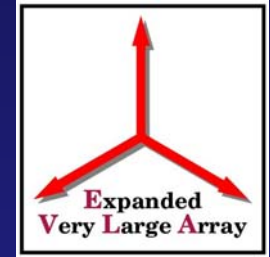


EVLA Monitor and Control

Monitor & Control Transition



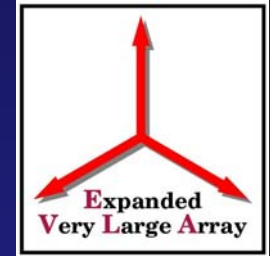
Antennas



- Antennas – Front Ends
 - Not all Front Ends Will Be EVLA
 - ◆ EVLA Interface to F14's Required



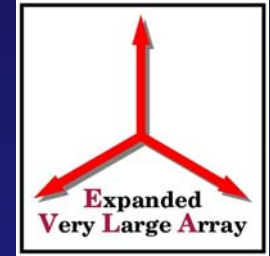
Antennas



- Antennas – Wye Monitor System
 - Interface Re-Designed for EVLA
 - MIB to MIB Communications
 - Consolidate Functions to Devices



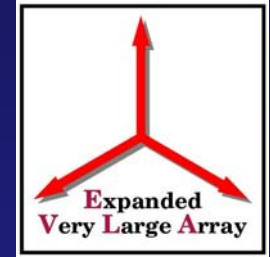
Control Building



- Control Building – Antenna Interface
 - New Modules Connect to EVLA M&C
 - ◆ Includes Temporary Modules
 - SLC Operates VLA Antennas
 - ◆ Operates EVLA at VLA Baseband
 - SLC Operated By Modcomps or EVLA Machine



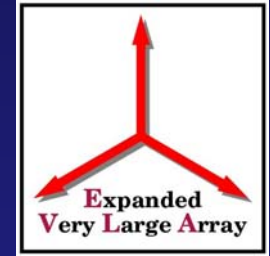
Control Building



- Control Building – Master Rack
 - SLC Controls VLA Master Rack
 - EVLA Master Rack Connected to EVLA M&C
 - Weather Station
 - ◆ Interfaces Re-Designed for EVLA
 - ◆ Modernized Weather Instrumentation
 - ◆ Fiber Run to Weather Station



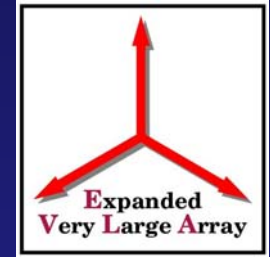
Control Building



- Control Building – Wye Monitor System
 - HVACs, UPS's, and Generators
 - ◆ Interfaces Re-Designed for EVLA
 - ◆ Fiber Run to Generator Building
 - Modcomps Software Watchdogs
 - ◆ EVLA Requirements?



Control Building



- Control Building – Other
 - Atmospheric Phase Interferometer (API)
 - VLBI/VLBA Racks
 - HTRP or Pulsar Equipment Racks
 - Pie Town Link
 - IAT Clock