Specifications

Project Title: Network Sniffer Purchase
Customer: Pennsylvania Office of Administration

1. Introduction

These specifications are for the acquisition of a hardware and software solution that will analyze Commonwealth network traffic. These specifications outline the objectives, scope, deliverables, timeline, and responsibilities for the procurement and installation of a network sniffer solution. This solution will be used to analyze network traffic, identify bottlenecks, and enhance network performance and security monitoring capabilities.

2. Objectives

The objective of this procurement is to procure a commercial-off-the-shelf network sniffer hardware and software solution, with incidental installation services, training and maintenance.

3. Specification

3.1. Network Analyzer Solution

The bidder shall provide a solution consisting of hardware and software, including any necessary firmware, that will analyze traffic data and meets or exceed the following minimum technical performance requirements.

Network Interfaces:
4 × 1GbE, 1 × pass-through
4 × 1GbE, 2 × 10GbE, 4 × 10GbE
4 × 10GbE, 4 × 25GbE, 2 × 40GbE, 2 × 100GbE
4 × 10GbE, 2 × 40GbE, 2 × 100GbE

Storage Requirements:
1 TB SSD Raw storage
24 TB Raw storage
72 TB Effective storage
240 TB Raw storage 720 TB Effective storage

Physical Specifications:
Compact appliance
1U, 2U and 4U form factors
All devices provided must support remote management.

Software Requirements:
Network analytics software with customizable workflows and visualizations or dashboards
Unlimited Remote Engine Connections
Filters and Alarms
Wireless (a, b, g, n, ac) analysis
Expert Flow Analysis
Web Traffic Analysis
Local File Analysis
Multi-Segment Analysis
Ability to drill down from a global network view to specific locations, hops, or individual packets.
Real-Time Monitoring
Real-time, dynamic network topology maps and paths

4. Deliverables

Deliverable	Description	Due Date
Network Sniffer Tool	Licensed Software or Appliance	Within 30 days of Award
Deployment Report	Documented installation and configuration steps	Within 30 days of Award, but no later than when the network sniffer tool is provided
Training Materials	Documentation of training for Hands-on training for IT staff	Within 60 days of Award

5. Timeline

Phase	Estimated Duration	Start Date
Deployment	1-2 days	Within 30 days of Award
Testing and Validation	1 day	Within 30 days of Award
Training	.5 days	Within 60 days of Award

6. Training
The selected bidder must provide a half-day of training for the Commonwealth at a mutually agreed upon date and time. At the discretion of the Commonwealth, training may be in person or virtual. At the time training is provided, the selected bidder shall provide all training documentation and supporting documents.