

MINUTES

of the joint BD/CO meeting held on November, the 1st 1993

**Presents: J. Belleman, G. Benincasa, V. Chohan, G. Daems, N. De Metz Noblat, F. Di Maio
E. Falk, A. gaignaire, G. Gelato, J. Gonzalez, W. Heinze, H. Koziol, S. Johnston
M. Le Gras, L. Merard, F. Perriollat, U. Raich, C. Serre, C. H. Sicard**

As it was announced in the invitation , the main goal of the meeting was to clarify the frontiers and better define the responsibilities between CO and BD Groups .

The program of the meeting contained four points:

- hardware configuration and hardware modules
- software configuration and software installation
- suggested topics for future control courses
- list of participants to the courses

A) Hardware (W. Heinze)

- List of standard hardware modules

W. Heinze has presented an up-dated list of the control modules presently supported by CO .

Most of these modules are in the CO stocks and can be obtained "off the shelf".

This list will be periodically up-dated (at least once at year) and will be sent to the interested persons.

The presents at this meeting have already subscribed to this distribution : the others can subscribe in the Wolfgang office.

- Other commercial modules

It is possible that a BD specialist finds on the market a hardware module better adapted to his needs.

In this case the procedure is to discuss first with W. Heinze and decide in consequence.

- Software drivers

All the standard CO control modules have an appropriate software driver.

In the case of other commercial modules, the first recommendation is of select modules already delivered with a driver : also if this driver is not under Lynx OS (e.g. Unix or OS9) the translation will not be too difficult.

As explained by N. De Metz Noblat, the need of writing a software driver instead of using simple access routines comes essentially from two requirements: an appropriate use of the interrupts eventually produced by the module and the access to the module by several users (conflicts).

In very special cases , where these constraints do not exist, one could imagine to write simple access routines.

In any case, a discussion with the CO specialists (W. Heinze) is required.

- Hardware jumpers

Several control modules (also among those in the CO stocks) have jumpers that must be appropriately set following the particular use of the module.

As usual, W. Heinze is the input person for this kind of problems.

B) Software (A. Gagnaire)

Alain has distributed to the BD specialists present at the meeting a folder containing a series of up-dated notes on how to use the DSC from the installation and software point of view.

These notes should permit to answer all questions on this subject.

It is recalled that for new installations the entry point persons are F. Giudici and A. Gagnaire.

For more details on the contents of the notes , please contact A. Gagnaire.

- system support

It has been decided that A. Gagnaire is the first contact person in case of system questions during implementations : Alain will eventually introduce other CO specialists (Nicolas and others...).

- rc.local

As explained by Alain and Nicolas, this very important file contains the names of all programs used in a given DSC: this includes both programs used by the CO software environment and the specific programs of the BD applications.

This raises the question of who is responsible of the writing and maintaining of the rc.local.

After a short discussion it has been agreed and decided that the responsibility for the stabilized version of the rc.local is within the CO Group (A. Gagnaire).

Stabilized version means after the test periods, where very few modification are necessary (we recall that a modification in the rc.local is necessary only when programs are added or erased or the names are changed, not when the contents of a program is modified).

However, it is admitted that the BD specialist can modify the rc.local during the test periods.

To do this the BD specialist should learn how to modify the rc.local through the use of the data base : A. Gagnaire will soon edit a note on this subject (before the issue of this note the BD specialists can contact A. Gagnaire to be instructed).

- uniformity of control system access

Some specialist (G. Gelato...) complains that the software environments and the names of the invoked services are different from one machine to another (workstations, PC....).

For what concerns the standard access to controls (workstations) the CO provides a unique software environment and names convention (if troubles, contact N. De Metz Noblat).

Most of the PC services are supported by the CN Division and by the user himself.

The things could go better if more workstations could be bought by the BD Group for their software development.

C) Proposed topics for control courses

The following topics have been agreed, but how to group them and when the courses will take place will be discussed and communicated later on.

- 1) Using a method in software development (A. gagnaire)
 - How to write a makefile(C. H. Sicard)
 - Coding style in "C" programs (C. H. Sicard)
- 2) Topology and software environment (N. De Metz Noblat)
- 3) How to debug when using threads (GDB..) (N. De Metz Noblat)
- 4) Use of the new consoles for operation and for specialists (F. Di Maio)
- 5) Use of the NODAL interpreter (F. Perriollat)
- 6) How to improve the maintenance ad diagnostics
 - the needs of the maintenance team (G. Daems)
 - what is offered by the control protocol (G. Benincasa)

D) list of the participants at the courses

The courses are mainly intended for the BD specialists.

However, a restricted number of other interested persons (operators ...) could be personally invited.

For reasons of efficiency the total number of participants should not exceed 15 persons.

FIRST COURSE

The date for the first course has been fixed at the afternoon (2 hours) of
THURSDAY, the 2nd of December

A detailed invitation will be sent

G. Benincasa and V. Chohan

Distribution (of this minutes)

-Presents

-BD Section leaders

-CO / SLM