

Next-Generation Measurement Architecture Standardization and Outreach Group (NMASOG) Mission Statement

The goal of the Next-Generation Measurement Architecture Standardization and Outreach Group (NMASOG) is to facilitate the standardization and broad deployment of a comprehensive Internet broadband performance measurement architecture, protocols, metrics, and data structures. It provides requirements and input to standardization bodies, and describes how the output of these external organizations can be best used to create a reliable, accurate and sustainable broad performance measurement infrastructure.

NMASOG is initially focused on serving the needs of US residential broadband consumers, the FCC and carriers, but aims to make its recommendations broadly applicable beyond those groups, such as for enterprise networks and to evaluate performance beyond the “last mile”. The components of this effort may also allow customers of broadband services to evaluate their own network performance and help with diagnosing performance-related problems.

The NMASOG addresses statistical and operational features of end to end broadband performance measurement, integrating and profiling standards and practices developed in external standards bodies. NMASOG builds on the work of the Federal Communication Commission's (FCC) Measuring Broadband America (MBA) program and seeks to leverage other industry, academic and regulatory efforts. NMASOG will provide support for the development of concepts for measurement of performance and the promotion of the appropriate protocol and metric standards development in organizations such as the IETF, Broadband Forum, and other Internet and broadband technology groups. In addition, NMASOG will facilitate development of best practices and standards for operational practices, statistical models, measurement data processing, and presentation of measurement data, all of which are crucial to making broadband performance measurement relevant to consumers and industry.

NMASOG will also serve as a forum for other important discussion on topics that fall outside the scope of technical standards development. It will, for example, promote improved broadband performance knowledge in academic research, industry best practices, regulatory policy, and in other areas valuable to consumers.