UNITED STATES DEPARTMENT OF COMMERCE
National Institute of Standards and Technology
Acquisition Management Division
325 Broadway, MS 164
Boulder, CO 80305-3328

BRAND NAME JUSTIFICATION

Requirement. NB676020-26-01839 - Distribution Switches

This is a brand name justification for Safran White Rabbit brand switches and supporting instruments and licenses. NIST is part of the Washington DC-Quantum Network Research Consortium (DC-QNet). The required switches will be utilized to enable absolute time synchronization to sub-nanosecond precision between sites at NIST Gaithersburg laboratories, the University of Maryland Joint Quantum Institute (JQI), and other DC-QNet partners. To ensure interoperability with the existing WR-PTP time distribution infrastructure, Safran compatible systems and components must be utilized. Additionally, the system must be compatible with the Quantum Instrumentation Control Kit (QICK) open-source platform created by Fermilab.

These new systems are required for critical research and measurement services. Utilizing different or non-compatible components would represent a significant time and monetary cost to NIST to replace existing systems currently in use.

DANIEL KENT

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Daniel Kent,
Contracting Officer