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Subject: Re: The Time distribution system

Posted by [Walter F.J. Müller](#) on Sun, 06 Mar 2005 14:31:58 GMT

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Igor Konorov wrote on Fri, 04 March 2005 19:07... The Alice DCS card includes the TTC receiver and I believe if the TTC provided bidirectional interface it would be used instead of Ethernet.

I doubt that, but the DCS designers better speculate on this.

The key point of the DSC approach in ALICE is to have a CPU with an OS on the board, providing connectivity through TCP/IP and an environment to use a wide variety of tools building on this API.

Even though conceivable, it will probably requires a substantial effort to emulate a normal TCP/IP connection behaviour between the PC's running the control tasks and each endnode through the time distribution network.

I think the ability to have a bi-direction data channel on the time distribution network is of limited value without local intelligence (that is CPU and OS) and a standard communication API (that is TCP/IP) at the endnode.

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