This contribution provides Sandia's straw ballot comments for the Security Version 1.0 specification, STR-SECURITY-01. These comments are organized as follows – major comments indicate technical defects in the specification which, if not resolved, may preclude Sandia's vote in favor of the specification. Minor comments are technical comments which, if left unresolved, will not preclude Sandia's favorable vote. Finally, editorial comments are also provided.
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3. Minor Comments

Section 1 – Introduction
A statement that management plane security is not in this specification’s scope is needed.
**Suggested resolution:** Add a sentence between paragraphs one and two stating that management plane security is outside the scope of this specification.

Section 1.5 – Specification Scope
In paragraph 3, more explanation is required distinguishing per-connection security from link security.
**Suggested resolution:** state that security services apply on individual virtual connections rather than physical links (which may carry many virtual connections).

Section 3.4.3 – Error Processing
The first sentence states that error processing is site specific. This requirement came from the observation that the desire to provide diagnostic information competes with the desire to withhold information which may be helpful to an attacker.
**Suggested resolution:** point to the error processing procedures in sections 5.1.4 and 5.1.5, and state that the use of error diagnostic information is site specific.

Section 5.0 – Support Services
In the fourth paragraph, there is no mention that the two-way exchange protocol can also be used to establish security services for the first leaf in a multipoint call.
**Suggested resolution:** append the following text to the first sentence of the fourth paragraph – “or point-to-multipoint connection.”

Section 5.1.1.1 – Three-Way Security Message Exchange Protocol
Error processing is conspicuously absent in this section. Although error processing is described in more detail later in Section 5, it should be addressed here as well.
**Suggested resolution:** append a paragraph at the end of this section stating that if an error is encountered, the protocol shall cease, the connection shall be released, and an error code shall be returned. Also state that this protocol is described in detail in Section 5.1.5.3.

Section 5.1.1.2 – Two-Way Security Message Exchange Protocol
Again, error processing is conspicuously absent in this section. Although error processing is described in more detail later in Section 5, it should be addressed here as well.
**Suggested resolution:** append a paragraph at the end of this section stating that if an error is encountered, the protocol shall cease, the connection shall be released, and an error code shall be returned. Also state that this protocol is described in detail in Section 5.1.4.

Section 5.1.2 – Two-Way Security Message Exchange Protocol
Unlike the three-way security message exchange protocol, the two-way protocol does not provide for certificate exchange. We do not see a reason for this discrepancy.
**Suggested resolution:** modify the diagrams and text so that certificates are included in each of the flows in the two-way protocol.
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