Documentation Meeting 3

1. Introduction
2. Migration of the Geant4 Core Documentation – current status
   - Installation guide – experience, result
3. Format/Style/Theme – decision at the collaboration workshop
   - Need agreement across working groups?
4. Issues/Cross-checks
5. Tasks
6. Physics lists – new documentation (beginner and advanced), linked to example
7. Collaboration Meeting:
   - Plenary – decisions (style), assistance (proof-reading/correction), status, new ideas
   - Parallel – physics list writing session, remote contributions, other initiatives

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(Documentation Co-ordinator)

Current Progress and Goals

- Update on progress of migration
  - Experience: looks nice, similar style
    - (both old and new versions attached to the agenda)
  - Git: https://gitlab.cern.ch/geant4/geant4-documentation
    - Access?
  - Anything else?
- Task allocation:
  - Conversion
  - Proof-reading
  - Equations/figures
  - New features
- Time-scale estimate
- Physics Lists
- Collaboration Meeting
  - Plenary – update, format/style, other discussions?
  - Parallel – working session on physics list, remote input

Tasks (as of 1st March)

- Transform edupad thoughts to JIRA issues: **Andrea - done**
- Document conversion – using pandoc
  - PRM: **Alex?**
  - Toolkit Developers Guide: **Alex**
  - Application Developers Guide: **Daren/Ben**
  - Installation: **Ben - done**
  - Introduction:
- Proof-reading: **everybody**
- Fixing **- NN**
  - Equations:
  - Figures:
  - References:
- New features? **- NN**
  - Cross-referencing between guides
  - changing the structure
  - Installation linked with code
  - READMEs (e.g. for the examples)

Timeline

- Should we have monthly progress meetings?
- Set a soft deadline to have a migration by the beta release? **- missed**
- Any other milestones?
- Can we achieve something before the Release?
- **Holidays?**

Physics Lists (1)

- Marc recently raised the valid point that the physics list documentation is (very) out of date
- Refers to the “flat” build-your-own physics list concept of RD44!
- Also we do not have good descriptions of the “reference” physics lists and their applicability
- Further, the physics list factory is an evolving concept, again without example of documentation (to my knowledge)
- Time to resolve this!
  - Create an example (of different types and the factory implementation)
  - Create entry-level documentation
  - Document at a more advanced level
  - Use-case applicability and validity

Physics Lists (2)

- Plan for the collaboration meeting:
  - Parallel working session with the goal of actually producing a document “live”
  - Start with the guide for beginners
  - Consider the use-case and explanation of the reference physics lists
  - Example of the factory implementation
  - Add-ons and other advanced features
- Remote participants?

Collaboration Meeting

- Plenary session:
  - We need agreement on a common style
    - Web-pages (including working groups?)
    - html and pdf formatting
  - Highlight the common effort of the collaboration
    - Particularly for keeping things up-to-date
    - Migration effort (proof-reading)
  - Should update on our progress and initiatives
  - Advertise the parallel session
  - Anything else?