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Attention of Prof. S.C.C. Ting

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Attention of. Mr. S. Porter

our ref. **50433**

Milano, 9th May 2005

Subject: **AMS-02 PDS status**

Dear prof. Ting, Dear Mr. Porter,

Following the concerns of Steve Porter about the Power Distribution System (PDS) schedule at TIM last month at CERN, I have to report you that, a month after that, the situation is even more worrisome.

For the time being we could not start yet procuring the components for the Flight Model of the PDS because we did not get the needed Authorization To Proceed (ATP) from the AMS collaboration (namely our customer ETH). This means that also Long Lead Item purchasing is on hold.

The reason for this delay is due to uncertainty about QM manufacturing: there are no resources allocated yet for the QM, and it is therefore undecided if a single set of components has to be purchased, or twice as much.

Right now we are still formally requested (and committed) to build a single unit, the FM.

A second problem is that CSIST (our potential partner for PDS manufacturing) expressed concerns during the recent PDS CDR held in Milano because the effort for PDS

manufacturing would cause delays (estimated in 6 months for each PDS unit) to the AMS subdetector electronics production, and moreover there is no dedicated test equipment available at CSIST to support PDS testing.

The PDS project needs to be steered as soon as possible answering these three questions:

- how many PDS unit are we requested to build?
- What will be the team that will build them (CGS with CSIST or CGS alone) ?
- When can we start?

Kind regards.

CARLO GAVAZZI SPACE S.p.A.



M. MOLINA