The purpose of the PDR of an EVLA Subsystem is principally to review 3 questions:

1. Are the top level performance requirements for the subsystem complete and adequate?

2. Have the correct design solutions been selected for study and development during the EVLA Design Phase? Are there important alternate solutions that are not being studied.

3. Has an adequate procurement plan been identified for the subsystem?
EVLA Transition Hardware

**Old Systems**

1. Front End
2. IF
3. Waveguide Transmission
4. Baseband
5. Digitizer
6. Old Correlator

**New Systems**

1. Front End
2. IF
3. Digitizer
4. Fiber Transmission
5. D/A
6. Digital filter
7. Old M/C System
8. New M/C System
9. New Correlator

**Old M/C System**

**New M/C System**
Project Schedule

• Start installation of fiber optics cables on Y Q4 2002
• Prototype EVLA system lab integration and test Q1 2003
• Install prototype EVLA system on EVLA Test Antenna Q2 2003
• Start EVLA electronics production Q4 2003
• Start retrofitting 7 antennas/year with new system Q2 2004
• Start observing in “transition” mode Q2 2004
• Test of prototype correlator on 3 or 4 antennas Q4 2005
• Start outfitting new correlator room Q2 2006
• Start tests of first correlator subset at VLA Q4 2006
• First “shared-risk” science with new correlator subset Q2 2007
• Last antenna retrofitted to EVLA design Q1 2008
• New correlator declared “operational” Q1 2009
• Last EVLA receiver installed Q1 2010