Checklist for the use of NewTec SMART devices in professional corporate networks

1. Basic requirement:

- All SMART controllers (SMARTplayer/SMARTstreamer) are located on the same network(LAN or VLAN).

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2. IT Network Configuration for Professional IT Networks:

- Router has DHCP enabled. ☐ YES ☐ NO

    Remarks:_____

- Multicast is enabled on the network. ☐ YES ☐ NO

    Remarks:_____

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3. Service Requirements:

- mDNS service is available on the network

    (IP: 224.0.0.251, Port: 5353) ☐ YES ☐ NO

- HTTP(S) and websocket ports are shared:

    - TCP: 80 ☐ YES ☐ NO

    - TCP: 443 ☐ YES ☐ NO

    - TCP: 1443 ☐ YES ☐ NO

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4. Port Sharing (Firewall):

- UDP-Port 42750 (Broadcasts) ☐ YES ☐ NO

- UDP-Port 42735 (Multicast) ☐ YES ☐ NO

- UDP port 5353 (mDNS) is free ☐ YES ☐ NO

Important remarks:

1) **DHCP Server:** The server automatically assigns an IP to the devices on the network
2) **Multicast:** the address ranges from 239.10.140.21 to 239.10.140.31 and 224.0.0.251 must be shared to allow communication between devices and name resolution
3) **Service Requirements and 4) Port shares:** are necessary for name resolution of http://smartplayer.local, for internal communication, for encrypted communication with the cloud, for communication with the cloud database