

## Use Case: *Monitoring of User Jobs*

<b>Identifier</b>	<i>UC # MUJ</i>
<b>Goals in Context</b>	<i>Monitor progress and status of user jobs.</i>
<b>Actors</b>	<i>User, information service (resource usage accounting, status and performance tracking).</i>
<b>Triggers</b>	<i>User submits a job.</i>
<b>Included Use Cases</b>	<i>Submission of user jobs.</i>
<b>Extended Use Cases</b>	<i>None.</i>
<b>Pre-conditions</b>	<i>Job is accepted for submission by the D0 Grid.</i>
<b>Post-conditions</b>	<i>All information related to job execution is recorded persistently by the information service.</i>
<b>Basic Flow</b>	<i>All stages of user jobs are recorded and reported as they occur.</i>
<b>Devious Flow(s)</b>	<i>If job terminates abnormally, the system will detect this and take the appropriate action (e.g., notify user, release resources taken by the job, etc.).</i>
<b>Importance and Frequency</b>	<i>Important for all users, as well as for the system performance tuning.</i>
<b>Additional Requirements</b>	<i>None.</i>