

# Wide Area Networking Requirements and Challenges at CERN for the LHC Era

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## **Abstract**

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The speaker will first describe the status of the networking infrastructure at CERN. Next, near term as well as longer term plans in preparation for the LHC era will be presented with a particular focus on external networks and Internet technologies.

More specifically, the problems that the Internet is facing with respect to end to end transparency, security, Quality of Service (QoS) and very high speed (Giga-bit/second) file transfer on long delay paths will be dealt with in some depth.