

8D: Network Standards and Interoperability

- **Good progress is being made in several implementations of the SLE Service Management standards**
 - **JPL/NASA DSN, NASA/CSOC, VEGA (UK), AFSCN**
 - **Recent shift in approach is good: implement some features, try it with users, get feedback, implement some more**
 - **Important to involve users in trials, not just developers and service providers**

SLE Service Management Standards

- **Functions initially implemented are exchange of contact schedule, configuration, and orbit data**
- **Participants suggested other functions to support: view entire schedule, get tracking data, get RTS status (real-time and trend data), accounting, security**
- **Most implementations still have “air gap” to legacy scheduling and config. systems**

Internet in Space

- **Space shares features of other emerging Internet environments**
 - **Mobility, noisy links, long delay, low power, asymmetric data rates**
 - **Can utilize emerging Internet enhancements, such as Mobile IP, bandwidth reservation, selective Nack**
- **Recent demo by CANDOS in Shuttle bay**
- **May be alternative to CCSDS space links & SLE**
 - **But does not provide all the same services/features**
- **User conservatism remains to be overcome**