



User Facilities 2004

January 13, 2003



Introduction to UF Session

The CMS department effort is split into the

- ➔ Facilities Group
 - Michael Ernst Leader
- ➔ Distributed Application Group
 - Greg Graham Leader

We have presentations from both of these groups this afternoon.

Are there specific issues you would like to cover?

Questions that you have now?



Tier-I Distributed Applications Group

0.5 FTE Production Tool Development

- ➔ Development and integration of job submission and specification tools
 - MC_RunJob development is also supported through CAS
 - Integration with distributed production systems and external grid services

0.25 FTE Production Tool Maintenance

- ➔ Maintenance and operations of distributed computing production tools

0.25 FTE GUI Production Tool Development

- ➔ Supported work at U. Minnesota to improve the RunJob interface

0.50 FTE Information Management

- ➔ This task reflects the need to devote some amount of everyone's time for documentation and information publishing

0.25 FTE Planning

- ➔ Support for Chief Technology Officer US-CMS



Authorization and Authentication

0.5 FTE Authorization

- ➔ Reflects the US-CMS need to improve authorization on facilities
 - Currently almost no authorization tools in place
 - Service authorization and resource utilization
- ➔ New working agreement with CS developer at Virginia Tech
- ➔ 0.5 FTE increase from 2003

0.5FTE Authentication

- ➔ Continued effort to develop and support for Authentication and Registration tools
 - Supporting Virtual Organizations
 - Identities, Roles, and Groups
- ➔ 0.5 FTE decrease from 2003



Distributed Computing Prototyping

0.75 FTE on Grid2003/OSG Planning and Development

- ➔ Support for Grid2003 transition in OSG pilot and planning for next step
- ➔ New effort for 2003

0.5 FTE on LCG Interoperability

- ➔ Work on interfacing FNAL and US resources to LCG framework
- ➔ Developing compatible services
- ➔ Missing effort from 2003

0.5 FTE External Tool Integration

- ➔ Integration work with externally developed toolkits and systems besides LCG
 - CAIGEE, Sphinx, Chimera, etc.
- ➔ 0.25FTE missing in 2003



ARDA Work

Architectural Roadmap for Distributed Analysis

0.25FTE Initial Deployment

- ➔ Fact finding deployment of Alien and evaluation of framework
- ➔ New effort in 2004

0.5FTE ARDA Integration

- ➔ Initial Integration work with production tools and evaluation for distributed analysis
- ➔ New effort in 2004

0.75 FTE ARDA Development Environment

- ➔ Support for developer's environment for ARDA in CMS
- ➔ New effort in 2004