**DLR**

Dear Nick

Concerning the resources from the DLR side, I can confirm that we will support the CSS CSTS TD: prototyping( provider or User) with 6 MM /2 = 3 MM .

That means DLR will support the provider or user with 3 MM directly(active) and the other agency , also provider or user, with 3 MM in a more passive way.

We can start in April 2015

Thanks

Have a nice weekend

Osvaldo

**CNES Answer to CMC action**

**ACTION CMC-A-2014-11-03**

The CMC members were requested to review Nestor Peccia’s chart on resources needed for the short term and provide a response to the Secretariat. The Secretariat was also instructed to circulate the chart to observers for potential contributors.

Action: CMC Members and Secretariat

Due Date: 19 December 2014 => 15 January 2015

|  |  |  |
| --- | --- | --- |
| **Domain** | **CESG Comments** | **CNES Reply** |
| CCS CSTS MD: Prototype User Role | NASA resources ? 1-2 mm  IOAG Dec 2015 | **CNES is active and is in charge of Prototype 1.**  **The question seems to be to NASA or other Agencies.** |
| CSS Generic File Transfer: Prototype 1 and 2 | Total 4 mm  IOAG Dec 2015 | **The project reflects a Blue Book with no prototype required (?). CNES will contribute only in the short term.**  **Additional CNES resources could be allocated once the concept paper and the anticipated solution are finalized.** |
|  |  |  |
| CCSDS Ref Architecture | 1.5 FTEs | **This is still at the stage of a BOF.**  **At this stage, CNES plans to monitor the activities in the WG but this position could be revisited when the WG charter and the planned projects are better defined.** |
| CCSDS Ontology | 2+ FTEs | **This is still at the stage of a BOF.**  **This is considered second priority after the Ref Architecture.** |
| RASDS 5 year review | 1-2 FTEs | **CNES has no identified resources so far.** |
| MOIMS SM&C Zero MQ binding: 1 Prototype missing | 6 mm | **CNES is book editor and in charge of Prototype 1.**  **The question seems to be to other Agencies.** |
| MOIMS DAI WG | NASA Resources ?? | **CNES is very active in DAI WG (chair, editors,…).**  **The question seems to be to NASA.** |
| CSS CSTS TD: Prototypes Provider and User Role | Total 6 mm  IOAG Dec 2020 | **Same as IOAG, CNES doesn’t consider this need as a high priority. No CNES resources will be allocated.** |
| CSS SM Planning Data: Prototype 1 and 2 | Total 6 mm | **Editor and prototypes are assigned for this project (?).**  **CNES will monitor and may increase level to contribute.** |
| CSS SM Trajectory Prediction Data Format: Proto 1 and 2 | Total 2 mm | **CNES will monitor and may increase level to contribute. Prototyping may be considered but decisions can only be made in Q2 2015.** |
| CSS SM Service Request / Package Data Formats: Proto 2 | Total 6 mm | **CNES will monitor and may increase level to contribute. However, work in the WG should follow the priorities and target dates and not put all activities in parallel.** |
| CS SM Service Agreement / Config Profile Data Formats | Total 24 mm | **CNES will monitor and could revisit its position at a later stage as this standard is for the longer term and work in the WG should follow the priorities and target dates and not put all activities in parallel.** |
| SIS Bundle Sec / CGR / NW management | Extra 6 mm  IOAG End 17/18/19 | **CNES will monitor and may later increase level to contribute, for CGR and NW Mngt.** |
| SOIS EDS GB / BB |  | **CNES doesn’t contribute to the SOIS activities in general. No resource can be allocated on this task.** |
| SOIS Subnet WG Books 5 year review | ca. 2 FTEs | **CNES doesn’t contribute to the SOIS activities in general. No resource can be allocated on this task.** |

**CSA**

CMC-A-2014-11-03

As just recently communicated to James Afarin, I have prepared a recommendation to our Director General (based on the letter received from Mike Kearny to our president late last year) to get more CSA engineers involved on the technical WGs (including a CSA resource on the WWG) and I am waiting currently to hear back from our DG.

**JAXA**

CMC-A-2014-11-03:

JAXA confirms that we supports the SIS CGR prototyping(provider or User). Please note that this support may not be feasible when JAXA cannot secure necessary budget for the prototyping, which seems quite unlikely.

**NASA**

**CCSDS action on resource needs during 2015 -2016**

|  |  |  |  |
| --- | --- | --- | --- |
| **Project (document)**  **Highlighted documents are especially urgent** | **Estimated effort**  **(man months)** | **Link for more info** | **Comments**  (no comments means no new participation) |
| CCSDS Reference Architecture | 15 mm | (not yet online) |  |
| CCSDS Ontology | 20+ mm | (not yet online) |  |
| Reference Architecture for Space Data System 5 year review | 10-20 mm | [Link](http://public.ccsds.org/publications/archive/311x0m1.pdf) |  |
| MOIMS SM&C Zero MQ binding: 1 Prototype | 6 mm | [Link](http://cwe.ccsds.org/fm/Lists/Projects/DispForm.aspx?ID=500&Source=http%3A%2F%2Fcwe%2Eccsds%2Eorg%2Ffm%2FLists%2FProjects%2FResources%2FResources%2Easpx&ContentTypeId=0x0100B63160D64FE81342BE42A874DE7E703D) |  |
| CSS CSTS Tracking Data: Prototype 2 | 3 mm | [Link](http://cwe.ccsds.org/fm/Lists/Projects/DispForm.aspx?ID=100&Source=http%3A%2F%2Fcwe%2Eccsds%2Eorg%2Ffm%2FLists%2FProjects%2FResources%2FResources%2Easpx&ContentTypeId=0x0100B63160D64FE81342BE42A874DE7E703D) | At this time, GSFC is not able to commit to the CSTS TD Prototype User Role in the Spring 2015; however, GSFC may be able to complete the implementation in the Summer 2015. Will provide a firm answer by the Spring meeting. |
| CSS SM Planning Data: Prototype 1 and 2 | 6 mm | [Link](http://cwe.ccsds.org/fm/Lists/Projects/DispForm.aspx?ID=359&Source=http%3A%2F%2Fcwe%2Eccsds%2Eorg%2Ffm%2FLists%2FProjects%2FResources%2FResources%2Easpx&ContentTypeId=0x0100B63160D64FE81342BE42A874DE7E703D) |  |
| CSS Generic File Transfer: Prototype 1 and 2 | 4 mm | [Link](http://cwe.ccsds.org/fm/Lists/Projects/DispForm.aspx?ID=493&Source=http%3A%2F%2Fcwe%2Eccsds%2Eorg%2Ffm%2FLists%2FProjects%2FResources%2FResources%2Easpx&ContentTypeId=0x0100B63160D64FE81342BE42A874DE7E703D) |  |
| Trajectory Prediction Data Format: Proto 1 and 2 | 2 mm | [Link](http://cwe.ccsds.org/fm/Lists/Projects/DispForm.aspx?ID=387&Source=http%3A%2F%2Fcwe%2Eccsds%2Eorg%2Ffm%2FLists%2FProjects%2FResources%2FResources%2Easpx&ContentTypeId=0x0100B63160D64FE81342BE42A874DE7E703D) |  |
| Service Request / Package Data Formats: Proto 2 | 6 mm | [Link](http://cwe.ccsds.org/fm/Lists/Projects/DispForm.aspx?ID=363&Source=http%3A%2F%2Fcwe%2Eccsds%2Eorg%2Ffm%2FLists%2FProjects%2FResources%2FResources%2Easpx&ContentTypeId=0x0100B63160D64FE81342BE42A874DE7E703D) | Timeframe for this prototype implementation is FY16. GSFC will commit to perform this work. |
| Service Agreement / Config Profile Data Formats | 24 mm | [Link](http://cwe.ccsds.org/fm/Lists/Projects/DispForm.aspx?ID=364&Source=http%3A%2F%2Fcwe%2Eccsds%2Eorg%2Ffm%2FLists%2FProjects%2FResources%2FResources%2Easpx&ContentTypeId=0x0100B63160D64FE81342BE42A874DE7E703D) | Timeframe for this prototype implementation is FY16 – FY17. Erik Barkley estimates the prototype effort at 10 mm. GSFC can’t commit to this until the FY16/FY17 budget is known. |
| SIS DTN Bundle Security Protocol | 2 to 4 mm | [Link](http://cwe.ccsds.org/fm/Lists/Projects/DispForm.aspx?ID=371&Source=http%3A%2F%2Fcwe%2Eccsds%2Eorg%2Ffm%2FLists%2FProjects%2FResources%2FResources%2Easpx&ContentTypeId=0x0100B63160D64FE81342BE42A874DE7E703D) | MSFC plans to shift current work on DTN BP and LTP to this work. GRC is the book editor for this Blue Book |
| SIS Contract Graph Routing | 6 mm | [Link](http://cwe.ccsds.org/fm/Lists/Projects/DispForm.aspx?ID=370&Source=http%3A%2F%2Fcwe%2Eccsds%2Eorg%2Ffm%2FLists%2FProjects%2FResources%2FResources%2Easpx&ContentTypeId=0x0100B63160D64FE81342BE42A874DE7E703D) |  |
| SIS DTN Network Management | TBD | [Link](http://cwe.ccsds.org/fm/Lists/Projects/DispForm.aspx?ID=201&Source=http%3A%2F%2Fcwe%2Eccsds%2Eorg%2Ffm%2FLists%2FProjects%2FResources%2FResources%2Easpx&ContentTypeId=0x0100B63160D64FE81342BE42A874DE7E703D) | MSFC plans to shift current work on DTN BP and LTP to this work. |
| SOIS Electronic Data Sheets | ca. 10 mm | [Link](http://cwe.ccsds.org/fm/Lists/Projects/DispForm.aspx?ID=466&Source=http%3A%2F%2Fcwe%2Eccsds%2Eorg%2Ffm%2FLists%2FProjects%2FResources%2FResources%2Easpx&ContentTypeId=0x0100B63160D64FE81342BE42A874DE7E703D) |  |
| SOIS Subnet WG Books 5 year review | Ca. 10 mm | (not yet online) |  |