

TA-10479 REG: Accelerating Battery Energy Storage System Development in the Asia and Pacific Region

Webinar No. 2: Battery Energy Storage Systems: Safety, Technical Standards, and System Integration



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Accelerating Battery Energy Storage System Development in the Asia and Pacific Region

The webinar will examine key technical requirements for the safe and effective integration of BESS into modern power grids. The session will cover BESS safety standards, EMS/SCADA integration, grid-forming BESS applications, and technical standards and grid code enhancements, with practical insights. This webinar is part of ENABLE platform activities under the ADB's technical assistance TA-10479: Accelerating Battery Energy Storage System Development in the Asia and Pacific Region. The TA is funded by the Smart Energy Innovation Fund and the Global Energy Alliance for People and Planet.



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OPENING REMARKS BY
Cindy C. Tiangco
Director, Emerging Areas Team, SD1-ENE ADB





SPEAKER 1
Modini Yantrapati
BESS Specialist AFRY





SPEAKER 2
Michael Emmerton
BESS Specialist





MODERATOR
Nurshod Saidov
Principal Consultant INTEGRATION



DATE
19 August 2026
(Wednesday)



TIME
03:00 PM - 04:30 PM
(Manila Time, GMT+8)

#AcceleratingBESS

#GridModernization

#EMS/SCADA

#SafetyBESS

This webinar will examine the practical requirements for the safe and effective integration of BESS into modern power systems. The session will cover BESS safety standards, integration with energy management and supervisory control and data acquisition (EMS/SCADA) systems, a practical grid-forming BESS case study, and technical standards and grid-code enhancement. The webinar will bring together regional stakeholders and international experts to share lessons relevant to Cambodia, Mongolia, Viet Nam, Indonesia, and other countries advancing BESS deployment.

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Registration Link: https://zoom.us/webinar/register/WN_Z6eL-7foQgeNodZ67oVynq

Time / Date: 03:00 PM, Manila time / 19 August 2026

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Webinar No. 2 19 August 2026

03:00 – 03:05	Opening Remarks by ADB Ms. Cindy C. Tiangco, Director, Emerging Areas Team, SD1-ENE <i>Welcome, introduction to the webinar, and relevance of safety, standards, and system integration under the TA knowledge-sharing program.</i>
03:05 – 03:10	Webinar Introduction Moderator: Nurshod Saidov, Project Director <i>Overview of the webinar objectives, agenda, speakers, and relevance to Cambodia, Mongolia, Viet Nam, and Indonesia.</i>
03:10 – 03:25	1. BESS Safety Standards Speaker 1: Modini Yantrapati (AFRY Singapore Ltd.) <i>Safety-by-design principles, fire protection, thermal runaway prevention, siting, testing and certification, emergency response, and operational safety requirements.</i>
03:25 – 03:40	2. Integration of BESS into EMS/SCADA Systems Speaker 1: Modini Yantrapati (AFRY Singapore Ltd.) <i>Integration of BMS, PCS, EMS, and SCADA; monitoring and control architecture; dispatch interfaces; alarm management; data exchange; and cyber-physical security considerations.</i>
03:40 – 03:55	3. Grid-Forming BESS Case Study Speaker 1: Modini Yantrapati (AFRY Singapore Ltd.) <i>Practical application of grid-forming BESS; frequency and voltage support; inertia-like response; system strength; weak-grid operation; restoration capability; and implementation lessons.</i>
03:55 – 04:10	4. BESS Technical Standards and Grid-Code Enhancement Speaker 2: Micheal Emmerton (Associated Expert of INTEGRATION) <i>Grid-connection requirements; control and protection; performance specifications; compliance testing; metering and dispatch requirements; and incorporation of BESS and grid-forming provisions into grid codes.</i>
04:10 – 04:25	5. Q&A and Regional Discussion Moderator: Nurshod Saidov and all speakers <i>Cambodia, Mongolia, Viet Nam, and Indonesia: practical implications for safety, technical standards, EMS/SCADA integration, grid-forming requirements, and institutional readiness.</i>
04:25 – 04:30	Closing Remarks Dr. Stuart Thorncraft, Team Leader of the Consultant <i>Summary of key conclusions and next steps under the TA webinar series.</i>