



[ChangeCipherSpec]  
Finished ----->  
Application Data <-----> Application Data

Fig. 2. Message flow for an abbreviated handshake " [2].

Thus we are asking if the flow described in Figure 2 of 4346, which 5077 indicates is a valid flow for session ticket renegotiation, is to be considered valid for the testing of FCS\_TLSS\_EXT.1.4 Test 3 or if the NIT is specifying their own obedience requirements that must be followed in order to be considered in compliance?

References:

[1] RFC 5077: Transport Layer Security (TLS) Session Resumption without Server-Side State, <https://tools.ietf.org/html/rfc5077>

[2] RFC 4346: The Transport Layer Security (TLS) Protocol Version 1.1, <https://tools.ietf.org/html/rfc4346>

**Resolution:**

*The issue is acknowledged and FCS\_TLSS\_EXT.1.4 test case 3(a) shall be modified as follows:*  
<old>

*The evaluator shall permit a successful TLS handshake to occur in which a session ticket is exchanged with the non-TOE client. The evaluator shall then attempt to correctly reuse the previous session by sending the session ticket in the ClientHello. The evaluator shall confirm that the TOE responds with a ServerHello with an empty SessionTicket extension, NewSessionTicket, ChangeCipherSpec and Finished messages (as seen in figure 2 of RFC 5077).*

</old>

shall be replaced by

<new>

*The evaluator shall permit a successful TLS handshake to occur in which a session ticket is exchanged with the non-TOE client. The evaluator shall then attempt to correctly reuse the previous session by sending the session ticket in the ClientHello. The evaluator shall confirm that the TOE responds with an abbreviated handshake described in section 3.1 of RFC 5077 and illustrated with an example in figure 2. Of particular note: if the server successfully verifies the client's ticket, then it may renew the ticket by including a NewSessionTicket handshake message after the ServerHello in the abbreviated handshake (which is shown in figure 2). This is not required, however as further clarified in section 3.3 of RFC 5077.*

</new>

**Rationale:**

*As per section 3.3 of RFC 5077, it is not mandatory for a TLS Server to re-issue a session ticket and therefore the required message flow in the original test case was overly restrictive.*

**Further Action:**

None

**Action by Network iTC:**

*None*