**MP&S WG Web-Ex #9 – Minuts Of Meeting**

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| Meeting Date | 16/08/2017 |  | Ref | MP&S WG Web-Ex 2017\_08 MoM |
| Meeting Place | Web-Ex |  | Chairman | M. Sarkarati |
| Minute’s Date | 16/08/2017 |  | Participants | WG Members |
| Subject | CCSDS MPS WG Web-Ex 2017\_08 MoM |  | Copy | AD/Deputy AD |

**Agenda:**

* Review of Actions
* Update on the Green Book and Blue Book Status
* Work on the BB (data and service modelling)
* AOB

**Review of Actions**

| **ID** | **Action** | **Actionee** | **Due Date** | **Status** | **Comment** |
| --- | --- | --- | --- | --- | --- |
| 170816-1 | Update and refine the UML diagram of the MP&S data model | RT | 26/09/2017 | Open |  |

Actions were reviewed and status updated.

**Update on the GB Status**

MOIMS AD has raised the resolution for CESG to approve the publication of the GB. The Green Book is in the pile of the books to be processed by the CCSDS editor. Green Books have lowest priority in the order of processing, hence it is expected that it will take 6-12 months before the book can be published.

The issue raised by the SEI AD suggesting to produce two separate Blue Books, one for the Information Model and one for the Services has been escalated to the CMC. The CMC has decided that the MP&S WG can stick to its plan and produce only one single Blue Book, which will cover both Information Model and the Services.

The work on the Blue Book is on-going according to the schedule, which is outlined on the CWE.

**Discussions on the Information Model**

PvP has proposed to use an on-line modelling tool <https://www.draw.io/>

AV has migrated the last version of the MP&S Information Model from San Antonio Meeting into the draw tool.

The model was reviewed during the web-ex meeting.

RT has reviewed the notes from the San Antonio meeting and has captured the discussions mainly on the aspects of constraints modelling in a presentation.

The presentation was delivered during the web-ex and discussion took place.

**Planning Events:**

The modelling of the Planning Events shall foresee a set of arguments with different types, which would allow to pass additional information. For example a planning event indicating distance to target less than 5 meter can have an attribute indicating the exact distance at the time of occurrence of a single instance of that event.

Planning Events are a means for “outsourcing”/referencing constraints to some other functionality than the planning functionality, e.g. to navigation function or ground station network functionality.

It was agreed that when defining a Planning Request, which may contain a hierarchical Activity structure with children and parent activities, references to child and parent activities and to any other object within the scope of the same planning request can be used for specifying constraints.

However, when there is a need to express a constraint with regard to an activity or to any other object “outside” the scope of one’s own planning request (e.g. to an activity of a planning request of another PI), a corresponding Planning Event shall be used as a means for referencing foreign objects.

One possible option for retrieving references to objects which are outside the scope of one’s own request could be to add an operation to the PlanningRequest or PlanningManagement Service to retrieve the “global planning knowledge”. We need to discuss more if this is a good idea and how the modelling of the “shared planning knowledge” shall be.

The **Repetion Constraint** is still very roughly outlined and needs to be further developed. It shall capture aspects of standing orders (every Monday, …), or constraints such as plan the requested activity at least/at most n times within the next planning period.

The **Resource** entity is not defined except for its class and needs to be further developed.

It was generally agreed to hold monthly web-ex meeting and refine the model step by step.

RT took the action to work on the model until next web-ex (see action 170816-1)

**AOB**

MS reported that ESA is initiating a new activity with CGI Estonia. It will analyse the ICD and the example mission planning files of selected ESA missions and devise a MP&S information model and services. The objective is to use this activity to advance the work on the Blue Book.

For this purpose the industrial team, who will be implementing the work, shall attend the web-ex meetings and follow closely the evolution of the information of the mode by the WG.

The WG members form other agencies are welcome to provide ICD and concrete example files of missions as an input to this ESA activity.

Next Web-Ex meeting is scheduled for 26th September.

Fix web-ex meeting date after that every third Tuesday in the month.