

Perspectives for 1823/UPAMD Conformance Testing

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Conformance and Certification

- UPAMD/1823 Working Group may wish to consider development of one or more Conformance Test Plans as new UPAMD/1823 specifications evolve
- Structure for conformance certification process may be provided by IEEE ICAP
- Certification program can provide:
 - Assurance that vendor implementations conform to standardized and recognized specifications
 - A single industry-approved test process that significantly reduces testing time and resources of equipment vendors and service providers
 - Necessary foundation for multi-vendor interoperability
 - Expedites product approval process and frees resources for integration testing

Conformance Test Plan Development

- Conformance Test Plans should be based on one or more core source technical specifications developed by 1823/UPAMD Working Group
 - Core technical specifications should be stable when Test Plan developments begins
 - Test Plan development should first identify mandatory and optional requirements
 - Test Case template should be agreed upon at an early stage
 - Test Cases should be applicable to both lab and field testing environments whenever possible

IEEE Conformity Assessment Program (ICAP)

- ICAP launched in 2009, providing industry support with the following goals:
 - Identify, develop and support conformity and interoperability programs aligned with specific IEEE Standards
 - Establish IEEE as a leading organization supporting the conformity community
- Programs developed in collaboration with interested industry entities and leading independent laboratories
- Strong industry interest in bridging standards development with related conformity and other post-standard activities
- ICAP workshops and website will focus on providing resources to accelerate IEEE standards implementation