MOSAICS
Field Test #2
Preliminary Results

18 May 2021

Agenda

- 47 CTS DT&E Overview
- 47 CTS Field Test #2 Results
- 346 TS Overview
- 346 TS Practice Military Utility Assessment Results

47 CTS DT&E Overview

- **Conducted 4 test events**
  - Quarterly Test — December 2019
  - Field Test #1 — August 2020
  - Field Test #2 (Part 1) — 11-17 March 2021
  - Field Test #2 (Part 2) — 3-7 May 2021
- **Test Method**
  - Initiate attacks against the MOSAICS protected ICS
  - Verify that MOSAICS correctly assess and alert
  - Verify all other MOSAICS required features
- **Summary**
  - Observed MOSAICS capability increase and objective environment integration progress

47 CTS Field Test #2 Results

- **May Results**
  - Six Category 2 Urgency Deficiencies
    - 3x Baselining
    - 3x SRS (User Interface)
  - One Category 1 Urgency Deficiencies
    - Alerter instability
- **March Results (In Review)**
  - 10 Category 1 Urgency Deficiencies
  - One Category 2 Urgency Deficiencies
  - Some DRs are in review to close

346 TS Overview

Test Squadron is the MAJCOM OT Org (OTO) for Cyber OT
346 TS conducts the following spectrum of Cyber OT

Military Utility Assessment (MUA)

- ❑ **Assessment of a new capability & how well it addresses military need.**
- ❑ **Characterizes the military utility considering ops factors (e.g. maintainability)**

Force Development Evaluation (FDE)
Operational Utility Evaluation (OUE)
Tactics Development and Evaluation (TD&E)
Operational Assessment (OA)

Purpose of test

The overall purpose of the practice MUA was to conduct a dry run of MOSAICS military utility assessment (MUA).

- **Area of focus: baselining, threat detection, and operator training**
- **Critical Operational Issue (COIs) covered:**
  - **COI 1 Will MOSAICS allow operators to detect cyber threats on ICS network?**
  - **COI 4 Can MOSAICS be sustained in its operational environment?**

Observation

Observations were during a dry run of MOSAICS MUA.

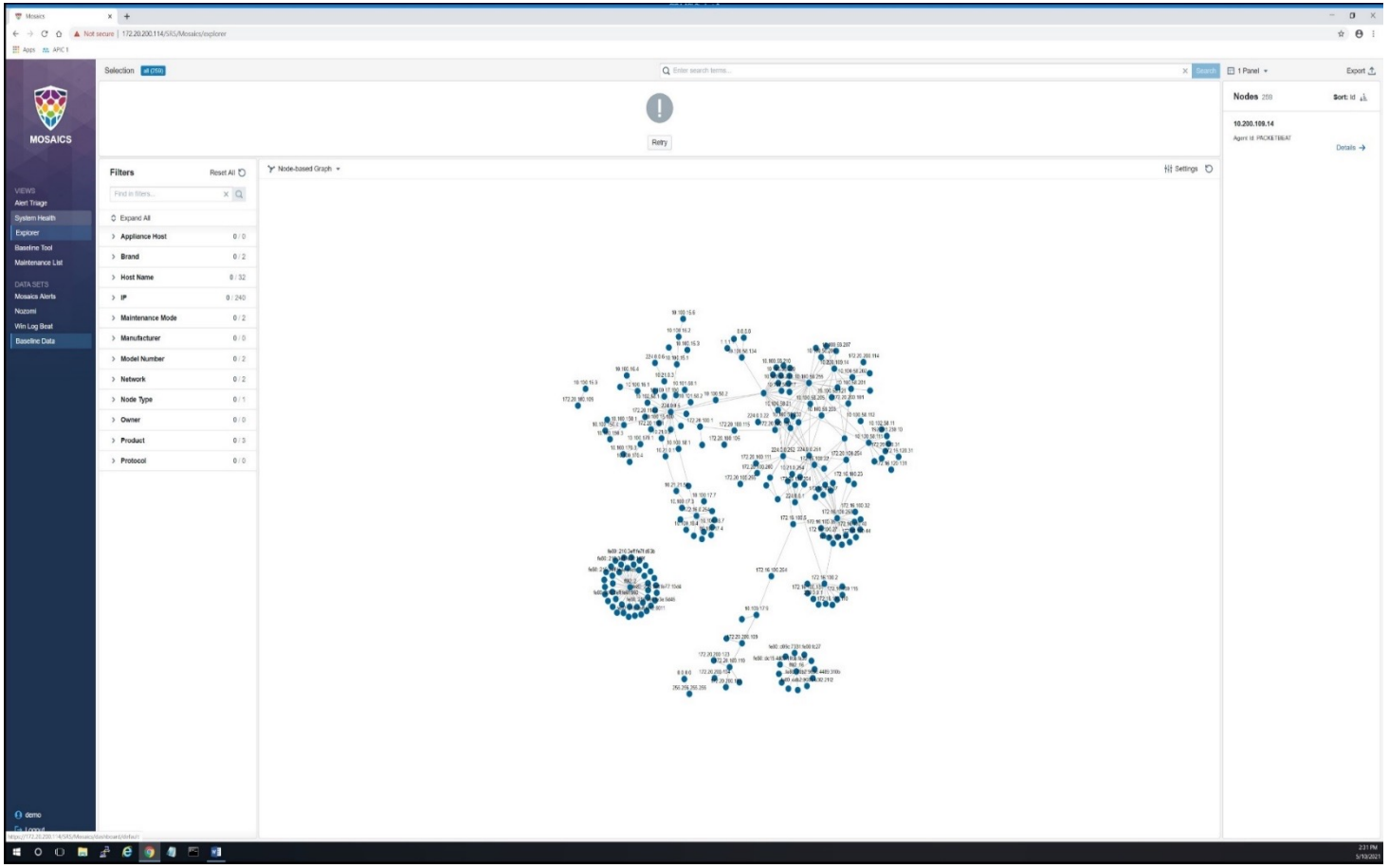
- The comprehensive analysis of test data may result in findings different than those presented in this briefing

- **Baseline tool:** Initial feedback from operators was mostly positive. Security and management benefits of an accurate baseline tool is invaluable to the operators

- **Threat detection:** SRS interface was intuitive but operator feedback produced additional improvements that will be provided to the developers

- **Training:** Operator training is still pending

Baseline Tool



Questions