Streaming GPS Data using a DNC/CNC System (2008)

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Streaming GPS data using a DNC/CNC system (Configuration of Quatech's Serial Device Server Model DSE-100D to run rtnt and sharc)

1.0 Abstract

Several of NASA's Global GPS Network (GGN) sites use Ashtech MircoZ GPS receivers produced by Thales for GPS data collection. Thales has recently started to produce internet ready MicroZ's (iCGR's) but the only way to communicate with CGR's (non internet ready MicroZ's) is through their serial ports. GGN sites equipped with CGR's need to have a computer attached to the MicroZ in order to communicate with it remotely. Quatech.com offers Serial Device Servers which can expand the reach of any serial device by network-enabling them for remote data collection, access and control. In this report we present how Quatech's Serial Device Server Model number DSE-100D can be configured to run sharc and rtnt remotely on a linux based computer.

[See attached .pdf for more.]