# Changes to B2MML V0601

## B2MML-V0601-Common.xsd

1. Added a </xsd:choice> option to allow either the element name “*EquipmentLevel*” or “*EquipmentElementLevel*” in the *HierarchyScopeType*. The older name was in the older version of ISA 95. The newer “*EquipmentLevel*” is in the latest Part 2 draft, and has been approved by the committee. Existing XML files will still work. Both the new element name and the old element name have the same type (*EquipmentElementLevelType*).
2. Added optional “*HierarchyScope*” to *TestResultType*.
3. Added new enumerations to the *MaterialUse1Type* of *By-product produced* and *Co-product produced*.
4. Added optional *HierarchyScope* to *ParameterType*. This adds the hierarchy scope to all uses of parameter.
5. Added optional UnitOfMeaseure to SegmentDependencyType. There was no unit of measure for the timing factor, so this fixes that problem.
6. Addition of an optional *HierarchyScope* to *OpPersonnelSpecificationType*
7. Addition of an optional *HierarchyScope* to *OpEquipmentSpecificationType*
8. Addition of an optional *HierarchyScope* to *OpPhysicalAssetSpecificationType*
9. Addition of an optional *HierarchyScope* to *OpMaterialSpecificationType*
10. Addition of an optional *HierarchyScope* to *OpPersonnelRequirementType*
11. Addition of an optional *HierarchyScope* to *OpEquipmentRequirementType*
12. Addition of an optional *HierarchyScope* to *OpPhysicalAssetRequirementType*
13. Addition of an optional *HierarchyScope* to *OpMaterialRequirementType*
14. Addition of an optional *HierarchyScope* to *OpPersonnelCapabilityType*
15. Addition of an optional *HierarchyScope* to *OpEquipmentCapabilityType*
16. Addition of an optional *HierarchyScope* to *OpPhysicalAssetCapabilityType*
17. Addition of an optional *HierarchyScope* to *OpMaterialCapabilityType*
18. Added the following enuerations to *RequestStateType*: *Cancelled*, *Ready*, *Running*, *Completed*, *Aborted*, *Held*, *Paused*, and *Closed*. These were added to the existing *Forecast* and *Released* states.
19. Changed *JobOrderDispatchStatusType* to an enumerated set of: *Pending*, *Cancelled*, *Dispatched*, *Ready*, *Running*, *Completed*, *Aborted*, *Held*, *Paused*, and *Closed*.
20. Added *WorkState* to *WorkPerformanceType* with enumerations of: *Ready*, *Running*, *Completed*, *Aborted*, *Held*, *Paused*, and *Closed*.
21. Added *ResponseState* to *WorkResponseType* with enumerations of: *Ready*, *Running*, *Completed*, *Aborted*, *Held*, *Paused*, and *Closed*.
22. Added *JobState* to *JobResponseType* with enumerations of: *Ready*, *Running*, *Completed*, *Aborted*, *Held*, *Paused*, and *Closed*.

## B2MML-V0601-OperationsSchedule.xsd

1. Addition of an optional *OperationsSegmentID* to an *OpOperationsRequestType*, allowing the request to either reference an entire Operations Definition, or just an Operations Request within the Operations Definition.
2. Addition of an optional *OperationsSegmentID* to *OpSegmentRequirementType*, allowing the segment requirement to either reference an entire Operations Definition, or just an Operations Request within the Operations Definition.

## B2MML-V0601-Equipment.xsd

1. Added optional “*HierarchyScope*” to *EquipmentAssetMappingType*

## B2MML-V0601-OperationsDefinition.xsd

1. Addition of an optional *HierarchyScope* to *PersonnelSegmentSpecificationType*
2. Addition of an optional *HierarchyScope* to *EquipmentSegmentSpecificationType*
3. Addition of an optional *HierarchyScope* to *MaterialSegmentSpecificationType*
4. Addition of an optional *HierarchyScope* to *PhysicalAssetSegmentSpecificationType*
5. Addition of an optional *HierarchyScope* to *OperationsMaterialBillType*
6. Addition of an optional *HierarchyScope* to *OperationsMaterialBillItemType*

## B2MML-V0601-OperationsSchedule.xsd



## B2MML-V0601-OperationsPerformance.xsd

1. Addition of an optional *HierarchyScope* to *OpEquipmentActualType*
2. Addition of an optional *HierarchyScope* to *OpMaterialActualType*
3. Addition of an optional *HierarchyScope* to *OpPersonnelActualType*
4. Addition of an optional *HierarchyScope* to *OpPhysicalAssetActualType*

## B2MML-V0601-WorkDefinition.xsd

1. Added *OperationsDefinitionID* and *OperationsSegmentID* to *WorkDefinitionType* to link the Part 2 and Part 4 models together.
2. Added *JobOrderID* to *WorkDirectiveType*, so that the job order associated with the work directive can be found.

## B2MML-V0601-WorkflowSpecification.xsd

1. Addition of an optional *HierarchyScope* to *WorkflowSpecificationType*
2. Addition of an optional *HierarchyScope* to *WorkflowSpecificationNodeType*

## B2MML-V0601-WorkSchedule.xsd

1. Added *ScheduleState* to *WorkScheduleType* (see change in common.xsd of new request states)
2. Added *RequestState* to *WorkRequestType* (see change in common.xsd of new request states)
3. Added *SegmentRequirementID* to *WorkRequestType* (A unique identification of the *segment requirement* within the scope of an *operations request* that specifically relates to the *work request* (i.e. the *segment requirement(s)* corresponding to the *work request*).
4. Added *SegmentRequirementID* to *JobOrderType* (A unique identification of the *segment requirement* within the scope of an *operations request* that specifically relates to the *Job Order* (i.e. the *segment requirement(s)* corresponding to the *work request*).

## B2MML-V0601-WorkCalendar.xsd

1. Added new schema to support the Work Calendar model.

## B2MML-V0601-WorkRecord.xsd

1. Added new schema to support the Work Record model.