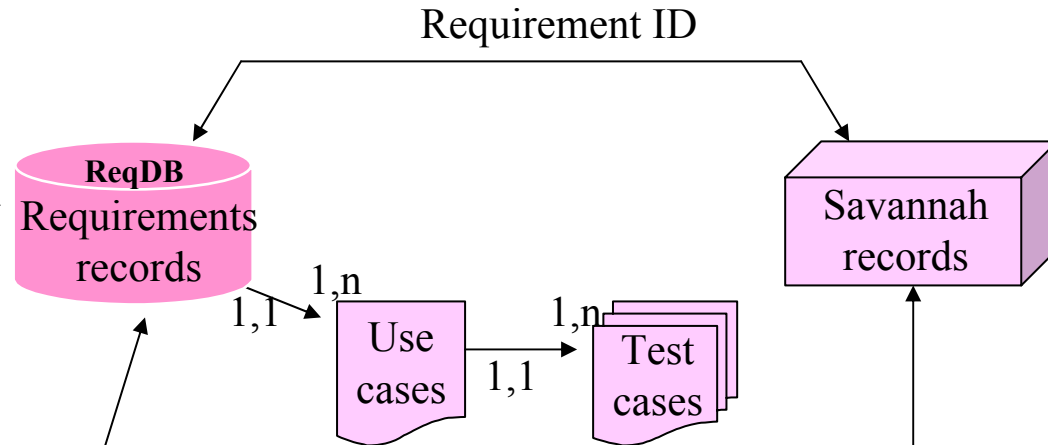
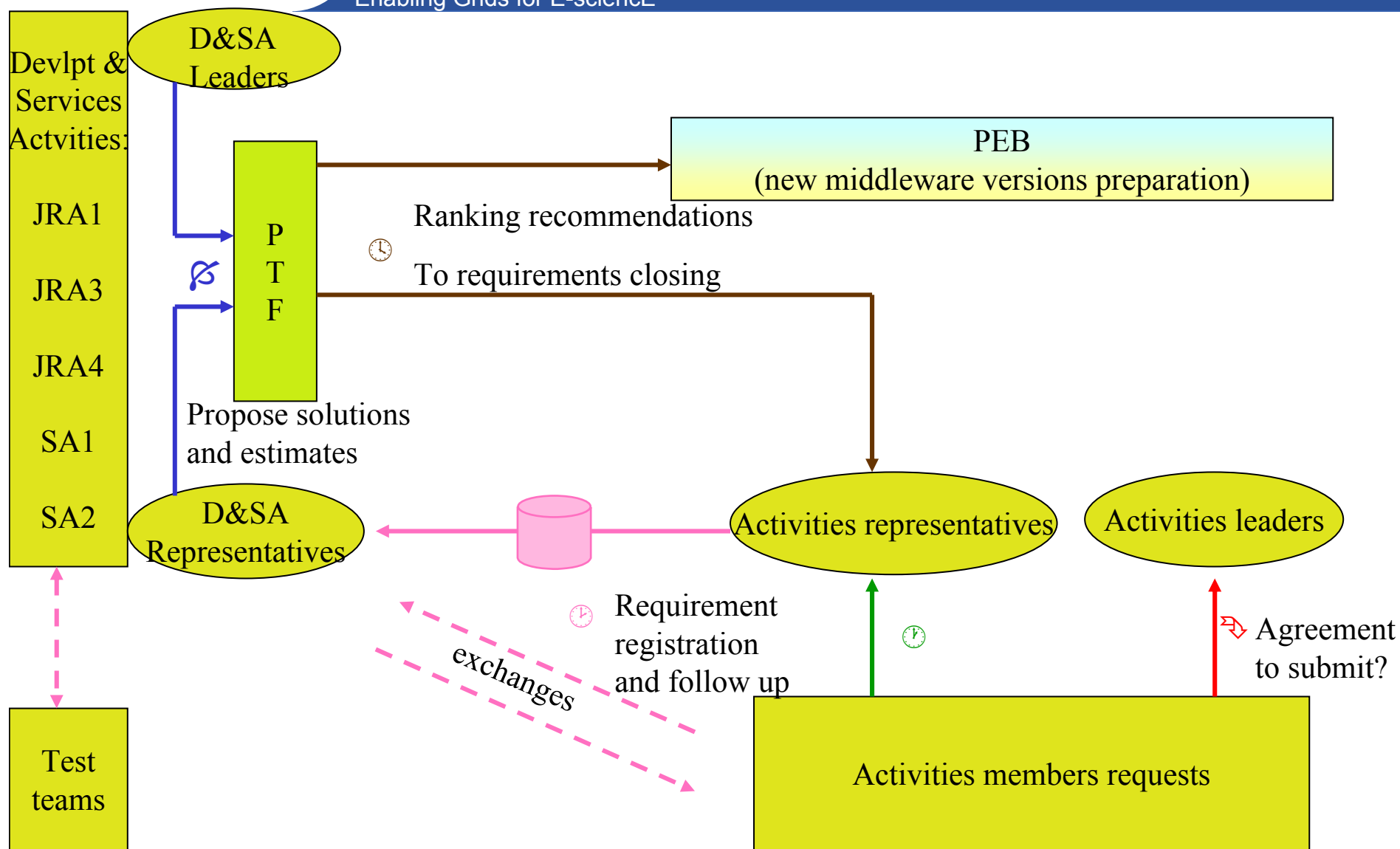


1 Requirements registration  
(requesting Activities representatives)

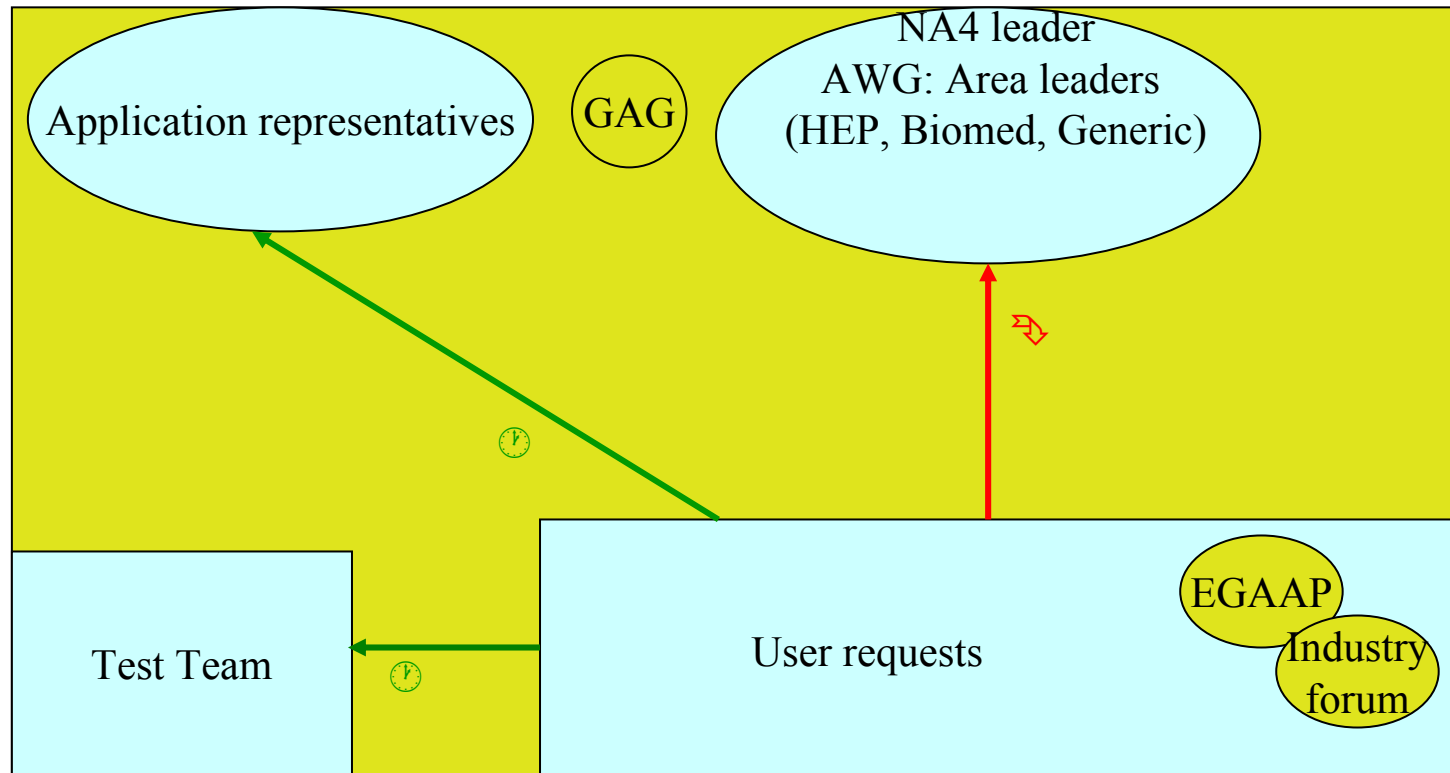
2 Requirement follow up  
(all concerned: requesting Activities,  
Design & Services Activities, PTF)

3 Requirement updates & closing  
(Requesting Activities representatives)





# Requirement process (inside NA4)



## Application requirements

The EGEE requirements database is opened to anybody for reading. Only authorized users can propose modifications and create new requirements. If you need to make modification but you are not authorized, [check here who is your representative](#).

### Browse and update requirements

<p style="text-align: center;"> <a href="#">All requirements</a>  <a href="#">Requirements-Services matrix</a>  <a href="#">Text output of the requirements database</a> </p> <p style="text-align: center;">Older snapshots:</p> <ul style="list-style-type: none"> <li>• <a href="#">2004-08-16</a></li> </ul>	<p style="text-align: center;">By middleware:</p> <ul style="list-style-type: none"> <li>• <a href="#">User interface</a></li> <li>• <a href="#">Job submission</a></li> <li>• <a href="#">Data management</a></li> <li>• <a href="#">Information system</a></li> <li>• <a href="#">Storage</a></li> <li>• <a href="#">Network</a></li> <li>• <a href="#">Operation</a></li> </ul>	<p style="text-align: center;">By type:</p> <ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> Function</li> <li><input type="checkbox"/> Interoperability</li> <li><input type="checkbox"/> Performance</li> <li><input type="checkbox"/> Reliability</li> <li><input type="checkbox"/> Security</li> <li><input type="checkbox"/> Portability</li> <li><input type="checkbox"/> Accessibility</li> <li><input type="checkbox"/> Metrics</li> <li><input type="checkbox"/> Production</li> <li><input type="checkbox"/> Accounting</li> </ul> <p style="text-align: center;"><input type="button" value="Search"/></p>	<p style="text-align: right;">By area:</p> <ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> HEP</li> <li><input type="checkbox"/> Biomed</li> <li><input type="checkbox"/> Generic</li> <li><input type="checkbox"/> Geophysics</li> <li><input type="checkbox"/> Earth Observation</li> <li><input type="checkbox"/> Astronomy</li> <li><input type="checkbox"/> GRACE</li> <li><input type="checkbox"/> DILIGENT</li> <li><input type="checkbox"/> SEE-GRID</li> <li><input type="checkbox"/> SA1</li> <li><input type="checkbox"/> SA2</li> <li><input type="checkbox"/> JRA1</li> <li><input type="checkbox"/> JRA2</li> <li><input type="checkbox"/> JRA3</li> <li><input type="checkbox"/> JRA4</li> <li><input type="checkbox"/> Any</li> </ul> <p style="text-align: right;"><input type="button" value="Search"/></p>
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### Create a new requirement

Related to:

- [User interface](#)
- [Job submission](#)
- [Data management](#)
- [Information system](#)
- [Storage](#)
- [Network](#)
- [Operation](#)

## Job submission

### R0005 - Parallel jobs execution

**Version** 4

**Creation date** 2004-06-02

**Last update** 2004-11-25

**By** Pasquale Pagano (DILIGENT)

**Contact** [iblanque@dsic.upv.es](mailto:iblanque@dsic.upv.es)

**Description** Parallel execution is mandatory for some applications. The middleware is expected to enable parallel job submission (by specifying a number of hosts to allocate at submission time, at least at a site scale) and provide a message passing interface (preferably MPI)

**Area** HEP Biomed Generic DILIGENT

**Priority** Very high

**Type** Function Performance

**Services** S8.3 (Workload Management)

**Requirement date** PM1

**Implementation hint** MPICH-G2 is satisfying: it has already been experimented. The job submission system need to take into account parallel jobs.

**Status** Required

Update requirement

**Applicable usecases** [AWG UC#PJ](#)  
[HEPCAL UC#parallejobssubmit](#)

**Track record**

Date	User	Comment
2004-06-02	iblanque	PMO: Since late 2003, EDG middleware 2.1 provides access to MPICH-G2
2004-06-02	iblanque	PMO: LCG2 middleware does not support parallel jobs

**Applications**

**References**

Add usecases, track record, applications or usecases

**Public Areas: Quick Overview**

- Project Homepage
- Project Memberlist (5 members)

**Public Areas: Communication Tools**

- Mailing Lists (1 public mailing-list)

**Public Areas: Development Tools**

- Bug Tracker (42 open bugs, 44 total)
  - Submit a Bug
  - Browse Open Bugs
- Task Manager (0 open task, 0 total)
  - Submit a Task
  - Browse Open Tasks

#5612	R0025 - Requirement should be split	2004-Nov-17 16:47	loomis	loomis
#4201	R0026 - Data registration, retrieval, and deletion needs to be decomposed	2004-Jul-22 14:52	loomis	leanne
#5613	R0026 - Requirement should be split	2004-Nov-17 16:47	loomis	loomis
#5614	R0028 - Clarification of partial file access	2004-Nov-17 16:48	loomis	loomis
#5618	R0028 - Requirement sho			
#5615	R0030 - Requirement vag			
#5616	R0031 - Requirement sho			

Submitted by: Charles Loomis <loomis>  
Submitted on: 2004-Nov-17 16:48

**bug #5614 overview: R0028 - Clarification of partial file access**

[Submit Changes and Browse Items](#)  
[Submit Changes and Return to this Item](#)

Requirement ID

Note: Requirements are shown as 'bugs in Savannah'

Category:  Severity:   
 Item Group:  Status:   
 Privacy:  Assigned to:   
 Open/Closed:

**Summary:** \* R0028 - Clarification of partial file access

**Original Submission:** What is really intended here? One can always make a local copy and read a part of it. I suspect you want something more. "Must be possible to read any subset of bytes from a remote file."? I think there is also some performance expectation in this statement: "Reading 1% of a remote file should take approximately 1% of the time necessary to read the full file."

**bug #5614 details:**

- Follow-up Comments
- Attached Files
- Mail Notification Carbon-Copy List
- Dependencies
- Reassign this item
- History

## bug #5614 overview: R0028 - Clarification of partial file access

Submitted by: Charles Loomis <loomis>

Submitted on: 2004-Nov-17 16:48

[Submit Changes and Browse Items](#)

[Submit Changes and Return to this Item](#)

Category:

Severity:

Item Group:

Status:

Privacy:

Assigned to:

Open/Closed:

Summary: \*

Original

Submission:

What is really intended here? One can always make a local copy and read a part of it. I suspect you want something more. "Must be possible to read any subset of bytes from a remote file."? I think there is also some performance expectation in this statement: "Reading 1% of a remote file should take approximately 1% of the time necessary to read the full file."

## bug #5614 details:

- [Follow-up Comments](#)
- [Attached Files](#)
- [Mail Notification Carbon-Copy List](#)
- [Dependencies](#)
- [Reassign this item](#)
- [History](#)