



**P6 EPPM UN/CEFACT Import/Export Data Map Guide  
Version 20**

January 2020



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# About UN/CEFACT Import/Export Data Map Guide

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This guide details how data is mapped between P6 EPPM and UN/CEFACT format. Throughout this guide, the term P6 EPPM includes P6 Professional. Any content that applies to only one of these applications is labeled accordingly.

All users who want to exchange data between various formats should use this document.

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**Caution:** Personal information (PI) may be at risk of exposure. Depending on local data protection laws organizations may be responsible for mitigating any risk of exposure.

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## Data Mappings During Export

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### CostScheduleReportDocument

| P6 EPPM Field                 | UN/CEFACT Field   |
|-------------------------------|---|
| Calculated                    | CreationDateTime  |
| Calculated                    | SubmissionDateTime  |
| To be entered in the template | Description   |
| To be entered in the template | SecurityTypeCode  |
| To be entered in the template | ScheduleTypeCode  |
| To be entered in the template | EffectiveBasePeriod.BasePeriod.StartDate<br>Time  |
| To be entered in the template | EffectiveBasePeriod.BasePeriod.EndDate<br>Time  |
| To be entered in the template | OwnerProjectParty.ProjectParty.Name   |
| To be entered in the template | OwnerProjectParty.ProjectParty.Specified<br>ProjectOrganization.ProjectOrganization.B<br>usinessTypeCode. |

| <b>P6 EPPM Field</b>          | <b>UN/CEFACT Field</b>  |
|-------------------------------|---|
| To be entered in the template | OwnerProjectParty.ProjectParty.SpecifiedProjectOrganization.ProjectOrganization.ID  |
| To be entered in the template | OwnerProjectParty.ProjectParty.SpecifiedProjectOrganization.ProjectOrganization.DesignatedProjectContact.ProjectContact.JobTitle.JobTitle                       |
| To be entered in the template | OwnerProjectParty.ProjectParty.SpecifiedProjectOrganization.ProjectOrganization.DesignatedProjectContact.ProjectContact.PersonName                              |
| To be entered in the template | OwnerProjectParty.ProjectParty.SpecifiedProjectOrganization.ProjectOrganization.DesignatedProjectContact.ProjectContact.TelephoneTelecommunicationCommunication |
| To be entered in the template | OwnerProjectParty.ProjectParty.SpecifiedProjectOrganization.ProjectOrganization.DesignatedProjectContact.ProjectContact.URInternetCommunication                 |
| To be entered in the template | OwnerProjectParty.ProjectParty.SpecifiedProjectOrganization.ProjectOrganization.ProjectLocation.PostalUnstructuredAddress                                       |
| To be entered in the template | OwnerProjectParty.ProjectParty.SpecifiedProjectOrganization.ProjectOrganization.ProjectLocation.Name.   |

## ReportedHierarchicalStructure

| <b>P6 EPPM Field</b>                              | <b>UN/CEFACT Field</b> |
|---|------------------------|
| WBSObjectld, OBSObjectld, or ActivityCodeObjectld | ID                     |
| WBS Name, OBC Name, or Activity Code              | Description            |

| <b>P6 EPPM Field</b>  | <b>UN/CEFACT Field</b>   |
|---|--|
| Value   |  |
| WBS Name, OBS Description, or Activity Code Description                 | Description  |
| WBS, OBS  | TypeCode   |
| WBSObjectld, OBSObjectld, or ActivityCodeObjectld                       | ComponentReportingDataNode.ReportingDataNode.ID  |
| WBSParentObjectld, OBSParentObjectld, or ActivityCodeParentObjectld     | ComponentReportingDataNode.ReportingDataNode.ParentNoteID  |
| Root WBSObjectld, OBSObjectld, or ActivityCodeObjectld                  | ComponentReportingDataNode.ReportingDataNode.ID  |
| WBS Name, OBS Name, or Activity Code Value                              | ComponentReportingDataNode.ReportingDataNode.Name  |
| WBS Code+Name, OBS Description, or Activity Code Description            | ComponentReportingDataNode.ReportingDataNode.Description   |
| Calculated  | ComponentReportingDataNode.ReportingDataNode.HierarchicalLevelNumeric  |
| WBS Sequence Number, OBS Sequence Number, Activity Code Sequence Number | ComponentReportingDataNode.ReportingDataNode.SequenceNumeric   |
| WBSObjectld, OBSObjectld, or ActivityCodeObjectld                       | ComponentReportingDataNode.ReportingDataNode.SubordinateReportingDataNode.SubordinateReportingDataNode.ID              |
| WBSParentObjectld, OBSParentObjectld, or ActivityCodeParentObjectld     | ComponentReportingDataNode.ReportingDataNode.SubordinateReportingDataNode.SubordinateReportingDataNode.ParentNoteID    |
| Root WBSObjectld, OBSObjectld, or ActivityCodeObjectld                  | ComponentReportingDataNode.ReportingDataNode.SubordinateReportingDataNode.SubordinateReportingDataNode.DataStructureID |
| WBS Name, OBS Name, or Activity Code Value                              | ComponentReportingDataNode.ReportingDataNode, SubordinateReportingDataNode.SubordinateReportingDataNode.Name           |

| <b>P6 EPPM Field</b>   | <b>UN/CEFACT Field</b>   |
|--|--|
| WBS Code+Name<br>OBS Description, Activity Code Description                      | ComponentReportingDataNode.ReportingDataNode.SubordinateReportingDataNode.SubordinateReportingDataNode.Description.  |
| Calculated   | ComponentReportingDataNode.ReportingDataNode.SubordinateReportingDataNode.SubordinateReportingDataNode.SubordinateReportingDataNode.HierarchicalLevelNumeric |
| WBS Sequence Number,<br>OBS Sequence Number, or<br>Activity Code Sequence Number | ComponentReportingDataNode.ReportingDataNode.SubordinateReportingDataNode.SubordinateReportingDataNode.SequenceNumeric                                       |

## Project Resources

| <b>P6 EPPM Field</b> | <b>UN/CEFACT Field</b>                                     |
|----------------------|--|
| ObjectID             | ID   |
| Name                 | Name   |
| Resource Type        | CostCategoryCode   |
| CalendarObjectID     | ScheduleProjectScheduleCalendar.ProjectScheduleCalendar.ID |

## Project Schedule Task

| <b>P6 EPPM Field</b> | <b>UN/CEFACT Field</b> |
|----------------------|------------------------|
| Name                 | Description            |
| ObjectID             | ID                     |



| <b>P6 EPPM Field</b>   | <b>UN/CEFACT Field</b>      |
|--|-----------------------------|
| WBS_+WBSObjectID   | DataNodeID                  |
| ActivityId+Name  | Description                 |
| UDF/Code   | RiskLevelDescription        |
| Percent Complete   | CalculatedCompletionPercent |
| Physical Percent Complete  | AssessedCompletionPercent   |
| UDF  | PriorityRankingNumeric      |
| UDF/Code   | EarnedValueMethodCode       |
| UDF  | ScheduleLevelNumeric        |
| Free Float   | FreeFloatDurationMeasure    |
| Total Float  | TotalFloatDurationMeasure   |
| UDF  | MilestoneWeightNumeric      |
| Activity Type  | TypeCode                    |
| Actual Duration  | TotalDurationMeasure        |
| Remaining Duration   | RemainingDurationMeasure    |
| Is Critical  | CriticalPathIndicator       |
| UDF/Code   | ControlAccountID            |
| UDF/Code   | ScheduleLevel               |
| Planned Duration (P6 EPPM)<br>Original or Planned Duration (P6 Professional) | OriginalDurationMeasure     |
| Baseline Duration  | BaselineDurationMeasure     |
| Minimum Duration or UDF  | BestCaseDurationMeasure     |
| Most Likely Duration or UDF  | MostLikelyDurationMeasure   |
| Maximum Duration or UDF  | WorstCaseDurationMeasure    |

| <b>P6 EPPM Field</b>                | <b>UN/CEFACT Field</b>                                     |
|-------------------------------------|--|
| Finish Date Variance                | FinishVarianceDurationMeasure                              |
| Start Date Variance                 | StartVarianceDurationMeasure                               |
| UDF/Code                            | WorkPackageID  |
| TaskObjectID                        | SourceID   |
| ProjectObjectID                     | ProjectID  |
| UDF/Code                            | PlanningLevelCode  |
| CalendarObjectID                    | ScheduleProjectScheduleCalendar.ProjectScheduleCalendar.ID |
| Early Start Date, Late Start Date   | CurrentScheduledBasePeriod.BasePeriod.StartDateTime        |
| Early Finish Date, Late Finish Date | CurrentScheduledBasePeriod.BasePeriod.EndDateTime          |
| Value ='early','late'               | CurrentScheduledBasePeriod.BasePeriod.Description          |
| Actual Start Date                   | ActualScheduledBasePeriod.BasePeriod.StartDateTime         |
| Actual Finish Date                  | ActualScheduledBasePeriod.BasePeriod.EndDateTime           |
| Planned Start Date                  | TargetScheduledBasePeriod.BasePeriod.StartDateTime         |
| Planned Finish Date                 | TargetScheduledBasePeriod.BasePeriod.EndDateTime           |
| Early Start Date, Late Start Date   | ResourceScheduledBasePeriod.BasePeriod.StartDateTime       |
| Early Finish Date, Late Finish Date | ResourceScheduledBasePeriod.BasePeriod.EndDateTime         |
| Value ='early','late'               | ResourceScheduledBasePeriod.BasePeriod.Description         |
| UDF                                 | BestCaseScheduledBasePeriod.BasePeriod                     |

| <b>P6 EPPM Field</b>                               | <b>UN/CEFACT Field</b>  |
|--|---|
|  | od.StartDateTime  |
| UDF  | BestCaseScheduledBasePeriod.BasePeriod.EndDateTime                              |
| Value ='early','late'                              | BestCaseScheduledBasePeriod.BasePeriod.Description                              |
| UDF  | MostLikelyScheduledBasePeriod.BasePeriod.StartDateTime                          |
| UDF  | MostLikelyScheduledBasePeriod.BasePeriod.EndDateTime                            |
| Value ='early','late'                              | MostLikelyScheduledBasePeriod.BasePeriod.Description                            |
| UDF  | WorstCaseScheduledBasePeriod.BasePeriod.StartDateTime                           |
| UDF  | WorstCaseScheduledBasePeriod.BasePeriod.EndDateTime                             |
| Value ='early','late'                              | WorstCaseScheduledBasePeriod.BasePeriod.Description                             |
| Expected Finish Date                               | EstimatedScheduledBasePeriod.BasePeriod.EndDateTime                             |
| Baseline Start Date                                | BaselineScheduledBasePeriod.BasePeriod.StartDateTime                            |
| Baseline Finish Date                               | BaselineScheduledBasePeriod.BasePeriod.EndDateTime                              |
| Value ='early'                                     | BaselineScheduledBasePeriod.BasePeriod.Description                              |
| Primary Constraint Date, Secondary Constraint Date | LimitingScheduleTaskTimingConstraint.ScheduleTaskTimingConstraint.LimitDateTime |
| Primary Constraint Type, Secondary Constraint Type | LimitingScheduleTaskTimingConstraint.ScheduleTaskTimingConstraint.TypeCode      |

| <b>P6 EPPM Field</b>    | <b>UN/CEFACT Field</b>             |
|-------------------------|------------------------------------|
| Activity Notebook Topic | UserDefinedProjectNote.ProjectNote |

## Relationships

| <b>P6 EPPM Field</b>                                | <b>UN/CEFACT Field</b>   |
|---|--|
| ObjectID  | ID   |
| Lag   | LagTimeMeasure   |
| Successor Activity ObjectID                         | SuccessorSpecifiedProjectScheduleTask.<br>ProjectScheduleTask.ID                     |
| Successor Project ObjectID                          | SuccessorSpecifiedProjectScheduleTask.<br>ProjectScheduleTask.ProjectID              |
| Activity ObjectID                                   | SuccessorSpecifiedProjectScheduleTask.<br>ProjectScheduleTask.SourceID               |
| IsCritical  | SuccessorSpecifiedProjectScheduleTask.<br>ProjectScheduleTask.CriticalPathIndicator  |
| Predecessor Activity ObjectID                       | PredecessorSpecificProjectScheduleTask.<br>ProjectScheduleTask.ID                    |
| Predecessor Project ObjectID                        | PredecessorSpecificProjectScheduleTask.<br>ProjectScheduleTask.ProjectID             |
| Activity ObjectID                                   | PredecessorSpecificProjectScheduleTask<br>.ProjectScheduleTask.SourceID              |
| Is Critical   | PredecessorSpecificProjectScheduleTask<br>.ProjectScheduleTask.CriticalPathIndicator |
| Type  | TypeCode   |
| CalendarObjectID of calendar assigned to successor. | LagTimeProjectScheduleCalendar.Project<br>ScheduleCalendar.ID                        |

## Resource Assignment

| <b>P6 EPPM Field</b>  | <b>UN/CEFACT Field</b>  |
|---|---|
| RA_+ActivityObjectId_+ResourceObjectId<br>+ACP/BCP/EST+_DC/HR/UN or<br>RA + ActivityObjectId + RoleObjectId+<br>ACP/BCP/EST+_DC/HR/UN | ID  |
| ACP/BCP/EST   | CostManagementCode  |
| ActualCost, BudgetedCost, RemainingCost   | ResourceAmount  |
| Value = 'FALSE'   | DurationBasedIndicator  |
| Actual Units, Budgeted Units, Remaining<br>Units  | HourResourceQuantity  |
| Actual Units, Budgeted Units, Remaining<br>Units for Material Resource  | MaterialResourceQuantity  |
| Planned lag   | AllocatedProjectPeriod.ProjectPeriod.Durat<br>ionMeasure              |
| ResourceObjectId/RoleObjectId   | AllocatedProjectResource.ID   |
| Resource Name   | AllocatedProjectResource.Name   |
| Value = 'DC'/'HR'/'UN'  | AllocatedProjectResourc.PlanMeasureTyp<br>eCode                       |
| Resource Type   | AllocatedProjectResourc.CostCategoryCod<br>e                          |
| Actual Duration,<br>Planned Duration, Remaining Duration  | AllocatedProjectResourc.AvailabilityProject<br>Period.DurationMeasure |
| Actual Start Date,<br>Planned Start Date, Remaining Start Date  | AllocatedProjectResourc.AvailabilityProject<br>Period.StartDateTime   |
| Actual Finish Date,<br>Planned Finish Date, Remaining Finish<br>Date  | AllocatedProjectResourc.AvailabilityProject<br>Period.EndDateTime     |
| CalendarObjectId  | ScheduleProjectScheduleCalendar.Project<br>ScheduleCalendar.ID        |

| <b>P6 EPPM Field</b>                       | <b>UN/CEFACT Field</b>  |
|--|---|
| ResourceCurveObjectId                      | AllocationResourceDistribution.ResourceDistributionProfile.ID   |
| Resource Curve Name                        | AllocationResourceDistribution.ResourceDistributionProfile.Name   |
| Calculated (21 points)                     | AllocationResourceDistribution.ResourceDistributionProfile.SpecifiedResourceDistributionProfilePoint.ResourceDistributionProfilePoint.Name              |
| Percentage value for each of the 21 points | AllocationResourceDistribution.ResourceDistributionProfile.SpecifiedResourceDistributionProfilePoint.ResourceDistributionProfilePoint.AllocationPercent |

### Progress Monitored Contract (Project Level Data)

| <b>P6 EPPM Field</b>          | <b>UN/CEFACT Field</b>  |
|-------------------------------|---|
| Project ID                    | ContainedProgressMonitoredProject.ProgressMonitoredProject.ID   |
| Project Name                  | ContainedProgressMonitoredProject.ProgressMonitoredProject.Name   |
| To be entered in the template | ContainedProgressMonitoredProject.ProgressMonitoredProject.Description  |
| To be entered in the template | ContainedProgressMonitoredProject.ProgressMonitoredProject.ReportingPlanProjectPeriod.ProjectPeriod.StartDateTime |
| To be entered in the template | ContainedProgressMonitoredProject.ProgressMonitoredProject.ReportingPlanProjectPeriod..ProjectPeriod.EndDateTime  |
| Planned Start Date            | ContainedProgressMonitoredProject.ProgressMonitoredProject.EstimatedPlanProjectPeriod.ProjectPeriod.StartDateTime |

| <b>P6 EPPM Field</b>  | <b>UN/CEFACT Field</b>  |
|-----------------------|---|
| Planned Finish Date   | ContainedProgressMonitoredProject.ProgressMonitoredProject.EstimatedPlanProjectPeriod.ProjectPeriod.EndDateTIme   |
| Actual Start          | ContainedProgressMonitoredProject.ProgressMonitoredProject.ActualPlanProjectPeriod.ProjectPeriod.StartDateTIme  |
| Actual Finish         | ContainedProgressMonitoredProject.ProgressMonitoredProject.ActualPlanProjectPeriod.ProjectPeriod.EndDateTIme  |
| Baseline Start Date   | ContainedProgressMonitoredProject.ProgressMonitoredProject.BaselinePlanProjectPeriod.ProjectPeriod.StartDateTIme  |
| Baseline Finish Date  | ContainedProgressMonitoredProject.ProgressMonitoredProject.BaselinePlanProjectPeriod.ProjectPeriod.EndDateTIme  |
| CalendarObjectld      | ContainedProgressMonitoredProject.ProgressMonitoredProject.BaselineProjectScheduleCalendar.ID   |
| Calendar Name         | ContainedProgressMonitoredProject.ProgressMonitoredProject.BaselineProjectScheduleCalendar.Name   |
| Value = '1'           | ContainedProgressMonitoredProject.ProgressMonitoredProject.BaselineProjectScheduleCalendar.AssociatedProjectWorkShift.ProjectWorkShift.ID   |
| Calculated            | ContainedProgressMonitoredProject.ProgressMonitoredProject.BaselineProjectScheduleCalendar.AssociatedProjectWorkShift.ProjectWorkShift.StartDayCode   |
| Calculated            | ContainedProgressMonitoredProject.ProgressMonitoredProject.BaselineProjectScheduleCalendar.AssociatedProjectWorkShift.ProjectWorkShift.WorkDayCode  |
| Calculated            | ContainedProgressMonitoredProject.ProgressMonitoredProject.BaselineProjectScheduleCalendar.AssociatedProjectWorkShift.ProjectWorkShift.EffectiveProjectPeriod.ProjectPeriod.DurationMeasure |
| Holiday Or Exceptions | ContainedProgressMonitoredProject.ProgressMonitoredProject.BaselineProjectScheduleCalendar.HolidayDate  |

**Project Note**

| <b>P6 EPPM Field</b>   | <b>UN/CEFACT Field</b> |
|------------------------|------------------------|
| Project Notebook Topic | ProjectNote            |



# Copyright

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Oracle Primavera P6 EPPM UN/CEFACT Import/Export Data Map Guide

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