

विद्युत क्षेत्र में उभरती साइबर सुरक्षा आवश्यकताओं  
पर राष्ट्रीय वेबिनार  
National webinar on  
**Emerging Cybersecurity requirements in  
the Power Sector**

06 August 2025



स्मार्ट ग्रिड अनुसंधान प्रयोगशाला  
Smart Grid Research Laboratory

केंद्रीय विद्युत अनुसंधान संस्थान

CENTRAL POWER RESEARCH INSTITUTE

(विद्युत मंत्रालय, भारत सरकार / Ministry of Power, Govt. of India)

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## **CPRI Profile**

Central Power Research Institute (CPRI), set up in 1960 by the Government of India, functions as a National organization for applied research in power sector and also serves as an Independent Laboratory for testing and certification of electrical equipment. CPRI also provides consultancy services on various facets of power sector. CPRI has experienced faculty in different subjects of power sector with practical experience in their areas of interest as well as extensive experience in presenting courses/seminars.

## **Smart Grid and Research Laboratory**

The laboratory houses advanced facilities for carrying out testing and research in the area of smart Grid which includes Advanced Distribution Automation, Advanced Metering Infrastructure, Interoperability, Communication and Cyber security systems. It includes Smart Grid Test Bed and Technology Demonstration Test Bed for AMI system. These test beds are also useful in performance evaluation of various smart grid components.

The division is providing testing services of Communication Protocol Conformance for Intelligent Electronic Devices (IEDs) / Gateways/ RTUs as per IEC 61850. The IEC test facility is accredited by UCA IUG as Level 'A' (Independent Test Lab with certified ISO / IEC 17025: 2017 Quality Systems) and test reports / certificates issued by CPRI are accepted worldwide. The division has also commenced testing of RTUs / FRTUs for communication protocol and security conformance as per IEC 60870-5-101 / 104 and IEC 608070 -5-7 including IEC 62351. This laboratory is also accredited as per ISO / IEC 17025: 2017 by NABL.

The division also provides consultancy services for implementation of Smart Grid and AMI / smart meter implementation, Distribution Automation, SCADA System, Substation automation systems, Cyber security and Communication Systems for various utilities, industries and other organizations.

## **About the Webinar**

The modern electric infrastructure is rapidly evolving with increasing dependency on automation, information technology, and communication systems. The communication systems are also transitioning from traditional closed system with legacy protocols to open protocols based system with third party communication networks and interfaces to the global IP networks. All these advancements offers numerous benefits for the efficient and reliable electricity generation, transmission, distribution and utilization. However, these benefits come with risk of cyber security threats. The recent Covid-19 pandemic has impacted the methodology of managing load dispatch operation which is predominately handled from utility physical control center to limited functionalities in remote operation thus necessitating large scale automation. The impact of cyber security threats would be severe in the power sector if there is an event of cyber-attack on the power systems and there would be cascaded effect on other sectors like health care, transport, banking and finance, etc. To address these challenges, this National webinar will focus on cyber security threats, mitigation measures, resiliency of power systems, National and International standards / guidelines and regulations.

## Topics Covered

The following topics will be discussed during the Webinar:

- Importance of Cyber security in Power Sector and Operational Technology (OT)
- National and International Cyber Security Standards and Guidelines
- Cyber Security Conformance Testing of OT Devices
- The way forward of Cyber Security in the Power Sector

## Who should attend?

This webinar is designed for utility engineers, regulators, manufactures, researchers, consultants, system integrators and academia and those who are interested in the topics mentioned above. As the seats are limited, registration will be on first cum first serve basis.

## Programme Schedule

The National webinar will be held on **06<sup>th</sup> August 2025 from 02:00 PM onwards**, through online mode. Details of the registration link and the schedule will be shared to all registered participants.

Please visit <https://cpri.res.in/upcoming-events> for brochure, registration form and updates.

## Registration

Participation in this webinar is free. However, prior registration is mandatory for participating in this programme. Interested participants are requested to send their individual registrations in advance in the format provided to the programme coordinators. Alternatively, participants can also register through online registration link “<https://forms.gle/degYyFd3tNaMeMPy5>”. The programme schedule and the participation link will be shared to registered participants. CPRI reserves the rights of acceptance of the participation request.

## Programme Coordinators:

- Shri Shivakumar V, Joint Director & HoD
- Shri Pradish M, Joint Director & Officer-in-charge, International Customers Wing
- Shri Shailesh Kapoor, Engineering Officer
- Shri Shivendra Kumar Sinha, Engineering Officer
- Shri Dinesh J, Engineering Officer

## Contacts:

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## REGISTRATION FORM

### NATIONAL WEBINAR ON

## EMERGING CYBERSECURITY REQUIREMENTS IN THE POWER SECTOR

06 August, 2025

[www.cpri.res.in](http://www.cpri.res.in)

Full Name of the Participant: \_\_\_\_\_

Designation: \_\_\_\_\_ Nationality \_\_\_\_\_

Organization: \_\_\_\_\_

Full address of Organization: \_\_\_\_\_  
(For Correspondence)

PIN Code: \_\_\_\_\_

Phone (Off.) : \_\_\_\_\_ Fax: \_\_\_\_\_

Mobile/Cell: \_\_\_\_\_ E-mail: \_\_\_\_\_

Area of work : \_\_\_\_\_

Date: \_\_\_\_\_

Signature: \_\_\_\_\_

**Please Note:** This is a free webinar and there is no registration fee for participating in the webinar. However, prior registration is mandatory. Registration could be made by filling in this registration form and mailing to below mentioned coordinators or alternatively, by filling in an online registration form in the link: <https://forms.gle/degYyFd3tNaMeMPy5>

The programme schedule and participation link will be shared to all registered participants. Hence, the participants are requested to individually send their registrations in advance in the format provided to the programme coordinators. CPRI reserves the rights of acceptance of the participation request.

**Softcopy of completely filled registration forms shall be sent to any of the following programme contacts:**

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Engineering Officer  
Mob. 9252894700  
[skapoor@cpri.in](mailto:skapoor@cpri.in)

**Shri Dinesh J**  
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Kindly use separate form for each participant, downloaded / photocopies of this registration form is acceptable. Alternatively, registration can be made on line also

KINDLY VISIT CPRI WEBSITE FOR UPDATES

[www.cpri.res.in](http://www.cpri.res.in)