nielsen
Release Notes

NWE-TS
Nielsen Watermarks Encoder
Software version 4.5.1
November 06th, 2017

The Nielsen Company has developed a maintenance NWE-TS software release to address reliability issues. The new software release will help ensure stream quality, enhance security and improve diagnostic capabilities.

The encoding technologies supported by NWE-TS will continue to be available in this release with no change from release 4.3.11.

The changes in the new software version 4.5.1 include:

- A fix for an issue where the NWE-TS could enter a persistent mode where the ASI output stream was not always within specifications. In this mode the stream occasionally stopped briefly, introducing intermittent bursts of jitter (see ETSI TR 101 290 annex I.7.4).
- Improvements to the network firewall security, limiting open ports to only those necessary for the DashBoard user interface and turning off ports used only during development.
- Disabling ICMP (Internet Control Message Protocol) & TCP (Transmission Control Protocol) timestamp responses to avoid security vulnerabilities. For further information see the following websites:
    https://nvd.nist.gov/vuln/detail/CVE-1999-0524
    http://www.forensicswiki.org/wiki/TCP_timestamps.
- Added Information about the BIOS revision and date to the logged information.