Task 259: Flight Software Validation & Verification for Safety

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FAA COE for CST Technical Meeting



Federal Aviation



Overview

- Team Members
- Purpose of Task
- Research Methodology
- Results / Progress to Date
- Conclusions / Future Work



Team Members

- PI: Juan J. Alonso, Aero & Astro, SU
- Program Manager: Ken Davidian



Purpose of Task/Goals

- The purpose of this task is to hold a workshop, following the roadmapping exercise, to better understand research issues in flight software V&V the FAA CoE CST might tackle in the future
- Outcome: as a result of the workshop we would like to have
 - Broad consensus from relevant participants on requirements for flight software V&V
 - Key bottlenecks and research areas in this topic
 - A document detailing the conclusions of the group



Workshop Preparations

- Over the past 6-8 months, we have been contacting a broad group of players that might participate in the workshop.
- Open to suggestions for additional participants (please email me at <u>jialonso@stanford.edu</u>)
- 2-day workshop date has been tentatively set for March 20-21, 2013 in Stanford, CA. Location can change to minimize travel impact and encourage FAA participation
- Save-the-date email will be sent by end of November, 2012

Entities Contacted / Consulted

























Could use some help with contacts at additional universities/companies

Conclusions and Future Work

- Must finalize list of invitees/participants. Input sought.
- Preparations for workshop ongoing.
- Suggestions for locations other than Stanford, CA, welcome.



Contact Information

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MAJOR MILESTONES - PAST

- Basic organization of workshop
- Discussions with invitees for possible agenda

MAJOR MILESTONES - FUTURE

Hold workshop, March 2013

SCHEDULE

Workshop to be held on March 2013

<u>BUDGET</u>

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