VIRGO	DIR	0021 D	Date : October 9, 95

Object : Minutes of the Virgo Technical Management Team meeting held on September 18th 1995 in Orsay

From : B. Mours
To : VTMT and Group Leaders

Presents: Y. Acker, C. Bradaschia, A. Brillet, F. Fidecaro, A. Giazotto, M. Jacq
Mours

1. Minutes of last VTMT meeting:

The minutes are adopted without changes.

2. System review

Infrastructure:

Buildings: 140 Companies were selected. 83 came to Pisa and 47 purchas drawing. The offers will be open on November 6.

Site: The next step is the publication of the ordinance by the minister in ufficiale" Then the local administration should publish an other ordinance. Ther two months to react against formal point of the procedure and then the site principle). A.B. stresses that the site acquisition is an INFN responsibility and provide an official scenario. We should also clarify the time zero definition whic is the minister signature. This should allow us to order big objects like the tov end of this year. A.G. will write a letter to the president of the Virgo Council in t

Tunnel: C.B. presented a planning for the tunnel construction. To be on first 300m of tube we should start the tunnel construction by the end of 96. Th final engineering studies should start as soon as possible.

Clean Rooms: The Cascina clean room will have the same specification as clean room for the tower prototype.

Vacuum:

Tube: The tube parameters have been defined in a recent meeting as well work for preparation of specifications. Next meeting with a first draft of specific October 10. Test to bake-out the tube using it as an electrical resistance is in Calambrone.

Tower: All the modifications to the tower prototype have been collected a are in progress with the company (SDMS) to get the price for the final order. A b at the factory has been decided.

Pumping: The tower pumping is defined. The corresponding order sho early next year to have enough time to receive the pump.

Baffle: The first cylinder of glass has been assembled in Orsay. A first co received from the factory and has several defects. A new cone is expected soon. should be installed in September 97. The schedule for the baffles has to be chec that there is still some time to investigate a solution without glass or with only glass.

Large Valves: they are on the critical path of the planning and their construction time is too long. Their specifications have to be presented and disc meeting.

Interferometer:

Laser: The delivery scheduled for August has been delayed to October temperature stabilisation and fibber connections problems, but there is no worr

Input bench: a simplification is foreseen and will be presented durin meetings.

Mirrors: The purchase of the substrates is in preparation. A call for tender

Detection bench: The small mode cleaner is available for coating by Lyon.

Suspension:

The inner structure for the Pisa prototype has been delivered. The low expected for December. The goal is to be able to operate the prototype under va

Large length increase have been observed on the filter during summe observed values are 7μm/day at 26°, 36μm/day at 36° compared to about 1 Investigations are in progress to understand the problem. More generally, speci construction to select and qualify the various components of a filter (blades, wi

A call for tender is in progress for a 'filter-washer'. This washer has a 1.25m in order to accommodate various Virgo components and will be mov Cascina. A clean storage for the filter storage has to be prepared. A container that.

The vacuum test on one filter will not be possible before the end of this ye

Test for vacuum compatible motors are in progress in Pisa and the compar vaccum compatible wires has been found. A solution with Capton is under inves

Marionnetta: The raw material is available in Roma.

Thermal noise: The results will be presented during the meetings.

Electronic: The viscous damping with LVDT has been successfully tested solution with LVDT and accelerometer is under study.

Top tables: The prototype is under assembly. There are some probler spheres. The specifications for the overall suspension movement has to be check the real need for the alignment. This may simplify the design of the tables.

Electronic and Software:

The last version of Cm (V6r1) is now available on all machines. A first control language, to define pumping sequence for instance, has been prepar progress to rewrite the tower control software. Still few month are needed befor

DOL: The first two boards of the final batch have been received and are u The production is expected for November.

Work is going on for the imaging system (position measurement, non line control of the Orsay mode Cleaner, and Simulation (a graphical user interface is

3. FD:

M.J. has received the financial estimate for only 5 subsystems out of 24. A has to be reviewed during the week meetings.

The planning has also to be checked during this week. The Planning will b weeks before each Virgo Council (twice per year). The planning will be distr WWW.

4. Next VTMT meeting on November 7 at 10 am in Pisa.