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**DRAO Upstairs Meeting Room IP Address:** 192.139.21.207

**Participant Teleconferencing Connection Details:**

- Anywhere in North America: 1 866 261-6767 Passcode: 150167#
- Anywhere in the UK: 00-800-42783782 Passcode: 150167#

***Preliminary Round-table Items***

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| <b>Kerry Shores</b> | <ul style="list-style-type: none"><li>• Inquiry re: What to do with the boxes that were used to ship the board to the VLA.<ul style="list-style-type: none"><li>→ Brent responded that more robust boxes for shipping the new boards will be purchased.</li><li>→ It will cost too much to ship the boxes back to DRAO and Brent does not want to use them again.</li><li>→ <b>Decision</b> – The boxes can be disposed.</li></ul></li></ul> |
| <b>Kevin Ryan</b>   | <ul style="list-style-type: none"><li>• Kevin commented that he was away from the office last week.</li><li>• Anticipates completing work re: software schedule this week.</li></ul>   |
| <b>Bryan Butler</b> | <ul style="list-style-type: none"><li>• Bryan will call Sonja this afternoon to continue discussions re: software development plan.</li></ul>  |

***Hardware Update***

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| <b>Brent Carlson</b> | <ul style="list-style-type: none"><li>• Preparing for the CDR scheduled December 2 – 3 in Socorro next week.<ul style="list-style-type: none"><li>→ Brent will be in Socorro December 1 – 4, so will be available all day Monday and all day Thursday.</li></ul></li><li>• Progress is being made re: testing the Baseline Board but Brent is experiencing some frustration.<ul style="list-style-type: none"><li>→ Encountered an issue with the Accel chip from a brand new board, just received from BMS and never powered up at DRAO before.<ul style="list-style-type: none"><li>○ The Accel chip started up reporting errors and sitting at 0.7 volts.</li><li>○ The bad chip reported at Socorro was sitting at 0.6 volts.</li><li>○ The chip has reportedly been tested successfully at BMS.</li><li>○ Brent is investigating the issue.</li></ul></li><li>→ In order to perform boundary scan testing at DRAO a card purchase is required.</li><li>→ Baseline Board design changes are complete.<ul style="list-style-type: none"><li>○ Brent wants to wait until the Accel chip issue is sorted out before giving the go ahead to order.</li></ul></li></ul></li></ul> |
| <b>Dave Fort</b>     | <ul style="list-style-type: none"><li>• Dave will depart DRAO on Monday for the CDR in Socorro and not return to work until January 10, 2009.</li><li>• The biggest work stoppage is no IP addresses for testing the Station Boards.<ul style="list-style-type: none"><li>→ Tony H was on vacation but returns to work today.</li></ul></li><li>• Dave reported that the VSI chips are ready for installation on 3 Station Boards for eMERLIN.<ul style="list-style-type: none"><li>→ All other Station Boards are in working condition except for burn-in tests (pending IP addresses).</li><li>→ Once burn-in is complete, the boards can be shipped to the VLA.</li><li>→ Ralph has been trained how to complete all tests except the burn-in test.</li></ul></li></ul>   |

- Waiting for delivery of the heatsinks; delivery is anticipated soon.
  - Orders for heatsinks, including a flatness spec, have gone out to two manufacturers (in Abbotsford and Kelowna) in an attempt to get the best product with the least delay.
  - Dave is happy with the performance of the double padding on the non-flat heatsinks.
    - A tightening procedure is in place: the pads are very soft and meant to flow.
    - If the pads are tightened down slowly there is no risk to the BGA balls.
- Seven Station Boards can be shipped to the VLA once Dave receives the IP addresses and completes burn-in.
  - It is anticipated that once the VLA receives the 7 new Station Boards they will return the one problem board.
  - Reminder to Brent: if possible, inspect the Station Board at the VLA that has a thermal problem.
    - The thermal issue could be the heatsink. The temperature should be monitored to determine the problem accurately.

#### **Amy Fink**

- Amy reported that BMS will have the quote for 8 boards ready this week.
  - Brent is concerned that the LED anomaly could be a PCB defect.
  - Ordering the boards is on hold until the anomaly is fixed.
  - Production work orders were issued last week.
    - Parts purchasing for 25 Station Boards and 25 Baseline Boards is imminent with parts to be on-hand at BMS by the end of February.
  - It is anticipated that the first Station and Baseline Boards will be delivered to DRAO by early to mid-March.
- The Work Order for the X-bar Boards has been signed.
  - Due to the long leadtime of some of the parts, the 1-week expedited request was not made.
  - Once the boards are fabricated and populated, there will be 4 weeks of tests to complete.
  - The boards should be ready by January 19.