ID	Test Case	Summary	Notes	EMD-PE DH DVI / EMD-PE DH DP	EMD-PE SH DVI / EMD-PE SH DP	EMD-SE DH DVI / EMD-SE DH DP	EMD-SE SH DVI / EMD-SE SH DP	ZeroU DP / DVI
	Soak with normal network configuration	Setup shared connection and soak for 20 minutes. Connection options: Audio enabled, Extended Desktop enabled in cloning mode (if DH variant) TX options: Video Quality: Default Server options: Resolution 1920 x 1080, Avatar looping Network Configuration: In a non isolated network Add 7 RXs (preference for same hardware type as TX) + 1 RA into shared optimised connection. Expected outcome: all clients should remain in the connection for the duration of the test	A non isolated network is required to logistically scale up to 8 clients.	To Do	To Do	To Do	To Do	To Do
	Soak with network packet loss	Setup Netropy shared connection and soak for 20 minutes. Connection options: Audio enabled, Extended Desktop enabled in cloning mode (if DH variant) TX options: Video Quality: Default Server options: Resolution 1920 x 1080, Avatar looping Network Configuration: In an isolated network Add 7 RXs (preference for same hardware type as TX) + 1 RA into shared optimised connection. Netropy Dropped Packets: 15% Expected outcome: all clients should remain in the connection for the duration of the test	An isolated network means it may not be logistically possible to scale up to 8 clients.	To Do	To Do	To Do	To Do	To Do
	Soak with subnet configuration	Setup shared subnet (VLAN) connection per details and soak for 20 minutes. Connection options: Audio enabled, Extended Desktop enabled in cloning mode (if DH variant) TX options: Video Quality: Default Server options: Resolution 1920 x 1080, Avatar looping Network Configuration: In an isolated network Add 7 RXs (preference for same hardware type as TX) + 1 RA into shared optimised connection. Subnet (VLAN) configuration: TX on subnet A, all clients for the shared connection on subnet B Expected outcome: all clients should remain in the connection for the duration of the test	An isolated network means it may not be logistically possible to scale up to 8 clients.	To Do	To Do	To Do	To Do	To Do
	Network interface switchover test	MAC 0 switchover to MAC 1 on an RX (PE / 4K) in the shared connection. Connection options: Audio enabled, Extended Desktop enabled in cloning mode(if DH variant) TX options: Video Quality: Default Server options: Resolution 1920 x 1080, Avatar looping Network Configuration: In a non isolated network Add 7 RXs (preference for same hardware type as TX) + 1 RA into shared optimised connection. Expected outcome: no visual or audio impact on the RX where the switchover took place, no visual or audio impact on the other clients in the shared connection	A non isolated network is required to logistically scale up to 8 clients.	To Do	To Do	N/A	N/A	N/A
	Loss of client in shared connection via power cable	Disconnect the power cable on an RX in the shared connection, wait 3 seconds and reconnect. Connection options: Audio enabled, Extended Desktop enabled in cloning mode (if DH variant) TX options: Video Quality: Default Server options: Resolution 1920 x 1080, Avatar looping Network Configuration: In a non isolated network Add 7 RXs (preference for same hardware type as TX) + 1 RA into shared optimised connection. Expected outcome: no visual or audio impact on the other clients in the shared connection	A non isolated network is required to logistically scale up to 8 clients.	To Do	To Do	To Do	To Do	To Do
	Loss of client in shared connection via power button	Using the power button power off an RX in the shared connection. Connection options: Audio enabled, Extended Desktop enabled in cloning mode (if DH variant) TX options: Video Quality: Default Server options: Resolution 1920 x 1080, Avatar looping Network Configuration: In a non isolated network Add 7 RXs (preference for same hardware type as TX) + 1 RA into shared optimised connection. Expected outcome: no visual or audio impact on the other clients in the shared connection	A non isolated network is required to logistically scale up to 8 clients.	To Do	To Do	To Do	To Do	To Do
	Loss of client in shared connection via reboot command	Soft reboot via CLI of an RX in the shared connection. Connection options: Audio enabled, Extended Desktop enabled in cloning mode (if DH variant) TX options: Video Quality: Default Server options: Resolution 1920 x 1080, Avatar looping Network Configuration: In a non isolated network Add 7 RXs (preference for same hardware type as TX) + 1 RA into shared optimised connection. Expected outcome: no visual or audio impact on the other clients in the shared connection	A non isolated network is required to logistically scale up to 8 clients.	To Do	To Do	To Do	To Do	To Do
	Loss of client in shared connection via network disconnection	Disconnect the network cable on the only active network interface in the shared connection (only MAC 0 connected), wait 3 seconds and reconnect. Connection options: Audio enabled, Extended Desktop enabled in cloning mode (if DH variant) TX options: Video Quality: Default Server options: Resolution 1920 x 1080, Avatar looping Network Configuration: In a non isolated network Add 7 RXs (preference for same hardware type as TX) + 1 RA into shared optimised connection. Expected outcome: no visual or audio impact on the other clients in the shared connection	A non isolated network is required to logistically scale up to 8 clients.	To Do	To Do	To Do	To Do	To Do

Notes
Due to logistical considerations will only use isolated network configurations only in special cases e.g. Netropy testing, subnetting.

Manas has requested res changing to be added due to BUG-4191 (appliances on local switch), I' m disagreeing here as the connection is already established thus network retries shouldn't be a factor in res changing?

Manas has requested that at least one RA client be added to the setups wherever possible (only applicable to multi unicast) .

In terms of ZeroU coverage is Manas happy to use either ZU-DP or ZU-DVI.

When the new DP hardware becomes available Manas has indicated either DP or DVI variants will suffice, no read to run tests on both hardware generations.

Manas has indicated tests should be run for both the single head and dual head variants of the TXs.

Maximum breakdown of clients in shared connections is 7 RXs + 1 RA for multi unicast and 8 RXs for multicast (as RA doesn't support Multicast).

Why would retries be kicking in during a local 10 Gig multicast network soak (multiple supported Dell 10 Gig switches correctly configured to form one logical network) i.e. BUG 4176.
Is this a case in that retries are kicking off when they shouldn't like the res change reference above?
Retries are something that can certainly happen in the real world but a local test network (ideal conditions)?

Never profiled performance ina wireless configuration before e.g. like our broadcasting customers (NBC, Fox?) who use trucks as mobile setups for covering events.
While we can emulate network conditions via tools like Netropy I feel an actual Wifi setup would bolster confidence in our Wifi capabilities.
Considering getting Wifi 6 (replacing Wifi 5) router with AX5400 speed (up to 5.4 Gbps) with compatible MESH extender .
Essentially this would be an isolated logical setup with the TX at the Router end and the RX using a MESH extender (with ethernet interface) to seamlessly connect to the wireless network

4K test versions will the same except for Netropy and RA not been compatible.

Do we have an agreed baseline to determine a pass or fail in terms of "bumps"? AFAIK this is still been investigated / characterised.
1/2 was previously mentioned by Tom F as acceptable but even my provisionally testing indicates that it's unlikely we can achieve this.
In the context of the new configuration that will be implemented of "Low" (fastest, unstable), "Medium (balance between fast and stable)", "High (slowest, most stable)", that Medium will be the setting to use for testing