



SANA Activities Update

Marc Blanchet, Audric Schiltknecht
Viagénie

SSG

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Marc.Blanchet@viagenie.ca

audric.schiltknecht@viagenie.ca

<http://www.viagenie.ca>



SpacecraftID Registry

Done during period



- Contact AR to ask them to review their IDs, for possible relinquishment
- Allow private information in registry (even making complete record private)
- Change format of SCID request confirmation emails to prevent anti-spam filtering (remove XML to use plain text)

Possible Conflicts Update



- **0D4:** GALEX is now terminated.
- **0A5:** One of the mission was terminated before the other one had been assigned the same Id.
- **0F7:** There are differences in the frequencies used. The projects had already been informed by the previous SCID registry maintainer.
- **128:** Both CNES and NASA have been informed. Different spectrum used so no problems expected
- **089:** Waiting for ESA, confirmed by NSPO
- **03D:** Waiting for ESA, confirmed by NASA
- **3C5:** One of the mission is terminated

Spacecraftid Assignments



- Assigned Ids since November:
 - 12 V1, 4 V2, 0 V3
 - CNES: 2 V1, 1 V2
 - ESA: 2 V1
 - JAXA: 1 V1, 1 V2
 - KARI: 2 V1
 - NASA: 5 V1, 2 V2
- 31 Id returned:
 - 19 V1
 - 12 V2

Spacecraftid Assignments



- Special requests:
 - No 6 consecutive ones
 - Same 8 last bits for V1 and V2 (FPGA constraints)
 - Hamming distance (with available ID specified)

Future SANA SCID Assignments

SLS-SLP WG

March 23, 2015

CCSDS Spring 2015 Meeting

Pending Action Item on Agencies to free up SCIDs no longer in use

- Immediate Action: Each agency to determine which of their SCIDs are no longer in use and return these IDs back to CCSDS (action given to each Agency representative). Note that some agencies have already responded to this action.

SANA SCID Assignment Procedures

(requires CMC approval and enforcement)

- In order for SANA to assign the same SCID to multiple users, we recommend SANA solicit the frequency band (e.g., S, X, Ka) to be used by the mission by mission phase (since frequency may change by mission phase).
- For each new SCID assignment, recommend SANA solicit an expiration date for the SCID based upon the expected mission termination date.
 - SANA to notify the mission at least 6 months before mission termination to ensure termination date has not changed.
 - Burden is upon the Project to request an extension of the SCID from SANA. If no response received from the project, SANA has the right to recycle the SCID.
- Recommend SANA will only assign SCIDs for use on the Space Link only i.e., not for test, simulation, etc.
- Recommend SANA will make it clear to the user community that there is no expectation that a contiguous set of SCIDs will be provided by SANA when multiple SCIDs are requested at a time.
- Recommend SANA suggest the user utilize virtual channel IDs as an extension of SCID for constellations of spacecraft (more than 4 spacecraft at a time)

Long Term Solution

- CCSDS adopts the emerging Unified Space Link Protocol (USLP) which envisions a SCID space of at least 8192 SCIDs.



Other Activities (not Spacecraftid related)



Done during the period

- Creation of the optical assets registry
- Creation of the URN registry
- RFC for URN “urn:ccsds” sent for reviews by experts
- Creation of the SOIS registry
- Updated Registries: Glossary, Agency Representatives, Transfer Frame Version Number, OID
- Enable REST interface (not advertised yet)
- Contact non-IOAG PoC to ask them for making the assets registry public
 - 2 replies ('OK') out of 7 emails sent)

Upcoming Work



- Finalization of contacts registries merge
- Assist CCSDS working groups to create/modify/enhance registries

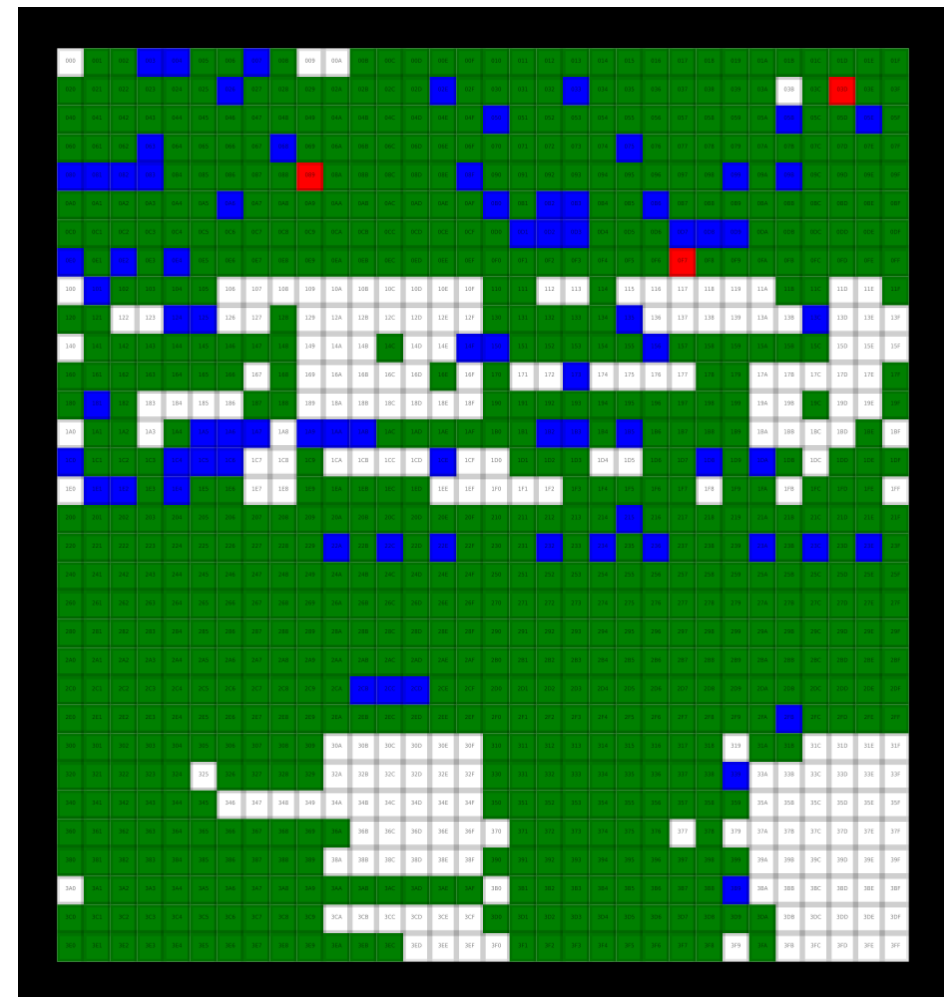
Backup



Spacecraftid Assignments



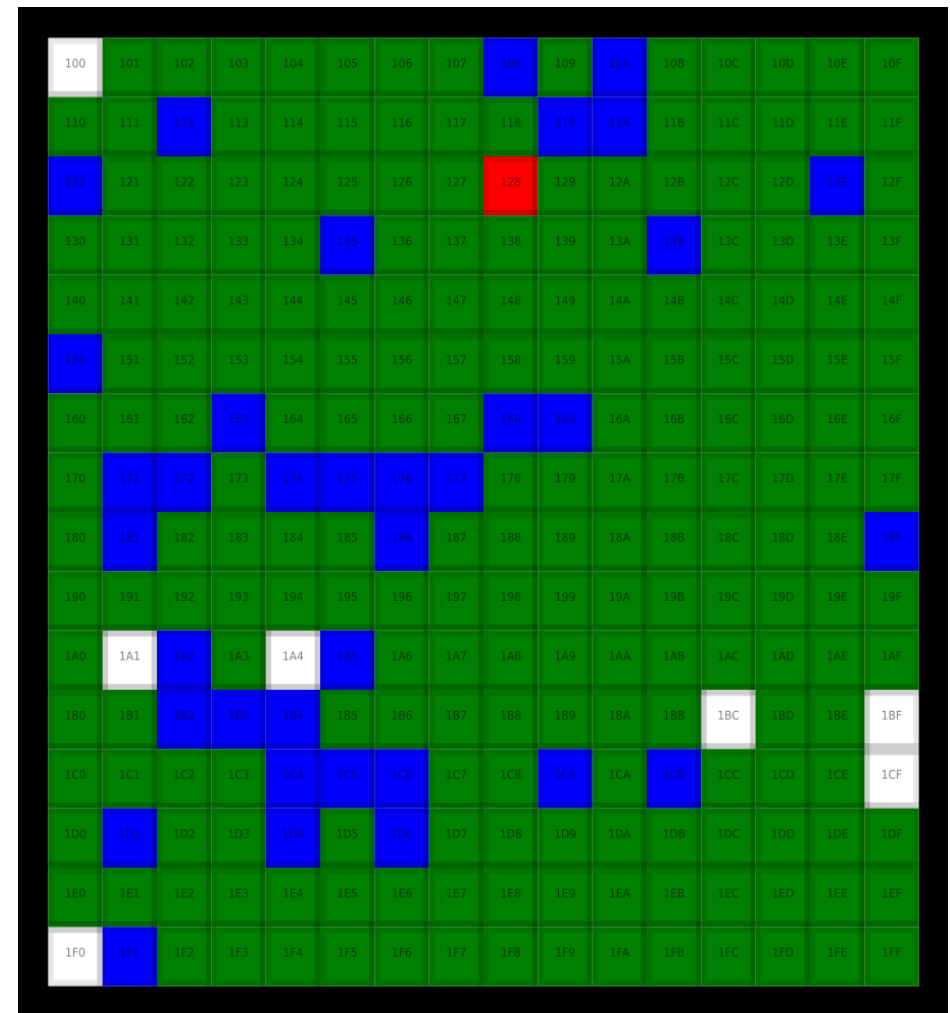
- SCID Version 1
- Not assigned: 212 (20%)
 - white
- Returned: 78 (7%)
 - blue
- Assigned: 731 (71%)
 - green
- Strange: 3
 - red



Spacecraftid Assignments



- SCID Version 2
- Not assigned: 7 (2%)
 - white
- Returned: 36 (14%)
 - blue
- Assigned: 212 (82%)
 - green
- Strange: 1
 - red



Spacecraftid Assignments



- SCID Version 3
- Not assigned: 1008 (98%)
 - white
- Returned: 3 (0%)
 - blue
- Assigned: 13 (1%)
 - green
- Strange: 0
 - red

