PRIVACY RECOMMENDATIONS FOR FUTURE DISTRIBUTED CONTROL SYSTEMS

by

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ABSTRACT

As the role of privacy becomes established in research, new questions and implementations focusing on privacy-preserving tools trickle into the Distributed Control Systems (DCS) space. In the near future, standards will have to include measures to protect the privacy of various objects, people, and systems in DCS plants. The primary concern now is to protect against intellectual theft and sabotage by building a privacy framework capable of meeting the needs of DCS applications and compatible with current standards. By identifying the lack of privacy protections in the current standards, acknowledging requirements for business needs, and proposing suitable technologies, we provide recommendations for the next set of standards protecting DCS.