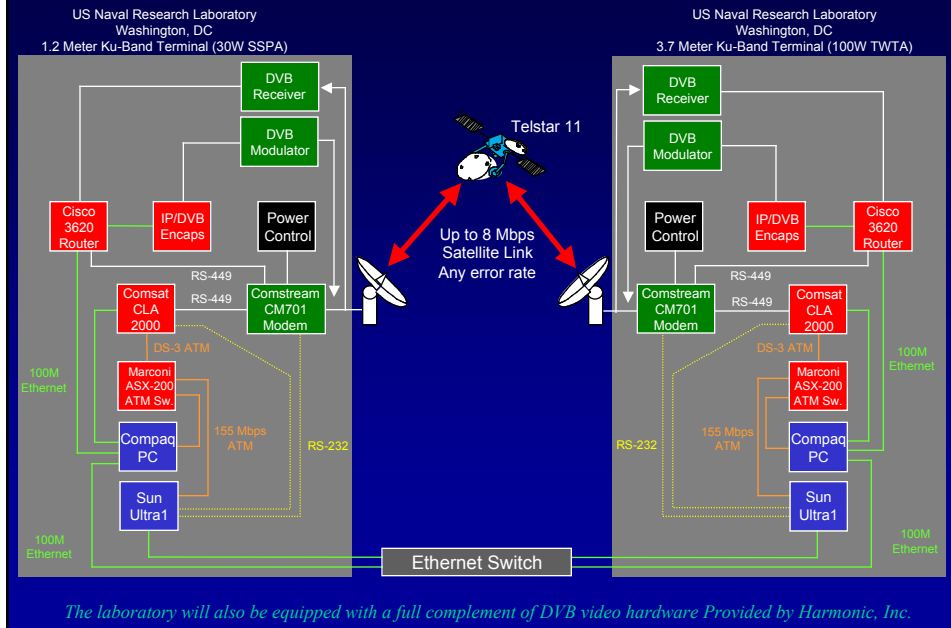


CoSTAR Satellite Protocol Testbed

Consortium for Satellite/Terrestrial Applied Research



CoSTAR Research Interests

- TCP Performance over very high Bandwidth*Delay Product networks
- Study of mechanisms that distinguish between errors and congestion in end-to-end TCP flows
- Study of Protocol Enhancing Proxies (PEPs)
- Satellite-Based Storage Area Networks
- Comparison of transport protocol efficiencies (ATM, DVB, HDLC, CCSDS)
- TCP Direct-to-Ground Asymmetry experiments
- Adaptive Uplink Power Control
- Reliable Multicast Mechanisms
- CDMA and Dynamic Access
- System Interoperability

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Current Active Participants in the CoSTAR Testbed

- Infinite Global Infrastructures, LLC (Lead)
 - NASA Glenn Research Center
 - NASA Johnson Space Center
 - NASA Goddard Space Flight Center
 - NASA Ames Research Center
 - US Naval Research Laboratory
 - Boeing Satellite Systems
 - Boeing Connexion
 - Lockheed Martin Space Operations
 - Lockheed Martin Commercial Space
 - Spectrum Astro
 - Georgia Tech.
 - New Mexico State University
 - UCLA
 - University of Maryland
 - Cisco Systems
 - Marconi Communications
 - Ampex Data Systems
 - Harmonic Data Systems / Harmonic, Inc.
 - Norsat International
 - SkyStream
 - Radyne-Comstream
 - Newtec America
 - Ktech, Inc
 - Compaq Computer Corporation
 - Sun Microsystems
 - NetEx Software
 - IBM *
 - Hewlett-Packard *
 - Intel *
 - Microsoft *
- * Indicates past key contributor not presently active in the project