Subject: Electronic Rack Assembly Facility (ERAF)

Mario Ortega presented information on installation for global controls, the Electronic Rack Assembly Facility (ERAF) and checkout. Mario broke down electronic installation into two "flavors". First is global controls which has phase 1, early installation of control and timing fiber backbone and phase 2 which is completion of pulls to network racks and fiber pulls between buildings and sectors. The second flavor is area installation of rack factory equipment and freestanding power supplies.

The items included in installation costs for ERAF are transportation from the rack factory to the operational location, the connection of the AC service from the panel to the rack, the interconnection of the water to the rack and the affixing of the rack in its operational location. Installation cost for global controls will be included in the global controls WBS, not area installation.

Mario is planning to assign the rack installation cost to the WBS title Install Instrumentation for each of the 24 areas for the time being. Karen mentioned that the WBS for installation needs to be changed to reflect a task orientation rather than a component orientation. Not included in ERAF costing are installation costs for freestanding electronics/control equipment (i.e. power supplies exceeding 10 kW). These installation costs will be estimated by the subsystem engineer costing the components and will be included in the area installation costs.

Carl suggested having a policy requiring all power supplies and other rack mountable items be sized to be rack mountable whenever possible. Mario described what information will be included in the NLC database. He provided an overview and functional description of the electronics racks assembly, a flow diagram of what is included in rack model, a cost estimate for a typical double rack and a schedule. Hard copies of Mario viewgraphs are available.