Working Group Preview

Ground System Architectures Workshop

Session 11A
Challenges and Experiences of Adopting Agile Ground Software Development

Supannika Mobasser and Steve Rosemergy,
The Aerospace Corporation
To embrace the rapid rate of change in ground software system development, it is crucial to be flexible, resilient, and robust. May be we should use Agile, but ….

- *Would Agile be a good fit for large scale mission-critical programs?*
- *How do we know whether we should use Agile?*
- *Should we use Agile as it is used in the small scale commercial software-intensive development projects?*
- *How should we tailor the process so that it is still Agile but also be compliant with government regulations?*
- *What to do with the contract and plan-driven processes?*
Agile and Rapid Rate of Change

Agile : Embracing the rapid rate of change
• Welcome changing requirements
• Quick turnaround time
• No big design up front
• Just in time and just enough

But
• Difficult things take a long time; impossible things, a little longer
• Too large to move fast
• But the processes and regulations require …………..
• May be we just have to be agile, but not do Agile.
Session Goal

- Provide an opportunity for agile practitioners to share their experiences and learn from others

- Working group format
  - Presentations followed by Interactive discussions
  - Open discussion

- Contributors
  - Participants with all levels of agile expertise are welcome
## Ground System Architectures Workshop

### Schedule

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<tr>
<th>Time</th>
<th>Presentation and Discussion</th>
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<tr>
<td>1:00 – 1:30pm</td>
<td>Session Overview</td>
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<td>1:30 – 2:15pm</td>
<td>“Agile Contracts”, Larri Rosser, Raytheon</td>
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<td>2:15 – 3:00pm</td>
<td>“Embracing Change to Overcome Challenges with Large-Scale Agile Software Development”, Steve Rosemergy, The Aerospace Corporation</td>
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<td>3:00 – 3:30pm</td>
<td>Break</td>
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<td>3:30 – 4:15pm</td>
<td>“Agile Fit Check”, Sue Mobasser, The Aerospace Corporation</td>
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<td>4:15 – 5:00pm</td>
<td>General discussions&lt;br&gt;- Pains, struggles, and barriers in adopting agile ground software development&lt;br&gt;- Failed Agile attempts&lt;br&gt;- Going forward, how to increase agility?</td>
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