

Network Measurements Research Group

Area: ISP

Chairs: Brian Tierney and Richard Hughes-Jones

Charter

The Network Measurements Research Group (NM-RG) will focus on the relationship between network performance characteristics and Grid middleware. The objective of NM-RG is to explore what aspects of the network are most important to Grid middleware, and explore how the knowledge of network behavior such as bandwidth, latency, or jitter, might be used to build network-aware middleware.

Specific topics of interest include, but are not limited to:

- What network characteristics are most useful to Grid Applications
- Are there "derived characteristics" (combinations of characteristics) that are even more useful?
- When can passive monitoring be used, and when must active monitoring be used?
- Which Grid services should collect and publish passively collected network monitoring data ?

The role of the NM-RG role is related to, yet quite distinct from that of the Network Measurement Working Group (NM-WG). The NM-WG is focused on specific mechanisms for publishing network monitoring data. The NM-RG will provide a forum for discussion of how Grid middleware might utilize such information. This is currently an open research question, and one we feel can best be addressed by the GGF. We expect any specific conclusions reached by the NM-RG to be then standardized by the NM-WG, so some other WG.