**Status Update**

<table>
<thead>
<tr>
<th>2020 Tasks</th>
<th>Status</th>
<th>Accomplishments (deliverables, etc.)</th>
</tr>
</thead>
</table>
| **1. Further demonstrations of NAS411-1 SysML HAZMAT Library for MBSE**  | In Progress | • HAZMAT SysML Model Library provided to Boeing to use in a pilot use case to evaluate its utility  
• Coordinating with Raytheon to demonstrate library and provide as another pilot use case opportunity.  
• Interested Industry representatives are invited to participate in additional Library pilot use cases |
| Background: Developed Hazardous Materials (HAZMAT)/National Aerospace Standard (NAS) 411-1 SysML Model Library for MBSE environment. Held demonstration and briefing with Boeing and SAF/AQRE / DASD(S) representatives in summer 2019. Both were well received. |          |                                                                                                                                                                                                                                                                                                                                                           |
| **2. Obtain Aerospace Industries Association (AIA) approval to provide HAZMAT Library with National Aerospace Standard (NAS) 411-1, Hazardous Material Target List (HTML)** | In Progress | • Continue engaging with AIA NAS411 Working Group Leads (including Mr. Sheehan) to solicit AIA’s adoption of the Library and making it available as part of NAS 411-1 purchase                                                                                                                                   |
| **3. Work with DoD Acquisition ESOH IPT on adding Systems Engineering and ESOH risk and requirements management to new DoD 5000 series policy documents** | In Progress | • Ongoing activity in collaboration with ODUSD (Sustainment) review and comment process to try to ensure ESOH risk and requirements management are in the DoD 5000 series instructions.  
  o DoDD 5000.01, Defense Acquisition System (DAS)  
  o DoDI 5000.02, Operation of the Adaptive Acquisition Framework (AAF)  
  o DoDI 5000.02T, Operation of the Defense Acquisition Framework, Transitional  
  o 6 AAF “Pathway” DoDI 5000.xx documents  
  o 15 Functional DoDI 5000.xx documents                                                                                                      |
| **4. Increase NDIA Industry involvement in the ESOH Committee**            | In Progress | • Added second Industry co-chair, Mr. Tim Sheehan of Raytheon  
• Reaching out to increase industry ESOH functionals participation through the NDIA SED industry participants                                                                                                                                                                               |

As of: 12 Feb 2020
ESOH Committee Meeting Information

- **Date:** February 12, 2020
- **Time:** 1430 – 1600 EDT
- **Location:** Booz Allen Hamilton, 1550 Crystal Drive, Arlington-Crystal City, Room 4508 (4th floor), 3rd Floor (check-in and badge), POC: Karen Gill
- **Call-in Number:** 877-885-1087; Access Code 7706930636#
- **Web Link:** [NDIA ESOH Committee Meeting](#)
- **Agenda:**
  - NDIA Systems Engineering Division – ESOH Committee Report
  - "Safe from the Start: Using MBSE for Safety Engineering” presented by Kate Kovalovsky and Daisey Bower from USARMY Combat Capabilities Development Command, Armaments Center (CCDC AC)
  - Status Update on DoDI 5000 series
  - NDIA Systems & Mission Engineering Conference, Orlando FL, October 19-22 2020
    - ESOH Track will focus on National Environmental Policy Act (NEPA), System Safety, Airworthiness, Hazardous Materials, and ESOH in Digital Engineering/Model-Based Systems Engineering
    - NOTE: GBSD Program Office identified NEPA compliance one of top 3 program risks

As of: 12 Feb 2020
# Environment, Safety, and Occupational Health (ESOH) Committee

<table>
<thead>
<tr>
<th>Mission / Purpose</th>
<th>Stakeholders / Sponsors / Collaborators</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mission: Integrate ESOH design considerations into the Systems Engineering (SE) process</td>
<td>Primary stakeholders: DoD and Defense Industry Systems Engineers and ESOH functionals</td>
</tr>
<tr>
<td>Purpose: Reduce ESOH mishaps and impacts on systems' suitability and effectiveness</td>
<td>Government sponsors: DoD Acquisition ESOH IPT</td>
</tr>
<tr>
<td>Leadership:</td>
<td>Collaborating organizations: Aerospace Industries Association (AIA)</td>
</tr>
<tr>
<td>Industry Co-Chairs: Tim Sheehan &amp; David Schulte</td>
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<tr>
<td>Government Liaison: S. Forbes</td>
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## 2019 Accomplishments

- Demonstrations of HAZMAT Library to Boeing, AF, DUSD (Sustainment); ESOH Track at the NDIA S&ME Conference - 19 presentations
- Publications: NA

## 2020 Plans / Events / Milestones

- Further demonstrations of HAZMAT Library; Obtain AIA approval to provide HAZMAT Library with NAS 411-1; Work with DoD Acquisition ESOH IPT on adding SE and ESOH requirements to new DoD 5000 documents; Increase NDIA Industry involvement
- Planned Events: ESOH Committee Meetings and ESOH Track at NDIA S&ME Conference
- Planned Publications: NA
- Milestones: Planned Activities