IETF 81 STORM WG iSER Update

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Summary of Changes

- Removed the requirement that a connection be opened in "normal" TCP mode and transitioned to zero-copy mode

- Clarified that MaxRecvDataSegmentLength must be ignored if it is declared in the Login Phase

- Clarified that the initiator must not send more than InitiatorMaxRecvDataSegmentLength worth of data in a NOP-Out request with a valid Initiator Task Tag

- Changed default of MaxOutstandingUnexpectedPDUs from 0 (unlimited) to 4

Summary of Changes (cont.)

- Added MaxAHSLength key to set a limit on the AHS Length

- Added WriteAddressForSolicitedDataOnly key to indicate how the memory region will be used

- Added iSERHelloRequired key to make it optional to use iSER Hello messages

- Added two 64-bit fields in iSER header for the Read Virtual Address and the Write Virtual Address to allow one common implementation for different RCaP

To Do - Base Offset

- Add "Base Offset" to the tagged buffer identifiers (STag, TO, length)
  - A value when added to the Buffer Offset forms the Tagged Offset
- Update Tagged Offset handling
- Change "Virtual Address" to "Base Offset"
- Change new WriteAddressForSolicitedDataOnly key to TaggedBufferForSolicitedDataOnly

To Do - Message Format Example

- There is only one set of comprehensive examples on message format figures
  - Appeared in Appendix
  - All prefixed by iWARP headers
- Update figures to include "Base Offset"
- Update figures to remove iWARP headers to make the figures generic for RCaP