How do I synchronise the Exaquantum Server and OPC Server when the Exaquantum Server is in a Domain?

In normal circumstances the OPC Server would be configured as the Time Master. The Exaquantum Server would then be configured as a Time Slave and synchronized to the OPC Server.

When the OPC Server is in a domain this is not possible as the Exaquantum Server must synchronize with the Domain Controller otherwise authentication may fail.

The only solution to this is to treat the Exaquantum Server time as the master time and configure the OPC Server time as the slave. However, in this circumstance the normal DCS time service (bksynctime) must not be running. This does have the draw back of a possible difference in time between the DCS and OPC Server.

It may be possible to make the OPC Server the time master for the whole of the DCS. In this case bksynctime must be running and will automatically synchronize the DCS with the domain time.

If a GPS or other reliable time source is available then both the DC and DCS time master could be synchronized to the same source and this would eliminate any need to make any changes to the time synchronization mechanism on either the OPC Server or the Exaquantum Server.