

Green Storage TWG ROADMAP			CY 2021				CY2022		
Approximate and subject to change			Oct	Nov	Dec	Q1	Q2	Q3	Q4
#	Events	Owner							
1	SNIA-GTWG F2F Invite EPA to concall					▽	Santa Clara Jan '21 virtual		
2	EPA-SNIA Industry Meetings					▽	EPA-SNIA update		
3	EPA DCStorage ENERGY STAR					▽	Becomes effective, replacing 1.1		
4	ENERGY STAR Data Analysis				New/update white paper w/ TGG	▽		▽	V2.0 data analysis
5	ISO version of Emerald	▽							Publish ISO standard based on Emerald 4.0 (updated vs. new, tbd) ▽
6	Emerald Measurement Spec v4.0+								Spec V4.0+ (?-tbd)
7	Validate existing SW tools (VdBench, COMGEN)				▽				
8	Futures Power / temp reporting Memory attached persistent storage New workloads Validate new tool/versions Investigate SPEC Storage Sol'n 2020 Test methodologies for capacity optimization, data protection, etc. (impact on performance, energy consumption) Energy measurement for large / new distributed systems; consider component level measurement, consider small scale measurement as system indicator Collaborate w/ other Servers, Switch Cloud data centers Object storage	▽			SPEC Storage Solution 2020				Incl. in Swordfish 1.0 Consider for V4.0+
9	Partner Collaboration/Tracking								

E*, TGG (incl 80PLUS, ECOS, Digital EU), Cleareresults (labels 80PLUS),

- SNIA/EPA update, 27-Jan
- ENERGY STAR V2.0 effective, 15-Mar
- Update Data Center Storage Energy Efficiency White Paper, Q2
- V2.0 Data analysis, Q4
- Collaborate with TGG on EU Lot9 standards & regulation update, starts Q2