

Template for suggesting changes to miniseed specification

Commenting on document version #	M=modification, N= add new section, D=Delete existing section	Modification
Topic	Topic	Add CRC for data integrity
Type of Action (M=modification, N= add	Type of Action (M=modification, N= add	Modification
Current Wording from document	Applies to M or D	<p>Change: Add field for CRC or other checksum to be used for validating data integrity.</p> <p>Suggestion: Add 32-bit field for a CRC-32 value. For non-opaque data this is the CRC of the decoded data, for opaque data this is the CRC of the opaque payload.</p>
New wording	Applies to M or N	<p>Suggestion:</p> <p>This is a good idea. We offer the definition of the 32-bit CRC already used in Quanterra products. Many software systems already have code for generating and verifying this CRC, and software implementations are already in the public domain.</p>
Rationale		Use of a single algorithm for 32-bit CRC management leverages present infrastructure.
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Date of Comment		5/18/16