802.1af

**Functional Architecture**

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Enable Session

Authorization [Cache: AAA Key-AAAK]

Authentication [Cache: Master Key-MK]

Authentication

[Connection Cache: Connection id, connection attributes (credentials, eap method), MSK, PMK, authorization]

Success/Fail, (eap method, credentials)

Success/Fail, Pairwise Master Key (PMK), authorization

Authorize (MSK Key)

Authenticate (eap method, credentials)

Success/Fail, Master Session Key (MSK), authorization

Invalidate Secure Connection (connection id)

Reserve Secure (connection id, connection attributes)

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[Connection Cache: Connection id, connection attributes (credentials, eap method), MSK, PMK, authorization]

Cipher suite, Session Info: TSK

Available cipher suites (and info), impending exhaustion of session info

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[Session Cache: Information: TSK]

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802.1af approved key exchange (uncontrolled port)

AAA with 1af define list of authorization attributes/levels (uncontrolled port)

EAP with 1af defined List of EAP Methods (uncontrolled port)

.1af Management Protocol - start, stop, restart (uncontrolled port)

MAC specific Discovery Protocol (uncontrolled port)

All other frames (controlled port)