

PS/CO/MIN 86-086  
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Project: NAPS  
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**MEETING ON GENERAL MODULE TEST FACILITIES**

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Abstract

Minutes of a meeting on Oct 28th, 1986.

Present: L.Casalegno, A.Daneels, G.Daems, B.Kuiper, P.Heymans, C.H.Sicard

Purpose: Update our test facilities in the new context of GM,  
Dispatcher, SMACCs...

Geneva, Switzerland

## 1 Current state

- GM-C version is developed and tested on Priam VAX.
- Test computer basic software is not up-to-date, and needs different load files than the target FEC. Nobody is in charge of this.
- P+ Procos are not testable on Smacc before next spring, thus there is a need for a FEC to test them, via a Camac emulator or true Camac.
- Bench computer, supporting Smacc development, should be available until next spring. Currently, it provides no facility to test P+ Procos on a NORD segment.
- Should we keep Test Computer? It costs about 2000FS/month in maintenance.

## 2 What is needed?

### 2.1

L.Casalegno proposes to port the GM-C test environment on a MacIntosh, in order to be relieved from the Priam load which has strongly increased.

In addition, a full validation procedure should be installed (Files defining a certain number of tests and their expected results, which can be run in batch mode and produce a written summary), as this becomes a central piece of software distributed on many Smaccs.

### 2.2

Providing an up-to-date environment for P+ Procos tests, both in simulation (as done on Test computer) and with Camac. In order to be as close to the final FEC/SMACC environment as possible, this should be done via the GM-Dispatcher.

This implies:

- An updated Test guide.
- a person maintaining the test environment (on COMBAC?)-this probably implies a distribution program from PRDEV-, and providing support for newcomers (How to load a new Module should be reasonably simplified, but cannot be fully automatised).

It is estimated that one single test computer should be sufficient for the test load in the next 6 months; if not, a second computer such as Probac could be made available for some time. Parallel testing is possible as long as not more than one programmer uses the trace facility at the same time.

## 3 Conclusions

3.1

A detailed description of the test environment (including Test guide) will be provided by L.Casalegno and Cl.H.Sicard, with help of P.Skarek.

3.2

Someone should be designated to take up responsibility for the test facility. A.Daneels will find the appropriate person.

3.3

L.Casalegno will do the migration of the GM-C on the MacIntosh, one of which should be available on 1st floor (quiet room). The validation procedure could be given to a technical student, if no other choice. (Job description to be prepared by L.C.)

3.4

It seems that COMBAC and PROBAC computers are sufficient; The periods of their use as backup are usually short. Progressively, Camac tests will be done on the Smaccs themselves when P+ Vers.B will be fully released.

Distribution: List 2a

List 2a) **CCM DISTRIBUTION**

G. Baribaud, G.P. Benincasa, J. Boillot, P. Burla, R. Cailliau,  
L. Casalegno, G. Cuisinier, J. Cupérus, G. Daems, A. Daneels,  
R. Debordes, F. Di Maio, A. Gagnaire, F. Giudici, W. Heinze,  
P. Heymans, D. Kemp, B. Kuiper, J. Lewis, E. Malandain, P. Martucci,  
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W. Remmer, G. Shering, C.H. Sicard, P. Skarek, A. van der Schueren,  
G. Waters = 32