Software Schedule

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External Timescales

- ROD module: April 2000?
- ROD crate DAQ -1: August 2000?
- Prototype CPM: end 2000?
- Prototype of complete system: early/mid 2001

Software Jobs (1)

Current

Task	Who	Weeks
Implement high level TTCvi software with UK diagnostic classes	KJ	4
HDMC software running satisfactorily in the UK (LynxOS 2.5?)	TPS/NG	1?
UK diagnostics running satisfactorily over TCP/IP	BB	1

HDMC Development

Task	Who	Weeks
Add (basic) TTCvi	TPS?	1
Implement high level TTCvi software with HDMC classes	KJ?	1
Add (basic) DSS	TPS?	2
Bus error handling	VS/CS	2?
Module GUI or PartCollection	VS/CS	2?
Module GUIs for TTCvi and DSS		2?
Verify Registers, Memories etc	VS/CS	2?
Scripting	VS/CS	4?
Add (basic) prototype ROD		>2
PP system development...	VS/CS	??
Integrate HDMC configuration with DAQ -1 configuration database??		??

Software Jobs (2)

"Old" DAQ route

Task	Who	Weeks
Cut down DAQ on Linux with network VME access	NG	2?
Better network VME access!	NG	2?
Replace EMU with MRS	NG	2?
Further steps....?	NG+?	??

DAQ -1 route

Task	Who	Weeks
Create (very) basic dataflow framework	ML	2?
Look at DAQ -1 buffer manager design...		>2
If we cant use it now, implement "OO" buffer manager using PBM calls		>2
Design and implement (near final?) Event class(es)		>4?
Readout DSS using HDMC classes		4?
Incorporate TTCvi software		2?
Basic monitoring program producing histograms		2?
Distributed histogram display		>4
Readout of prototype ROD		>4
Readout from more than one crate		??
Develop calibration procedure (eg PPM-CPM timing setup or cabling check?)		??
Develop realistic monitoring program		??

Software Jobs (3)

Configuration

Task	Who	Weeks
Document detailed calo configuration parameters	EE	2?
Consult with other level 1 groups	EE+	4?
Design (prototype?) configuration database		>4
Extend DAQ -1 partition editor, write data access library?		>8

Design Work

Task	Who	Weeks
Use cases for final DAQ system $\rightarrow$ document!	NG+	$\gg 4$
Numeric precision for calibrations $\rightarrow$ document!		??
Architecture of the trigger control system and computing infrastructure		??
Etc		

Summary