



Australian
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Battery Storage and
Grid Integration
Program

An initiative of The Australian National University

Interoperability Considerations

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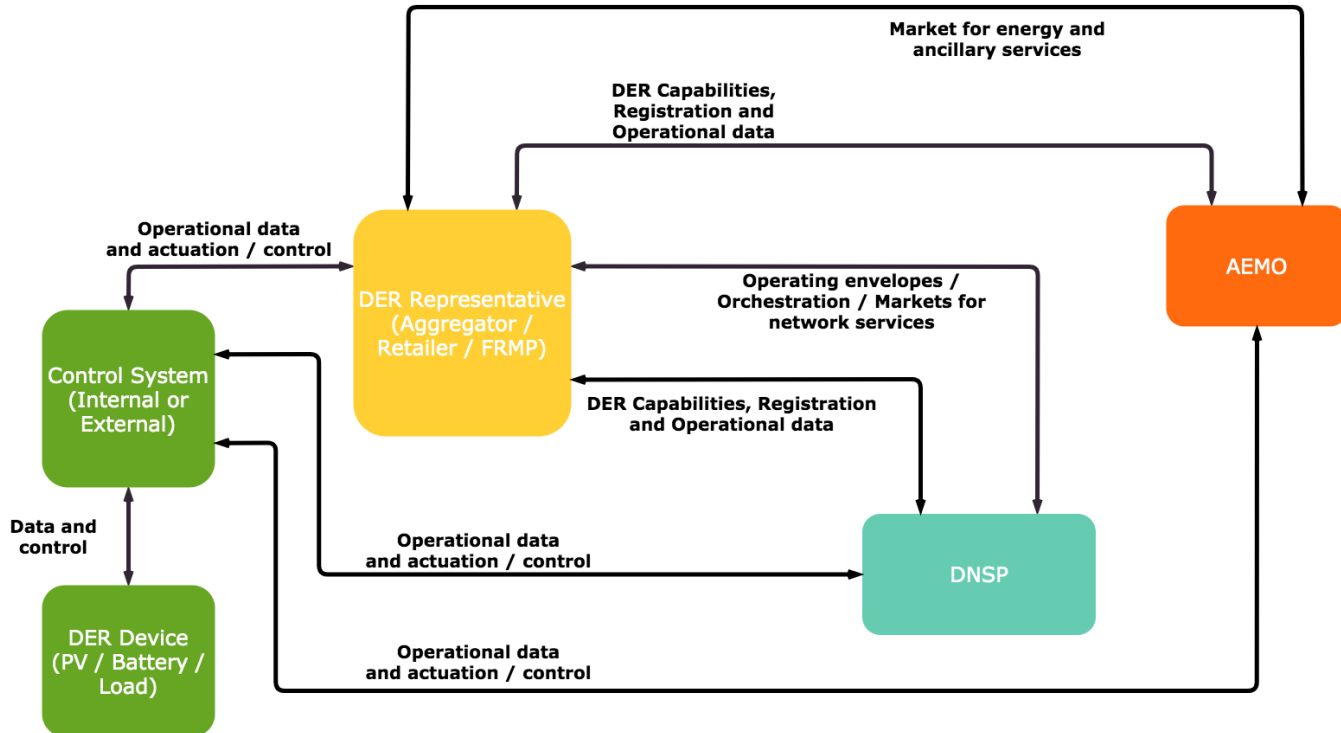
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Enabling Interoperability

- Interoperability is typically defined as the the ability for different information technology systems, devices and software applications to communicate and exchange data accurately, effectively, and consistently **HOWEVER:**
 - Interoperability supports DER integration and participation so it is crucial to take a socio-techno-economic approach to understanding and enabling interoperability.
 - If DER can be successfully integrated into our electricity networks and markets, there is the potential to benefit all electricity system users.
 - Done poorly, interoperability has significant negative implications for customers.

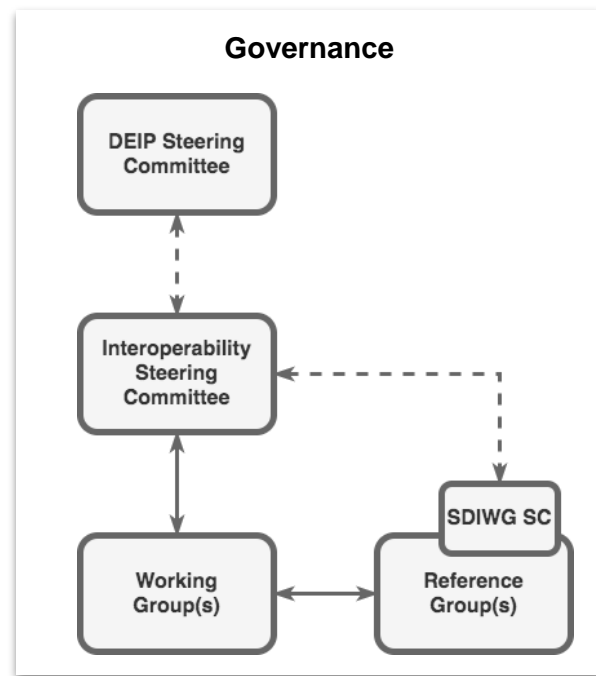


Enabling Interoperability



Interoperability Steering Committee (ISC)

- Builds on and replaces the SDIWG.
- Mandate is to co-ordinate interoperability activities among DEIP taskforces and working groups.
- Complementary to the activities being undertaken by the ESB.
- Membership includes: Independent Chair, AER, AEMC, AEMO, ESB, ECA, ENA, CEC, AEC, ARENA, working group chairs.



Key Outputs in 2021

- An Australian Implementation Guide for IEEE2030.5.
 - A testing guide, use cases and testing data to allow stakeholders and vendors to validate conformance to the Australian Implementation Guide.
 - Engagement with Standards Australia to facilitate the implementation guide being formally documented and endorsed by Standards Australia.
 - Formal engagement with the IEEE standards committee providing a pathway for updating the underlying IEEE2030.5 standard to accommodate Australian extensions.
- Progress standards for Cyber Security.
 - A no-regrets technical work plan to accelerate cyber security approaches.
- Support the creation of a DEIP social social and consumer working group.

Today

- An opportunity to discuss:
 - The ISC structure and activities.
 - Interoperability opportunities and use cases.
 - Barriers to progress and how to overcome them.
 - Engaging with customers on interoperability.
 - How can you help?

Thankyou

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