



Follow-up Meetings of the Availability Workshop & ...

First MARP Meeting 09/02/2017

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Follow-up Meetings of the Availability Workshop

- History, what is in place
- What it is presently about
- Future, what we would like to do

Recent History

- Many activities in the field of dependability
 - In many groups, often detached
 - Since many years (>15 years), see slides Rudiger
- Workshop on Availability Modelling Tools and Synergies for Collaboration – 7th July 2016
 - <https://indico.cern.ch/event/537567/>
 - 1 Day workshop organised by Odei Rey Orozco (TE-MPE)
 - Including outside collaborators (Stuttgart, ESS, Ramentor, EAI Spain), in total about 25 people
- Follow-up meetings of the workshop
 - First meeting follow-up meeting 25th August 2016
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 - Follow-up meeting VIII, 10th February 2016
 - All documented in Indico under <https://indico.cern.ch/category/3224/>

Present Format & Topics

■ Organisation

- Chair: Andrea & Jan
- Scientific secretary: Odei

■ Topics

□ Direct follow-up of workshop

- Standardising on tools for dependability calculations
 - Collaboration with ESS on AvailSim 3
- Focus on Linac4 availability
 - Preparation of Linac4 Reliability Run & modelling
- Database of models, failure rates

□ Miscellaneous topics

- Presentations by students and fellows in the field of dependability of their current topic, discussion on approach and methods
- Standardisation of Risk definition (alternative to SIL)
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Future Mandate and Topics

- Ask for a Mandate by the MARP to continue with the 'Follow-up meetings' but with a more appropriate name
- Focus points
 - Standardisation
 - Software tools, input format, reference data bases
 - Approach for dependable electronics design
 - Involvement of Ben Todd, William Vigano
 - Risk assessment and categories
 - Exploitation of AFT data
 - ...
 - Interface to other projects, future machines, etc.
 - Continue with Linac4:
 - Dependability modelling, Reliability Run and related collaborations
 - Miscellaneous presentations in the field of dependability with the aim of learning and going to a common approach. Feedback and help to the different groups across CERN

Similar to what was once proposed as RASWG

