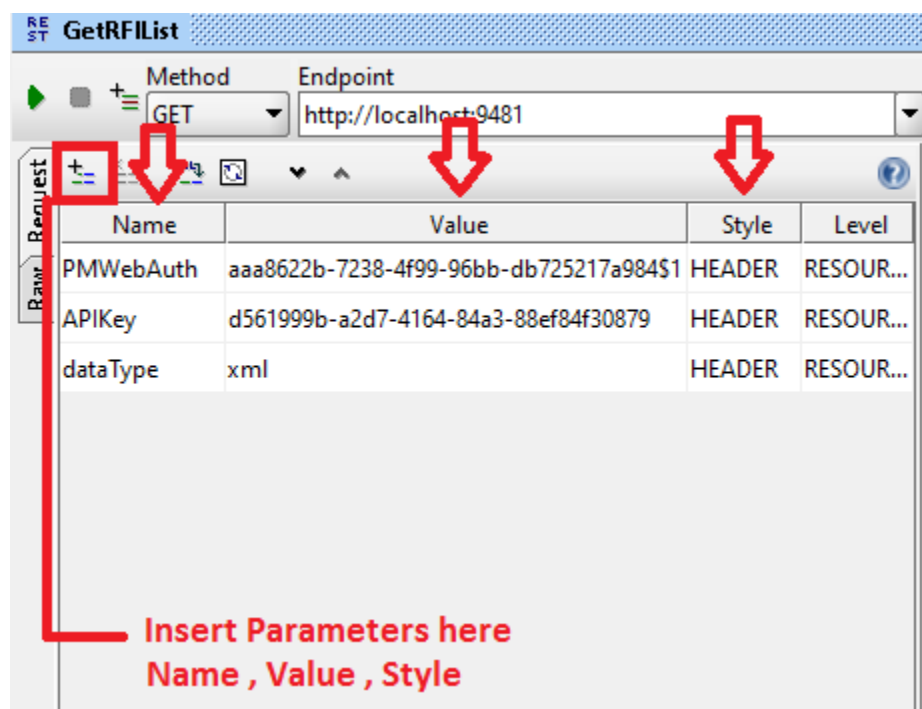
Create a New Rest Project In SOAP UI



add the URL example: `http://Localhost:xxxx/Rest`



Parameters



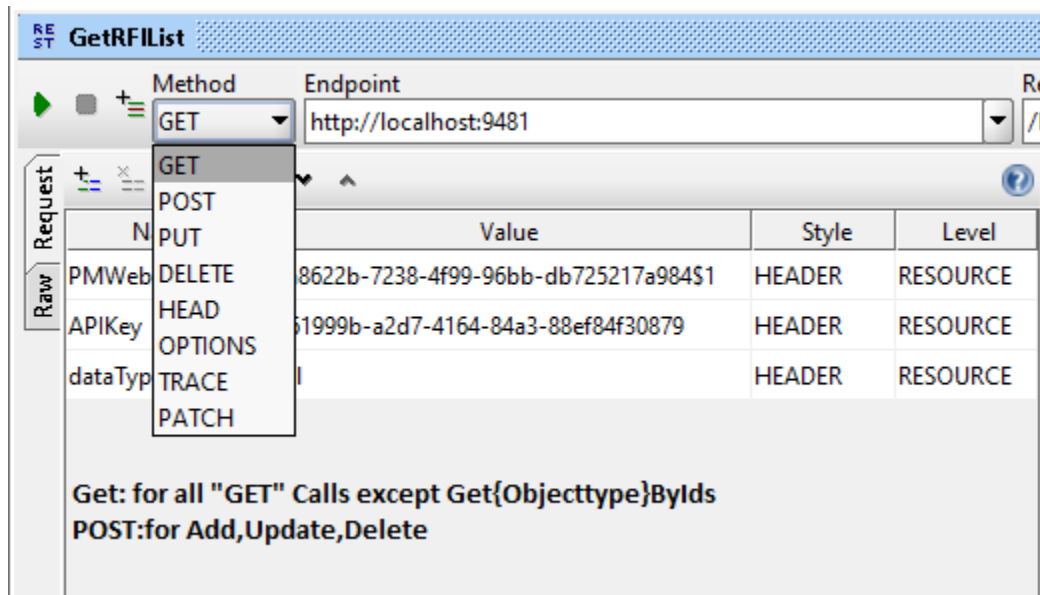
In every call you have to add the three parameters as the image above:

- PMWebAuth** : the PMWeb Token we get from the login call (*mandatory parameter*)
- APIKey** : the API key from PMWeb (Portfolio > Security > Define Users > API Keys) (*mandatory parameter*)
- Data Type**: whether you need to get the response as XML or JSON (*optional parameter by default JSON*)

Also every function has its own parameters that should be added.

PS: The style for these three parameters should be **HEADER**.

Method Types:



Below you can find some examples for REST Calls:

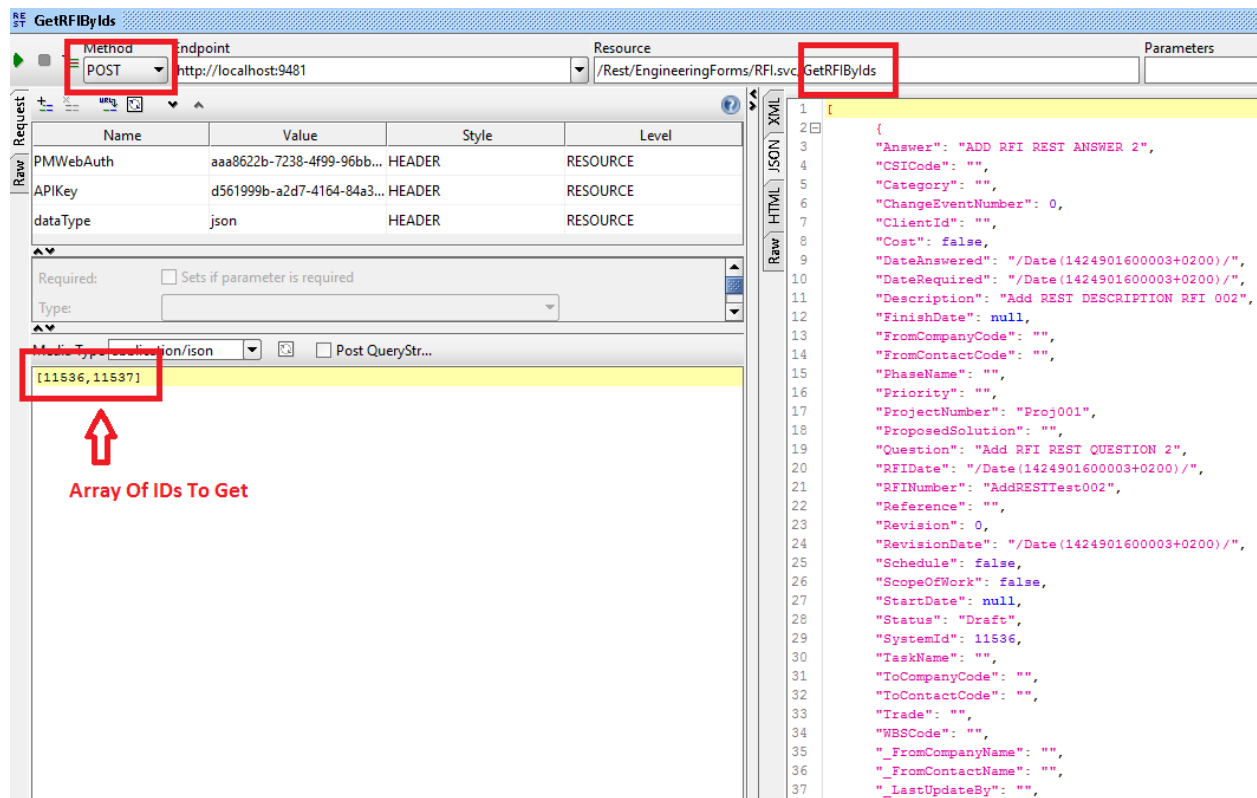
-GetRFIByIds: The path is : /EngineeringForms/RFI.svc/GetRFIByIds

Header Parameter : PMWebAuth, APIKey, DataType

The method is POST and takes [Array of Ids] as parameter ex: [123,524,254,745]

The result is JSON as the specified dataType in HEADER parameters.

(check the image below)



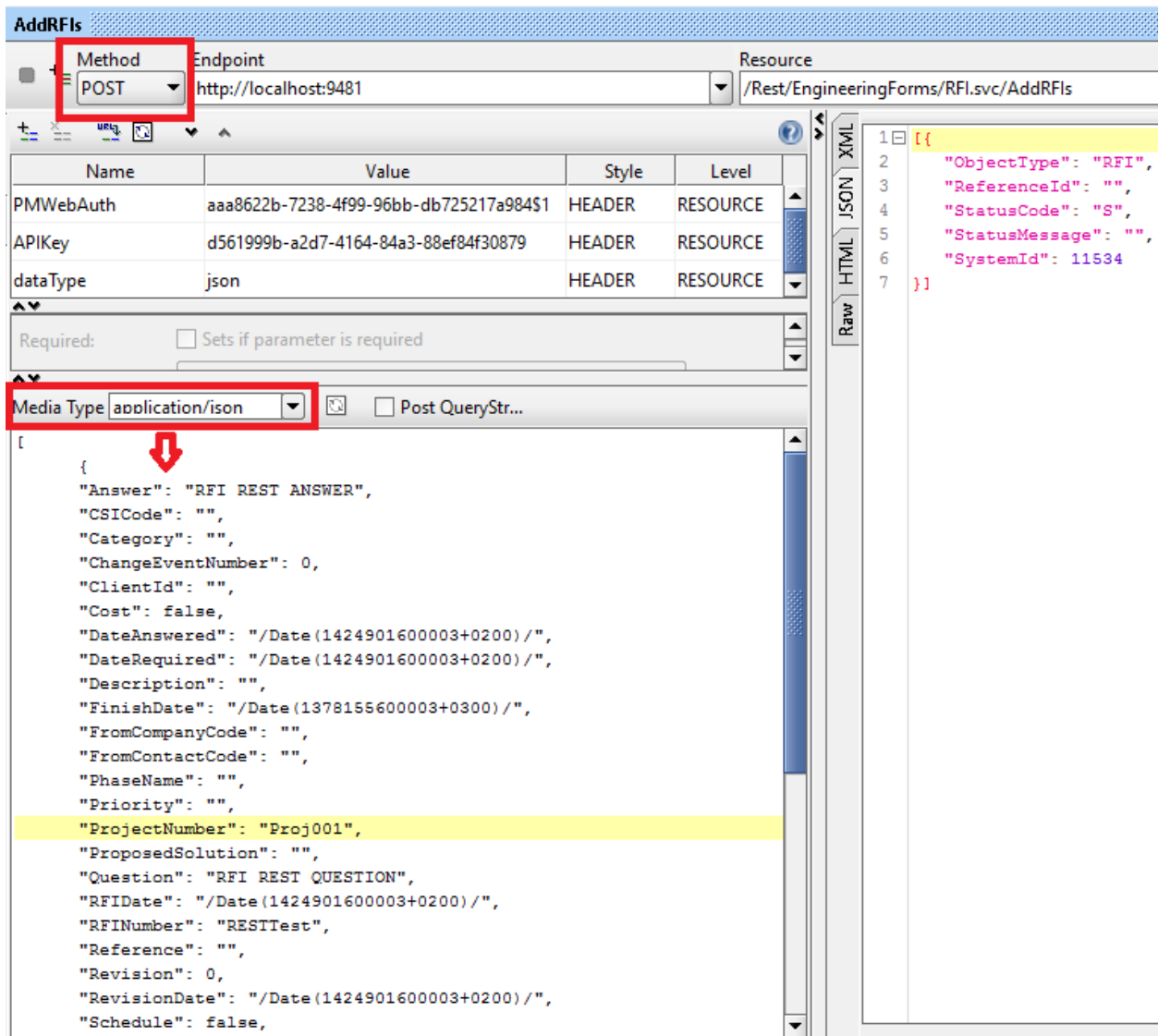
-AddRFI: The path is : /EngineeringForms/RFI.svc/AddRFIs

Header Parameter : PMWebAuth,APIKey,DataType

The method is POST,it takes JSON Object as parameter (you can specify Media Type from dropdown list)

The result is JSON as the specified dataType in HEADER parameters.

(check the image below)



-UpdateRFI: The path is : /EngineeringForms/RFI.svc/UpdateRFIs

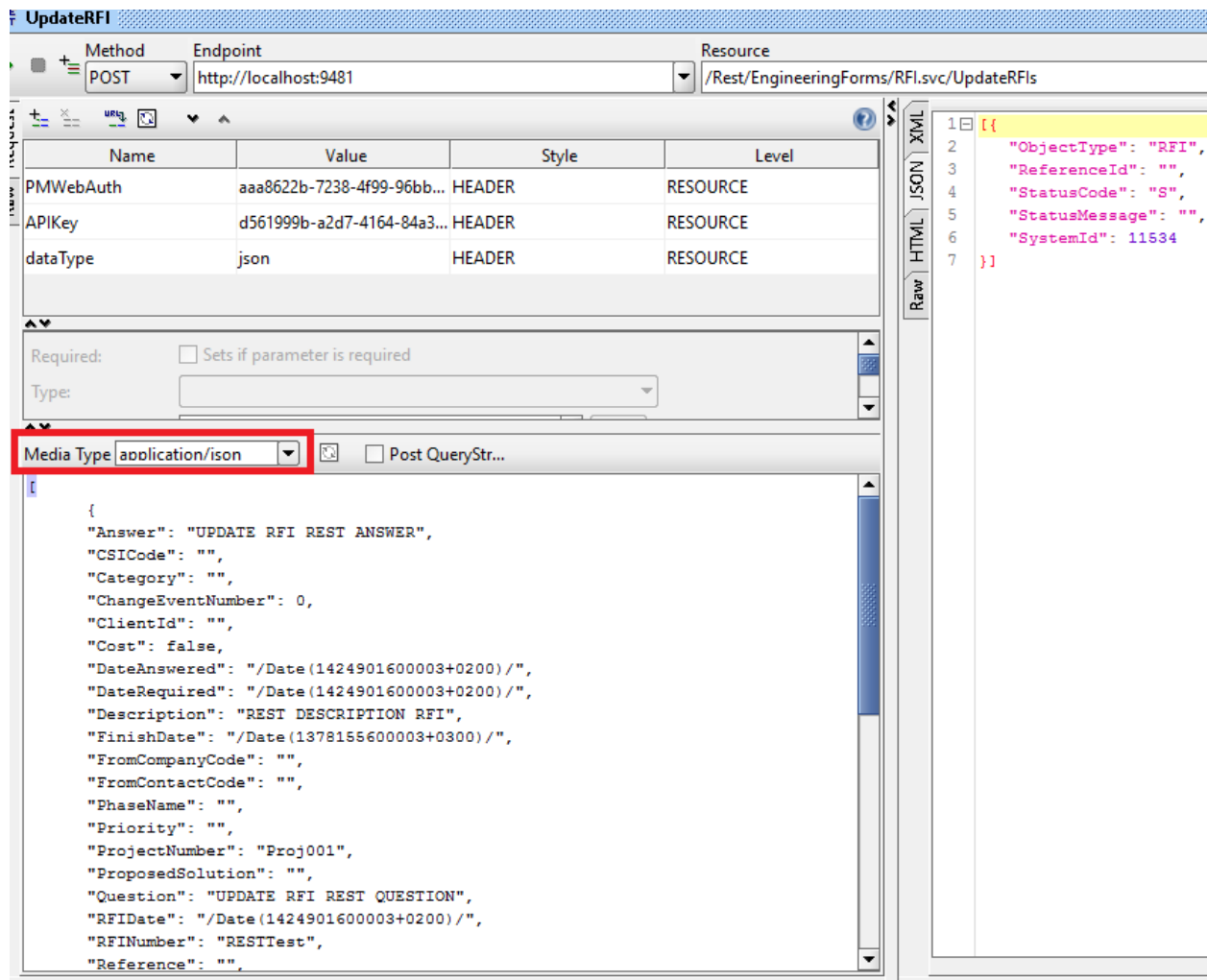
Header Parameter : PMWebAuth,APIKey,DataType

The method is POST,it takes JSON Object as parameter (you can specify Media Type from dropdown list)

Here the systemId should be sent

The result is JSON as the specified dataType in HEADER parameters.

(check the image below)



-DeleteRFI: The path is : /EngineeringForms/RFI.svc/DeleteRFIs

Header Parameter : PMWebAuth,APIKey,DataType

The method is POST, it takes array of IDs as parameter

The result is XML as the specified dataType in HEADER parameters.

(check the image below)

DeleteRFI

Method: POST Endpoint: http://localhost:9481 Resource: /Rest/EngineeringForms/RFI.svc/DeleteRFIs

Name	Value	Style	Level
PMWebAuth	aaa8622b-7238-4f99-...	HEADER	RESOURCE
APIKey	d561999b-a2d7-4164...	HEADER	RESOURCE
dataType	xml	HEADER	RESOURCE

Required: ☐ Sets if parameter is required
Type:

Media Type: application/ison ☐ Post QueryStr...

[11534, 11535]


Array Of IDs to delete

Raw Request: XML, JSON, HTML

```

<Response>
<e>
  <ObjectType>RFI</ObjectType>
  <ReferenceId>11534</ReferenceId>
  <StatusCode>S</StatusCode>
  <StatusMessage></StatusMessage>
  <SystemId>0</SystemId>
</e>
<e>
  <ObjectType>RFI</ObjectType>
  <ReferenceId>11535</ReferenceId>
  <StatusCode>S</StatusCode>
  <StatusMessage></StatusMessage>
  <SystemId>0</SystemId>
</e>
</Response>

```

-GetRFIs: The path is : /EngineeringForms/RFI.svc/GetRFIs

Header Parameter : PMWebAuth,APIKey,DataType

The method is GET, it takes no parameters since it gets all RFIs

The result is XML as the specified dataType in HEADER parameters.

(check the image below)

GetEquipmentsByIds	/Assets/Equipment.svc/GetEquipmentsByIds	Array of Ids	POST
GetEquipments	/Assets/Equipment.svc/GetEquipments	GetEquipments?LocationID={LocationID}&LocationName={LocationName}&BuildingID={BuildingID}&BuildingName={BuildingName}&FloorID={FloorID}&FloorName={FloorName}&SpaceID={SpaceID}&SpaceName={SpaceName}&EquipmentID={EquipmentID}&Name={Name}&EquipmentType={EquipmentType}&FunctionStatus={FunctionStatus}&LastUpdateDate={LastUpdateDate}	GET
GetEquipmentLogs	/Assets/Equipment.svc/GetEquipmentLogs	N/A	GET
AddEquipments	/Assets/Equipment.svc/AddEquipments	N/A	POST
AddEquipmentLogs	/Assets/Equipment.svc/AddEquipmentLogs	N/A	POST
UpdateEquipments	/Assets/Equipment.svc/UpdateEquipments	N/A	POST
UpdateEquipmentLogs	/Assets/Equipment.svc/UpdateEquipmentLogs	N/A	POST
DeleteEquipments	/Assets/Equipment.svc/DeleteEquipments	Array of Ids	POST
DeleteEquipmentLogs	/Assets/Equipment.svc/DeleteEquipmentLogs	Array of Ids	POST
Floors			GET
GetFloorById	/Assets/Floors.svc/GetFloorById	FloorId	GET
GetFloorsList	/Assets/Floors.svc/GetFloorsList	N/A	GET
GetFloorsByIds	/Assets/Floors.svc/GetFloorsByIds	Array of Ids	POST
GetFloors	/Assets/Floors.svc/GetFloors	GetFloors?LocationID={LocationID}&LocationName={LocationName}&BuildingID={BuildingID}&BuildingName={BuildingName}&FloorID={FloorID}&FloorName={FloorName}&OperatingProjectNumber={OperatingProjectNumber}&OperatingProjectName={OperatingProjectName}&LastUpdateDate={LastUpdateDate}	GET
AddFloors	/Assets/Floors.svc/AddFloors	N/A	POST
UpdateFloors	/Assets/Floors.svc/UpdateFloors	N/A	POST
DeleteFloors	/Assets/Floors.svc/DeleteFloors	Array of Ids	POST
locations			
GetPropertyById	/Assets/Locations.svc/GetPropertyById	PropertyId	GET
GetPropertiesList	/Assets/Locations.svc/GetPropertiesList	N/A	GET
GetpropertiesByIds	/Assets/Locations.svc/GetpropertiesByIds	Array of Ids	POST
GetProperties	/Assets/Locations.svc/GetProperties	GetProperties?LocationProgramCode={LocationProgramCode}&LocationProgramName={LocationProgramName}&OperatingProjectNumber={OperatingProjectNumber}&OperatingProjectName={OperatingProjectName}&LocationId={LocationId}&Name={Name}&LocationType={LocationType}&Status={Status}&LastUpdateDate={LastUpdateDate}	GET
AddProperties	/Assets/Locations.svc/AddProperties	N/A	POST
UpdateProperties	/Assets/Locations.svc/UpdateProperties	N/A	POST

DeleteProperties	/Assets/Locations.svc/DeleteProperties	Array of Ids	POST
Spaces			
GetSpaceById	/Assets/Spaces.svc/GetSpaceById	SpaceId	GET
GetSpacesList	/Assets/Spaces.svc/GetSpacesList	N/A	GET
GetSpacesByIds	/Assets/Spaces.svc/GetSpacesByIds	Array of Ids	POST
GetSpaces	/Assets/Spaces.svc/GetSpaces	GetSpaces?LocationID={LocationID}&LocationName={LocationName}&BuildingID={BuildingID}&BuildingName={BuildingName}&FloorID={FloorID}&FloorName={FloorName}&OperatingProjectNumber={OperatingProjectNumber}&OperatingProjectName={OperatingProjectName}&SpaceID={SpaceID}&Name={Name}&Status={Status}&LastUpdateDate={LastUpdateDate}	GET
GetSpace	/Assets/Spaces.svc/GetSpace	GetSpace?LocationID={LocationID}&BuildingID={BuildingID}&FloorID={FloorID}&SpaceID={SpaceID}	GET
AddSpaces	/Assets/Spaces.svc/AddSpaces	N/A	POST
UpdateSpaces	/Assets/Spaces.svc/UpdateSpaces	N/A	POST
DeleteSpaces	/Assets/Spaces.svc/DeleteSpaces	Array of Ids	POST
WorkOrders			
GetWorkOrderById	/Assets/WorkOrders.svc/GetWorkOrderById	WorkOrderId	GET
GetWorkOrdersList	/Assets/WorkOrders.svc/GetWorkOrdersList	N/A	GET
GetWorkOrdersByIds	/Assets/WorkOrders.svc/GetWorkOrdersByIds	Array of Ids	POST
GetWorkOrders	/Assets/WorkOrders.svc/GetWorkOrders	GetWorkOrders?LocationID={LocationID}&LocationName={LocationName}&ProjectNumber={ProjectNumber}&ProjectName={ProjectName}&Description={Description}&WorkOrderID={WorkOrderID}&Category={Category}&Type={Type}&Status={Status}&LastUpdateDate={LastUpdateDate}	GET
AddWorkOrders	/Assets/WorkOrders.svc/AddWorkOrders	N/A	POST
AddWorkOrderResources	/Assets/WorkOrders.svc/AddWorkOrderResources	N/A	POST
UpdateWorkOrders	/Assets/WorkOrders.svc/UpdateWorkOrders	N/A	POST
UpdateWorkOrderResources	/Assets/WorkOrders.svc/UpdateWorkOrderResources	N/A	POST
DeleteWorkOrders	/Assets/WorkOrders.svc/DeleteWorkOrders	Array of Ids	POST
DeleteWorkOrderResources	/Assets/WorkOrders.svc/DeleteWorkOrderResources	Array of Ids	POST
WorkRequest			
GetWorkRequestById	/Assets/WorkRequest.svc/GetWorkRequestById	WorkRequestId	GET
GetWorkRequestsList	/Assets/WorkRequest.svc/GetWorkRequestsList	N/A	GET
GetWorkRequestsByIds	/Assets/WorkRequest.svc/GetWorkRequestsByIds	Array of Ids	POST
GetWorkRequests	/Assets/WorkRequest.svc/GetWorkRequests	GetWorkRequests?LocationID={LocationID}&LocationName={LocationName}&RecordNumber={RecordNumber}&Category={Category}&Type={Type}&Description={Description}	GET

		&Status={Status}&LastUpdateDate={LastUpdateDate}")>	
AddWorkRequests	/Assets/WorkRequest.svc/AddWorkRequests	N/A	POST
UpdateWorkRequests	/Assets/WorkRequest.svc/UpdateWorkRequests	N/A	POST
DeleteWorkRequests	/Assets/WorkRequest.svc/DeleteWorkRequests	Array of Ids	POST
Authentication			
RestAuthentication			
Login	/Authentication/RestAuthentication.svc/Login	APIToken/databasename	GET
Cost Management			
APPaymentBatches			
GetAPPaymentBatchById	/Cost Management/APPaymentBatches.svc/GetAPPaymentBatchById	APPaymentBatchId	GET
GetAPPaymentBatchesList	/Cost Management/APPaymentBatches.svc/GetAPPaymentBatchesList	N/A	GET
GetAPPaymentBatchesByIds	/Cost Management/APPaymentBatches.svc/GetAPPaymentBatchesByIds	Array of Ids	POST
GetAPPaymentBatches	/Cost Management/APPaymentBatches.svc/GetAPPaymentBatches	GetAPPaymentBatches?ID={ID}&Description={Description}&ProjectNumber={ProjectNumber}&ProjectName={ProjectName}&ProgramNumber={ProgramNumber}&ProgramName={ProgramName}&CompanyCode={CompanyCode}&Category={Category}&Period={Period}&Status={Status}&Reference={Reference}&LastUpdatedDate={LastUpdatedDate}")>	GET
DeleteAPPaymentBatches	/Cost Management/APPaymentBatches.svc/DeleteAPPaymentBatches	Array of Ids	POST
DeleteAPPaymentBatchDetails	/Cost Management/APPaymentBatches.svc/DeleteAPPaymentBatchDetails	Array of Ids	POST
AddAPPaymentBatches	/Cost Management/APPaymentBatches.svc/AddAPPaymentBatches	N/A	POST
AddAPPaymentBatchDetails	/Cost Management/APPaymentBatches.svc/AddAPPaymentBatchDetails	N/A	POST
UpdateAPPaymentBatches	/Cost Management/APPaymentBatches.svc/UpdateAPPaymentBatches	N/A	POST
UpdateAPPaymentBatchDetails	/Cost Management/APPaymentBatches.svc/UpdateAPPaymentBatchDetails	N/A	POST
APPayments			
AddAPPayments	/Cost Management/APPayments.svc/AddAPPayments	N/A	POST
UpdateAPPayments	/Cost Management/APPayments.svc/UpdateAPPayments	N/A	POST
GetAPPaymentById	/Cost Management/APPayments.svc/GetAPPaymentById	APPaymentId	GET
GetAPPaymentsList	/Cost Management/APPayments.svc/GetAPPaymentsList	N/A	GET

GetAPPaymentsByIds	/Cost Management/APPayments.svc/GetAPPaymentsByIds	Array of Ids	POST
GetAPPayments	/Cost Management/APPayments.svc/GetAPPayments	GetAPPayments?ID={ID}&Description={Description}&ProjectNumber={ProjectNumber}&ProjectName={ProjectName}&ProgramNumber={ProgramNumber}&ProgramName={ProgramName}&CompanyCode={CompanyCode}&Category={Category}&Period={Period}&Status={Status}&Reference={Reference}&LastUpdateDate={LastUpdateDate}	GET
DeleteAPPayments	/Cost Management/APPayments.svc/DeleteAPPayments	Array of Ids	POST
DeleteAPPaymentDetails	/Cost Management/APPayments.svc/DeleteAPPaymentDetails	Array of Ids	POST
ARPaymentBatches			
GetARPaymentBatcheById	/Cost Management/ARPaymentBatches.svc/GetARPaymentBatcheById	ARPaymentBatcheId	GET
GetARPaymentBatchesList	/Cost Management/ARPaymentBatches.svc/GetARPaymentBatchesList	N/A	GET
GetARPaymentBatchesByIds	/Cost Management/ARPaymentBatches.svc/GetARPaymentBatchesByIds	Array of Ids	POST
GetARPaymentBatches	/Cost Management/ARPaymentBatches.svc/GetARPaymentBatches	N/A	GET
DeleteARPaymentBatches	/Cost Management/ARPaymentBatches.svc/DeleteARPaymentBatches	Array of Ids	POST
DeleteARPaymentBatcheDetails	/Cost Management/ARPaymentBatches.svc/DeleteARPaymentBatcheDetails	Array of Ids	POST
AddARPaymentBatches	/Cost Management/ARPaymentBatches.svc/AddARPaymentBatches	N/A	POST
AddARPaymentBatcheDetails	/Cost Management/ARPaymentBatches.svc/AddARPaymentBatcheDetails	N/A	POST
UpdateARPaymentBatches	/Cost Management/ARPaymentBatches.svc/UpdateARPaymentBatches	N/A	POST
UpdateARPaymentBatchDetails	/Cost Management/ARPaymentBatches.svc/UpdateARPaymentBatchDetails	N/A	POST
ARPayments			
GetARPaymentById	/Cost Management/ARPayments.svc/GetARPaymentById	ARPaymentId	GET
GetARPaymentsList	/Cost Management/ARPayments.svc/GetARPaymentsList	N/A	GET
GetARPaymentsByIds	/Cost Management/ARPayments.svc/GetARPaymentsByIds	Array of Ids	POST
GetARPayments	/Cost Management/ARPayments.svc/GetARPayments	GetARPayments?ID={ID}&Description={Description}&ProjectNumber={ProjectNumber}&ProjectName={ProjectName}&ProgramNumber={ProgramNumber}	GET

		mNumber}&ProgramName={ProgramName}&CompanyCode={CompanyCode}&Category={Category}&Period={Period}&Status={Status}&Reference={Reference}&LastUpdateDate={LastUpdateDate}	
AddARPayments	/CostManagement/ARPayments.svc/AddARPayments	N/A	POST
UpdateARPayments	/CostManagement/ARPayments.svc/UpdateARPayments	N/A	POST
DeleteARPayments	/CostManagement/ARPayments.svc/DeleteARPayments	Array of Ids	POST
DeleteARPaymentDetails	/CostManagement/ARPayments.svc/DeleteARPaymentDetails	Array of Ids	POST
BudgetRequests			
AddBudgetRequests	/CostManagement/BudgetRequests.svc/AddBudgetRequests	N/A	POST
AddBudgetRequestDetails	/CostManagement/BudgetRequests.svc/AddBudgetRequestDetails	N/A	POST
UpdateBudgetRequests	/CostManagement/BudgetRequests.svc/UpdateBudgetRequests	N/A	POST
UpdateBudgetRequestDetails	/CostManagement/BudgetRequests.svc/UpdateBudgetRequestDetails	N/A	POST
UpdateBudgetRequestDescription	/CostManagement/BudgetRequests.svc/UpdateBudgetRequestDescription	N/A	POST
GetBudgetRequestById	/CostManagement/BudgetRequests.svc/GetBudgetRequestById	BudgetRequestId	GET
GetBudgetRequestsList	/CostManagement/BudgetRequests.svc/GetBudgetRequestsList	N/A	GET
GetBudgetRequestsByIds	/CostManagement/BudgetRequests.svc/GetBudgetRequestsByIds	Array of Ids	POST
GetBudgetRequests	/CostManagement/BudgetRequests.svc/GetBudgetRequests	GetBudgetRequests?BudgetRequestNumber={BudgetRequestNumber}&Description={Description}&ProjectNumber={ProjectNumber}&ProjectName={ProjectName}&ProgramCode={ProgramCode}&ProgramName={ProgramName}&Type={Type}&Category={Category}&Reference={Reference}&Status={Status}&LastUpdateDate={LastUpdateDate}	GET
DeleteBudgetRequests	/CostManagement/BudgetRequests.svc/DeleteBudgetRequests	Array of Ids	POST
DeleteBudgetRequestDetails	/CostManagement/BudgetRequests.svc/DeleteBudgetRequestDetails	Array of Ids	POST
Budgets			
AddBudgets	/CostManagement/Budgets.svc/AddBudgets	N/A	POST

AddBudgetDetails	/Cost Management/Budgets.svc/AddBudgetDetails	N/A	POST
UpdateBudgets	/Cost Management/Budgets.svc/UpdateBudgets	N/A	POST
UpdateBudgetDetails	/Cost Management/Budgets.svc/UpdateBudgetDetails	N/A	POST
GetBudgetById	/Cost Management/Budgets.svc/GetBudgetById	BudgetId	GET
GetBudgetsList	/Cost Management/Budgets.svc/GetBudgetsList	N/A	GET
GetBudgetsByIds	/Cost Management/Budgets.svc/GetBudgetsByIds	Array of Ids	POST
GetBudgets	/Cost Management/Budgets.svc/GetBudgets	GetBudgets?BudgetId={BudgetId}&Description={Description}&ProjectNumber={ProjectNumber}&ProjectName={ProjectName}&status={status}&LastUpdateDate={LastUpdateDate}	GET
DeleteBudgets	/Cost Management/Budgets.svc/DeleteBudgets	Array of Ids	POST
DeleteBudgetDetails	/Cost Management/Budgets.svc/DeleteBudgetDetails	Array of Ids	POST
ChangeEvents			
UpdateDescription	/Cost Management/ChangeEvents.svc/UpdateDescription	ChangeEventId	GET
CommitmentCO			
AddCommitmentCOs	/Cost Management/CommitmentCO.svc/AddCommitmentCOs	N/A	POST
AddCommitmentCODetails	/Cost Management/CommitmentCO.svc/AddCommitmentCODetails	N/A	POST
UpdateCommitmentCOs	/Cost Management/CommitmentCO.svc/UpdateCommitmentCOs	N/A	POST
UpdateCommitmentCODetails	/Cost Management/CommitmentCO.svc/UpdateCommitmentCODetails	N/A	POST
GetCommitmentCOList	/Cost Management/CommitmentCO.svc/GetCommitmentCOList	N/A	GET
GetCommitmentCOById	/Cost Management/CommitmentCO.svc/GetCommitmentCOById	CommitmentCOId	GET
GetCommitmentCOsByIds	/Cost Management/CommitmentCO.svc/GetCommitmentCOsByIds	Array of Ids	POST
GetCommitmentCOs	/Cost Management/CommitmentCO.svc/GetCommitmentCOs	GetCommitmentCOs?RecordNumber={RecordNumber}&Description={Description}&ProjectNumber={ProjectNumber}&ProjectName={ProjectName}&CompanyName={CompanyName}&Category={Category}&Reference={Reference}&Commitment={Commitment}&Status={Status}&LastUpdateDate={LastUpdateDate}	GET

DeleteCommitmentCOs	/Cost Management/CommitmentCO.svc/DeleteCommitmentCOs	Array of Ids	POST
DeleteCommitmentCODetails	/Cost Management/CommitmentCO.svc/DeleteCommitmentCODetails	Array of Ids	POST
Commitment			
AddCommitments	/Cost Management/Commitments.svc/AddCommitments	N/A	POST
AddCommitmentDetails	/Cost Management/Commitments.svc/AddCommitmentDetails	N/A	POST
UpdateCommitments	/Cost Management/Commitments.svc/UpdateCommitments	N/A	POST
UpdateCommitmentDetails	/Cost Management/Commitments.svc/UpdateCommitmentDetails	N/A	POST
GetCommitmentById	/Cost Management/Commitments.svc/GetCommitmentById	CommitmentId	GET
GetCommitmentList	/Cost Management/Commitments.svc/GetCommitmentList	N/A	GET
GetCommitmentsByIds	/Cost Management/Commitments.svc/GetCommitmentsByIds	Array of Ids	POST
GetCommitments	/Cost Management/Commitments.svc/GetCommitments	GetCommitments?CommitmentNumber={CommitmentNumber}&Description={Description}&ProjectNumber={ProjectNumber}&ProjectName={ProjectName}&CompanyName={CompanyName}&Category={Category}&Reference={Reference}&Type={Type}&Status={Status}&LastUpdateDate={LastUpdateDate}	GET
DeleteCommitments	/Cost Management/Commitments.svc/DeleteCommitments	Array of Ids	POST
DeleteCommitmentDetails	/Cost Management/Commitments.svc/DeleteCommitmentDetails	Array of Ids	POST
CostCode			
AddCostCodes	/Cost Management/CostCode.svc/AddCostCodes	N/A	POST
AddCostCode	/Cost Management/CostCode.svc/AddCostCode	N/A	POST
GetCostCodeByProjectNumber	/Cost Management/CostCode.svc/GetCostCodeByProjectNumber	ProjectNumber	GET
GetCostCodeFullInfo	/Cost Management/CostCode.svc/GetCostCodeFullInfo	ProjectNumber/CostCode	GET
DeleteCostcodelevel	/Cost Management/CostCode.svc/DeleteCostcodelevel	Array of Ids	POST
DeleteCostcodelevelDetails	/Cost Management/CostCode.svc/DeleteCostcodelevelDetails	Array of Ids	POST

DeleteCostcodeDetails	/Cost Management/CostCode.svc/DeleteCostcodeDetails	Array of Ids	POST
UpdateCostcodes	/Cost Management/CostCode.svc/UpdateCostcodes	N/A	POST
UpdateCostcodeDetails	/Cost Management/CostCode.svc/UpdateCostcodeDetails	N/A	POST
UpdateCostcode	/Cost Management/CostCode.svc/UpdateCostcode	N/A	POST
CostLedger			
GetCostLedgerDetails	/Cost Management/CostLedger.svc/GetCostLedgerDetails	GetCostLedgerDetails?ProjectNumber={ProjectNumber}&CostCode={CostCode}&WorksheetColumn={WorksheetColumn}&Status={Status}&WorkflowStatus={WorkflowStatus}&Document={Document}&DocumentType={DocumentType}&Period={Period}&FromDate={FromDate}&ToDate={ToDate}&Notes={Notes}&LastUpdateDate={LastUpdateDate}	GET
AddCostledgers	/Cost Management/CostLedger.svc/AddCostledgers	N/A	POST
UpdateCostledgers	/Cost Management/CostLedger.svc/UpdateCostledgers	N/A	POST
DeleteCostLedgerDetails	/Cost Management/CostLedger.svc/DeleteCostLedgerDetails	Array of Ids	POST
CostLedgerConverted			
GetCostLedgerConverted	/Cost Management/CostLedgerConverted.svc/GetCostLedgerConverted	GetCostLedgerConverted?ProjectNumber={ProjectNumber}&CostCode={CostCode}&WorksheetColumn={WorksheetColumn}&Status={Status}&WorkflowStatus={WorkflowStatus}&Document={Document}&DocumentType={DocumentType}&Period={Period}&FromDate={FromDate}&ToDate={ToDate}&Notes={Notes}&LastUpdateDate={LastUpdateDate}	GET
JournalEntries			
AddJournalEntries	/Cost Management/JournalEntries.svc/AddJournalEntries	N/A	POST
AddJournalEntryDetails	/Cost Management/JournalEntries.svc/AddJournalEntryDetails	N/A	POST
UpdateJournalEntries	/Cost Management/JournalEntries.svc/UpdateJournalEntries	N/A	POST
UpdateJournalEntryDetails	/Cost Management/JournalEntries.svc/UpdateJournalEntryDetails	N/A	POST
GetJournalEntryById	/Cost Management/JournalEntries.svc/GetJournalEntryById	JournalEntryId	GET
GetJournalEntriesList	/Cost Management/JournalEntries.svc/GetJournalEntriesList	N/A	GET

GetJournalEntriesByIds	/Cost Management/JournalEntries.svc/GetJournalEntriesByIds	Array of Ids	POST
GetJournalEntries	/Cost Management/JournalEntries.svc/GetJournalEntries	GetJournalEntries?RecordNumber={RecordNumber}&Description={Description}&ProjectNumber={ProjectNumber}&ProjectName={ProjectName}&ProgramCode={ProgramCode}&ProgramName={ProgramName}&Reference={Reference}&Category={Category}&Type={Type}&LastUpdateDate={LastUpdateDate}&Status={Status}	GET
DeleteJournalEntries	/Cost Management/JournalEntries.svc/DeleteJournalEntries	Array of Ids	POST
DeleteJournalEntryDetails	/Cost Management/JournalEntries.svc/DeleteJournalEntryDetails	Array of Ids	POST
MiscellaneousInvoices			
AddMiscInvoices	/Cost Management/MiscellaneousInvoices.svc/AddMiscInvoices	N/A	POST
AddMiscInvoiceDetails	/Cost Management/MiscellaneousInvoices.svc/AddMiscInvoiceDetails	N/A	POST
UpdateMiscInvoices	/Cost Management/MiscellaneousInvoices.svc/UpdateMiscInvoices	N/A	POST
UpdateMiscInvoiceDetails	/Cost Management/MiscellaneousInvoices.svc/UpdateMiscInvoiceDetails	N/A	POST
GetMiscInvoiceById	/Cost Management/MiscellaneousInvoices.svc/GetMiscInvoiceById	MiscId	GET
GetMiscInvoicesList	/Cost Management/MiscellaneousInvoices.svc/GetMiscInvoicesList	N/A	GET
GetMiscInvoicesByIds	/Cost Management/MiscellaneousInvoices.svc/GetMiscInvoicesByIds	Array of Ids	POST
GetMiscInvoices	/Cost Management/MiscellaneousInvoices.svc/GetMiscInvoices	GetMiscInvoices?MiscInvoiceNumber={MiscInvoiceNumber}&Description={Description}&ProjectNumber={ProjectNumber}&ProjectName={ProjectName}&ProgramCode={ProgramCode}&ProgramName={ProgramName}&CompanyName={CompanyName}&Category={Category}&Period={Period}&Reference={Reference}&LastUpdateDate={LastUpdateDate}&InvoiceDueDate={InvoiceDueDate}&Status={Status}&IncludeProjectInactive={IncludeProjectInactive}	GET
DeleteMiscInvoices	/Cost Management/MiscellaneousInvoices.svc/DeleteMiscInvoices	Array of Ids	POST
DeleteMiscInvoiceDetails	/Cost Management/MiscellaneousInvoices.svc/DeleteMiscInvoiceDetails	Array of Ids	POST
ProgressInvoices			
GetProgressInvoiceById	/Cost Management/ProgressInvoices.svc/GetProgressInvoiceById	ProgressInvoiceId	GET

GetProgressInvoicesList	/Cost Management/ProgressInvoices.svc/GetProgressInvoicesList	N/A	GET
GetProgressInvoicesByIds	/Cost Management/ProgressInvoices.svc/GetProgressInvoicesByIds	Array of Ids	POST
GetProgressInvoices	/Cost Management/ProgressInvoices.svc/GetProgressInvoices	N/A	GET
AddProgressInvoice	/Cost Management/ProgressInvoices.svc/AddProgressInvoice	N/A	POST
LinkChangeOrders	/Cost Management/ProgressInvoices.svc/LinkChangeOrders		POST
UpdateProgressInvoices	/Cost Management/ProgressInvoices.svc/UpdateProgressInvoices	N/A	POST
UpdateProgressInvoiceDetails	/Cost Management/ProgressInvoices.svc/UpdateProgressInvoiceDetails	N/A	POST
DeleteProgressInvoices	/Cost Management/ProgressInvoices.svc/DeleteProgressInvoices	Array of Ids	POST
DeleteProgressInvoiceDetails	/Cost Management/ProgressInvoices.svc/DeleteProgressInvoiceDetails	Array of Ids	POST
CreateNextProgressInvoice	/Cost Management/ProgressInvoices.svc/CreateNextProgressInvoice	ProgressInvoiceId/CommitmentId	GET
EngineeringForms			
ActionItems			
GetActionItemById	/EngineeringForms/ActionItems.svc/GetActionItemById	ActionItemId	GET
GetActionItemlist	/EngineeringForms/ActionItems.svc/GetActionItemlist	N/A	GET
GetActionItemByIds	/EngineeringForms/ActionItems.svc/GetActionItemByIds	Array of Ids	POST
GetActionItems	/EngineeringForms/ActionItems.svc/GetActionItems	GetActionItems?DocumentNumber={DocumentNumber}&Description={Description}&ProjectNumber={ProjectNumber}&ProjectName={ProjectName}&Category={Category}&Reference={Reference}&LastUpdateDate={LastUpdateDate}&Status={Status}	GET
AddActionItems	/EngineeringForms/ActionItems.svc/AddActionItems	N/A	POST
AddActionItemsDetails	/EngineeringForms/ActionItems.svc/AddActionItemsDetails	N/A	POST
UpdateActionItems	/EngineeringForms/ActionItems.svc/UpdateActionItems	N/A	POST
UpdateActionItemDetails	/EngineeringForms/ActionItems.svc/UpdateActionItemDetails	N/A	POST
DeleteActionItems	/EngineeringForms/ActionItems.svc/DeleteActionItems	Array of Ids	POST
DeleteActionItemDetails	/EngineeringForms/ActionItems.svc/DeleteActionItemDetails	Array of Ids	POST
GenerateTransmittal	/EngineeringForms/ActionItems.svc/GenerateTransmittal	N/A	GET
Correspondence			
GetCorrespondenceById	/EngineeringForms/Correspondence.svc/GetCorrespondenceById	CorrespondenceId	GET
GetCorrespondencelist	/EngineeringForms/Correspondence.svc/GetCorrespondencelist	N/A	GET

GetCorrespondenceByIds	/EngineeringForms/Correspondence.svc/GetCorrespondenceByIds	Array of Ids	POST
GetCorrespondences	/EngineeringForms/Correspondence.svc/GetCorrespondences	GetCorrespondences?DocumentNumber={DocumentNumber}&Description={Description}&ProjectNumber={ProjectNumber}&ProjectName={ProjectName}&Category={Category}&Reference={Reference}&LastUpdateDate={LastUpdateDate}&Status={Status}	GET
AddCorrespondences	/EngineeringForms/Correspondence.svc/AddCorrespondences	N/A	POST
UpdateCorrespondences	/EngineeringForms/Correspondence.svc/UpdateCorrespondences	N/A	POST
DeleteCorrespondences	/EngineeringForms/Correspondence.svc/DeleteCorrespondences	Array of Ids	POST
DailyReports			
AddDailyReports	/EngineeringForms/DailyReports.svc/AddDailyReports	N/A	POST
AddDailyReportDetails	/EngineeringForms/DailyReports.svc/AddDailyReportDetails	N/A	POST
AddDailyReportIncidents	/EngineeringForms/DailyReports.svc/AddDailyReportIncidents	N/A	POST
UpdateDailyReports	/EngineeringForms/DailyReports.svc/UpdateDailyReports	N/A	POST
UpdateDailyReportDetails	/EngineeringForms/DailyReports.svc/UpdateDailyReportDetails	N/A	POST
UpdateDailyReportIncidents	/EngineeringForms/DailyReports.svc/UpdateDailyReportIncidents	N/A	POST
GetDailyReportById	/EngineeringForms/DailyReports.svc/GetDailyReportById	DailyReportId	GET
GetDailyReportsList	/EngineeringForms/DailyReports.svc/GetDailyReportsList	N/A	GET
GetDailyReportsByIds	/EngineeringForms/DailyReports.svc/GetDailyReportsByIds	Array of Ids	POST
GetDailyReports	/EngineeringForms/DailyReports.svc/GetDailyReports	GetDailyReports?DailyReportNumber={DailyReportNumber}&Description={Description}&ProjectNumber={ProjectNumber}&ProjectName={ProjectName}&Category={Category}&Reference={Reference}&LastUpdateDate={LastUpdateDate}&Status={Status}	GET
DeleteDailyReports	/EngineeringForms/DailyReports.svc/DeleteDailyReports	Array of Ids	POST
DeleteDailyReportDetails	/EngineeringForms/DailyReports.svc/DeleteDailyReportDetails	Array of Ids	POST
DeleteDailyReportIncidents	/EngineeringForms/DailyReports.svc/DeleteDailyReportIncidents	Array of Ids	POST
DrawingLists			
GetDrawingListById	/EngineeringForms/DrawingLists.svc/GetDrawingListById	DrawingListId	GET
GetDrawingListByIds	/EngineeringForms/DrawingLists.svc/GetDrawingListByIds	Array of Ids	POST
GetDrawingList_List	/EngineeringForms/DrawingLists.svc/GetDrawingList_List	N/A	GET
GetDrawingLists	/EngineeringForms/DrawingLists.svc/GetDrawingLists	N/A	GET
AddDrawingLists	/EngineeringForms/DrawingLists.svc/AddDrawingLists	N/A	POST
AddDrawingListsDetails	/EngineeringForms/DrawingLists.svc/AddDrawingListsDetails	N/A	POST
UpdateDrawingLists	/EngineeringForms/DrawingLists.svc/UpdateDrawingLists	N/A	POST

UpdateDrawingListsDetails	/EngineeringForms/DrawingLists.svc/ UpdateDrawingListsDetails	N/A	POST
DeleteDrawingList	/EngineeringForms/DrawingLists.svc/ DeleteDrawingList	Array of Ids	POST
DeleteDrawingListsDetails	/EngineeringForms/DrawingLists.svc/ DeleteDrawingListsDetails	Array of Ids	POST
GenerateTransmittals	/EngineeringForms/DrawingLists.svc/ GenerateTransmittals	DrawingListId	GET
DrawingSets			
GetDrawingSetById	/EngineeringForms/DrawingSets.svc/ GetDrawingSetById	DrawingSetID	GET
GetDrawingSetslist	/EngineeringForms/DrawingSets.svc/ GetDrawingSetslist	N/A	GET
GetDrawingSetsByIds	/EngineeringForms/DrawingSets.svc/ GetDrawingSetsByIds	Array of Ids	POST
GetDrawingSets	/EngineeringForms/DrawingSets.svc/ GetDrawingSets	GetDrawingSets?DocumentNumber={ DocumentNumber}&Description={ Description}&ProjectNumber={Proje ctNumber}&ProjectName={ProjectN ame}&Category={Category}&Refere nce={Reference}&LastUpdateDate={ LastUpdateDate}&Status={Status}	GET
DeleteDrawingSets	/EngineeringForms/DrawingSets.svc/ DeleteDrawingSets	Array of Ids	POST
DeleteDrawingSetsDetails	/EngineeringForms/DrawingSets.svc/ DeleteDrawingSetsDetails	Array of Ids	POST
AddDrawingSets	/EngineeringForms/DrawingSets.svc/ AddDrawingSets	N/A	POST
AddDrawingSetsDetails	/EngineeringForms/DrawingSets.svc/ AddDrawingSetsDetails	N/A	POST
UpdateDrawingSets	/EngineeringForms/DrawingSets.svc/ UpdateDrawingSets	N/A	POST
UpdateDrawingSetsDetails	/EngineeringForms/DrawingSets.svc/ UpdateDrawingSetsDetails	N/A	POST
GenerateTransmittals	/EngineeringForms/DrawingSets.svc/ GenerateTransmittals	N/A	POST
MeetingMinutes			
AddMeetingMinutes	/EngineeringForms/MeetingMinutes.s vc/AddMeetingMinutes		POST
AddMeetingMinutesDetails	/EngineeringForms/MeetingMinutes.s vc/AddMeetingMinutesDetails		POST
UpdateMeetingMinutes	/EngineeringForms/MeetingMinutes.s vc/UpdateMeetingMinutes		POST
UpdateMeetingMinutesDetails	/EngineeringForms/MeetingMinutes.s vc/UpdateMeetingMinutesDetails		POST
GetMeetingMinutesById	/EngineeringForms/MeetingMinutes.s vc/GetMeetingMinutesById	MeetingMinutesId	GET
GetMeetingMinutesList	/EngineeringForms/MeetingMinutes.s vc/GetMeetingMinutesList		GET
GetMeetingMinutesByIds	/EngineeringForms/MeetingMinutes.s vc/GetMeetingMinutesByIds		POST
GetMeetingMinutes	/EngineeringForms/MeetingMinutes.s vc/GetMeetingMinutes	GetMeetingMinutes?RecordNumber={ RecordNumber}&Description={Des cription}&ProjectNumber={ProjectN umber}&ProjectName={ProjectName &Category={Category}&Reference ={Reference}&Type={Type}&LastU pdateDate={LastUpdateDate}&Status ={Status}	GET
DeleteMeetingMinutes	/EngineeringForms/MeetingMinutes.s vc/DeleteMeetingMinutes		POST
DeleteMeetingMinutesDetails	/EngineeringForms/MeetingMinutes.s vc/DeleteMeetingMinutesDetails		POST

GenerateTransmittal	/EngineeringForms/MeetingMinutes.svc/GenerateTransmittal	MeetingMinutesId	GET
OnlineSubmittals			
GetOnlineSubmittalById	/EngineeringForms/OnlineSubmittals.svc/GetOnlineSubmittalById	OnlineSubmittalId	GET
GetOnlineSubmittalsList	/EngineeringForms/OnlineSubmittals.svc/GetOnlineSubmittalsList	N/A	GET
GetOnlineSubmittalsByIds	/EngineeringForms/OnlineSubmittals.svc/GetOnlineSubmittalsByIds	Array of Ids	POST
GetOnlineSubmittals	/EngineeringForms/OnlineSubmittals.svc/GetOnlineSubmittals	GetOnlineSubmittals?SubmittalID={SubmittalID}&Description={Description}&ProjectNumber={ProjectNumber}&ProjectName={ProjectName}&Category={Category}&Reference={Reference}&Status={Status}	GET
AddOnlineSubmittals	/EngineeringForms/OnlineSubmittals.svc/AddOnlineSubmittals	N/A	POST
AddOnlineSubmittalDetails	/EngineeringForms/OnlineSubmittals.svc/AddOnlineSubmittalDetails	N/A	POST
UpdateOnlineSubmittals	/EngineeringForms/OnlineSubmittals.svc/UpdateOnlineSubmittals	N/A	POST
UpdateOnlineSubmittalDetails	/EngineeringForms/OnlineSubmittals.svc/UpdateOnlineSubmittalDetails	N/A	POST
DeleteOnlineSubmittals	/EngineeringForms/OnlineSubmittals.svc/DeleteOnlineSubmittals	Array of Ids	POST
DeleteOnlineSubmittalDetails	/EngineeringForms/OnlineSubmittals.svc/DeleteOnlineSubmittalDetails	Array of Ids	POST
GenerateTransmittal	/EngineeringForms/OnlineSubmittals.svc/GenerateTransmittal	SubmittalID	GET
PunchList			
GetPunchListById	/EngineeringForms/PunchList.svc/GetPunchListById	PunchListId	GET
GetPunchListslist	/EngineeringForms/PunchList.svc/GetPunchListslist	N/A	GET
GetPunchListsByIds	/EngineeringForms/PunchList.svc/GetPunchListsByIds	Array of Ids	POST
GetPunchList	/EngineeringForms/PunchList.svc/GetPunchList	GetPunchList?Description={Description}&ProjectNumber={ProjectNumber}&ProjectName={ProjectName}&DocumentNumber={DocumentNumber}&Category={Category}&Reference={Reference}&LastUpdateDate={LastUpdateDate}&Status={Status}	GET
AddPunchLists	/EngineeringForms/PunchList.svc/AddPunchLists	N/A	POST
AddPunchListDetails	/EngineeringForms/PunchList.svc/AddPunchListDetails	N/A	POST
UpdatePunchLists	/EngineeringForms/PunchList.svc/UpdatePunchLists	N/A	POST
UpdatePunchListDetails	/EngineeringForms/PunchList.svc/UpdatePunchListDetails	N/A	POST
DeletePunchLists	/EngineeringForms/PunchList.svc/DeletePunchLists	Array of Ids	POST
DeletePunchListDetails	/EngineeringForms/PunchList.svc/DeletePunchListDetails	Array of Ids	POST
RFI			
GetRFIById	/EngineeringForms/RFI.svc/GetRFIById	RFIId	GET
GetRFIByIds	/EngineeringForms/RFI.svc/GetRFIByIds	Array of Ids	POST
GetRFIList	/EngineeringForms/RFI.svc/GetRFIList	N/A	GET
GetRFIs	/EngineeringForms/RFI.svc/GetRFIs	GetRFIs?RFINumber={RFINumber}&Description={Description}&Project	GET

		Number={ProjectNumber}&ProjectName={ProjectName}&PhaseDescription={PhaseDescription}&PhaseName={PhaseName}&WBSCode={WBSCode}&WBSName={WBSName}&Category={Category}&Status={Status}&FromCompanyCode={FromCompanyCode}&FromContactCode={FromContactCode}&ToCompanyCode={ToCompanyCode}&ToContactCode={ToContactCode}&LastUpdateDate={LastUpdateDate}&Reference={Reference}	
AddRFIs	/EngineeringForms/RFI.svc/AddRFIs	N/A	POST
UpdateRFIs	/EngineeringForms/RFI.svc/UpdateRFIs	N/A	POST
DeleteRFIs	/EngineeringForms/RFI.svc/DeleteRFIs	Array of Ids	POST
SafetyForms			
AddSafetyForms	/EngineeringForms/SafetyForms.svc/AddSafetyForms	N/A	POST
AddSafetyFormsCauses	/EngineeringForms/SafetyForms.svc/AddSafetyFormsCauses	N/A	POST
AddSafetyFormsWitnesses	/EngineeringForms/SafetyForms.svc/AddSafetyFormsWitnesses	N/A	POST
AddSafetyFormsPeopleInvolved	/EngineeringForms/SafetyForms.svc/AddSafetyFormsPeopleInvolved	N/A	POST
UpdateSafetyForms	/EngineeringForms/SafetyForms.svc/UpdateSafetyForms	N/A	POST
UpdateSafetyFormsCauses	/EngineeringForms/SafetyForms.svc/UpdateSafetyFormsCauses	N/A	POST
UpdateSafetyFormsWitnesses	/EngineeringForms/SafetyForms.svc/UpdateSafetyFormsWitnesses	N/A	POST
UpdateSafetyFormsPeopleInvolved	/EngineeringForms/SafetyForms.svc/UpdateSafetyFormsPeopleInvolved	N/A	POST
GetSafetyFormById	/EngineeringForms/SafetyForms.svc/GetSafetyFormById	SafetyFormId	GET
GetSafetyFormsList	/EngineeringForms/SafetyForms.svc/GetSafetyFormsList	N/A	GET
GetSafetyFormsByIds	/EngineeringForms/SafetyForms.svc/GetSafetyFormsByIds	Array of Ids	POST
GetSafetyForms	/EngineeringForms/SafetyForms.svc/GetSafetyForms	GetSafetyForms?DocumentNumber={DocumentNumber}&Description={Description}&ProjectNumber={ProjectNumber}&ProjectName={ProjectName}&Reference={Reference}&status={status}&LastUpdateDate={LastUpdateDate}	GET
DeleteSafetyForms	/EngineeringForms/SafetyForms.svc/DeleteSafetyForms	Array of Ids	POST
DeleteSafetyFormsCauses	/EngineeringForms/SafetyForms.svc/DeleteSafetyFormsCauses	Array of Ids	POST
DeleteSafetyFormsWitnesses	/EngineeringForms/SafetyForms.svc/DeleteSafetyFormsWitnesses	Array of Ids	POST
DeleteSafetyFormsPeopleInvolved	/EngineeringForms/SafetyForms.svc/DeleteSafetyFormsPeopleInvolved	Array of Ids	POST
SubmittalItems			
AddSubmittalItems	/EngineeringForms/SubmittalItems.svc/AddSubmittalItems	N/A	POST
UpdateSubmittalItems	/EngineeringForms/SubmittalItems.svc/UpdateSubmittalItems	N/A	POST
GetSubmittalItemById	/EngineeringForms/SubmittalItems.svc/GetSubmittalItemById	SubmittalItemId	GET

GetSubmittalItemsList	/EngineeringForms/SubmittalItems.svc/ /GetSubmittalItemsList	N/A	GET
GetSubmittalItemsByIds	/EngineeringForms/SubmittalItems.svc/ /GetSubmittalItemsByIds	Array of Ids	POST
GetSubmittalItems	/EngineeringForms/SubmittalItems.svc/ /GetSubmittalItems	GetSubmittalItems?RecordNumber={ RecordNumber}&Description={Desc ription}&ProjectNumber={ProjectNu mber}&ProjectName={ProjectName} &WBSName={WBSName}&Compa nyName={CompanyName}&LastUp dateDate={LastUpdateDate}&Status= {Status}	GET
DeleteSubmittalItems	/EngineeringForms/SubmittalItems.svc/ /DeleteSubmittalItems	Array of Ids	POST
SubmittalSets			
AddSubmittalSets	/EngineeringForms/SubmittaSets.svc/ AddSubmittalSets	N/A	POST
AddSubmittalSetDetails	/EngineeringForms/SubmittaSets.svc/ AddSubmittalSetDetails	N/A	POST
UpdateSubmittalSets	/EngineeringForms/SubmittaSets.svc/ UpdateSubmittalSets	N/A	POST
UpdateSubmittalSetDetails	/EngineeringForms/SubmittaSets.svc/ UpdateSubmittalSetDetails	N/A	POST
GetSubmittalSetById	/EngineeringForms/SubmittaSets.svc/ GetSubmittalSetById	SubmittalSetId	GET
GetSubmittalSetsList	/EngineeringForms/SubmittaSets.svc/ GetSubmittalSetsList	N/A	GET
GetSubmittalSetsByIds	/EngineeringForms/SubmittaSets.svc/ GetSubmittalSetsByIds	Array of Ids	POST
GetSubmittalSets	/EngineeringForms/SubmittaSets.svc/ GetSubmittalSets	GetSubmittalSets?RecordNumber={R ecordNumber}&Description={Descri ption}&ProjectNumber={ProjectNum ber}&ProjectName={ProjectName}& Category={Category}&Reference={ Reference}&LastUpdateDate={LastU pdateDate}&Status={Status}	GET
DeleteSubmittalSets	/EngineeringForms/SubmittaSets.svc/ DeleteSubmittalSets	Array of Ids	POST
DeleteSubmittalSetDetails	/EngineeringForms/SubmittaSets.svc/ DeleteSubmittalSetDetails	Array of Ids	POST
GenerateTransmittals	/EngineeringForms/SubmittaSets.svc/ GenerateTransmittals	Array of Ids	POST
Transmittals			
AddTransmittals	/EngineeringForms/Transmittals.svc/ AddTransmittals	N/A	POST
AddtransmittalDetails	/EngineeringForms/Transmittals.svc/ AddtransmittalDetails	N/A	POST
UpdateTransmittals	/EngineeringForms/Transmittals.svc/ UpdateTransmittals	N/A	POST
UpdateTransmittalDetails	/EngineeringForms/Transmittals.svc/ UpdateTransmittalDetails	N/A	POST
GetTransmittalById	/EngineeringForms/Transmittals.svc/ GetTransmittalById	TransmittalId	GET
GetTransmittalsList	/EngineeringForms/Transmittals.svc/ GetTransmittalsList	N/A	GET
GetTransmittalsByIds	/EngineeringForms/Transmittals.svc/ GetTransmittalsByIds	Array of Ids	POST
GetTransmittals	/EngineeringForms/Transmittals.svc/ GetTransmittals	GetTransmittals?RecordNumber={Re cordNumber}&Description={Descrip tion}&ProjectNumber={ProjectNum ber}&ProjectName={ProjectName}& Reference={Reference}&Category={ Category}&LastUpdateDate={LastU pdateDate}&Status={Status}	GET

DeleteTransmittals	/EngineeringForms/Transmittals.svc/ DeleteTransmittals	Array of Ids	POST
DeleteTransmittalDetails	/EngineeringForms/Transmittals.svc/ DeleteTransmittalDetails	Array of Ids	POST
Planning			
Items			
GetItemById	/Planning/Items.svc/GetItemById	ItemId	GET
GetItemsList	/Planning/Items.svc/GetItemsList	N/A	GET
GetItemsByIds	/Planning/Items.svc/GetItemsByIds	Array of Ids	POST
GetItems	/Planning/Items.svc/GetItems	GetItems?ItemId={ItemId}&Description={Description}&GroupItem={GroupItem}&ManufacturerNumber={ManufacturerNumber}&LastUpdateDate={LastUpdateDate}	GET
AddItems	/Planning/Items.svc/AddItems	N/A	POST
UpdateItems	/Planning/Items.svc/UpdateItems	N/A	POST
DeleteItems	/Planning/Items.svc/DeleteItems	Array of Ids	POST
AddUpdateItems	/Planning/Items.svc/AddUpdateItems	N/A	POST
Portfolio			
AdvancedPMWebLists			
GetAccountListItemById	/Portfolio/AdvancedPMWebLists.svc/ GetAccountListItemById	AccountListItemId	GET
GetAccountListItemList	/Portfolio/AdvancedPMWebLists.svc/ GetAccountListItemList	N/A	GET
GetAccountListItemByIds	/Portfolio/AdvancedPMWebLists.svc/ GetAccountListItemByIds	Array of Ids	POST
GetAccountListItems	/Portfolio/AdvancedPMWebLists.svc/ GetAccountListItems	GetAccountListItems?Code={Code}&Description={Description}&IsActive={IsActive}	GET
AddAccountListItems	/Portfolio/AdvancedPMWebLists.svc/ AddAccountListItems	N/A	POST
AddAccountListItem	/Portfolio/AdvancedPMWebLists.svc/ AddAccountListItem	N/A	POST
UpdateAccountListItems	/Portfolio/AdvancedPMWebLists.svc/ UpdateAccountListItems	N/A	POST
UpdateAccountListItem	/Portfolio/AdvancedPMWebLists.svc/ UpdateAccountListItem	N/A	POST
DeleteAccountListItem	/Portfolio/AdvancedPMWebLists.svc/ DeleteAccountListItem	Array of Ids	POST
GetBillingTermsListItemById	/Portfolio/AdvancedPMWebLists.svc/ GetBillingTermsListItemById	BillingTermsListItem	GET
GetBillingTermsListItemList	/Portfolio/AdvancedPMWebLists.svc/ GetBillingTermsListItemList	N/A	GET
GetBillingTermsListItemByIds	/Portfolio/AdvancedPMWebLists.svc/ GetBillingTermsListItemByIds	Array of Ids	POST
GetBillingTerms	/Portfolio/AdvancedPMWebLists.svc/ GetBillingTerms	GetBillingTerms?Terms={Terms}&UnitName={UnitName}&Inactive={Inactive}	GET
AddBillingTermsListItems	/Portfolio/AdvancedPMWebLists.svc/ AddBillingTermsListItems	N/A	POST
AddBillingTermsListItem	/Portfolio/AdvancedPMWebLists.svc/ AddBillingTermsListItem	N/A	POST
UpdateBillingTermsListItems	/Portfolio/AdvancedPMWebLists.svc/ UpdateBillingTermsListItems	N/A	POST
UpdateBillingTermsListItem	/Portfolio/AdvancedPMWebLists.svc/ UpdateBillingTermsListItem	N/A	POST
DeleteBillingTermsListItem	/Portfolio/AdvancedPMWebLists.svc/ DeleteBillingTermsListItem	Array of Ids	POST
GetCausesListItems	/Portfolio/AdvancedPMWebLists.svc/ GetCausesListItems	RecordType/ListType	GET
AddClausesListItems	/Portfolio/AdvancedPMWebLists.svc/ AddClausesListItems	N/A	POST

AddClausesListItem	/Portfolio/AdvancedPMWebLists.svc/AddClausesListItem	N/A	POST
AddClausesLists	/Portfolio/AdvancedPMWebLists.svc/AddClausesLists	N/A	POST
AddClausesList	/Portfolio/AdvancedPMWebLists.svc/AddClausesList	N/A	POST
UpdateClausesListItems	/Portfolio/AdvancedPMWebLists.svc/UpdateClausesListItems	N/A	POST
UpdateClausesListItem	/Portfolio/AdvancedPMWebLists.svc/UpdateClausesListItem	N/A	POST
UpdateClausesLists	/Portfolio/AdvancedPMWebLists.svc/UpdateClausesLists	N/A	POST
UpdateClausesList	/Portfolio/AdvancedPMWebLists.svc/UpdateClausesList	N/A	POST
DeleteClausesListItem	/Portfolio/AdvancedPMWebLists.svc/DeleteClausesListItem	Id/ListType	GET
Companies			
AddCompanies	/Portfolio/Companies.svc/AddCompanies	N/A	POST
AddCompany	/Portfolio/Companies.svc/AddCompany	N/A	POST
AddContacts	/Portfolio/Companies.svc/AddContacts	N/A	POST
AddAddresses	/Portfolio/Companies.svc/AddAddresses	N/A	POST
AddDepartments	/Portfolio/Companies.svc/AddDepartments	N/A	POST
AddInsurances	/Portfolio/Companies.svc/AddInsurances	N/A	POST
UpdateCompanies	/Portfolio/Companies.svc/UpdateCompanies	N/A	POST
UpdateCompany	/Portfolio/Companies.svc/UpdateCompany	N/A	POST
GetCompanyById	/Portfolio/Companies.svc/GetCompanyById	CompanyId	GET
GetCompaniesList	/Portfolio/Companies.svc/GetCompaniesList	Array of Ids	GET
GetCompaniesByIds	/Portfolio/Companies.svc/GetCompaniesByIds	N/A	POST
GetCompanies	/Portfolio/Companies.svc/GetCompanies	GetCompanies?CompanyID={CompanyId}&CompanyName={CompanyName}&Type={Type}&Reference={Reference}&country={country}&billingTerms={billingTerms}&LastUpdateDate={LastUpdateDate}&MatchCompanyId={MatchCompanyId}	GET
DeleteCompanies	/Portfolio/Companies.svc/DeleteCompanies	Array of Ids	POST
DeleteAddresses	/Portfolio/Companies.svc/DeleteAddresses	Array of Ids	POST
DeleteContacts	/Portfolio/Companies.svc/DeleteContacts	Array of Ids	POST
DeleteDepartments	/Portfolio/Companies.svc/DeleteDepartments	Array of Ids	POST
DeleteInsurances	/Portfolio/Companies.svc/DeleteInsurances	Array of Ids	POST
Periods			
GetPeriodsByProject	/Portfolio/Periods.svc/GetPeriodsByProject	ProjectNumber	GET
AddPeriods	/Portfolio/Periods.svc/AddPeriods	N/A	POST
UpdatePeriods	/Portfolio/Periods.svc/UpdatePeriods	N/A	POST
DeletePeriods	/Portfolio/Periods.svc/DeletePeriods	Array of Ids	POST
GenerateNextPeriod	/Portfolio/Periods.svc/GenerateNextPeriod	ProjectNumber	GET

PMWebLists			
AddLists	/Portfolio/PMWebLists.svc/AddLists	N/A	POST
AddList	/Portfolio/PMWebLists.svc/AddList	N/A	POST
AddListItems	/Portfolio/PMWebLists.svc/AddListItems	N/A	POST
UpdateLists	/Portfolio/PMWebLists.svc/UpdateLists	N/A	POST
UpdateList	/Portfolio/PMWebLists.svc/UpdateList	N/A	POST
UpdateListItems	/Portfolio/PMWebLists.svc/UpdateListItems	N/A	POST
DeleteLists	/Portfolio/PMWebLists.svc/DeleteLists	Array of Ids	POST
DeleteListItems	/Portfolio/PMWebLists.svc/DeleteListItems	Array of Ids	POST
GetAllLists	/Portfolio/PMWebLists.svc/GetAllLists	N/A	GET
GetAllListsWithItems	/Portfolio/PMWebLists.svc/GetAllListsWithItems	IncludeInactive	GET
GetListsByIds	/Portfolio/PMWebLists.svc/GetListsByIds	Array of Ids	POST
GetLists	/Portfolio/PMWebLists.svc/GetLists	IncludeInactive/IsActive/DisplayName	GET
Programs			
GetProgramById	/Portfolio/Programs.svc/GetProgramById	ProgramId	GET
GetProgramsList	/Portfolio/Programs.svc/GetProgramsList	N/A	GET
GetProgramsByIds	/Portfolio/Programs.svc/GetProgramsByIds	Array of Ids	POST
GetPrograms	/Portfolio/Programs.svc/GetPrograms	GetPrograms?ProgramName={ProgramName}&ProgramNumber={ProgramNumber}&ProgramStatus={ProgramStatus}&ProgramType={ProgramType}&ProgramManager={ProgramManager}&ProgramManagerCompanyName={ProgramManagerCompanyName}&ProgramManagerCompanyCode={ProgramManagerCompanyCode}&ProgramDirector={ProgramDirector}&LastUpdateDate={LastUpdateDate}	GET
AddPrograms	/Portfolio/Programs.svc/AddPrograms	N/A	POST
UpdatePrograms	/Portfolio/Programs.svc/UpdatePrograms	N/A	POST
DeletePrograms	/Portfolio/Programs.svc/DeletePrograms	Array of Ids	POST
Projects			
AddProjects	/Portfolio/Projects.svc/AddProjects	N/A	POST
UpdateProjects	/Portfolio/Projects.svc/UpdateProjects	N/A	POST
GetProjectById	/Portfolio/Projects.svc/GetProjectById	ProjectId	GET
GetProjectsList	/Portfolio/Projects.svc/GetProjectsList	N/A	GET
GetProjectsByIds	/Portfolio/Projects.svc/GetProjectsByIds	Array of Ids	POST
GetProjects	/Portfolio/Projects.svc/GetProjects	GetProjects?ProjectName={ProjectName}&DocumentNumber={DocumentNumber}&ProjectStatus={ProjectStatus}&Status={Status}&ProgramName={ProgramName}&ProgramCode={ProgramCode}&Type={Type}&Category={Category}&LocationName={LocationName}&LocationCode={LocationCode}	GET

		tionCode}&LastUpdateDate={LastUpdateDate}&PBSCode={PBSCode}&MatchDocumentNumber={MatchDocumentNumber}	
DeleteProjects	/Portfolio/Projects.svc/DeleteProjects	Array of Ids	POST
GetProjectWBS	/Portfolio/Projects.svc/GetProjectWBS	ProjectNumber	GET
GetProgramWBS	/Portfolio/Projects.svc/GetProgramWBS	ProgramNumber	GET
GetProjectRequisitionCode	/Portfolio/Projects.svc/GetProjectRequisitionCode	ProjectNumber	GET
GetProjectTasks	/Portfolio/Projects.svc/GetProjectTasks	ProjectNumber	GET
Settings			
GetProjectSettings	/Portfolio/Settings.svc/GetProjectSettings	EntityType/EntityCode	GET
GetLocationSettings	/Portfolio/Settings.svc/GetLocationSettings	EntityType/EntityCode	GET
Utilities			
GetSpecifications	/Portfolio/Utilities.svc/GetSpecifications	RecordId	GET
SaveSpecifications	/Portfolio/Utilities.svc/SaveSpecifications	N/A	POST
GetNotes	/Portfolio/Utilities.svc/GetNotes	{RecordId}/{SystemObjectType}	GET
AddNotes	/Portfolio/Utilities.svc/AddNotes	N/A	POST
UpdateNotes	/Portfolio/Utilities.svc/UpdateNotes	N/A	POST
DeleteNotes	/Portfolio/Utilities.svc/DeleteNotes	Array of Ids	POST
GetAttachments	/Portfolio/Utilities.svc/GetAttachments	{RecordId}/{SystemObjectType}	GET
AddAttachments	/Portfolio/Utilities.svc/AddAttachments	N/A	POST
DeleteAttachments	/Portfolio/Utilities.svc/DeleteAttachments	Array of Ids	POST
GetFileContent	/Portfolio/Utilities.svc/GetFileContent	FileGuid	GET
GetClauses	/Portfolio/Utilities.svc/GetClauses	{RecordId}/{SystemObjectType}	GET
AddClauses	/Portfolio/Utilities.svc/AddClauses	N/A	POST
UpdateClauses	/Portfolio/Utilities.svc/UpdateClauses	N/A	POST
DeleteClauses	/Portfolio/Utilities.svc/DeleteClauses	Array of Ids	POST
GetCheckLists	/Portfolio/Utilities.svc/GetCheckLists	{RecordId}/{SystemObjectType}	GET
AddCheckList	/Portfolio/Utilities.svc/AddCheckList	N/A	POST
UpdateCheckList	/Portfolio/Utilities.svc/UpdateCheckList	N/A	POST
AddCheckListTasks	/Portfolio/Utilities.svc/AddCheckListTasks	N/A	POST
AddCheckListSteps	/Portfolio/Utilities.svc/AddCheckListSteps	N/A	POST
UpdateCheckListTasks	/Portfolio/Utilities.svc/UpdateCheckListTasks	N/A	POST
UpdateCheckListSteps	/Portfolio/Utilities.svc/UpdateCheckListSteps	N/A	POST
DeleteCheckListTasks	/Portfolio/Utilities.svc/DeleteCheckListTasks	Array of Ids	POST
DeleteCheckListSteps	/Portfolio/Utilities.svc/DeleteCheckListSteps	Array of Ids	POST
CalculateAdjustments	/Portfolio/Utilities.svc/CalculateAdjustments	{RecordId}/{SystemObjectType}	POST
GetAdjustment	/Portfolio/Utilities.svc/GetAdjustment	{RecordId}/{SystemObjectType}	GET
AddAdjustment	/Portfolio/Utilities.svc/AddAdjustment	N/A	POST
UpdateAdjustment	/Portfolio/Utilities.svc/UpdateAdjustment	N/A	POST
DeleteAdjustment	/Portfolio/Utilities.svc/DeleteAdjustment	Array of Ids	POST

CheckAuthentication	/Portfolio/Utilities.svc/CheckAuthentication	N/A	GET
GetCurrencyRate	/Portfolio/Utilities.svc/GetCurrencyRate	{RecordId}/{SystemObjectType}	GET
SaveCurrencyRate	/Portfolio/Utilities.svc/SaveCurrencyRate	N/A	POST
Toolbox			
DocumentManager			
GetFileList	/Toolbox/DocumentManager.svc/GetFileList	ProjectNumber	GET
UploadFileToPMWeb	/Toolbox/DocumentManager.svc/UploadFileToPMWeb	N/A	POST
TimeSheets			
GetTimeSheetsList	/Toolbox/TimeSheets.svc/GetTimeSheetsList	N/A	GET
GetTimeSheets	/Toolbox/TimeSheets.svc/GetTimeSheets	GetTimeSheets?TimeSheetNumber={TimeSheetNumber}&ProjectNumber={ProjectNumber}&ProjectName={ProjectName}&ProgramNumber={ProgramNumber}&ProgramName={ProgramName}&Period={Period}&LastUpdateDate={LastUpdateDate}&Status={Status}	GET
GetTimeSheetById	/Toolbox/TimeSheets.svc/GetTimeSheetById	TimeSheetId	GET
GetTimeSheetByIds	/Toolbox/TimeSheets.svc/GetTimeSheetByIds	Array of Ids	POST
DeleteTimeSheets	/Toolbox/TimeSheets.svc/DeleteTimeSheets	Array of Ids	POST
DeleteTimeSheetsDetails	/Toolbox/TimeSheets.svc/DeleteTimeSheetsDetails	Array of Ids	POST
AddTimeSheets	/Toolbox/TimeSheets.svc/AddTimeSheets	N/A	POST
AddTimeSheetDetails	/Toolbox/TimeSheets.svc/AddTimeSheetDetails	N/A	POST
GenerateNextTimeSheet	/Toolbox/TimeSheets.svc/GenerateNextTimeSheet	TimeSheetId	GET
UpdateTimeSheetDetails	/Toolbox/TimeSheets.svc/UpdateTimeSheetDetails	N/A	POST
UpdateTimeSheetPostToNonCommitmentCost	/Toolbox/TimeSheets.svc/UpdateTimeSheetPostToNonCommitmentCost	{PostToNonCommitmentCost}/{TimeSheetId}/{ClientId}	GET
Workflow			
Workflow			
GetDocumentWorkflowInfo	/Workflow/Workflow.svc/GetDocumentWorkflowInfo	{RecordId}/{WorkflowRecordType}	GET
GetDocumentWorkflowLog	/Workflow/Workflow.svc/GetDocumentWorkflowLog	{RecordId}/{WorkflowRecordType}	GET
GetDocumentWorkflowStepActions	/Workflow/Workflow.svc/GetDocumentWorkflowStepActions	{RecordId}/{WorkflowRecordType}	GET
GetDocumentWorkflowCurrentStepApprovers	/Workflow/Workflow.svc/GetDocumentWorkflowCurrentStepApprovers	{RecordId}/{WorkflowRecordType}	GET
ExecuteWorkflowAction	/Workflow/Workflow.svc/ExecuteWorkflowAction	N/A	POST