SNIA Emerald™ Testing Resources for V2.1

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SNIA Emerald Power Efficiency Measurement Specification,

Version 2.1

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Objective

- Overview of **resources** for use in Emerald testing based on the *SNIA Emerald™ Power Efficiency Measurement Specification* V2.1.0
- Available at www.sniaemerald.com/download/Spec_v2.1
- Status: Many resources are available now, more will be made available soon

Documents

- **SNIA Emerald™ Power Efficiency Measurement Specification (V2.1.0)**
  - New version of specification, adopted by SNIA May 29, 2015

- **What has Changed? SNIA Emerald™ Power Efficiency Measurement Specification V2.0.2 to V2.1 (*under development*)**
  - New - Help testers transition from spec V2.0.2 to V2.1.0

- **Quick Reference Guide For Online (Active) Storage Systems Testing (*under development*)**
  - New - More abbreviated treatment of material covered in User Guide

- **User Guide for the SNIA Emerald Power Efficiency Measurement Specification V2.1.0 (Version 2.0 Revision 5)**
  - Advice for testers

Software & Tools

- ◆ **Vdbench – links to owner website. Version TBD.**
  - ◆ Required load generation program for Emerald testing
- ◆ **Vdbench Script (*under development*)**
  - ◆ Required script for controlling the load generator during Emerald testing
- ◆ **COM Test Data Set Generator (*under development*)**
  - ◆ Program to generate test data for COM testing
- ◆ **Test Data Report Template (emerald_test_data_report_template_2_1_0-01.xlsx)**
  - ◆ Spreadsheet form for recording and reporting test results
- ◆ **Emerald Tester's Kit (EmeraldTesterKit_v2.1.0-{date}.zip)**
  - ◆ New – single download containing most materials needed for Emerald testing
  - ◆ Vdbench program and training materials are not included
  - ◆ Will be updated whenever contents change

Training

- Materials from this (July 2015) session (www.sniaemerald.com/Training/July2015)
- Slides and video recordings from comprehensive 4-day July 2014 class (www.sniaemerald.com/Training/July2014)
- Slides and video recordings from comprehensive 4-day June 2013 class (www.sniaemerald.com/Training/June2013) (dated)
- Slides and video recordings from 2-hour January 2012 class (www.sniaemerald.com/Training/Jan2012) (dated)

Test Data Submission to Emerald Test Data Publication Program

◆ **Test Data Report Template (emerald_test_data_report_template_2_1_0-01.xlsx)**
  - Spreadsheet form for recording and reporting test results

◆ **SNIA Emerald™ Program Test Submission Order Form (sof.pdf)**
  - Order form for right to submit

◆ **Terms of Submittal**
  - Legal terms to which Test Data submitters agree

◆ **Terms of Use**
  - Legal terms to which those downloading Test Data agree

Emerald Newsletter & Emerald Update

- Emerald Newsletter – occasional newsletter on all aspects of Emerald Program

- Emerald Update – single topic updates

- We endeavor to keep the Emerald testing community informed of any changes via Emerald Update/Newsletter

- Join the mailing list www.sniaemerald.com/sign-up-for-our-newsletter

Summary

- ◆ We've reviewed the array of materials that are or will soon be available to Emerald testers
- ◆ View
    - ◆ www.sniaemerald.com/download/Spec_v2.1
    - ◆ www.sniaemerald.com

Questions?