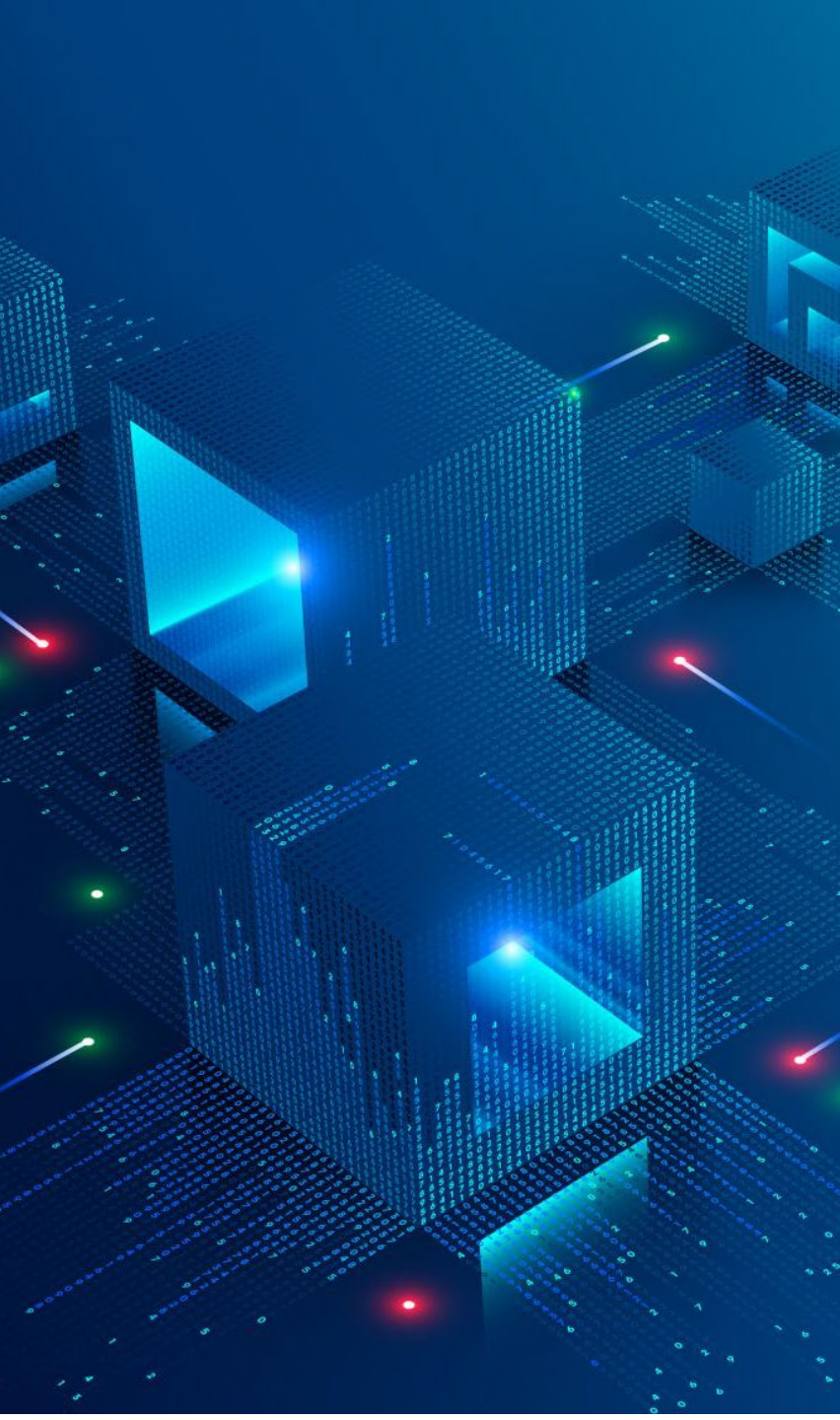# D&NMTT

Salt Lake City 2024-04-16

Dan Brancaccio

Executive Advisor Quanta Technology

dbrancaccio@quanta-technology.com

Work Plan

Communication Protocols

Archive Systems

Network Architecture

Redundant Systems

Cloud

Questionnaire

Communication Protocols

IEEE PC37.118.2/D3.28

    The ballot has closed, and there are no new comments next step is RevCom submission

IEC 61850

    Determine status of 90-5 is it a technical specification, incorporated, etc.?

STTP

    P10 P2664 Streaming Telemetry Transport Protocol (STTP) status updates

Archive Systems

What's new

Time series

Relational

Object Oriented

NoSQL

Hierarchical

Network Architecture

Wide Area

Field Networks

Control Center

Corporate

Redundant Systems

Field Devices

Network

Archive

Active-Active

Fail over

Best Practices

Cloud

Lessons learned

Security concerns

Costs

Use cases

Questionnaire

Archive Strategies

NERC CIP 15-minute decisions

Redundancy

Cloud

Data Sharing

Discussion Topics / Work topics

Sample rate vs Report Rate

Frequency measurements

Definition of terms

Database performance

Network recommendations

PTP at data and control centers