Asynchronous Network Management System (ANMS)

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Tool for the monitoring and control of network nodes comprising a space-terrestrial internetwork.

- Enable missions operating over challenged networks, such as Delay/Disruption-Tolerant Networks.
- Enable organizations developing AMP implementations.
- Baseline draft Asynchronous Management Protocol (AMP) specification.
  - Will track with changes made to this approach through standardization.

Reduce the risk and learning curve for the testing and operational deployment of DTNs
Layer 1 Decomposition
Demo
Welcome to AMMOS ANMS

commit: 'bb5928b'

v0.1.1 initial implementations
ANMS v0.1.1 – Monitor Tab
ANMS v0.1.1 – Grafana visualizations of full_report variables and message rate
ANMS v0.1.1 – Agent Tab

<table>
<thead>
<tr>
<th>registered_agents_id</th>
<th>agent_id_string</th>
<th>first_registered</th>
<th>last_registered</th>
</tr>
</thead>
</table>

Manage Agents on network
Choose:
- Start (seconds from receipt)
- Period (seconds)
- Count
- Report:

- ltp_agent.endpointReport
- bp_agent.endpoint_report
- bp_agent.full_report
- amp_agent.full_report

Allows users to construct and send control to add new time-based rule for report generation, and without direct CBOR interaction.

An example of more user-friendly options to come.
ANMS v0.1.1 – ARI Transcoding