

# EPICS Diode –One-Way Data for Secure Remote Participation

*Monday, 7 April 2025 11:20 (20 minutes)*

To support ITER's remote participation plans while honoring cybersecurity requirements, we are developing the "EPICS Diode", mirroring EPICS PVs through hardware devices allowing strictly one-directional network traffic.

We present the concept, implementation and status, showing the first results of scalability and performance measurements, possible enhancements and the next planned steps.

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**Session Classification:** EPICS Plenary Session

**Track Classification:** Frontend