

Software Development, Deployment and Validation/Verification WG Summary

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- Long, but productive discussion on the exact scope of the WG:
 - Development process and methodology
 - Quality and sustainability of software
 - Tools and best practices supporting the above
 - Validation and Verification
 - Developer training and software support
 - Impact of licensing on SW interoperability
 - **Actual Deployment not part of the scope**
 - i. Charge is providing SW that can be deployed

More detailed draft in

<https://docs.google.com/document/d/1bfCQP-p55Xu3lafmwbwpsOmorYiuEGCIh3uA0NV-DdM/edit>

- We need to improve in quite a few areas
- Supporting new paradigms arriving, such as new architectures, new tools, programming languages
- Staying agile towards external changes
- Improving efficiency of development workflows
 - Applying/enforcing more best-practices
- Automatization of software testing to improve overall quality
- Finding tools that support e.g. debugging of multithreaded applications
- Improving on software re-usage
- Enable developers to write high-quality software

More detailed list again in

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- Work required considered a continuous process rather than a list of milestones
- During the discussion no real controversial point
 - Overall direction/needs rather clear
- Next steps towards the white paper:
 - Transform charge and questions into proper text and distribute it to the WG mailing list
 - Identify potential projects in tooling and infrastructure
 - Identify fields for technology evaluation
 - List most important points for for knowledge exchange/review

Time for the next meeting driven by discussion on the document draft