

Use Case: *File Transfer Monitoring*

Identifier	<i>UC #FTM</i>
Goals in Context	<i>Monitor progress and status of file transfers.</i>
Actors	<i>D0 data handling system, users, information service.</i>
Triggers	<i>User submits an analysis job which requires files not replicated on the local disk. User jobs (or the online system) create files that have to be stored on the mass storage system.</i>
Included Use Cases	<i>None.</i>
Extended Use Cases	<i>None.</i>
Pre-conditions	<i>File transfer is invoked by the D0 data handling software.</i>
Post-conditions	<i>File transfer is completed, and all related information is recorded persistently by the information service.</i>
Basic Flow	<i>All file transfer stages are recorded and reported as they occur.</i>
Devious Flow(s)	<i>For the unsuccessful file transfers information service will record cause of the failure, as well as take appropriate action (e.g. notify the data handling system administrators).</i>
Importance and Frequency	<i>Important for the system administrators (e.g., troubleshooting, system performance tuning, etc.), and users (e.g., estimating time of job completion).</i>
Additional Requirements	<i>None.</i>