ALMA System Design Review
Date: early 2004 (Beginning of March) for 2d during Mini ALMA week
Location: tbd
Author: Ch. Haupt, 1 December 2003

Items to be covered

The design review shall concentrate on the telescope array design only and to ensure that the telescope and its sub-systems will meet the science, system and lower tier down requirements (L2 and L3 according to product tree). Following IPTs and groups will be involved: System, Antenna, Front End, Back End, Correlator, Computing and Local Oscillator.

Deliverable Documentation
For this review each IPT and group need to deliver the following documentation:
1. Design description which covers the corresponding sub-system design down to Level 2 or Level 3 (if appropriate) item according to the product tree. This design description includes block diagrams, system budgets, a description about the actual design (including a design justification), interface design and a presentation of the achieved performance. All this is to ensure that the chosen design is able to meet the requirements and interfaces correctly with the adjacent hardware.
2. Compliance matrix. This compliance matrix shall provide a compliance statement to all requirements; Performance, ICDs, Engineering and Product Assurance requirements.
3. A configuration item data list CIDL (As designed or as build) down to L2.
   (The CIDL is a list of all documents describing the current design or build status)
4. List of critical items. The list should comprise items critical for meeting the performance, schedule, or funding requirements. Please provide also a long lead items list.

The documentation shall be delivered 2 weeks prior to the System Design Review. Due to the fact that all sub-system are at least in a design phase between PDR and CDR the documentation preparation should be possible based on the existing technical / engineering documentation. In addition only a reduced set of documentation is asked for compared to the approved ALMA document 'ALMA Design Reviews Definitions, Guidelines and Procedure'.

Presentations
The presentations shall cover the same items as listed under deliverable documentation.

Participants
All IPT leads as listed above plus one senior design engineer for each IPT and group.

Review Panel
TBD. External reviewers are envisaged.

Schedule

System Design Review Meeting	Beginning of March 2004
All documentation posted on ALMA EDM System Design Review Folder and IPT review complete.	13 February
Presentation posted on ALMAEDM	25 February