Timeline for AAI Measurements - I

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1 Abbreviations

1. The scenarios described in [1] are abbreviated as *SCEN1* to *SCEN6*:
   - SCEN1 - KU/TIOC/NRL Three-Site Configuration
   - SCEN2 - Point-to-Point Full Duplex Configuration
   - SCEN3 - Three-Site Pair Full Duplex Configuration
   - SCEN4 - Switch-by-Switch 2-way Full Duplex Configuration
   - SCEN5 - Two-way Full Duplex Configuration
   - SCEN6 - All-Site Full Duplex Mesh Configuration
2. The weeks on which the experiments are scheduled to occur are abbreviated as *wk n*.
3. Each experiment is divided into three phases: the set-up (abbreviated as *S*); the measurements (abbreviated as *E*, for Experiment); and the analysis (abbreviated as *A*).
4. The parameters to be measured fall into three categories:
   (a) Throughput Measurements: include Application Layer Throughput, AAL 5 Throughput and ATM Layer Throughput;
   (b) Delay Measurements: include Ping Delay at the Application Layer, Packet Interarrival Time (at the TCP Layer) and PDU Interarrival Time (at AAL 5);
   (c) Error Measurements: include Packet Error Ratio.

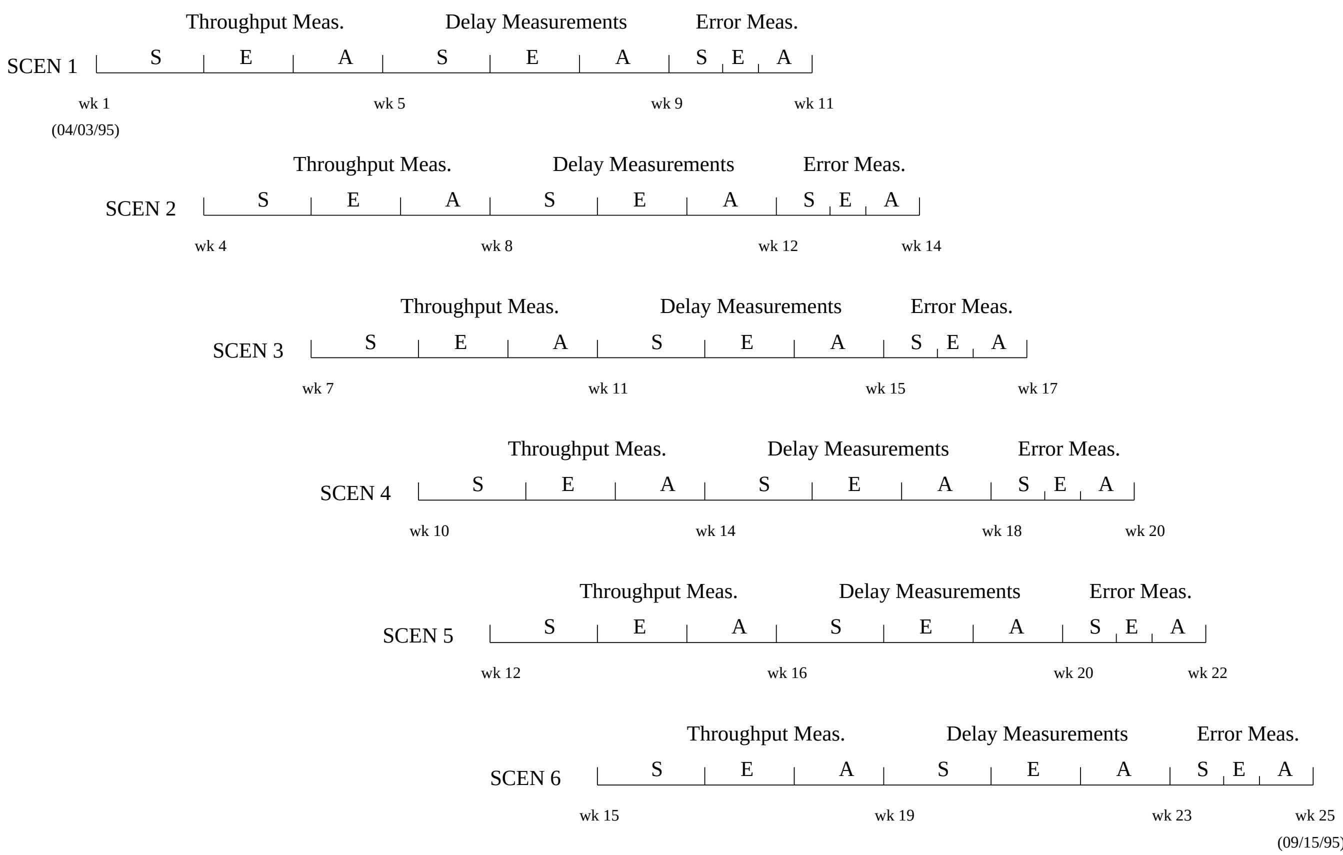

Figure 1: Timeline for AAI Experiments - Phase I

2 Timeline

The timeline is shown in figure 1.

3 Future Experiments

Not shown on the timeline are the following experiments, for which the development of additional tools is necessary:

- AAL 5 - PDU Error Ratio and BER
- ATM Layer - MCTD, 2-point CDV, CLR, CMR, CER

References

[1] Luiz DaSilva, Hongbo Zhu, Victor Frost, Joseph Evans, Douglas Niehaus, and David Petr, "Performance and Traffic Measurement Scenarios for the AAI Network," *Technical Memorandum TISL-10980-3*, 1995.