IEEE P802.11
Wireless LANs

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| Security Requirements for Specification Framework |
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Abstract

This submission specifies security requirements for the Specification Framework.

## 3. Security Framework

R.3.A The draft specification shall define a protocol for mutual authentication that is key generating and provides explicit key confirmation. The credential used for authentication shall be pre-existing.

R.3.B The mutual authentication protocol in the draft shall be resistant to active and passive attack. If the pre-existing credential is a shared secret, then either: 1) the protocol shall be defined to require that the probability of guessing the secret shall be no more than 2-80 ; or, 2) the protocol shall be resistant to dictionary attack.

R.3.C The mutual authentication protocol in the draft shall optionally support the feature that compromise of the pre-existing credential does not reveal data from past sessions.

**References:**