



Problem Statement BMN-08

Automated DNS Resolver Benchmarking with YANG

Category: *Benchmarking Methodologies for Network Systems (BMN)*

[Reference Document: draft-ietf-bmwg-network-tester-cfg](#)

[Working Group: BMWG](#)

Problem Statement

Integrate **YANG-based tester configuration** models from **draft-ietf-bmwg-network-tester-cfg** into the **AIORI DNSSEC resolver testbed**. Automate benchmarking of resolver query latency, cache efficiency, and DNSSEC validation overhead.

Focus Areas

- Build YANG models for test tools and traffic generators.
- Showcase repeatable, automated benchmarking experiments.
- Demonstrate results through dashboards and logs.