The goal of the Quality Assurance (QA) working group is to identify and troubleshoot problems and implement ways in which TeraGrid software components/services and production deployments can be improved to reduce the number of failures requiring operator intervention. This includes analyzing multiple sources of data to see which components/services are the most important to users, analyzing the reliability of those services as monitored by Inca and other monitoring systems, and focused troubleshooting of high priority problems such as scalability testing. The group currently employs a total of 2.88 FTEs. This includes two co-leads for the group at 20% of an FTE together and mostly a quarter to a half FTE at each site to ensure a broad wealth of expertise and viewpoints. During the proposed extension, the group will continue to work on focused troubleshooting of problems most relevant to users.