Title: DNS for Internet Service Providers

Audience: Technical staff of ISPs and Network Operators

Duration (Remote Delivery): 4 hours

Prerequisite Courses: DNS 101, DNSSEC 101

Description: This course will discuss the important elements of DNS typically handled by the ISPs and Network Operators, such as operating secured recursive resolvers and the deployment of best current practices.

Expected Outcome
Participants should be able to understand the secure operation of recursive servers.

Course Outline
- Open vs. Closed Resolvers
- DNSSEC Validation
- DoH and DoT
- Hyperlocal
- Monitoring & Troubleshooting
- RPKI (Routing security) and DNS Operations
- Reverse DNS