LSIC | MOSA Working Group

- LSIC Modular Open System Approach (MOSA) Working Group
  - Goal:
    - Document community feedback on recommended lunar MOSA activities
      - Compile existing efforts and identify overlap
      - List systems that could benefit from MOSA
      - Perform system decompositions to find critical interfaces & what requirements are needed to ensure interoperability
  - Plan
    - Each LSIC focus group is participating and has a POC
    - Cross focus group participation is encouraged
  - Points of Contact
    - Lead/Coordinator: James Mastandrea
    - Systems Engineer: Kristin Jaburek
    - Dust Mitigation: Jorge Núñez
    - Excavation & Construction: Claudia Knez
    - In Situ Resource Utilization: Jodi Berdis
    - Surface Power: Samantha Andrade
    - Extreme Environment: Jamie Porter
    - Extreme Access: Angela Stickle
Collecting Feedback from the Community

1. What are the existing efforts on standards and interoperability in E&C? Are they applicable to the moon?

2. Within E&C what would you designate as a critical interface? What is the boundary that interfaces with the larger system?

3. What do you want to get out of the MOSA working group? Are their any interoperability barriers to your technology development?
Updates on Confluence

Confluence Training Sessions
If you're just getting to know Confluence, please contact @Andrea Harmian for support and training.

Focus Areas
- Dust Mitigation (DM)
- Excavation & Construction (E&C)
- Extreme Access (EA)
- Extreme Environments (EE)
- In Situ Resource Utilization (ISRU)
- Surface Power (SP)

Working Groups
- MOSA

Visit LSIC's external website: lsic.jhuapl.edu
Visit LSIC's LinkedIn site here: https://www.linkedin.com/groups/13861669/
LSIC's code of conduct for members is available here.

Existing Interoperability Standards & Programs

The following existing standards and programs have been collected from LSIC Community through Focus Group and Subgroup meetings. Thank you for your input!

Anything we missed or understood incorrectly? Drop a comment on this page and let us know.

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<thead>
<tr>
<th>Category</th>
<th>Existing Standards &amp; Programs</th>
<th>Link</th>
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<tbody>
<tr>
<td>Communications</td>
<td>Interoperability Planetary (ICP)</td>
<td><a href="https://www.interoperabilityplanetary.org/home.asp">https://www.interoperabilityplanetary.org/home.asp</a></td>
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Focus Group Suggested Items for MOSA

The following suggested items to consider for MOSA efforts were gathered from the Surface Power Focus Group during the February 24, 2022 Telecon.

<table>
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<tr>
<th>Category</th>
<th>Focus Group Suggested Items to Consider for MOSA Efforts</th>
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Upcoming Telecon

Artemis’ Graphical User Interface Standards

- Chad Thrasher
  NASA’s Artemis Campaign Development Division
  Systems Interoperability Lead

- Date: April 6th at 11:00AM ET