NVDIMM Integration and Backup Power Scaling

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Backup Power
Form Factor Options

• One size does not fit all
• Affected by chassis type, available PCIe/DIMM slots, cabling, x,y,z, constraints
NVDIMM-N DDR4 Platform Energy Source Options

- It allows for the option of a tethered power source to the NVDIMM or a power source on the motherboard.
- When the power is on the motherboard it is routed directly to the NVDIMM socket during an unplanned shut down.
- This is a possible trend for future systems to eliminate tethering/cabling.
JEDEC Specification - Byte Addressable Energy Backed Interface

• Defines that a NVDIMM module shall support a paging mechanism to access registers beyond 256 offsets

But, no mechanical standardization for the host-managed energy source

Are mechanical standards for the energy source needed?