IHEPCCC/HEPiX Working Groups

- HEPiX and IHEPCCC have identified 2 areas where a coordinated effort could benefit the HEP community
  - HEP Benchmarks
  - File systems (see slide 2)

- IHEPCCC is proposing following the RTAG model used by the LCG to address technical questions
  - RTAG's are short term (few months) and generate a brief report on their activities

Filesystems

Courtesy of D.Boutigny etal (IN2P3):

- What are the minimum acceptable performances for a today's filesystem?
- What are the possible options ?
- Who are the sites ready to share experiences on distributed file systems ?
- Are we able to define a common benchmark suite in order to compare filesystems ?
- What are the main functionalities that we are needing ?
- Are proprietary solutions like GPFS or LUSTRE a viable option for the sites?
- Are sites ready to pay for a global file system ? (and how much ?)
- What are the file transfer systems compatible with distributed filesystem?
- Compatibility with the Grid ?
- Is the HEPix community able to speak with a single voice to global file system vendors (as we did for AFS and more recently for ORACLE) ?

IHEPCCC/HEPiX Benchmark Working Group

Chair:
- to be determined

Mandate:
"Review the existing efforts on benchmarks for HEP"
- Conduct a review of existing activities
- Identify common benchmarking utilities for processors
- Is it possible to develop HEP-specific benchmarks?

Timescale:
- January 2007 for the initial report
- April 2007 for the final report

Makeup:
- open to those active in benchmarks

Guidance:
The working group may wish to consider benchmarks for other computing hardware and software.   One of the deliverables may be a web page summarizing the activities and personnel active in this area.

IHEPCCC/HEPiX Filesystem Working Group

Chair:
- to be determined

Mandate:
"Review the options for disk filesystems for HEP"
- See list of questions

Timescale:
- January 2007 for the initial report
- April 2007 for the final report

Makeup:
- open

Guidance:
The working group may review open source and commercial solutions. The group may wish to review to the licensing agreements for commercial solutions and recommend the pursuit of a HEP-wide agreement. One of the deliverables may be a web page summarizing the activities and personnel active in this area.

WG guidelines (based on RTAG)

- Chair:
  - Convener of meetings
  - Reports progress to Chair of IHEPCCC and HEPiX
  - Editor of WG report
  - Presentation of results to IHEPCCC and HEPiX meetings

- Members
  - Open to those active and/or interested in pursuing the goal of the workgroup