**Fall 2015 CCSDS**

**Space Data Link Security WG telecon minutes**

March 15, 2016

# Attendance:

|  |  |  |
| --- | --- | --- |
| Name | Organization | Email Address |
| Gilles Moury (Co-Chair) | CNES | [gilles.moury@cnes.fr](mailto:gilles.moury@cnes.fr) |
| Howard Weiss (Co-Chair) | NASA/SPARTA | [howard.weiss@parsons.com](mailto:howard.weiss@parsons.com) |
| Ignacio Aguilar-Sanchez | ESA/ESTEC | [ignacio.aguilar.sanchez@esa.int](mailto:ignacio.aguilar.sanchez@esa.int) |
| Daniel Fischer | ESA/ESOC | [daniel.fischer@esa.int](mailto:daniel.fischer@esa.int) |
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# Agenda :

The agenda of the telecon was the following:

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| **Agenda Item** |
| * Pre-review of Action items from last meeting * Status of SDLS GB * Status of SDLS Extended Procedures White book * Finalization of SDLS WG Cleveland meeting agenda |

# Agenda points

## Pre-review of pending action items

| **A.I.** | **Actionee** | **Action** | **Deadline** |
| --- | --- | --- | --- |
| SDLS1111/07  (supersedes SDLS0511/12) | I.Aguilar, C.Biggerstaff, G.Moury, B.Saba | Provide missing subsections of the green book taking into account miscellaneous points listed in section 6. | oct 2013  open |

| **A.I.** | **Actionee** | **Action** | **Deadline** |
| --- | --- | --- | --- |
| SDLS1114/06 | I.Aguilar | Add short summary text in annex D of GB for SDLS potential interaction with TM performances. | March 30,  2015  open |

Target is to finalize green book at the Cleveland meeting. Ignacio Aguilar will assign editing specific subsections to other members of the WG if necessary.

| **A.I.** | **Actionee** | **Action** | **Deadline** |
| --- | --- | --- | --- |
| SDLS1115/01 | G. Moury | Propose Technical Corrigendum to AOS SDLP (732.0) to add requirement for non protection of OID VC (i.e. VC63) | 15 March,  2016 |

Proposal has been made for Technical Corrigendum to AOS and TM. Several other proposals have been received. Gilles Moury will present possible solutions at Cleveland meeting during a joint session to be scheduled with SLP WG.

| **A.I.** | **Actionee** | **Action** | **Deadline** |
| --- | --- | --- | --- |
| SDLS1115/02 | SDLS WG | Cross-check list of SDLS parameters dependencies and report to CSTS WG (W.Hell – ESA) | 15 March,  2016 |

Howie Weiss takes the action to prepare a response to W.Hell wrt parameter dependencies for authentication and encryption algorithms (slides 5 and 6 of CSTS presentation)

| **A.I.** | **Actionee** | **Action** | **Deadline** |
| --- | --- | --- | --- |
| SDLS1115/03 | M.Cosby/G.Moury | Propose a generic bi-directional service for transmitting EP PDUs (commands/reports) | 15 March,  2016 |

Joint session with SLP WG will be scheduled at Cleveland meeting where Gilles Moury will present possible solutions.

| **A.I.** | **Actionee** | **Action** | **Deadline** |
| --- | --- | --- | --- |
| SDLS1115/04 | I.Aguilar/ D.Fischer | Investigate usual practices in terms of Security Logs | 15 March,  2016 |

Results will be presented at Cleveland meeting.

| **A.I.** | **Actionee** | **Action** | **Deadline** |
| --- | --- | --- | --- |
| SDLS1115/05 | I.Aguilar | Analyse truncation necessary/possible for the MAC used for key integrity check. | 15 March,  2016 |

Lightweight solution will be proposed for integrity check of uploaded and stored keys.

| **A.I.** | **Actionee** | **Action** | **Deadline** |
| --- | --- | --- | --- |
| SDLS1115/06 | D.Fischer | Update Extended Procedures white book taking into account all modifications/inputs agreed during the meeting | 15 Jan,  2016 |

| **A.I.** | **Actionee** | **Action** | **Deadline** |
| --- | --- | --- | --- |
| SDLS1115/07 | C.Biggerstaff | Provide missing section on SA management for EP white book | 15 Jan,  2016 |

Extended procedures white book will be updated by Daniel Fischer before the Cleveland meeting, as soon as missing section are provided.

| **A.I.** | **Actionee** | **Action** | **Deadline** |
| --- | --- | --- | --- |
| SDLS1115/08 | G.Moury | Formulate request to CMC for possible funding of this cloud service for SDLS EP interoperability testing | 15 Jan,  2016 |

An action item (due date 30 march 2016) has been placed on CMC members to state their willingness to fund a cloud service for CCSDS interoperability testing. Only response received : negative response from DLR.

Daniel Fischer will report at the Cleveland meeting on the use of cloud service for prototyping and interconnection of prototypes, and the question of funding.

## Status of SDLS GB

Latest version available is the version updated during the Darmstadt meeting (13/11/2015). Ignacio Aguilar will revisit all missing subsections before Cleveland meeting. A complete review of the document will be done at the meeting with the objective to finalize it shortly after the meeting.

## Status of SDLS Extended Procedures white book

Extended procedures white book will be updated by Daniel Fischer before the Cleveland meeting, as soon as missing sections are provided.

Prototyping and interoperability testing will be discussed at the meeting. An interoperability test plan (yellow book) will be initiated by Gilles Moury.

Objective is to finalize white book shortly after the meeting and to get it promoted to red-1 and further on to agency review.

## Finalization of SDLS WG Cleveland meeting agenda

Agenda v2 was finalized adding:

* Joint session with SLP WG (transfer of EP PDUs over the spacelink, OID frames and SDLS)
* Dissemination/communication: opportunity of an extended journal paper on Spacelink security / SDLS Core Protocol / SDLS Extended Procedures.