



NWE-TS Nielsen Watermarks Encoder Software version 4.8.1 August 1, 2024

The Nielsen Company has developed new NWE-TS software to provide the updated CBET TV v2 encoding, enhance reliability and improve the user experience. The new software continues to support all existing watermarking technologies and NWE-TS features.

The changes in the new software version include:

- Rollover problem; Fix range restriction time range (01/01/2027 cutoff)
- User document note regarding SID and CSID both not specified
- User document update for limitation to ATSC bitrate (19.3 Mbps)

Planned quality improvements

Nielsen SQA testing has found the following issue which appears to apply not only to release 4.8.1 but also prior releases. **No end user has reported this issue to Nielsen.**

This issue happens when NWE-TS "Time Reference" setting is set to "System Clock"

When the intended target DATE/TIME is not within the active Standard Time vs. Daylight Saving Time setting, the resulting DATE/TIME could be offset by one hour.

"System Clock" mode is not recommended for normal operation because it does not synchronize to any external time reference and will result in clock drift. NTP is the recommended time reference, and LTC can be used where needed.

Nielsen recommends that the user verify the DATE/TIME on DashBoard UI after changes.