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| IEEE 802.1 REVISION REQUEST 0165 |
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DATE: 16 June 2015  
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REQUESTED REVISION:

STANDARD: 802.1X-2010  
CLAUSE NUMBER: 8.9  
CLAUSE TITLE: Authenticator PACP state machine, variables, and procedures

RATIONALE FOR REVISION:

The subject of revision is the Authenticator PACP state machine, shown at Figure 8-7. If authenticator state machine is currently in AUTHENTICATING state. Authenticator is sending EAPoL message to Supplicant, but Supplicant doesn't respond. In this case after eapTimeout the state machine will increment auth.retryCount and will return again to AUTHENTICATING. When retryMax will be reached - the state machine will go to UNAUTHENTICATED state, will clear auth.retryCount and will forever circulate like this as long as Supplicant doesn't respond.

PROPOSED REVISION TEXT:

When retryMax will be reached - the state machine will go to HELD state.

IMPACT ON EXISTING NETWORKS:

In case Supplicant is temporarily unreachable - offload the link and offload the System where the Authenticoicator is running.

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| Please attach supporting material, if any |
| Submit to:- Glenn Parsons, Chair IEEE 802.1 |
| and copy:- John Messenger, Vice-Chair IEEE 802.1 |
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