

# ARGONNE NATIONAL LABORATORY

## INTRA-LABORATORY MEMO

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DATE: July 15, 2004

TO: Attendees

FROM: John Maclean

SUBJECT: BCDA Group Meeting – 07/14/04

ATTENDEES: John Maclean, Kurt Goetze, Carlotta Lukowski, Ben-Chin Cha, Tim Mooney, Ron Sluiter, Brian Tieman, Joe Sullivan

ABSENT: Peter Fuesz

### STATUS:

John:

- Noted that construction has begun for the CNM and that the area is being fenced off for construction.
- ICMS Contractor up and running. Looks like a bit like CVS. Makes it easy to publish things on the web.
- PC update anti virus patches are installed automatically.
- EPICS training starts 8/16/04.
- John distributed a composite group project log for review (attached). Please let John know of any updates required

Joe:

- Sector 8 work.
- Web page creation.
- Next station conversion for S8 will be in September shutdown.
- Put out notice of hardware catalog beta release – seeking feedback.

Carlotta:

- EPICS training arrangements.

- Damage claim for computer equipment returned by E. Boucher.

Brian:

- Working with Mark Sutton on IMM multi tau processing algorithm.
- Testing P7000 drives from Pacific Scientific for Nano-CAT. Motors stall and drive stops.
- Tomography Sector 2 – fixed troublesome bug
- Met with Bill Sheehan and Mary Westbrook re access grid. They are to order memory for machine.
- Does anyone know of a barometric pressure transducer?

Kurt:

- Updated transition board. Has about five beamlines; esp. Sector 1 who would like to try it. Cost was less than \$100 each.
- Designed circuit board for manual stepper drive.
- Working on photon counter drivers.
- Lab will be moved as of Monday, July 12. New location is L1111.
- Request for Sector 2 pico motor support.

Ben-chin:

- Release Scansee 3.3.
- Sent out beta copies of Catcher 3.1.
- These will become the default versions on beams after the shutdown.

Tim:

- SynApps 4.7 scan records converted to 3.14.
- Save problems with scan records
- SynApps 5.1 almost finished (one week).
- The way Motor records are used for microscope on S2 may make upgrades difficult.

Ron:

- Delta Tau board problem has been determined. Occurs less frequently.
- Motor record conversions to asyn driver are underway.
- Would like to discuss content of next version of SynApps.
- Helping CATs with many intermittent problems.
- Xycom 540 boards – intermittent problem at UNICAT.
- Marty Smith will be doing upgrades to SBS VIP616 boards. Need description of problem to circulate to users.

JFM:ckl

To: Kurt Goetze  
Carlotta Lukowski  
Tim Mooney  
Ben-Chin Cha  
Ron Sluiter  
Brian Tieman  
Joe Sullivan

Copy to: Peter Fuesz

Attachment

FY05						
ID	Task Name	Duration	Start	Finish	Predecessors	Resource Names
1	<b>Sector 1</b>	<b>240 days</b>	<b>Tue 7/6/04</b>	<b>Mon 6/6/05</b>		
2	Operation support	12 mons	Tue 7/6/04	Mon 6/6/05		
3	<b>Sector 2</b>	<b>240 days</b>	<b>Tue 7/6/04</b>	<b>Mon 6/6/05</b>		
4	Operation support	12 mons	Tue 7/6/04	Mon 6/6/05		
5	Diffraction acquisition pre	1 mon	Tue 7/6/04	Mon 8/2/04		
6	M2/M3 mirror control GUI	1 mon	Tue 7/6/04	Mon 8/2/04		
7	Ithaco/B4-20 preamp con	1 mon	Tue 7/6/04	Mon 8/2/04		
8	Scanning x-ray microsc	1 mon	Tue 7/6/04	Mon 8/2/04		
9	Improved Nexus tools	2 mons	Tue 7/6/04	Mon 8/30/04		
10	<b>Sector 3</b>	<b>240 days?</b>	<b>Tue 7/6/04</b>	<b>Mon 6/6/05</b>		
11	Operation support	12 mons	Tue 7/6/04	Mon 6/6/05		
12	Update mono control	1 day?	Tue 7/6/04	Tue 7/6/04		
13	<b>Sector 4</b>	<b>240 days</b>	<b>Tue 7/6/04</b>	<b>Mon 6/6/05</b>		
14	Operation support	12 mons	Tue 7/6/04	Mon 6/6/05		
15	<b>IMMY - 8ID</b>	<b>240 days</b>	<b>Tue 7/6/04</b>	<b>Mon 6/6/05</b>		
16	Operation support	12 mons	Tue 7/6/04	Mon 6/6/05		
17	I Station conversion	8 wks	Tue 8/3/04	Mon 9/27/04	43	Joe Sullivan[50%]
18	<b>CMC - Sector 9</b>	<b>10 days</b>	<b>Fri 8/27/04</b>	<b>Thu 9/9/04</b>		
19	Upgrade synApps	2 wks	Fri 8/27/04	Thu 9/9/04		
20	<b>Bessrc - Sector 11</b>	<b>125 days</b>	<b>Mon 12/6/04</b>	<b>Fri 5/27/05</b>		
21	Test station setup	1 wk	Mon 12/6/04	Fri 12/10/04		
22	Installation	2 mons	Mon 3/14/05	Fri 5/6/05		
23	Commision	3 wks	Mon 5/9/05	Fri 5/27/05	22	
24	<b>PNC - Sector 20</b>	<b>40 days</b>	<b>Wed 9/1/04</b>	<b>Tue 10/26/04</b>		
25	BRICK for APD mesurem	8 wks	Wed 9/1/04	Tue 10/26/04		
26	<b>Nano CAT Sector 26</b>	<b>240 days</b>	<b>Tue 7/6/04</b>	<b>Mon 6/6/05</b>		<b>Brian Tieman[10%]</b>
27	Development support	12 mons	Tue 7/6/04	Mon 6/6/05		Brian Tieman[10%]
28	<b>IXS - Sector 30</b>	<b>2400 days</b>	<b>Tue 7/6/04</b>	<b>Mon 9/16/13</b>		
29	IXS construction support	120 mons	Tue 7/6/04	Mon 9/16/13		Kurt Goetze[10%]
30	<b>EPICS classes</b>	<b>30 days?</b>	<b>Tue 7/6/04</b>	<b>Mon 8/16/04</b>		
31	John Prep	2 wks?	Thu 7/22/04	Wed 8/4/04		John Maclean[50%]
32	Tim Prep	6 wks	Tue 7/6/04	Mon 8/16/04		Tim Mooney[50%]
33	<b>Data Visualization tools</b>	<b>360 days?</b>	<b>Tue 7/6/04</b>	<b>Mon 11/21/05</b>		
34	Development & support	18 mons	Tue 7/6/04	Mon 11/21/05		Ben-chin Cha
35	HDF5 browser	24 wks?	Tue 7/6/04	Mon 12/20/04		Ben-chin Cha[50%]
36	iTools	12 wks	Tue 7/6/04	Mon 9/27/04		Ben-chin Cha[50%]
37	SynApps 5.1	8 wks	Tue 7/6/04	Mon 8/30/04		Tim Mooney
38	Auto Alignment	6 mons	Tue 8/31/04	Mon 2/14/05	37	Tim Mooney[50%]
39	Modern Scripting Language	12 mons	Tue 2/15/05	Mon 1/16/06	38	
40	PMAC motor record support	8 wks	Tue 7/6/04	Mon 8/30/04		Ron Sluiter[50%]
41	OMS vMax motor record supp	4 wks	Tue 7/6/04	Mon 8/2/04		Ron Sluiter[50%]
42	BCDA Hardware Database	2 wks	Tue 7/6/04	Mon 7/19/04		Joe Sullivan[50%]
43	BCDA Knowledgebase	2 wks	Tue 7/20/04	Mon 8/2/04	42	Joe Sullivan[50%]
44	MVME5500 BSP	6 wks	Tue 8/31/04	Mon 10/11/04	40,43	Joe Sullivan[50%],Ro
45	Area Detector Control	12 wks	Tue 7/6/04	Mon 9/27/04		Brian Tieman[50%]
46	Tomography support	52 wks	Tue 7/6/04	Mon 7/4/05		Brian Tieman[10%]
47	Remote Access	12 mons	Tue 7/6/04	Mon 6/6/05		Brian Tieman[20%]
48	ebrick	3 mons	Tue 7/6/04	Mon 9/27/04		John Maclean[10%]
49	Detector Pool Support	12 mons	Tue 7/6/04	Mon 6/6/05		Brian Tieman[10%]
50	Hardware store	12 mons	Tue 7/6/04	Mon 6/6/05		Peter Fuesz[5%]
51	Portable BPM	2 mons?	Mon 8/2/04	Fri 9/24/04		John Maclean[10%],t
52	HW construction for S Ross	20 days?	Mon 7/26/04	Fri 8/20/04		Peter Fuesz[50%]