Clarification Request

References: "e.g" Specified Tests 18.0 - 14.YY.1.1.2

Date of BTL-WG Response: 2021-02-04

☒All Actions Necessitated have been Completed

Background: "e.g" Specified Tests 14.0.Final or 135.1-2013 Test-Number

1.1.1.1 14.YY.1.1.2 Connect to Failover Hub Test

Reference: YY.5.2

Purpose: To verify that the IUT connects to the configured failover hub and maintains the connection when the connection to the primary is lost ~~and reconnects to the primary when it returns.~~

Test Concept: With the IUT configured with a primary and a failover hub allow the IUT to connect to the primary. Wait an arbitrary amount of time and have the hub silently close the WebSocket and stop responding on that port. Verify that the IUT detects the closure and attempts to reconnect to the primary hub. Verify that after the reconnect attempt fails, the IUT attempts to connect to the failover hub. Allow the connection to succeed.

Configuration Requirements: The IUT configured to connect to the TD as the primary hub, and as the failover hub.

Test Steps:

1.   MAKE(the IUT connect to the primary hub)
2.   WAIT a tester selected amount of time
3.   MAKE(the hub close the WebSocket)
4.   CHECK(that the IUT opens a new WebSocket with the primary hub)
5.   RECEIVE PORT (IUT-TD primary hub WebSocket)
            Connect-Request,
            'Message ID' =   (M1: any valid value),
            -- 'Originating Virtual Address' absent
            -- 'Destination Virtual Address' absent
            'Destination Options'   (absent or any valid value),
            -- 'Data Options' absent
            'VMAC Address' =   (IUT's VMAC),
            'Device UUID' =   (IUT's UUID),
            'Maximum BVLC Length' =   (the IUT's maximum BVLC accepted length),
            'Maximum NPDU Length' =   (the IUT's maximum NPDU accepted length)
6.   TRANSMIT PORT (IUT-TD primary hub WebSocket)
            Connect-Accept,
            'Message ID' =   M1,
            -- 'Originating Virtual Address' absent
            -- 'Destination Virtual Address' absent
            'Destination Options'   (absent or any valid value),
            -- 'Data Options' absent
            'VMAC Address' =   (TD's VMAC),
            'Device UUID' =   (TD's UUID),
            'Maximum BVLC Length' =   (the TD's maximum BVLC accepted length),
            'Maximum NPDU Length' =   (the TD's maximum NPDU accepted length)
7.   WAIT a tester selected amount of time
8.   MAKE(the TD, as primary hub, close the WebSocket connection to the IUT and refuse future connections)
9.   CHECK(that the IUT attempts to open a new WebSocket with the the primary hub)

10.   CHECK(that the IUT opens a WebSocket with the failover hub)
11.   RECEIVE PORT (IUT-TD failover hub WebSocket)
                    Connect-Request,
                    'DA' =   D2,
                    'Message ID' =   (M2: any valid value),
                    -- 'Originating Virtual Address' absent
                    -- 'Destination Virtual Address' absent
                    'Destination Options'   (absent or any valid value),
                    -- 'Data Options' absent
                    'VMAC Address' =   (IUT's VMAC),
                    'Device UUID' =   (IUT's UUID),
                    'Maximum BVLC Length' =   (the IUT's maximum BVLC accepted length),
                    'Maximum NPDU Length' =   (the IUT's maximum NPDU accepted length)
6̶12.   TRANSMIT PORT (IUT-TD failover hub WebSocket)
                    Connect-Accept,
                    'SA' =   D2,
                    'Message ID' =   M2,
                    -- 'Originating Virtual Address' absent
                    -- 'Destination Virtual Address' absent
                    'Destination Options'   (absent or any valid value),
                    -- 'Data Options' absent
                    'VMAC Address' =   (D2 VMAC),
                    'Device UUID' =   (D2's UUID),
                    'Maximum BVLC Length' =   (the D2's maximum BVLC accepted length),
                    'Maximum NPDU Length' =   (the D2's maximum NPDU accepted length)

Problem:

Last test step is numbered wrong.
The Purpose indicates we are testing re-connect to primary yet the steps are not doing this. We need to correct the Purpose.

Question:

Is proposed change to the test correct?

Proposed Response:

YES.