

## UPGRADING FIRMWARE POOL TECHNICAL NOTE

The ComET tool "System Configuration Manager" allows to backup and restore a whole system:

- The backup is done by uploading the binary blocks directly from the AccurET and/or UltimET flash. The flash contains different kinds of binary blocks, for example firmware blocks, register blocks, sequence blocks, etc... All these blocks are then stored and zipped into a System Configuration ZIP file.
- The restore process first unzips the System Configuration file and then downloads all extracted binary blocks into the AccurET and/or UltimET controllers.

EDI also provides a set of DSA functions allowing to backup and restore a whole system.

From ComET-2.11A (and EDI-3.16A, EDI-4.01A), the binary blocks of the firmware are not uploaded from the flash, but they are extracted from a pool of firmware provided in ComET and EDI packages. The download process also extracts the firmware blocks from this pool before downloading them into the device.

This pool of firmware is available in:

- For ComET, under <ComET installation directory>\bin\fw
- For EDI, under <EDI dll subdirectory>\fw (depending where you install EDI dll).

The pool contains all firmware versions existing at the time ComET and EDI versions were released.

ETEL can, in some situations, release new AccurET and/or UltimET firmware version(s) without releasing a new ComET and EDI version. This means that the ComET (or EDI) firmware pool **will not contain** this new firmware version.

If a user wants to use such a new firmware, the following procedure has to be followed:

- Copy the firmware into the firmware pool of ComET: <ComET installation directory>\bin\fw
- Copy the firmware into the firmware pool of EDI: <EDI dll subdirectory>\fw (This must be done only if EDI System Configuration DSA functions are used).
- Download the firmware using the Download Wizard ComET tool in each device which requires it.
- Rebuild the System Configuration zip file by backuping the system (up-to-date backup file).

As an example, ComET and EDI were released with latest AccurET and UltimET firmware versions: 2.07A. New AccurET and UltimET firmware are released: version 2.07B. Neither ComET nor EDI will be upgraded, and thus their pool of firmware won't contain the AccurET and UltimET firmware 2.07B. In this situation, the above procedure must be followed.