

Requirements: collection and prioritisation

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Overview

- **Requirement collection**
 - Who, when, how
- **Requirement sorting**
 - Effort, scope
- **Prioritisation**
 - Annual development goals
 - Modifications, re-prioritisation

Requirements collection

- **New requirements and requests are gathered**
 - From member experiments/institutes
 - From other users
 - by category coordinators
 - by the TSB
 - At meetings or in email.
- **A template form for new user requirements**
 - Is starting to be used.

Requirements collection: sorting

- **Requirements are classed either as**
 - **Simple for ‘small’ requests**
 - **And are handled at the working group level**
 - E.g. time-dependent fields,
 - **Complex or major items**
 - **Are raised at the TSB level**
 - **Discussed and prioritised**
 - E.g.: cuts per material/region, G4Exception, migration to STL

Requirement prioritisation

- **Requirements with priorities (2002)**
 - At TSB meeting, 6th February 2002
 - Summarised in web document (TSB)
 - http://wwwinfo.cern.ch/asd/geant4/tsb/meetings/TSB_Mar2002/requirements_2002.html
- **Resulting development plans (yearly) presented and agreed at TSB meetings (1st quarter: 25th March 2002)**
 - Summarised in development plans doc.

FOR MORE INFO...

Documents: 1) Requirements and requests from Experiments, 2) Development goals of 2002.

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Geant4 Del. Review, October 2002

Requirement prioritisation (cont)

- **In some case(s) major customers have requested a change in priorities**
 - **E.g. ability to have different cuts became a priority after several experiments requested it urgently**
 - **Atlas first in 2000, then BaBar, CMS (spring 2001).**
 - **Adjusted plans (summer 2001) to deliver cuts/material functionality**
 - **either in release 4.0 of Geant4 or shortly thereafter**
 - **Delivered it in release 4.0 (December 2001)**

Ongoing User Requirement collection

- **Form for User Requirements**
 - Utilised at G4 workshop 2001
 - Refined with experience
- **Online UR Collector**
 - Under development, February - July 2002
 - Test deployment Aug-Sept 2002
 - Under production deployment (Sept 2002)
 - URL: <http://wwwinfo.cern.ch/asd/cgi-bin/geant4/urd/>
- **URD revision (see talk in Products section on URD)**
- **HEP User Requirements Committee**