
Link Security Objectives

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Objectives

Select and/or specify:

- **A unified security architecture (high priority)**
- **A bridge-transparent secure data exchange mechanism (high priority)**
- **An authentication protocol (high priority)**
- **A key management protocol (high priority)**
- **A link security mechanism for 802.3 (including ptp, sharedmedia, and PON) networks if additional MAC-specific functionality is needed (high priority)**
- **A discovery protocol (low priority)**

Business Level Requirements

- 1. Prevent theft of service**
- 2. Separate customers from each other**
- 3. Keep billing records**
- 4. Maintain consistency between media (unified security across media, ability to securely bridge across media, ability to handoff security associations)**
- 5. Specify a complete solution (by either selecting existing standards or defining new specifications)**