

EUDET planning - DIF -

CALICE technical meeting on EVO
Tuesday, May 5
14:00 CEST

DIF

- Proto1
 - In use at cambridge
 - FW under dev. at LLR : try to sync. With Cambridge

- Eudet
 - Being tested at Cambridge

DIF

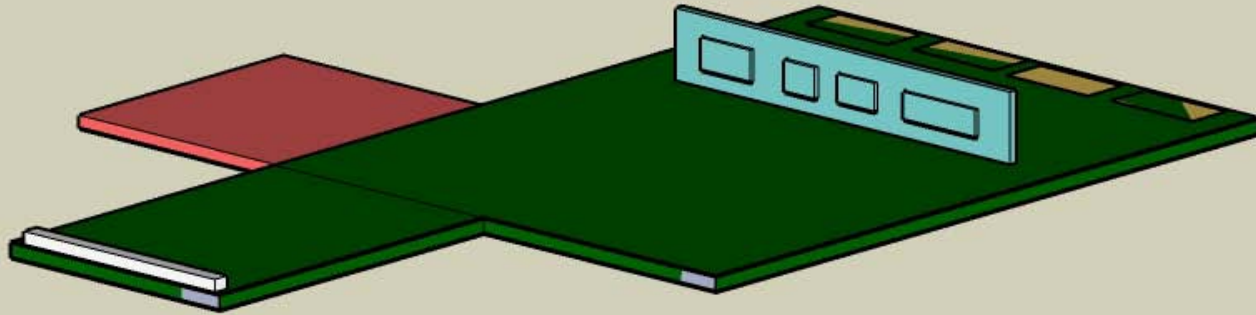
- DIFp for DCC tests
- DIFp DIFe

june	1	1
nov	3	5-6
-----2010		
feb	3	7
May	3	15
oct	3	30

adapter

- SWEAT-MB (Si-W Ecal AdapTer-MainBoard)
 - Main board
 - Mezzanine for Power, tx/rx buffers, connector development
 - Expected by July (no mezzanines)
- SWEAT-Eudet
 - Version for eudet
 - Extended size (perpendicular tower)

SWEAT-MB



Plans ?

- We expect the FEV7_CIP (Chip In Package) by mid june. We will enable a test bench for this board together with a prototype for the adapter board (doc sent to Bart&Maurice yesterday). It would be better if we could have a eudet DIF (DIFe).

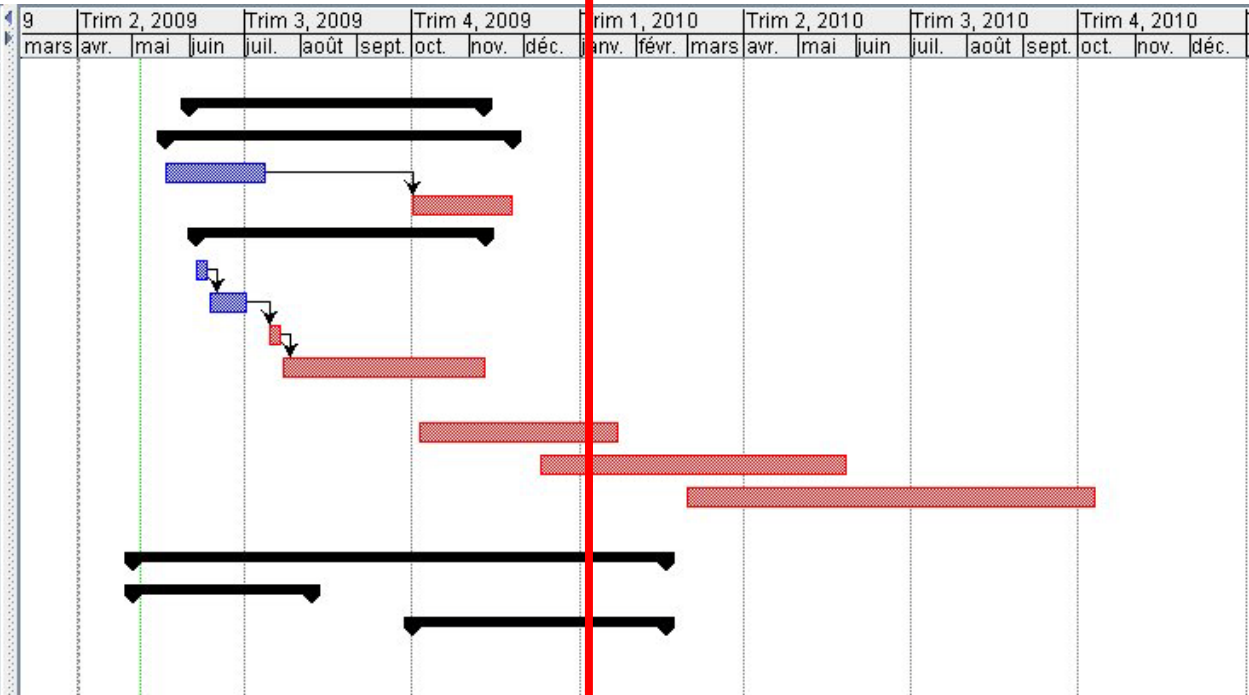
Then we expect the FEV7_COB (Chip On Board, bonded) by October. Most probably the test bench would be duplicated at LAL, so a 2nd DIFe could be useful.

Intermediate fake short slab based on FEV7 could be built with available thinks (no additional DIF required: same test bench).

The first FEV8 with 16 SKIROC2 could be available by the end of the year (time to test the chips, solve bonding issues, etc...).

It means that the first short slab is not expected by spring'10. From spring'10 to winter'10 our need of DIFe will increase ie 10 in may, 20 in July, 30 in october following the production of slabs).

Nom	Durée	Début
☑ DAQ&DCC tests	116 jours?	01/06/09 08:00
☐ Adapter board	137 jours?	19/05/09 08:00
SWEAT-MB	40 jours?	19/05/09 08:00
SWEAT-V1	40 jours?	01/10/09 08:00
☐ FEV7_COB_tests	113 jours?	05/06/09 08:00
Connectivity	5 jours?	05/06/09 08:00
Basic chip op (LAL)	15 jours?	12/06/09 08:00
Glued on adapter tests with DIF	80 jours?	22/07/09 08:00
FEV7_CIP_tests	80 jours	05/10/09 08:00
FEV8 + cosmics	120 jours	10/12/09 09:00
Short slab test	160 jours?	01/03/10 09:00
☐ DIF firmware	209 jours?	01/05/09 08:00
☑ Basic	71 jours?	01/05/09 08:00
☑ Core	100 jours?	01/10/09 08:00



2010