



SIMPLE, TRANSPARENT AND EFFECTIVE PROCESSES
FOR GLOBAL BUSINESS

Requirements Specification Mapping (RSM)

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Business Process: Project Schedule and Cost Performance
Management

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07AUG2006	0.2	5	Updated entire section
10AUG2006	0.2	4.1	Diagrams updated
25AUG2006	0.3	4.1, 4.2	Diagrams updated
25AUG2006	0.3	5.1, 5.2	Updated to correspond with latest model
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06SEP2006	0.4	5.1, 5.2, 5.3, 7	Updated to correspond with latest model
20SEP2006	0.5	4.1	Diagrams updated
21SEP2006	0.5	4.2	Diagrams updated
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18OCT2006	0.6	4.1, 4.2	Diagrams updated
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04DEC2006	1.0	5.1, 5.2	Updated to correspond with harmonization changes
06DEC2006	1.0	5.1	Updated with QA changes
06DEC2006	1.0	5.3, 7	Updated to correspond with harmonization and QA changes
06DEC2006	1.1	7	Updated with final QA changes

Date of Change	Version	Paragraph Changed	Summary of Changes
08DEC2006	1.2	6	Updated version of CCL on which the submission is based.
13APR2008	1.3	5.1	Updated to conform with changes in CCL06B

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1. OBJECTIVE

The objective is to enable the ability for the various entities involved in the execution of a project to exchange relevant project management related schedule and cost data throughout the life of a project using a standardized information exchange process and data content framework.

2. DEFINITION OF TERMS

This is a glossary of terms to be used with the international standard Project Schedule and Cost Performance Management.

The source for the definition of common project management terms is the American National Standards Institute/Electronic Industries Alliance (ANSI/EIA) Standard for Earned Value Management Systems (EIA-748-A) published by the Electronic Industries Alliance, Technology Strategy & Standards Department, 2500 Wilson Boulevard, Arlington, VA 22201, USA.

ACTUAL COST	The costs actually incurred and recorded in accomplishing work performed.
ACTUAL DATE	The date on which a milestone or scheduled work task is completed.
APPORTIONED EFFORT	Effort that by itself is not readily measured or divisible into discrete work packages but which is related in direct proportion to the planning and performance on other measured effort.
AUTHORIZED WORK	Effort (work scope) on contract or assigned by management.
BUDGET AT COMPLETION	The total authorized budget for accomplishing the program scope of work. It is equal to the sum of all allocated budgets plus any undistributed budget. (Management Reserve is not included.) The Budget At Completion will form the Performance Measurement Baseline as it is allocated and time-phased in accordance with program schedule requirements.
CONTROL ACCOUNT	A management control point at which budgets (resource plans) and actual costs are accumulated and compared to earned value for management control purposes. A control account is a natural management point for planning and control since it represents the work assigned to one responsible organizational element on one program work breakdown structure element.
COST VARIANCE	A metric for the cost performance on a program. It is the algebraic difference between earned value and actual cost (Cost Variance = Earned Value - Actual Cost.) A positive value indicates a favorable position and a negative value indicates an unfavorable condition.
CRITICAL PATH ANALYSIS	See NETWORK SCHEDULE.
DIRECT COSTS	The costs or resources expended in the accomplishment of work which are directly charged to the affected program.
DISCRETE EFFORT	Tasks that are related to the completion of specific end products or services and can be directly planned and measured. (Also may be known as work packaged effort.)
DUE DATE	The date by which a milestone or task is scheduled to be completed.
EARNED VALUE	The value of completed work expressed in terms of the budget assigned to that work.
ESTIMATE AT COMPLETION	The current estimated total cost for program authorized work. It equals actual cost to a point in time plus the estimated costs to completion (Estimate To Complete).
ESTIMATE TO COMPLETE	Estimate of costs to complete all work from a point in time to the end of the program.
ESTIMATED COST	An anticipated cost for specified work scope.
EXPECTED COMPLETION DATE	The date on which a scheduled milestone or task is currently expected to be completed.

INDIRECT COST	The cost for common or joint objectives that cannot be identified specifically with a particular program or activity. Also referred to as overhead cost or burden.
INTERNAL REPLANNING	Replanning actions for remaining work scope. A normal program control process accomplished within the scope, schedule, and cost objectives of the program.
LEVEL OF EFFORT	Unmeasured effort of a general or supportive nature usually without a deliverable end product. Examples are supervision, program administration and contract administration.
MANAGEMENT RESERVE	An amount of the total budget withheld for management control purposes rather than being designated for the accomplishment of a specific task or set of tasks.
MILESTONE	A schedule event marking the due date for accomplishment of a specified effort (work scope) or objective. A milestone may mark the start, an interim step, or the end of one or more activities.
NETWORK SCHEDULE	A schedule format in which the activities and milestones are represented along with the interdependencies between activities. It expresses the logic of how the program will be accomplished. Network schedules are the basis for critical path analysis, a method for identification and assessment of schedule priorities and impacts.
ORGANIZATION STRUCTURE	The hierarchical arrangement for the management organization for a program, graphically depicting the reporting relationships. The organizational structure will be by work team, function, or whatever organization units are used by the company.
OTHER DIRECT COSTS	Usually the remaining direct costs, other than labor and materiel, like travel and computer costs.
OVER-TARGET BASELINE	Replanning actions involving establishment of cost or schedule objectives that exceed the desired or contractual objectives on the program. An over-target baseline is a recovery plan, a new baseline for management when the original objectives cannot be met and new goals are needed for management purposes.
PERFORMANCE MEASUREMENT BASELINE	The total time-phased budget plan against which program performance is measured. It is the schedule for expenditure of the resources allocated to accomplish program scope and schedule objectives, and is formed by the budgets assigned to control accounts and applicable indirect budgets. The Performance Measurement Baseline also includes budget for future effort assigned to higher Work Breakdown Structure levels (summary level planning packages) plus any undistributed budget. Management Reserve is not included in the baseline as it is not yet designated for specific work scope.
PERFORMING ORGANIZATION	The organization unit that applies resources to accomplish assigned work.
PLANNING PACKAGE	A logical aggregation of work, usually future efforts that can be identified and budgeted, but which is not yet planned in detail at the work package or task level.
PROGRAM BUDGET	The total budget for the program including all allocated budget, management reserve, and undistributed budget.
PROGRAM TARGET COST	The program cost objective based on the negotiated contract target cost, or the management goal value of the authorized work, plus the estimated cost of authorized unpriced work.
RESOURCE PLAN	The time-phased budget, which is the schedule for the planned expenditure of program resources for accomplishment of program work scope.
RESPONSIBLE ORGANIZATION	The organizational unit responsible for accomplishment of assigned work scope.

SCHEDULE	A plan that defines when specified work must be done to accomplish program objectives on time.
SCHEDULE TRACEABILITY	Compatibility between schedule due dates, status, and work scope requirements at all levels of schedule detail (vertical traceability) and between schedules at the same level of detail (horizontal traceability).
SCHEDULE VARIANCE	A metric for the schedule performance on a program. It is the algebraic difference between earned value and the budget (Schedule Variance = Earned Value - Budget). A positive value is a favorable condition while a negative value is unfavorable.
STATEMENT OF WORK	The document that defines the work scope requirements for a program.
UNDEFINITIZED WORK	Authorized work for which a firm contract value has not been negotiated or otherwise determined.
UNDISTRIBUTED BUDGET	Budget associated with specific work scope or contract changes that have not been assigned to a control account or summary level planning package.
WORK BREAKDOWN STRUCTURE	A product-oriented division of program tasks depicting the breakdown of work scope for work authorization, tracking, and reporting purposes.
WORK BREAKDOWN STRUCTURE DICTIONARY	A listing of work breakdown structure elements with a description of the work scope content in each element. The work descriptions are normally summary level and provide for clear segregation of work for work authorization and accounting purposes.
WORK PACKAGE	A task or set of tasks performed within a control account.

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3. TARGET TECHNOLOGY SOLUTION

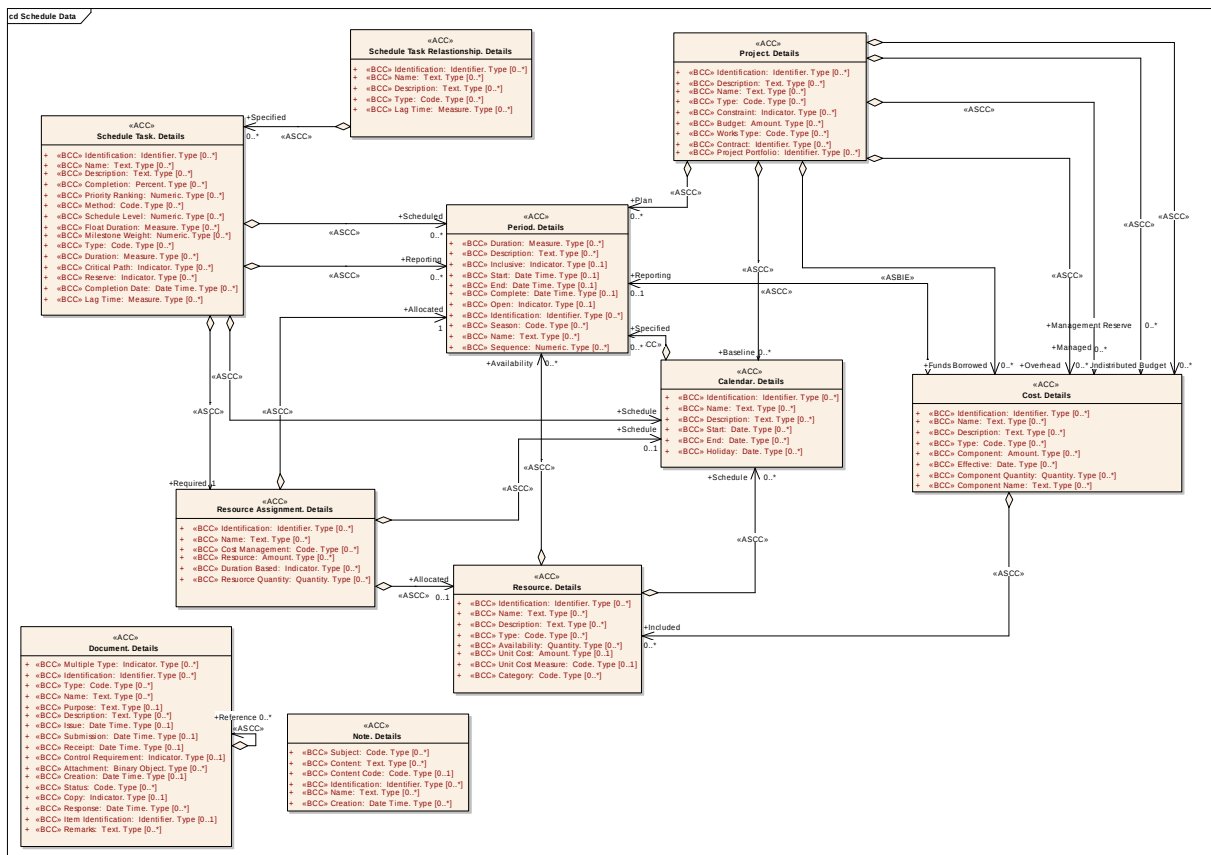
- XML Schema.

4. INFORMATION PAYLOAD TO BE IMPLEMENTED

4.1. Conceptual Model

4.1.1. Schedule Data

Schedule data includes information specific to work tasks, milestones, the relationships or interdependencies between work tasks and milestones, and assigning resources to work tasks.



The core of the network schedule data exchange is the work task and milestone details (Project_Task). The relationships between tasks and milestones (Project_Task Relationship) provide information about the interdependencies; this is used to determine the sequence of work. The resource assignment provides information about which resource is doing the work or is required to do the work (Project_Resource Assignment) and an amount (Project_Cost) such as number of labor hours, a direct cost, or number of material units which can be distributed over time (Reporting_Period).

Relationship and resource assignment details may or may not be included based on the needs of a given project or the intent of a given data exchange.

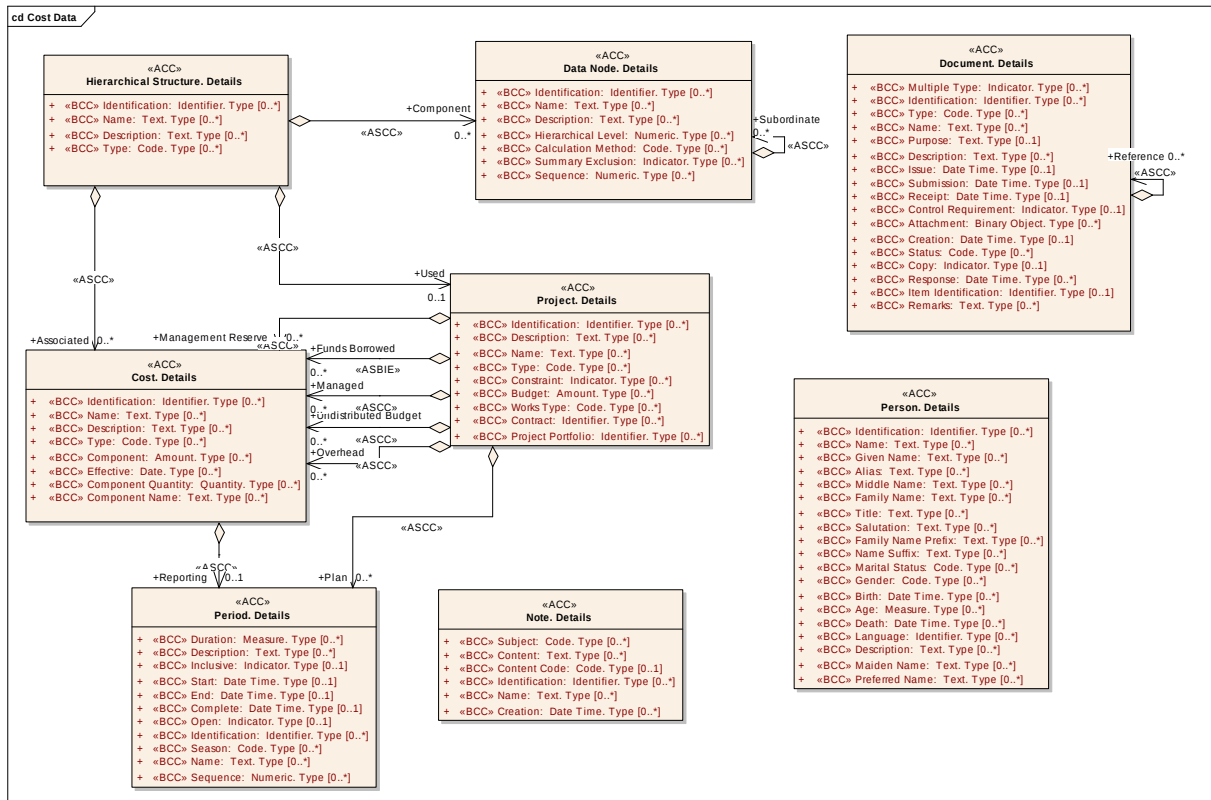
Information related to the task details include:

- A single project reference (an identifier) which relates to a single contract reference (an identifier);

- A single schedule calendar reference;
- Start and finish dates as well as duration details (PM_Period);
- User attributes;
- Reporting node details (can be one or many) which relates to a named reporting structure.

4.1.2. Cost Data

Cost data includes the cost information for the project whether at the detail level or summarized to any intermediate or summary level using one or more reporting structure such as the work breakdown structure. This cost data can be time phased by accounting calendar reporting periods or summarized for the current reporting period (current period, cumulative to date, and at complete).



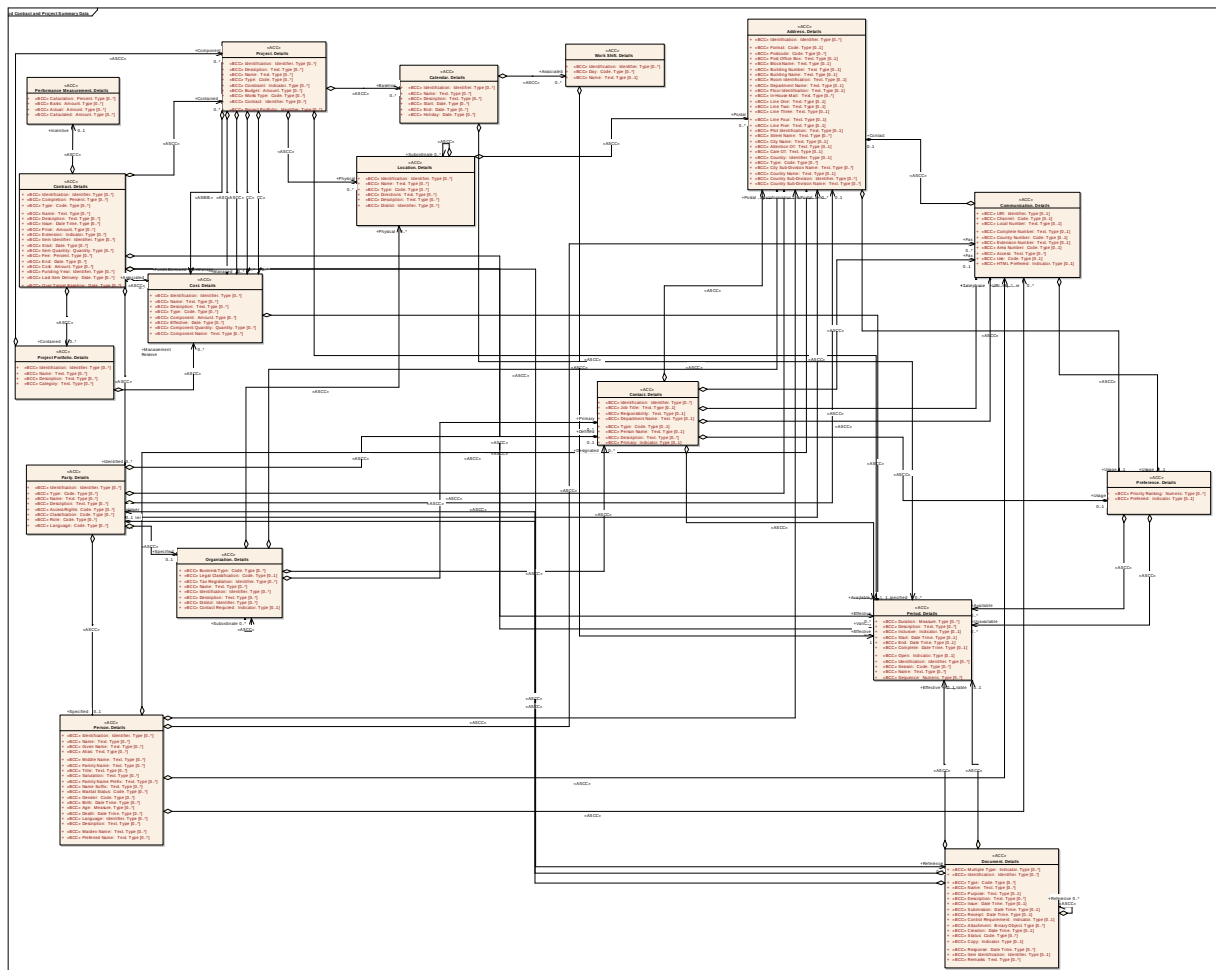
This cost data exchange is based on a given reporting structure such as a work breakdown structure (Project_Reporting Structure). This data exchange includes:

- A single project reference (an identifier) which relates to a single contract reference (an identifier).
- The various reporting nodes and node associations for the reporting structure. These reporting nodes or elements can be at a single level within the reporting structure hierarchy or many levels. For each reporting node, related information includes:

- o Cost details (Project_Cost) by cost type (budget, actual, earned value, estimate) and value type (hours, direct cost, equivalent heads, units, indirect costs, total cost) by reporting period (Reporting_Period) with or without resource detail (Project_Resource);
- o Variance analysis narrative.

4.1.3. Contract and Project Summary Data

Provides the means to exchange summary contract and project data useful for a new project or when there are contract changes. The data can also be combined with other information areas as needed when a complete set of contract and project summary data is required by the customer (in addition to the simple reference identifier used for exchanging other information area details).



This data exchange focuses on the high level descriptive, date, and cost information specific to a contract and related project. It identifies overall contract and related high level project parameters that are exchanged between contracting parties on contract award or in the event there are change orders that must be incorporated.

Information related to the contract includes:

- A single program reference (there can be multiple contracts awarded for a given program);

This data exchange is based on a given reporting structure similar to the cost data exchange except the cost data contents are focused on details specific to project funding such as:

- Funding authorized to date;
- Accrued expenditures;
- Open commitments;
- Actual costs to date;
- Forecast of billings.

Additional contract information is included (Progress Monitored_ Contract) to identify the funding source (a project can be funded by multiple entities) and allows the ability to include remarks.

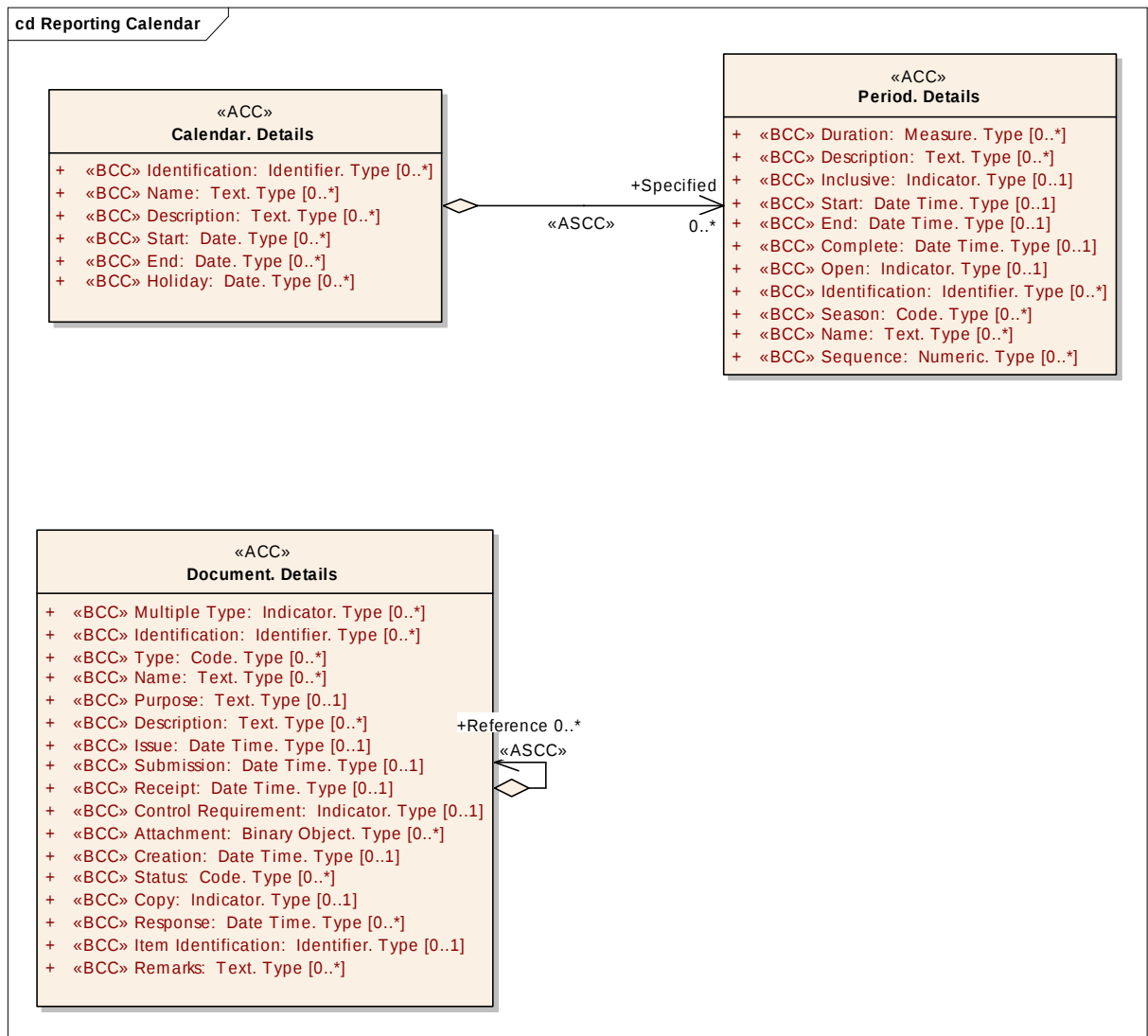
4.1.5. Auxiliary Data

Auxiliary data includes related calendars, structures, and other details needed to organize the work as well as to sort, select, and summarize the data for reporting purposes. The data can also be combined with other information areas as needed to provide the necessary reference details for other data.

The named targeted data exchanges include:

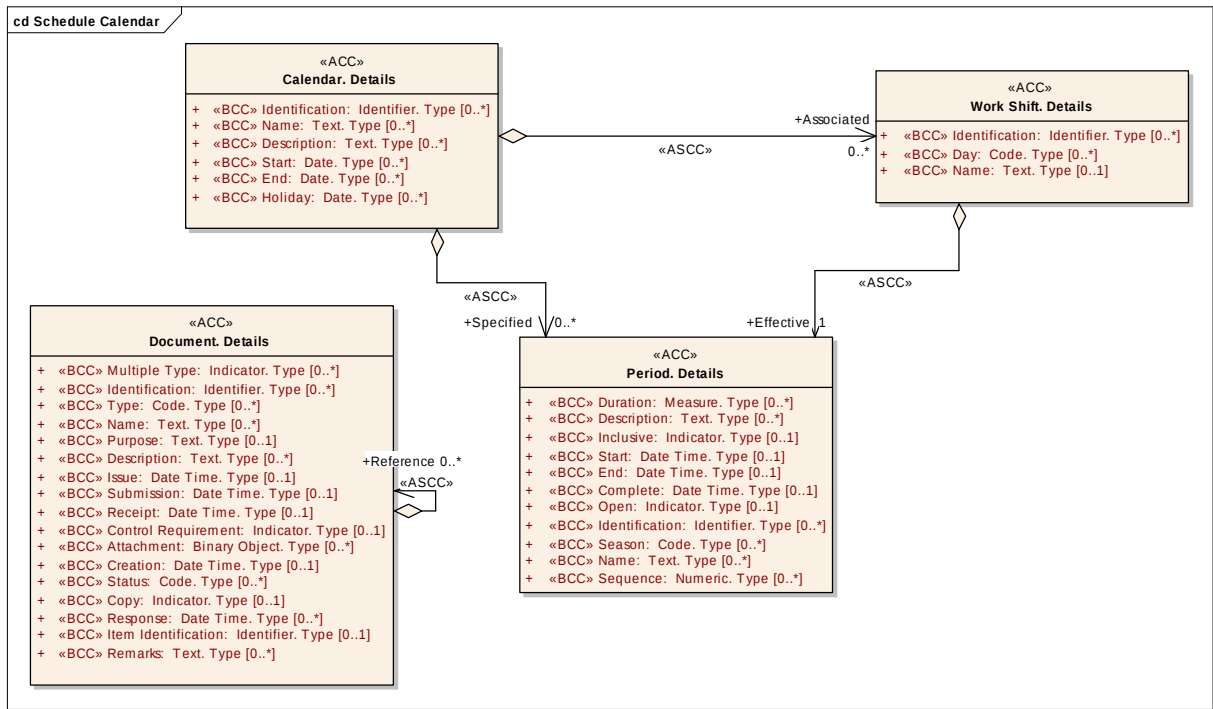
- Reporting calendar used for cost details;
- Schedule calendar;
- Reporting structure;
- Resources;
- Variance thresholds;

4.1.5.1. Reporting Calendar



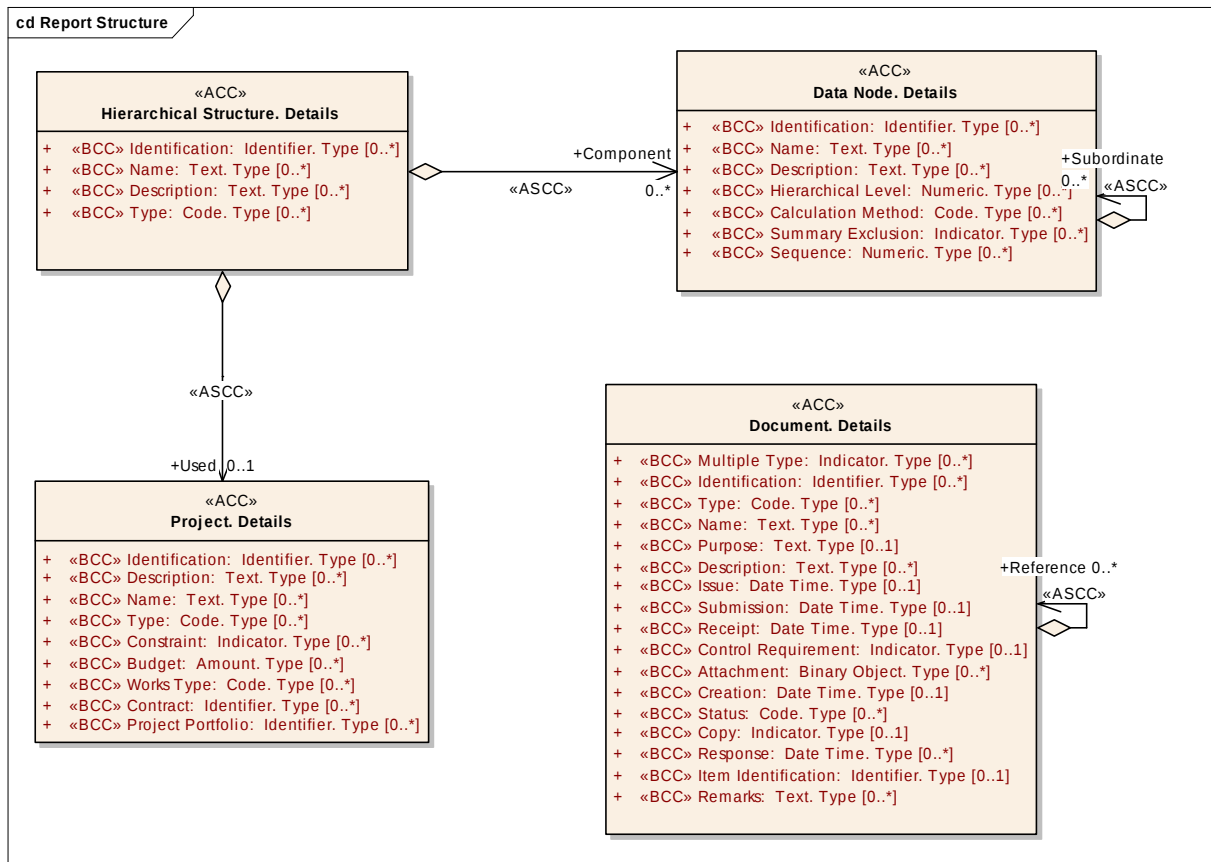
This data exchange allows the ability to send details about a given cost reporting calendar. The reporting periods associated with a calendar can reflect accounting periods (monthly or weekly), summary time frames such as current period, cumulative to date, and at complete or other time frames as needed. The period entity (Reporting_Period) identifies the start and end dates for a given reporting period.

4.1.5.2. Schedule Calendar



This data exchange allows the ability to send details about a given schedule calendar (holidays and rest days) as well as work shift details.

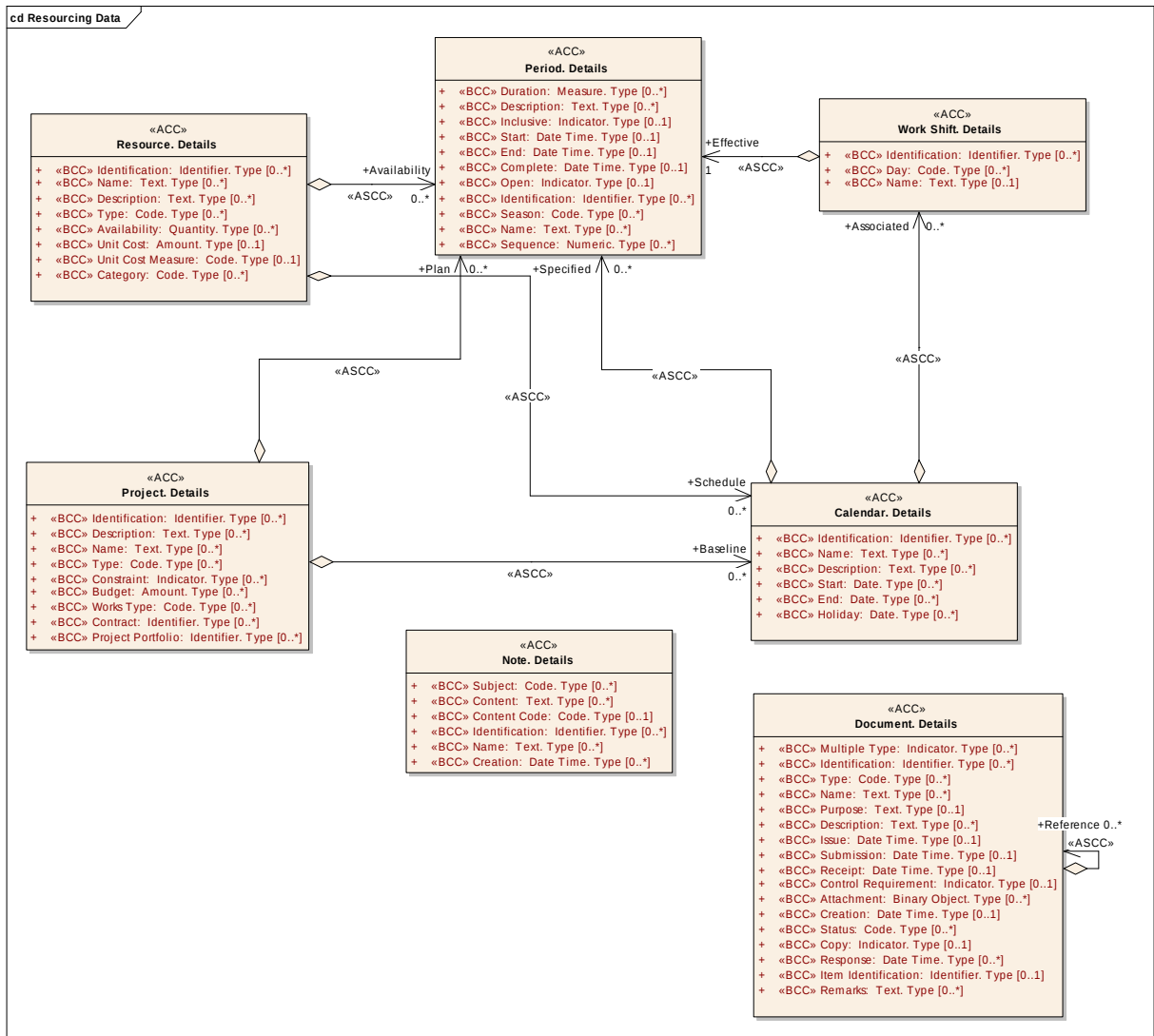
4.1.5.3. Reporting Structure



This data exchange allows the ability to send details about a given reporting structure such as a work breakdown structure, organization breakdown structure, or milestone hierarchy structure.

Note that this entity can also be used to send details about a single level reporting structure used to organize, sort, and select data such as by phase, location, supplier, and so forth.

264 4.1.5.4. Resources



266 This data exchange allows the ability to send details about available resources that will be used to

267 perform work on a given project. This detail is the source list used for the work task resource

268 assignments (network schedule with resource assignments data exchange). Availability time frames can

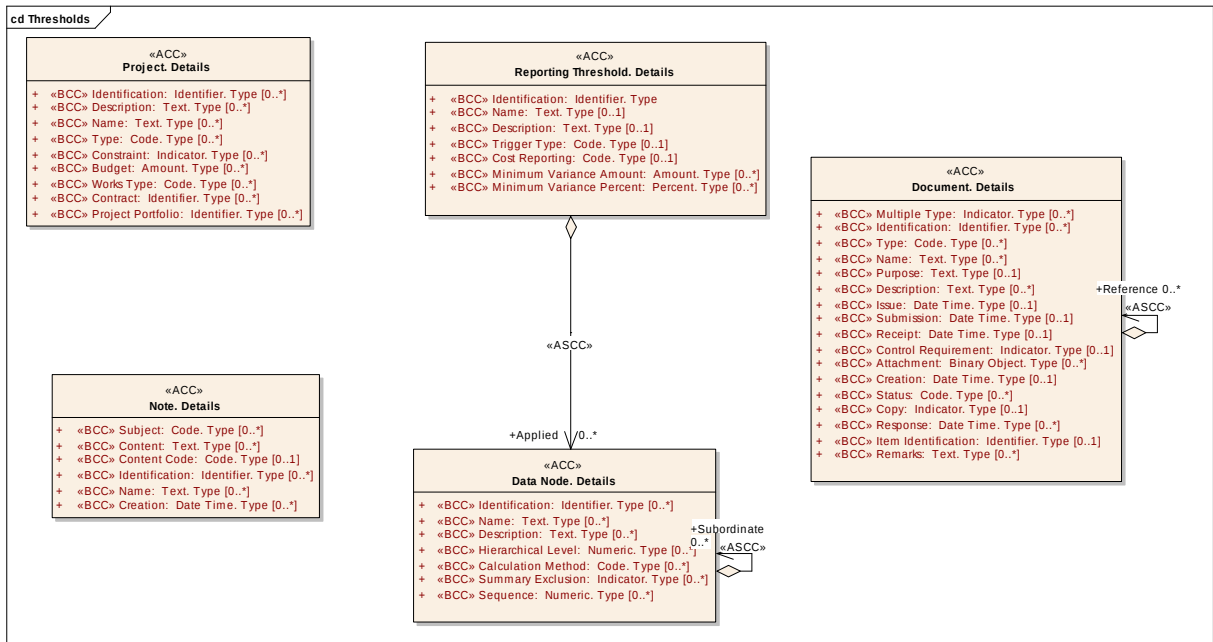
269 also be included (Project_Period) with the resource detail as needed.

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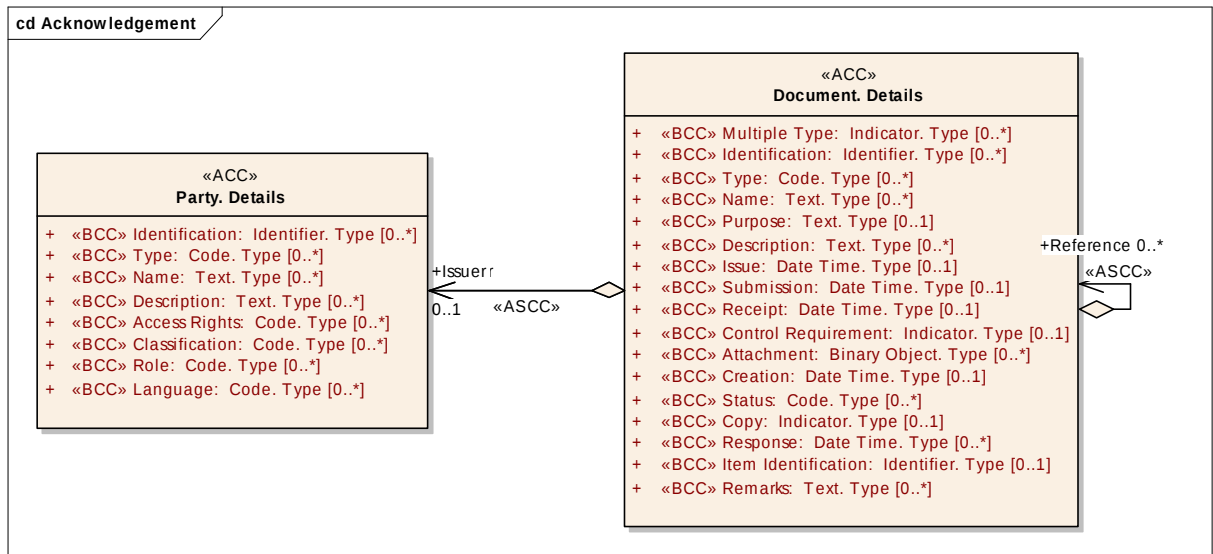
4.1.5.5. Variance Thresholds



This data exchange allows the ability to send details about the variance thresholds used for cost and variance analysis useful for exception reporting (work elements that exceed the thresholds allow management to identify and address project problem areas). The thresholds apply to a given reporting node within a reporting structure, typically the work breakdown structure. This allows the ability to tailor the thresholds based on the scope of work (high risk versus low risk work). The boundaries can change over the duration of the project (Project_Period details).

4.1.6. Acknowledgements

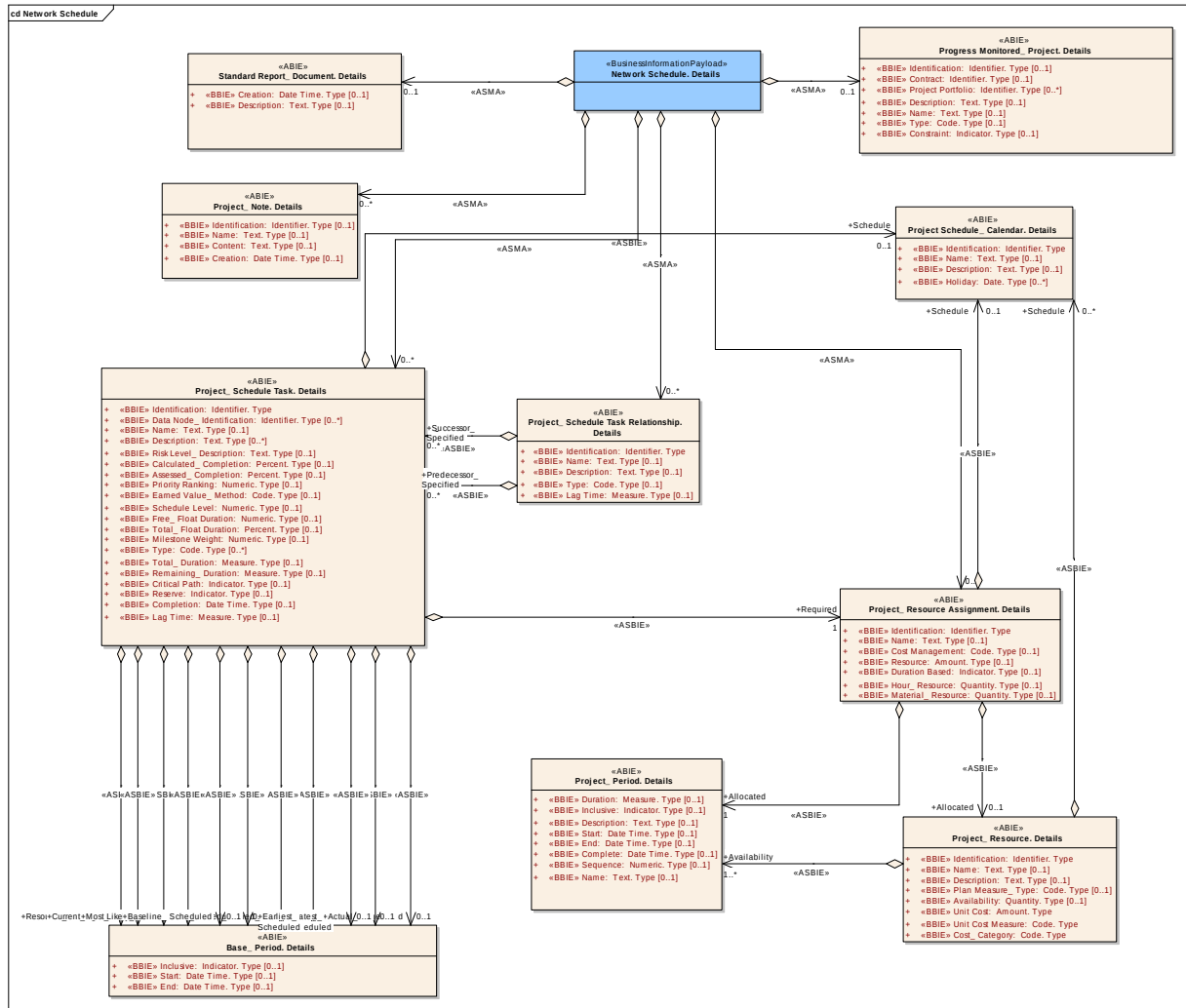
This data exchange provides the means to send acknowledgment information to a data provider.



289 4.2. Canonical Model

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291 4.2.1. Schedule Data



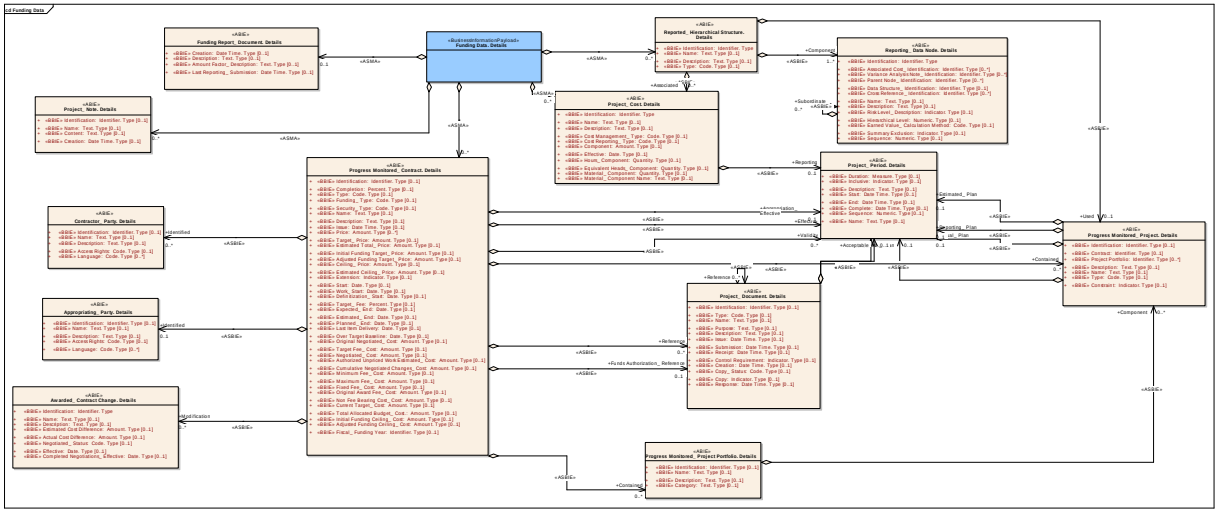
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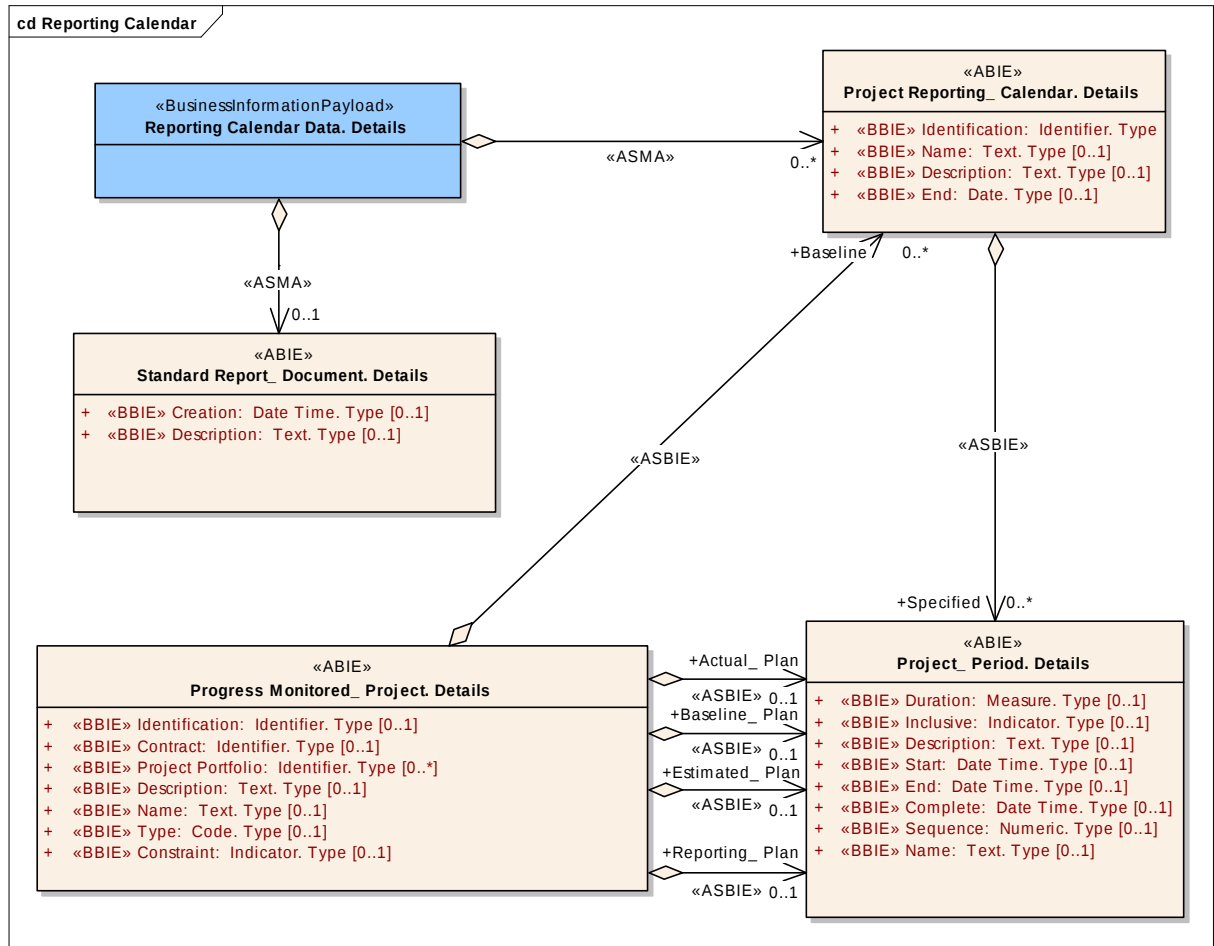
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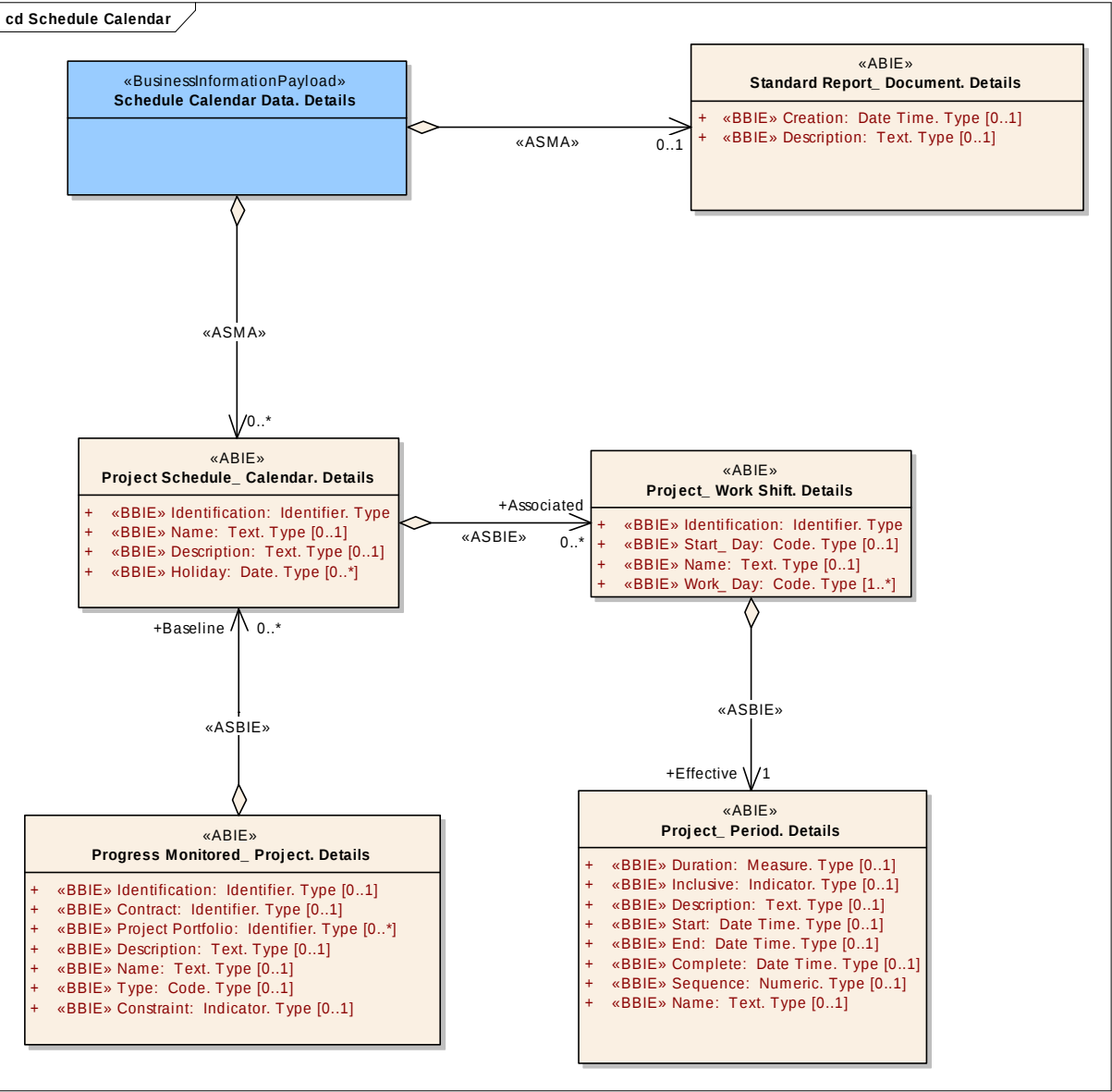


4.2.5. Auxiliary Data

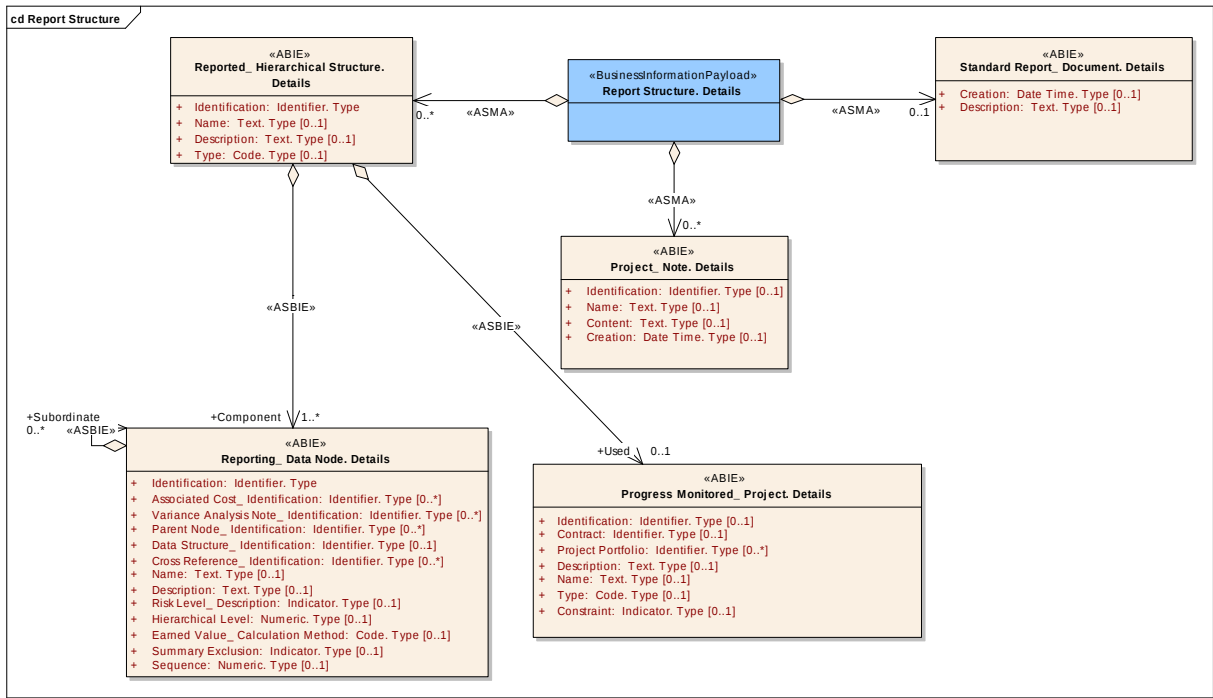
4.2.5.1. Reporting Calendar



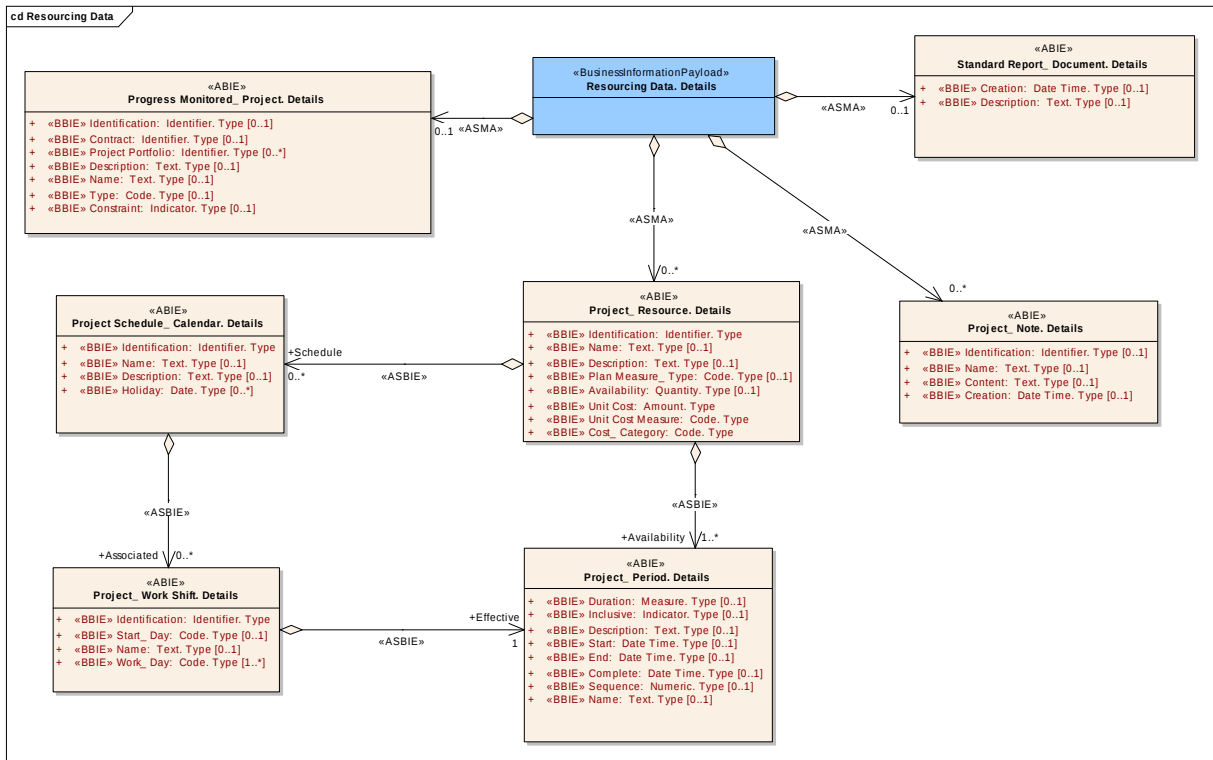
4.2.5.2. Schedule Calendar



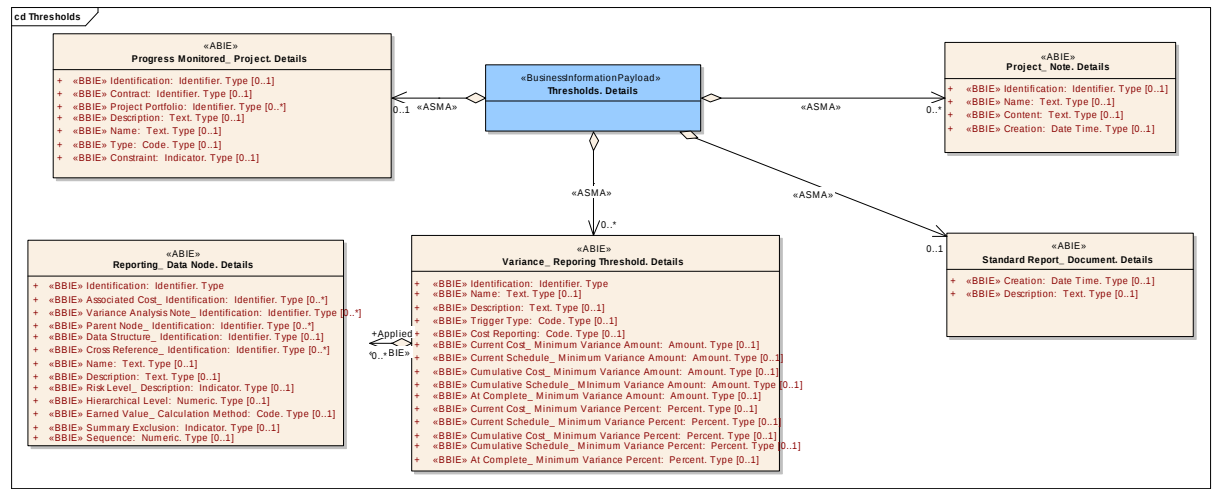
4.2.5.3. Reporting Structure



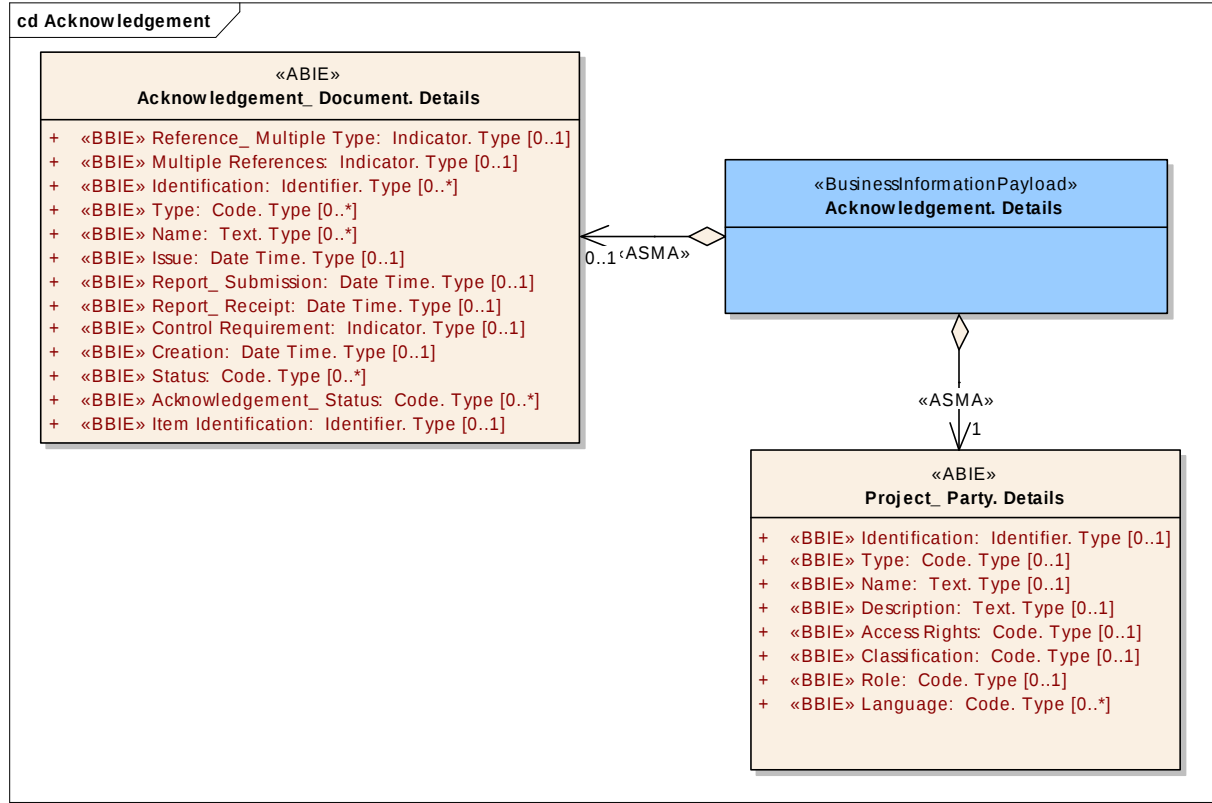
4.2.5.4. Resources



4.2.5.5. Variance Thresholds



4.2.6. Acknowledgements



321 **5. BUSINESS INFORMATION ENTITY REFERENCE**

322 This section contains the list of all the Business Information Entities that are both used within the canonical data model and are variations from the standard Core Components, including the UN/CEFACT

323 Registry version that served as the reference point.

324 **5.1. Basic Business Information Entities section**

325 This section identifies any restrictions that have to be applied to the BBIE in the context in which it is being used.

BBIE dictionary entry name	Data Type	Usage Rules	Core Component dictionary Entry Name	Content Component Restrictions			Supplementary component Restrictions		
				Restriction Type	Restriction Value	Expression Type	Supplementary Component Name	Supplementary Value	
Acknowledgement_ Document. Type. Code	Document_ Code. Type		Document. Type. Code	Enumeration: UNCL 1001					
Acknowledgement_ Document. Issue. Date Time	Date Mandatory_ Date Time. Type		Document. Issue. Date Time		Minimum size: 8, maximum size: 17	(\d{4}-\d{2}-\d{2})(T\d{2}:\d{2}:\d{2})?			
Acknowledgement_ Document. Report_ Submission. Date Time	Date Mandatory_ Date Time. Type		Document. Submission. Date Time		Minimum size: 8, maximum size: 17	(\d{4}-\d{2}-\d{2})(T\d{2}:\d{2}:\d{2})?			
Acknowledgement_ Document. Receipt. Date Time	Date Mandatory_ Date Time. Type		Document. Receipt. Date Time		Minimum size: 8, maximum size: 17	(\d{4}-\d{2}-\d{2})(T\d{2}:\d{2}:\d{2})?			
Acknowledgement_ Document. Creation. Date Time	Date Mandatory_ Date Time. Type		Document. Creation. Date Time		Minimum size: 8, maximum size: 17	(\d{4}-\d{2}-\d{2})(T\d{2}:\d{2}:\d{2})?			
Acknowledgement_ Document. Status Code	Document Status_ Code. Type		Document. Status. Code	Enumeration: UNCL 1373					
Acknowledgement_ Document. Acknowledgement_ Status. Code	Acknowledgement_ Code. Type		Document. Status. Code	Enumeration: UNCL 1225					
Base_ Period. Start. Date Time	Date Mandatory_ Date Time. Type		Period. Start. Date Time		Minimum size: 8, maximum size: 17	(\d{4}-\d{2}-\d{2})(T\d{2}:\d{2}:\d{2})?			

BBIE dictionary entry name	Data Type	Usage Rules	Core Component dictionary Entry Name	Content Component Restrictions			Supplementary component Restrictions		
				Restriction Type	Restriction Value	Expression Type	Supplementary Component Name	Supplementary Value	
Base_Period. End. Date Time	Date Mandatory_ Date Time. Type		Period. End. Date Time		Minimum size: 8, maximum size: 17	(\d{4}-\d{2}-\d{2})(T\d{2}:\d{2}:\d{2})?			
Cost Report_ Document. Creation. Date Time	Date Mandatory_ Date Time. Type		Document. Creation. Date Time		Minimum size: 8, maximum size: 17	(\d{4}-\d{2}-\d{2})(T\d{2}:\d{2}:\d{2})?			
Cost Report_ Document. Amount Factor_ Description. Text	Factor Indicator_ Text. Type		Document. Description. Text			[units][hundreds][thousands][millions]			
Cost Report_ Document. Submission. Date Time	Date Mandatory_ Date Time. Type		Document. Submission. Date Time		Minimum size: 8, maximum size: 17	(\d{4}-\d{2}-\d{2})(T\d{2}:\d{2}:\d{2})?			
Funding Report_ Document. Creation. Date Time	Date Mandatory_ Date Time. Type		Document. Creation. Date Time		Minimum size: 8, maximum size: 17	(\d{4}-\d{2}-\d{2})(T\d{2}:\d{2}:\d{2})?			
Funding Report_ Document. Amount Factor_ Description. Text	Factor Indicator_ Text. Type		Document. Description. Text			[units][hundreds][thousands][millions]			
Funding Report_ Document. Last Reporting_ Submission. Date Time	Date Mandatory_ Date Time. Type		Document. Submission. Date Time		Minimum size: 8, maximum size: 17	(\d{4}-\d{2}-\d{2})(T\d{2}:\d{2}:\d{2})?			
Progress Monitored_ Contract. Type. Code	Contract Type_ Code. Type		Contract. Type. Code	Enumeration	TCA, TCH, TCS, TCW, TCX, TFB, TFC, TFD, TFF, TFG, TFH, TFJ, TFK, TFM, TFR, TFX, TLH, TTM				

BBIE dictionary entry name	Data Type	Usage Rules	Core Component dictionary Entry Name	Content Component Restrictions			Supplementary component Restrictions		
				Restriction Type	Restriction Value	Expression Type	Supplementary Component Name	Supplementary Value	
Progress Monitored_Contract. Funding_Type. Code	Funding Type_Code. Type		Contract. Type. Code	Enumeration	INCR, MULTIYEAR, SINGLEYEAR				
Progress Monitored_Contract. Security_Type. Code	Security Classification Type_Code. Type		Contract. Type. Code	Enumeration	CS, GC, GNC, GS, GTS, UNC				
Progress Monitored_Contract. Issue. Date Time	Date Mandatory_Date Time. Type		Contract. Issue. Date Time		Minimum size: 8, maximum size: 17	(\d{4}-\d{2}-\d{2})(T\d{2}:\d{2}:\d{2})?			
Progress Monitored_Project. Type. Code	Project Type_Code. Type		Project. Type. Code	Enumeration	AD, CE, CTD, DV, Dep, EMD, FRP, FSD, LRIP, O&M, ZZZ, Proc, Prod, RDT&E, SDD				
Project_Cost. Cost Management_Type. Code	Cost Management_Code. Type		Cost. Type. Code	Enumeration	ACWP, AE, AF, BCWP, BCWS, CA, DAW, EST, FC, FOB, NDAW, NYAF, OC, OF, ZZZ, SA, TC, VCA, VSA				
Project_Cost. Cost Reporting_Type. Code	Cost Reporting_Code. Type		Cost. Type. Code	Enumeration	DIR, FEE, FNG, G&A, LAB, MAT, TOT, ZZZ				
Project_Document. Type. Code	Document_Code. Type		Document. Type. Code	Enumeration:	UNCL 1001				

BBIE dictionary entry name	Data Type	Usage Rules	Core Component dictionary Entry Name	Content Component Restrictions			Supplementary component Restrictions		
				Restriction Type	Restriction Value	Expression Type	Supplementary Component Name	Supplementary Value	
Project_ Document. Issue. Date Time	Date Mandatory_ Date Time. Type		Document. Issue. Date Time		Minimum size: 8, maximum size: 17	(\d{4}-\d{2}-\d{2})(T\d{2}:\d{2}:\d{2})?			
Project_ Document. Submission. Date Time	Date Mandatory_ Date Time. Type		Document. Submission. Date Time		Minimum size: 8, maximum size: 17	(\d{4}-\d{2}-\d{2})(T\d{2}:\d{2}:\d{2})?			
Project_ Document. Receipt. Date Time	Date Mandatory_ Date Time. Type		Document. Receipt. Date Time		Minimum size: 8, maximum size: 17	(\d{4}-\d{2}-\d{2})(T\d{2}:\d{2}:\d{2})?			
Project_ Document. Creation. Date Time	Date Mandatory_ Date Time. Type		Document. Creation. Date Time		Minimum size: 8, maximum size: 17	(\d{4}-\d{2}-\d{2})(T\d{2}:\d{2}:\d{2})?			
Project_ Document. Copy_ Status. Code	Copy Type_ Code. Type		Document. Status. Code	Enumeration	CORR, DUPL, REIS, REPL, RESB				
Project_ Document. Response. Date Time	Date Mandatory_ Date Time. Type		Document. Response. Date Time		Minimum size: 8, maximum size: 17	(\d{4}-\d{2}-\d{2})(T\d{2}:\d{2}:\d{2})?			
Project_ Period. Duration. Measure	Duration_ Measure. Type		Period. Duration. Measure				Duration_ Measure Unit. Code	Enumeration: UN/ECE Rec.20 ANN, B98, C26, C47, D42, D61, D62, DAD, DAY, DEC, HE, HUR, MIN, MON, QH, RH, SAN, SEC, UD, UE, W4, WEE	

BBIE dictionary entry name	Data Type	Usage Rules	Core Component dictionary Entry Name	Content Component Restrictions			Supplementary component Restrictions		
				Restriction Type	Restriction Value	Expression Type	Supplementary Component Name	Supplementary Value	
Project_ Resource Assignment. Cost Management. Code	Cost Management_ Code. Type		Resource Assignment. Cost Value. Code	Enumeration	ACWP, AE, AF, BCWP, BCWS, CA, DAW, EST, FC, FOB, NDAW, NYAF, OC, OF, ZZZ, SA, TC, VCA, VSA				
Project_ Resource. Plan Measure_ Type. Code	Resource Plan Measure Type_ Code. Type		Resource. Type. Code	Enumeration	DC, HR, UN				
Project_ Resource. Cost_ Category. Code	Resource Cost Category_ Code. Type		Resource. Category. Code	Enumeration	LAB, MAT, ODC, SUBC				
Project_ Schedule Task Relationship. Type. Code	Schedule Task Relationship Type_ Code. Type		Schedule Task Relationship. Type. Code	Enumeration	F2F, F2S, S2F, S2S				
Project_ Task Relationship. Lag Time. Measure	Duration_ Measure. Type		Schedule Task Relationship. Lag Time. Measure				Duration_ Measure Unit. Code	Enumeration: UN/ECE Rec.20 ANN, B98, C26, C47, D42, D61, D62, DAD, DAY, DEC, HE, HUR, MIN, MON, QH, RH, SAN, SEC, UD, UE, W4, WEE	

BBIE dictionary entry name	Data Type	Usage Rules	Core Component dictionary Entry Name	Content Component Restrictions			Supplementary component Restrictions		
				Restriction Type	Restriction Value	Expression Type	Supplementary Component Name	Supplementary Value	
Project_ Schedule Task. Earned Value_ Method. Code	Earned Value Calculation Method_ Code. Type		Schedule Task. Method. Code	Enumeration	APPEFF, LOE, MSTN, PCT0100, PCT1000, PCT5050, PCTCOMP, PLNPCK, STNDS, UNT, ZZZ				
Project_ Schedule Task. Type Code	Schedule Task Type_ Code. Type		Schedule Task. Type. Code	Enumeration	AC, FA, HA, MS, SA, SUM				
Project_ Schedule Task. Total_ Duration. Measure	Duration_ Measure. Type		Schedule Task. Duration. Measure				Duration_ Measure Unit. Code	Enumeration: UN/ECE Rec.20 ANN, B98, C26, C47, D42, D61, D62, DAD, DAY, DEC, HE, HUR, MIN, MON, QH, RH, SAN, SEC, UD, UE, W4, WEE	
Project_ Schedule Task. Remaining_ Duration. Measure	Duration_ Measure. Type		Schedule Task. Duration. Measure				Duration_ Measure Unit. Code	Enumeration: UN/ECE Rec.20 ANN, B98, C26, C47, D42, D61, D62, DAD, DAY, DEC, HE, HUR, MIN, MON, QH, RH, SAN, SEC, UD, UE, W4, WEE	

BBIE dictionary entry name	Data Type	Usage Rules	Core Component dictionary Entry Name	Content Component Restrictions			Supplementary component Restrictions		
				Restriction Type	Restriction Value	Expression Type	Supplementary Component Name	Supplementary Value	
Project_ Schedule Task. Lag Time. Measure	Duration_ Measure. Type		Schedule Task. Lag Time. Measure				Duration_ Measure Unit. Code	Enumeration: UN/ECE Rec.20 ANN, B98, C26, C47, D42, D61, D62, DAD, DAY, DEC, HE, HUR, MIN, MON, QH, RH, SAN, SEC, UD, UE, W4, WEE	
Reported_ Hierarchical Structure. Type. Code	Hierarchical Structure Type_ Code. Type		Hierarchical Structure. Type. Code	Enumeration	IMP, IMS, MS, OBS, ZZZ, RBS, WBS				
Reporting_ Data Node. Earned Value_ Calculation Method. Code	Earned Value Method_ Code. Type		Data Node. Calculation Method. Code	Enumeration	APPEFF, LOE, MSTN, PCT0100, PCT1000, PCT5050, PCTCOMP, PLNPCK, STNDS, UNT, ZZZ				
Specified_ Programme. Type. Code	Programme Type_ Code. Type		Programme. Type. Code	Enumeration	AD, CE, CDT, DV, Dep, EMD, FRP, FSD, LRIP, O&M, ZZZ, Proc, Prod, RDT&E, SDD				
Standard Report_ Document. Creation. Date Time	Date Mandatory_ Date Time. Type		Document. Creation. Date Time		Minimum size: 8, maximum size: 17	(\d{4}-\d{2}-\d{2})(T\d{2}:\d{2}:\d{2})?			

BBIE dictionary entry name	Data Type	Usage Rules	Core Component dictionary Entry Name	Content Component Restrictions			Supplementary component Restrictions		
				Restriction Type	Restriction Value	Expression Type	Supplementary Component Name	Supplementary Value	
Variance_ Reporting Threshold. Trigger Type. Code	Reporting Threshold Trigger_ Code. Type		Reporting Threshold. Trigger Type. Code	Enumeration	BTH, PCT, VAL				
Variance_ Reporting Threshold. Cost Reporting. Code	Cost Reporting_ Code. Type		Reporting Cost Reporting. Code	Enumeration	DIR, FEE, FNG, G&A, LAB, MAT, TOT				

327 **5.2. Aggregate Business Information Entities section**

328 This section identifies any restrictions that have to be applied to the standard ABIEs being used.

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ABIE Business Term	Aggregate Core Component dictionary Entry Name	Inclusions (BBIEs to be included)	Exclusions (BBIEs to be excluded)	Additional Comments
Acknowledgement_ Document. Details	Document. Details	Reference_ Multiple Type. Indicator Multiple References. Indicator Identification. Identifier Type. Code Name. Text Issue. Date Time Report_ Submission. Date Time Receipt. Date Time Control Requirement. Indicator Creation. Date Time Status. Code Acknowledgement_ Status. Code Item Identification. Identifier	Purpose. Text Description. Text Attachment. Binary Object Copy. Indicator Response. Date Time Item Status. Code Remarks. Text	
Appropriating_ Party. Details	Party. Details	Identification. Identifier Name. Text Description. Text Access Rights. Code Language. Code	Type. Code Classification. Code Role. Code	
Approving_ Party. Details	Party. Details	Identification. Identifier Type. Code Name. Text Description. Text Access Rights. Code Language. Code	Classification. Code Role. Code	
Awarded_ Contract Change. Details	Contract Change. Details	Identification. Identifier Name. Text Description. Text Estimated Cost Difference. Amount Actual Cost Difference. Amount Negotiated_ Status. Code Effective. Date Time Completed Negotiations_ Effective. Date		

ABIE Business Term	Aggregate Core Component dictionary Entry Name	Inclusions (BBIEs to be included)	Exclusions (BBIEs to be excluded)	Additional Comments
Base_ Period. Details	Period. Details	Inclusive. Indicator Start. Date Time End. Date Time	Duration. Measure Description. Text Complete. Date Time Open. Indicator Sequence. Numeric Name. Text Season. Code Identification. Identifier	
Contractor_ Party. Details	Party. Details	Identification. Identifier Name. Text Description. Text Access Rights. Code Language. Code	Type. Code Classification. Code Role. Code	
Contract_ Performance Measurement. Details	Performance Measurement. Details	Penalty_ Calculation. Percent Bonus_ Calculation. Percent Basis. Amount Actual. Amount Calculated. Amount		
Cost Report_ Document. Details	Document. Details	Description. Text Amount Factor_ Description. Text Submission. Date Time Creation. Date Time	Multiple References. Indicator Multiple Type. Indicator Identification. Identifier Type. Code Name. Text Purpose. Text Issue. Date Time Receipt. Date Time Control Requirement. Indicator Attachment. Binary Object Status. Code Copy. Indicator Response. Date Time Item Identification. Identifier Item Status. Code Remarks. Text	

ABIE Business Term	Aggregate Core Component dictionary Entry Name	Inclusions (BBIEs to be included)	Exclusions (BBIEs to be excluded)	Additional Comments
Funding Report_ Document. Details	Document. Details	Description. Text Amount Factor_ Description. Text Last Reporting_ Submission. Date Time Creation. Date Time	Multiple References. Indicator Multiple Type. Indicator Identification. Identifier Type. Code Name. Text Purpose. Text Issue. Date Time Receipt. Date Time Control Requirement. Indicator Attachment. Binary Object Status. Code Copy. Indicator Response. Date Time Item Identification. Identifier Item Status. Code Remarks. Text	
Internet_ Communication. Details	Communication. Details	URI. Identifier Use. Code HTML Preferred. Indicator	Channel. Code Local Number. Text Complete Number. Text Country Number. Code Extension Number. Text Area Number. Code Access. Text	
Progress Monitored_ Contract. Details	Contract. Details	Identification. Identifier Completion. Percent Type. Code Funding_ Type. Code Security_ Type. Code Name. Text Description. Text Issue. Date Time Price. Amount Target_ Price. Amount Estimated Total_ Price. Amount Initial Funding Target_ Price. Amount Adjusted Funding Target_ Price. Amount Ceiling_ Price. Amount	Item. Identifier Item. Quantity	

ABIE Business Term	Aggregate Core Component dictionary Entry Name	Inclusions (BBIEs to be included)	Exclusions (BBIEs to be excluded)	Additional Comments
		Estimated Ceiling_ Price. Amount Extension. Indicator Start. Date Work_ Start. Date Definitization_ Start. Date Target_ Fee. Percent Expected_ End. Date Estimated_ End. Date Planned_ End. Date Last Item Delivery. Date Over Target Baseline. Date Original Negotiated_ Cost. Amount Target Fee_ Cost. Amount Negotiated_ Cost. Amount Authorized Unpriced Work Estimated_ Cost. Amount Cumulative Negotiated Changes_ Cost. Amount Minimum Fee_ Cost. Amount Maximum Fee_ Cost. Amount Fixed Fee_ Cost. Amount Original Award Fee_ Cost. Amount Non Fee Bearing_ Cost. Amount Current Target_ Cost. Amount Total Allocated Budget_ Cost. Amount Initial Funding Ceiling_ Cost. Amount Adjusted Funding Ceiling_ Cost. Amount Fiscal Funding Year. Identifier		
Progress Monitored_ Project Portfolio. Details	Project Portfolio. Details	Identification. Identifier Name. Text Description. Text Category. Text		
Progress Monitored_ Project. Details	Project. Details	Identification. Identifier Contract. Identifier Project Portfolio. Identifier Description. Text Name. Text Type. Code Constraint. Indicator	Budget. Amount Works Type. Code	

ABIE Business Term	Aggregate Core Component dictionary Entry Name	Inclusions (BBIEs to be included)	Exclusions (BBIEs to be excluded)	Additional Comments
Project Reporting_ Calendar. Details	Calendar. Details	Identification. Identifier Name. Text Description. Text End. Date	Start. Date Holiday. Date	
Project Schedule_ Calendar. Details	Calendar. Details	Identification. Identifier Name. Text Description. Text Holiday. Date	Start. Date End. Date	
Project_ Contact. Details	Contact. Details	Identification. Identifier Job Title. Text Responsibility. Text Department Name. Text Type. Code Person Name. Text	Primary. Indicator	
Project_ Contract Line Item. Details	Contract Line Item. Details	Identification. Identifier Name. Text Description. Text Total. Quantity		
Project_ Cost. Details	Cost. Details	Identification. Identifier Name. Text Description. Text Cost Management_ Type. Code Cost Reporting_ Type. Code Component. Amount Effective. Date Hours_ Component. Quantity Equivalent Heads_ Component. Quantity Material_ Component. Quantity Material_ Component Name. Text		

ABIE Business Term	Aggregate Core Component dictionary Entry Name	Inclusions (BBIEs to be included)	Exclusions (BBIEs to be excluded)	Additional Comments
Project_ Document. Details	Document. Details	Identification. Identifier Type. Code Name. Text Purpose. Text Description. Text Issue. Date Time Submission. Date Time Receipt. Date Time Control Requirement. Indicator Creation. Date Time Copy_ Status. Code Copy. Indicator Response. Date Time	Multiple References. Indicator Multiple Type. Indicator Attachment. Binary Object Item Identification. Identifier Item Status. Code Remarks. Text	
Project_ Location. Details	Location. Details	Identification. Identifier Name. Text Type. Code Directions. Text Description. Text District. Identifier		
Project_ Note. Details	Note. Details	Identification. Identifier Name. Text Content. Text Creation. Date Time	Subject. Code Content. Code	
Project_ Organization. Details	Organization. Details	Business Type. Code Legal Classification. Code Tax Registration. Identifier Name. Text Identification. Identifier Description. Text District. Identifier	Contact Required. Indicator	

ABIE Business Term	Aggregate Core Component dictionary Entry Name	Inclusions (BBIEs to be included)	Exclusions (BBIEs to be excluded)	Additional Comments
Project_ Party. Details	Party. Detail	Identification. Identifier Type. Code Name. Text Description. Text Access Rights. Code Classification. Code Role. Code Language. Code		
Project_ Period. Details	Period. Details	Duration. Measure Inclusive. Indicator Description. Text Start. Date Time End. Date Time Complete. Date Time Sequence. Numeric Name. Text	Open. Indicator Season. Code Identification. Identifier	
Project_ Person. Details	Person. Details	Identification. Identifier Name. Text Given Name. Text Middle Name. Text Family Name. Text Title. Text Salutation. Text Family Name Prefix. Text Name Suffix. Text Gender. Code Language. Identifier Maiden Name. Text Preferred Name. Text	Alias. Text Marital Status. Code Birth. Date Time Age. Measure Death. Date Time Description. Text	
Project_ Resource Assignment. Details	Resource Assignment. Details	Identification. Identifier Name. Text Cost Management. Code Resource. Amount Duration Based. Indicator Hour_ Resource. Quantity Material_ Resource. Quantity		

ABIE Business Term	Aggregate Core Component dictionary Entry Name	Inclusions (BBIEs to be included)	Exclusions (BBIEs to be excluded)	Additional Comments
Project_ Resource. Details	Resource. Details	Identification. Identifier Name. Text Description. Text Plan Measure_ Type. Code Availability. Quantity Unit Cost. Amount Unit Cost Measure. Code Cost Category. Code		
Project_ Task Relationship. Details	Task Relationship. Details	Identification. Identifier Name. Text Description. Text Type. Code Lag Time. Measure		
Project_ Schedule Task. Details	Schedule Task. Details	Identification. Identifier Data Node_ Identification. Identifier Name. Text Description. Text Risk Level_ Description. Text Calculated_ Completion. Percent Assessed_ Completion. Percent Priority Ranking. Numeric Earned Value_ Method. Code Schedule Level. Numeric Free_ Float. Numeric Total_ Float. Numeric Milestone Weight. Numeric Type. Code Total_ Duration. Measure Remaining_ Duration. Measure Critical Path. Indicator Reserve. Indicator Complete. Date Time Lag Time. Measure		
Project_ Work Shift. Details	Work Shift. Details	Identification. Identifier Start_ Day. Code Work_ Day. Code Name. Text		

ABIE Business Term	Aggregate Core Component dictionary Entry Name	Inclusions (BBIEs to be included)	Exclusions (BBIEs to be excluded)	Additional Comments
Reported_ Hierarchical Structure. Details	Hierarchical Structure. Details	Identification. Identifier Name. Text Description. Text Type. Code		
Reporting_ Data Node. Details	Data Node. Details	Identification. Identifier Associated Cost_ Identification. Identifier Variance Analysis Note_ Identification. Identifier Parent Node_ Identification. Identifier Data Structure_ Identification. Identifier Cross Reference_ Identification. Identifier Name. Text Description. Text Risk Level_ Description. Text Hierarchical Level. Numeric Earned Value_ Calculation Method. Code Summary Exclusion. Indicator Sequence. Numeric		
Requesting_ Party. Details	Party. Details	Identification. Identifier Type. Code Name. Text Description. Text Access Rights. Code Language. Code	Classification. Code Role. Code	
Specified_ Geographical Coordinate. Details	Geographical Coordinate. Details	Altitude. Measure Latitude. Measure Longitude. Measure Latitude Direction. Indicator Longitude Direction. Indicator System. Identifier		
Specified_ Programme. Details	Programme. Details	Identification. Identifier Name. Text Type. Code Description. Text Sponsor Name. Text		

ABIE Business Term	Aggregate Core Component dictionary Entry Name	Inclusions (BBIEs to be included)	Exclusions (BBIEs to be excluded)	Additional Comments
Standard Report_ Document. Details	Document. Details	Description. Text Creation. Date Time	Multiple References. Indicator Multiple Type. Indicator Identification. Identifier Type. Code Name. Text Purpose. Text Issue. Date Time Submission. Date Time Receipt. Date Time Control Requirement. Indicator Attachment. Binary Object Status. Code Copy. Indicator Response. Date Time Item Identification. Identifier Item Status. Code Remarks. Text	
Telecommunication_ Communication. Details	Communication. Details	Local Number. Text Complete Number. Text Country Number. Code Extension Number. Text Area Number. Code Internal_ Access. Text Use. Code	URI. Identifier Channel. Code HTML Preferred. Indicator	

ABIE Business Term	Aggregate Core Component dictionary Entry Name	Inclusions (BBIEs to be included)	Exclusions (BBIEs to be excluded)	Additional Comments
Unstructured_ Address. Details	Address. Details	Identification. Identifier Postcode. Code Line One. Text Line Two. Text Line Three. Text Line Four. Text Line Five. Text City Name. Text Country. Identifier City Sub-Division Name. Text Country Name. Text	Format. Code Post Office Box. Text Block Name. Text Building Number. Text Building Name. Text Room Identification. Text Department Name. Text Floor Identification. Text In-House Mail. Text Plot Identification. Text Street Name. Text Attention Of. Text Care Of. Text Type. Code Country Sub-Division. Identifier Country Sub-Division Name. Text Description. Text	
Variance_ Reporting Threshold. Details	Reporting Threshold. Details	Identification. Identifier Name. Text Description. Text Trigger Type. Code Cost Reporting. Code Current Cost_ Minimum Variance. Amount Current Schedule_ Minimum Variance. Amount Cumulative Cost_ Minimum Variance. Amount Cumulative Schedule_ Minimum Variance. Amount At Complete_ Minimum Variance. Amount Current Cost_ Minimum Variance. Percent Current Schedule_ Minimum Variance. Percent Cumulative Cost_ Minimum Variance. Percent Cumulative Schedule_ Minimum Variance. Percent At Complete_ Minimum Variance. Percent		

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5.3. Association Business Information Entities section

This section identifies any all the ASBIEs where multiplicity restrictions will be applied.

ASBIE name	Multiplicity restriction	Additional comments
Awarded Contract Change. Identified. Requesting Party	0..1	
Awarded Contract Change. Identified. Approving Party	0..1	
Progress Monitored Contract. Identified. Appropriating Party	0..1	
Progress Monitored Contract. Funds Authorization Reference. Project Document	0..1	
Progress Monitored Contract. Appropriation Effective. Project Period	0..1	
Progress Monitored Contract. Principal. Specified Programme	0..1	
Progress Monitored Contract. Incentive. Contract Performance Measurement	0..1	
Progress Monitored Project. Baseline Plan. Project Period	0..1	
Progress Monitored Project. Actual Plan. Project Period	0..1	
Progress Monitored Project. Estimated Plan. Project Period	0..1	
Progress Monitored Project. Reporting Plan. Project Period	0..1	
Project Contact. Fax. Telecommunication Communication	0..1	
Project Cost. Associated. Project Resource	0..1	
Project Resource Assignment. Allocated. Project Period	1..1	
Project Resource Assignment. Allocated. Project Resource	0..1	
Project Resource Assignment. Project Schedule Calendar	0..1	
Project Resource. Availability. Project Period	1..n	
Project Schedule Task. Schedule. Project Schedule Calendar	0..1	
Project Schedule Task. Current Schedule. Base Period	0..1	
Project Schedule Task. Early Schedule. Base Period	0..1	
Project Schedule Task. Late Schedule. Base Period	0..1	
Project Schedule Task. Actual Schedule. Base Period	0..1	
Project Schedule Task. Target Schedule. Base Period	0..1	
Project Schedule Task. Resource Schedule. Base Period	0..1	
Project Schedule Task. Best Case Schedule. Base Period	0..1	
Project Schedule Task. Most Likely Schedule. Base Period	0..1	
Project Schedule Task. Worst Case Schedule. Base Period	0..1	
Project Schedule Task. Estimated Schedule. Base Period	0..1	
Project Schedule Task. Baseline Schedule. Base Period	0..1	
Project Schedule Task. Reporting. Project Period	0..1	
Project Work Shift. Effective. Period	1..1	
Reported Hierarchical Structure. Element. Data Node	1..n	

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6. CORE COMPONENTS UN/CEFACT REGISTRY VERSION USED

This is based on the Core Components library 06B dated November 28, 2006.

7. DRAFT CORE COMPONENT REFERENCE

ACC/ BCC/ ASCC	Dictionary Entry Name	Definition	Object Class Term	Property Term	Representation Term	Associated Object Class	Occurrence Min	Occurrence Max
ACC	Calendar. Details	A calendar is a system that defines beginning, ending, length, and subdivisions of a period of time.	Calendar					
BCC	Calendar. Identification. Identifier	A unique identifier for this calendar.	Calendar	Identification	Identifier		0	unbounded
BCC	Calendar. Name. Text	A name, expressed as text, for this calendar.	Calendar	Name	Text		0	unbounded
BCC	Calendar. Description. Text	A textual description of this calendar.	Calendar	Description	Text		0	unbounded
BCC	Calendar. Start. Date	A date on which this calendar starts.	Calendar	Start	Date		0	unbounded
BCC	Calendar. End. Date	A date on which this calendar ends.	Calendar	End	Date		0	unbounded
BCC	Calendar. Holiday. Date	A date which is a holiday for this calendar.	Calendar	Holiday	Date		0	unbounded
ASCC	Calendar. Specified. Period	A specified period within this calendar.	Calendar	Specified		Period	0	unbounded
ASCC	Calendar. Associated. Work Shift	A work shift associated with this calendar.	Calendar	Associated		Work Shift	0	unbounded
ACC	Contract Change. Details	A contract change describes changes made to the scope of work of a contract after the contract has been initiated. It includes both negotiated and non-negotiated (preliminary) changes.	Contract Change					
BCC	Contract Change. Identification. Identifier	A unique identifier for this contract change.	Contract Change	Identification	Identifier		1	unbounded
BCC	Contract Change. Name. Text	A name, expressed as text, for this contract change.	Contract Change	Name	Text		0	unbounded
BCC	Contract Change. Description. Text	A textual description of this contract change.	Contract Change	Description	Text		0	unbounded
BCC	Contract Change. Estimated Cost Difference. Amount	A monetary value of an estimated cost difference for this contract change.	Contract Change	Estimated Cost Difference	Amount		0	unbounded
BCC	Contract Change. Actual Cost Difference. Amount	A monetary value of an actual cost difference for this contract change.	Contract Change	Actual Cost Difference	Amount		0	unbounded
BCC	Contract Change. Status. Code	A code specifying a status for this contract change.	Contract Change	Status	Code		0	unbounded

ACC/ BCC/ ASCC	Dictionary Entry Name	Definition	Object Class Term	Property Term	Representation Term	Associated Object Class	Occurrence Min	Occurrence Max
BCC	Contract Change. Effective. Date	A date on which the contract change has or will become effective.	Contract Change	Effective	Date		0	unbounded
ASCC	Contract Change. Identified. Party	A party identified in this contract change.	Contract Change	Identified		Party	0	unbounded
BCC	Contract. Fee. Percent	A percent of the contract price to be granted as a fee to the provider of the goods or services specified in this contract.	Contract	Fee	Percent		0	unbounded
BCC	Contract. End. Date	A date on which this contract ends.	Contract	End	Date		0	unbounded
BCC	Contract. Cost. Amount	A monetary value for a cost of the goods or services stipulated by this contract, exclusive of fees or profit.	Contract	Cost	Amount		0	unbounded
BCC	Contract. Funding Year. Identifier	A unique identifier of a funding year for this contract.	Contract	Funding Year	Identifier		0	unbounded
BCC	Contract. Last Item Delivery. Date	A date on which the last item was or will be delivered for this contract.	Contract	Last Item Delivery	Date		0	unbounded
BCC	Contract. Over Target Baseline. Date	The date on which this contract was re-scoped after exceeding the target baseline.	Contract	Over Target Baseline	Date		0	unbounded
ASCC	Contract. Modification. Contract Change	A contract change describing modification of the terms of this contract after adoption.	Contract	Modification		Contract Change	0	unbounded
ASCC	Contract. Associated. Cost	A cost associated with this contract.	Contract	Associated		Cost	0	unbounded
ASCC	Contract. Principal. Programme	A principal programme of this contract.	Contract	Principal		Programme	0	unbounded
ASCC	Contract. Contained. Project Portfolio	A portfolio of individual projects contained within this contract that are tracked together.	Contract	Contained		Project Portfolio	0	unbounded
ASCC	Contract. Incentive. Performance Measurement	A performance measurement which provides incentive for above expectations performance in this project.	Contract	Incentive		Performance Measurement	0	unbounded
ASCC	Contract. Contained. Project	A project contained within this contract.	Contract	Contained		Project	0	unbounded
ASCC	Contract. Specified. Contract Line Item	A contract line item specified in this contract.	Contract	Specified		Contract Line Item	0	unbounded
ACC	Contract Line Item. Details	A contract line item is a distinct, separately defined line item specified in a contract.	Contract Line Item					
BCC	Contract Line Item. Identification. Identifier	A unique identifier for this contract line item.	Contract Line Item	Identification	Identifier		0	unbounded
BCC	Contract Line Item. Name. Text	A name, expressed as text, for this contract line item.	Contract Line Item	Name	Text		0	unbounded
BCC	Contract Line Item. Description. Text	A textual description of this contract line item.	Contract Line Item	Description	Text		0	unbounded
BCC	Contract Line Item. Total. Quantity	A total quantity for this contract line item.	Contract Line Item	Total	Quantity		0	unbounded
ACC	Cost. Details	Cost is the effort or loss necessary to achieve a specified goal.	Cost					

ACC/ BCC/ ASCC	Dictionary Entry Name	Definition	Object Class Term	Property Term	Representation Term	Associated Object Class	Occurrence Min	Occurrence Max
BCC	Cost. Identification. Identifier	A unique identifier for this cost.	Cost	Identification	Identifier		0	n
BCC	Cost. Name. Text	A name, expressed as text, for this cost.	Cost	Name	Text		0	n
BCC	Cost. Description. Text	A textual description of this cost.	Cost	Description	Text		0	n
BCC	Cost. Type. Code	A code specifying a type for this cost.	Cost	Type	Code		0	n
BCC	Cost. Component. Amount	A monetary value that is a component of this cost.	Cost	Component	Amount		0	n
BCC	Cost. Effective. Date	A date on which this cost has or will become effective.	Cost	Effective	Date		0	n
BCC	Cost. Component. Quantity	A quantity, such as hours, material, or people, that is a component of this cost.	Cost	Component	Quantity		0	unbounded
BCC	Cost. Component Name. Text	A name, expressed as text, for a component of this cost.	Cost	Component Name	Text		0	unbounded
ASCC	Cost. Included. Resource	A resource included in this cost.	Cost	Included		Resource	0	unbounded
ASCC	Cost. Reporting. Period	The reporting period over which this cost is tracked.	Cost	Reporting		Period	0	1
ACC	Data Node. Details	A single element or node within a data structure, usually a hierarchical structure.	Data Node					
BCC	Data Node. Identification. Identifier	A unique identifier for this data node.	Data Node	Identification	Identifier		0	unbounded
BCC	Data Node. Name. Text	A name, expressed as text, for this data node.	Data Node	Name	Text		0	unbounded
BCC	Data Node. Description. Text	A textual description of this data node.	Data Node	Description	Text		0	unbounded
BCC	Data Node. Hierarchical Level. Numeric	A number (integer) representing how deeply nested within the hierarchical tree structure the data node lies. For example, level 1 may mean it is a top level node, and level 4 may mean that there are three levels of nodes above this node in the tree.	Data Node	Hierarchical Level	Numeric		0	unbounded
BCC	Data Node. Calculation Method. Code	A code specifying a calculation method for this data node.	Data Node	Calculation Method	Code		0	unbounded
BCC	Data Node. Summary Exclusion. Indicator	An indication of whether or not the values within this data node should be excluded from summaries at a higher level.	Data Node	Summary Exclusion	Indicator		0	unbounded
BCC	Data Node. Sequence. Numeric	A number representing the sequence of this data node among all other data nodes at the same level in the hierarchical tree.	Data Node	Sequence	Numeric		0	unbounded
ASCC	Data Node. Subordinate. Data Node	A data node that is subordinate to this data node.	Data Node	Subordinate		Data Node	0	unbounded
ACC	Hierarchical Structure. Details	A hierarchical structure is used to identify, organize, and summarize hierarchical information.	Hierarchical Structure					

ACC/ BCC/ ASCC	Dictionary Entry Name	Definition	Object Class Term	Property Term	Representation Term	Associated Object Class	Occurrence Min	Occurrence Max
BCC	Hierarchical Structure. Identification. Identifier	A unique identifier for this hierarchical structure.	Hierarchical Structure	Identification	Identifier		0	unbounded
BCC	Hierarchical Structure. Name. Text	A name, expressed as text, of this hierarchical structure.	Hierarchical Structure	Name	Text		0	unbounded
BCC	Hierarchical Structure. Description. Text	A textual description of this hierarchical structure.	Hierarchical Structure	Description	Text		0	unbounded
BCC	Hierarchical Structure. Type. Code	A code specifying the type of this hierarchical structure, such as a work breakdown or organizational breakdown.	Hierarchical Structure	Type	Code		0	unbounded
ASCC	Hierarchical Structure. Component. Data Node	A data node that is a component of this hierarchical structure.	Hierarchical Structure	Component		Data Node	0	unbounded
ASCC	Hierarchical Structure. Used. Project	A project which uses this hierarchical structure.	Hierarchical Structure	Used		Project	0	unbounded
ASCC	Hierarchical Structure. Associated. Cost	A cost associated with this hierarchical structure.	Hierarchical Structure	Associated		Cost	0	unbounded
ACC	Note. Details	A note is a textual or coded description, such as a remark or additional information.	Note					
BCC	Note. Subject. Code	The code specifying the subject of this note.	Note	Subject	Code		0	1
BCC	Note. Content. Text	Content, expressed as text, of a note.	Note	Content	Text		0	unbounded
BCC	Note. Content. Code	The content, expressed as a code, of this note.	Note	Content	Code		0	1
BCC	Note. Identification. Identifier	A unique identifier for this note.	Note	Identification	Identifier		0	unbounded
BCC	Note. Name. Text	A name, expressed as text, of this note.	Note	Name	Text		0	unbounded
BCC	Note. Creation. Date Time	The date, time or date time, of the creation of this note.	Note	Creation	Date Time		0	1
ACC	Performance Measurement. Details	A performance measurement is a means of calculating a benefit gained by or penalty against a person or organization based on predefined criteria.	Performance Measurement					
BCC	Performance Measurement. Calculation. Percent	A percent value used in a calculation for this performance measurement.	Performance Measurement	Calculation	Percent		0	unbounded
BCC	Performance Measurement. Basis. Amount	A monetary value used as a basis in calculating this performance measurement.	Performance Measurement	Basis	Amount		0	unbounded
BCC	Performance Measurement. Actual. Amount	A monetary value of an actual amount for this performance measurement.	Performance Measurement	Actual	Amount		0	unbounded
BCC	Performance Measurement. Calculated. Amount	A monetary value of a calculated amount for this performance measurement.	Performance Measurement	Calculated	Amount		0	unbounded
BCC	Period. Name. Text	A name, expressed as text, of this period.	Period	Name	Text		0	unbounded

ACC/ BCC/ ASCC	Dictionary Entry Name	Definition	Object Class Term	Property Term	Representation Term	Associated Object Class	Occurrence Min	Occurrence Max
BCC	Period. Sequence. Numeric	A sequence number for this period.	Period	Sequence	Numeric		0	unbounded
ACC	Programme. Details	A programme is a set of related measures, activities or projects with a common goal.	Programme					
BCC	Programme. Identification. Identifier	A unique identifier for this programme.	Programme	Identification	Identifier		0	unbounded
BCC	Programme. Name. Text	A name, expressed as text, of this programme.	Programme	Name	Text		0	unbounded
BCC	Programme. Type. Code	A code specifying the type of programme.	Programme	Type	Code		0	unbounded
BCC	Programme. Description. Text	A textual description of this programme.	Programme	Description	Text		0	unbounded
BCC	Programme. Sponsor Name. Text	A name, expressed as text, of a sponsor for this programme.	Programme	Sponsor Name	Text		0	unbounded
ACC	Project Portfolio. Details	A project portfolio is a collection of individual projects that are tracked together.	Project Portfolio					
BCC	Project Portfolio. Identification. Identifier	A unique identifier for this project portfolio.	Project Portfolio	Identification	Identifier		0	unbounded
BCC	Project Portfolio. Name. Text	A name, expressed as text, of this project portfolio.	Project Portfolio	Name	Text		0	unbounded
BCC	Project Portfolio. Description. Text	A textual description of this project portfolio.	Project Portfolio	Description	Text		0	unbounded
BCC	Project Portfolio. Category. Text	A category, expressed as text, for this project portfolio.	Project Portfolio	Category	Text		0	unbounded
ASCC	Project Portfolio. Component. Project	A project that is a component of this project portfolio.	Project Portfolio	Component		Project	0	unbounded
ASCC	Project Portfolio. Management Reserve. Cost	A management reserve set aside for contingencies that is accounted for as a cost for this project portfolio.	Project Portfolio	Management Reserve		Cost	0	unbounded
BCC	Project. Contract. Identifier	A unique identifier for a contract for this project.	Project	Contract	Identifier		0	unbounded
BCC	Project. Project Portfolio. Identifier	A unique identifier for a project portfolio for this project.	Project	Project Portfolio	Identifier		0	unbounded
ASCC	Project. Baseline. Calendar	A baseline calendar for this project.	Project	Baseline		Calendar	0	unbounded
ASCC	Project. Managed. Cost	A cost that is managed within this project.	Project	Managed		Cost	0	unbounded
ASCC	Project. Management Reserve. Cost	A management reserve cost item set aside for contingencies that is accounted for as a cost for this project.	Project	Management Reserve		Cost	0	unbounded
ASCC	Project. Undistributed Budget. Cost	An undistributed budget item that has not been allocated to any task that is accounted for as a cost for this project.	Project	Undistributed Budget		Cost	0	unbounded
ASCC	Project. Overhead. Cost	An overhead cost item representing routine administrative and maintenance expenses for this project.	Project	Overhead		Cost	0	unbounded
ASCC	Project. Funds Borrowed. Cost	A cost of funds borrowed for this project.	Project	Funds Borrowed		Cost	0	unbounded

ACC/ BCC/ ASCC	Dictionary Entry Name	Definition	Object Class Term	Property Term	Representation Term	Associated Object Class	Occurrence Min	Occurrence Max
ACC	Reporting Threshold. Details	A reporting threshold is the trigger point for initiating a reporting action.	Reporting Threshold					
BCC	Reporting Threshold. Identification. Identifier	A unique identifier for this reporting threshold.	Reporting Threshold	Identification	Identifier		0	unbounded
BCC	Reporting Threshold. Name. Text	A name, expressed as text, of this reporting threshold.	Reporting Threshold	Name	Text		0	unbounded
BCC	Reporting Threshold. Description. Text	A textual description of this reporting threshold.	Reporting Threshold	Description	Text		0	unbounded
BCC	Reporting Threshold. Trigger Type. Code	A code specifying a trigger type for this reporting threshold.	Reporting Threshold	Trigger Type	Code		0	unbounded
BCC	Reporting Threshold. Cost Reporting. Code	A code specifying a cost reporting type for this reporting threshold, such as hours, direct costs, or total cost.	Reporting Threshold	Cost Reporting	Code		0	unbounded
BCC	Reporting Threshold. Minimum Variance. Amount	A monetary value for a minimum variance reporting threshold.	Reporting Threshold	Minimum Variance	Amount		0	unbounded
BCC	Reporting Threshold. Minimum Variance. Percent	A percent value for a minimum variance reporting threshold.	Reporting Threshold	Minimum Variance	Percent		0	unbounded
ASCC	Reporting Threshold. Applied. Data Node	A data node to which this reporting threshold is applied.	Reporting Threshold	Applied		Data Node	0	unbounded
ACC	Resource. Details	A resource is a stock or supply of people, materials, or assets.	Resource					
BCC	Resource. Identification. Identifier	A unique identifier for this resource.	Resource	Identification	Identifier		0	unbounded
BCC	Resource. Name. Text	A name, expressed as text, of this resource.	Resource	Name	Text		0	unbounded
BCC	Resource. Description. Text	A textual description of this resource.	Resource	Description	Text		0	unbounded
BCC	Resource. Type. Code	A code specifying a type of resource.	Resource	Type	Code		0	unbounded
BCC	Resource. Availability. Quantity	A quantity of this resource that is available.	Resource	Availability	Quantity		0	unbounded
BCC	Resource. Unit Cost. Amount	The amount of the cost per unit of this resource.	Resource	Unit Cost	Amount		0	1
BCC	Resource. Unit Cost Measure. Code	The code specifying the unit of measure for the cost of this resource.	Resource	Unit Cost Measure	Code		0	1
BCC	Resource. Category. Code	A code specifying a category of this resource, such as labor or materials	Resource	Category	Code		0	unbounded
ASCC	Resource. Availability. Period	A period when this resource is available.	Resource	Availability		Period	1	unbounded
ASCC	Resource. Schedule. Calendar	A schedule calendar for this resource.	Resource	Schedule		Calendar	0	unbounded

ACC/ BCC/ ASCC	Dictionary Entry Name	Definition	Object Class Term	Property Term	Representation Term	Associated Object Class	Occurrence Min	Occurrence Max
ACC	Resource Assignment. Details	A resource assignment is an assignment of a resource to a particular work task.	Resource Assignment					
BCC	Resource Assignment. Identification. Identifier	A unique identifier for this resource assignment.	Resource Assignment	Identification	Identifier		0	unbounded
BCC	Resource Assignment. Name. Text	A name, expressed as text, for this resource assignment.	Resource Assignment	Name	Text		0	unbounded
BCC	Resource Assignment. Cost Management. Code	A code specifying a cost management for this resource assignment.	Resource Assignment	Cost Management	Code		0	unbounded
BCC	Resource Assignment. Resource. Amount	A monetary value of a resource for this resource assignment.	Resource Assignment	Resource	Amount		0	unbounded
BCC	Resource Assignment. Duration Based. Indicator	An indication of whether or not this resource assignment allocation is based on duration.	Resource Assignment	Duration Based	Indicator		0	unbounded
BCC	Resource Assignment. Resource. Quantity	A quantity of a resource for this resource assignment.	Resource Assignment	Resource	Quantity		0	unbounded
ASCC	Resource Assignment. Allocated. Period	A period over which a resource is allocated by this resource assignment.	Resource Assignment	Allocated		Period	1	unbounded
ASCC	Resource Assignment. Allocated. Resource	A resource which is allocated by this resource assignment.	Resource Assignment	Allocated		Resource	0	unbounded
ASCC	Resource Assignment. Schedule. Calendar	A calendar schedule for this resource assignment.	Resource Assignment	Schedule		Calendar	0	unbounded
ACC	Schedule Task. Details	A schedule task is a cohesive activity, collection of activities, or milestone with a definite duration or date which is required to achieve a deliverable.	Schedule Task					
BCC	Schedule Task. Identification. Identifier	A unique identifier for this schedule task.	Schedule Task	Identification	Identifier		0	unbounded
BCC	Schedule Task. Name. Text	A name, expressed as text, of this schedule task.	Schedule Task	Name	Text		0	unbounded
BCC	Schedule Task. Description. Text	A textual description of this schedule task.	Schedule Task	Description	Text		0	unbounded
BCC	Schedule Task. Completion. Percent	A percent of the completion of this schedule task.	Schedule Task	Completion	Percent		0	unbounded
BCC	Schedule Task. Priority Ranking. Numeric	A number of the priority ranking of this schedule task.	Schedule Task	Priority Ranking	Numeric		0	unbounded
BCC	Schedule Task. Method. Code	A code specifying a method for this schedule task.	Schedule Task	Method	Code		0	unbounded
BCC	Schedule Task. Schedule Level. Numeric	A number representing the level within the schedule of this schedule task.	Schedule Task	Schedule Level	Numeric		0	unbounded
BCC	Schedule Task. Float Duration. Measure	A measure of the float duration of this schedule task.	Schedule Task	Float Duration	Measure		0	unbounded
BCC	Schedule Task. Milestone Weight. Numeric	A value of a milestone weight for this schedule task.	Schedule Task	Milestone Weight	Numeric		0	unbounded
BCC	Schedule Task. Type. Code	A code specifying a type of this schedule task.	Schedule Task	Type	Code		0	unbounded

ACC/ BCC/ ASCC	Dictionary Entry Name	Definition	Object Class Term	Property Term	Representation Term	Associated Object Class	Occurrence Min	Occurrence Max
BCC	Schedule Task. Duration. Measure	A measure of a time duration for this schedule task.	Schedule Task	Duration	Measure		0	unbounded
BCC	Schedule Task. Critical Path. Indicator	An indication of whether or not this schedule task is on the critical path.	Schedule Task	Critical Path	Indicator		0	unbounded
BCC	Schedule Task. Reserve. Indicator	An indication of whether or not this schedule task is a reserve task.	Schedule Task	Reserve	Indicator		0	unbounded
BCC	Schedule Task. Completion. Date Time	A date, time, date time, or other date time value for the completion of this schedule task.	Schedule Task	Completion	Date Time		0	unbounded
BCC	Schedule Task. Lag Time. Measure	A measure of the lag time between this schedule task and any dependent task.	Schedule Task	Lag Time	Measure		0	unbounded
ASCC	Schedule Task. Schedule. Calendar	A schedule calendar for this schedule task.	Schedule Task	Schedule		Calendar	0	unbounded
ASCC	Schedule Task. Scheduled. Period	A scheduled period of time for this schedule task.	Schedule Task	Scheduled		Period	0	unbounded
ASCC	Schedule Task. Reporting. Period	A reporting period for this schedule task.	Schedule Task	Reporting		Period	0	unbounded
ASCC	Schedule Task. Required. Resource Assignment	A resource assignment that is required in order to accomplish this schedule task.	Schedule Task	Required		Resource Assignment	0	unbounded
ASCC	Schedule Task. Details	A schedule task is a cohesive activity, collection of activities, or milestone with a definite duration or date which is required to achieve a deliverable.	Schedule Task				0	unbounded
ACC	Schedule Task Relationship. Details	A schedule task relationship defines the dependencies between schedule tasks.	Schedule Task Relationship					
BCC	Schedule Task Relationship. Identification. Identifier	A unique identifier for this schedule task relationship.	Schedule Task Relationship	Identification	Identifier		0	unbounded
BCC	Schedule Task Relationship. Name. Text	A name, expressed as text, of this schedule task relationship.	Schedule Task Relationship	Name	Text		0	unbounded
BCC	Schedule Task Relationship. Description. Text	A textual description of this schedule task relationship.	Schedule Task Relationship	Description	Text		0	unbounded
BCC	Schedule Task Relationship. Type. Code	A code specifying a type of schedule task relationship such as a finish to start or start to start.	Schedule Task Relationship	Type	Code		0	unbounded
BCC	Schedule Task Relationship. Lag Time. Measure	A measure of the lag time to a dependent task in this schedule task relationship.	Schedule Task Relationship	Lag Time	Measure		0	unbounded
ASCC	Schedule Task Relationship. Specified. Schedule Task	A schedule task specified in the schedule task relationship.	Schedule Task Relationship	Specified		Schedule Task	0	unbounded
ACC	Work Shift. Details	A work shift is either a period of work that has a predetermined starting and ending time or a regularly scheduled configuration or pattern of work periods and days off, or both. This configuration may repeat itself on a weekly, biweekly, or longer-term basis.	Work Shift					
BCC	Work Shift. Identification. Identifier	A unique identifier for this work shift.	Work Shift	Identification	Identifier		0	unbounded

ACC/ BCC/ ASCC	Dictionary Entry Name	Definition	Object Class Term	Property Term	Representation Term	Associated Object Class	Occurrence Min	Occurrence Max
BCC	Work Shift. Day. Code	A code specifying a day for this work shift.	Work Shift	Day	Code		0	unbounded
BCC	Work Shift. Name. Text	A name, expressed as text, of this work shift.	Work Shift	Name	Text		0	unbounded
ASCC	Work Shift. Effective. Period	A period for which this work shift is effective.	Work Shift	Effective		Period	0	unbounded

8. ADDITIONAL DOCUMENTATION

9. ADDITIONAL INFORMATION