

## COMPATIBILITY BREAK IN SOFTWARE PRODUCTION PACKAGE PP04

Version history		
Version	Date	Modifications
1	13.05.2014	Initial version.

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## 1 INTRODUCTION

This document describes the compatibility break introduced with the software package PP04, released for AccurET and UltimET products family, which contains:

- AccurET Modular Firmware version **3.00A** for Hardware **Revision 2 only**
- UltimET Firmware version **3.00A**
- EDI **4.10A**
- ComET version **4.10A**

AccurETs Modular Hardware **Revision 1** are not supported by this package and will remain with Firmware version 2.07B.

## 2 SCOPE OF COMPATIBILITY BREAK

The compatibility has been broken to improve the metadata management in order to bring more flexibility in the software validation process of customers.

Up to now the information about the commands (definition, number of parameters, their types, Iso conversions,...) and registers (definition, Iso conversions,...) was extracted from an external database in order to be included in DMD of EDI. This means that EDI should include all the history about all products.

In order to be more efficient, from Firmware version 3.00A, this information is included in the Firmware. EDI extract this information every time a communication is opened with a controller, and will build DMD based on that.

The advantage is that new Firmware for AccurET or UltimET can be released in the future without necessarily releasing a new version of EDI.

To use AccurETs and UltimETs Firmwares from version 3.00A, EDI from version 4.10A and ComET from version 4.10A are required.

The mixing of Firmware 3.00A with Firmware 2.xx on controllers (AccurETs and/or UltimETs) running on the same TransnET bus is not allowed. For that reason the applications (machines) in which AccurETs Modular Hardware Rev.1 are in use cannot be migrated to this Software Package.

Please read the chapter 4 below if you need to downgrade controllers from version 3.00A down to version 2.xx.

## 3 ADDITIONAL INFORMATION

### 3.1 ComET 4.10A

ComET from version 4.10A is required to manage the Firmwares from version 3.00A.

*Note: ComET 4.10A is based on EDI 4.10A. For that reason it does not support the DSC/DSMAX product family.*

### 3.2 EDI 4.10A

EDI from version 4.10A is required to manage the Firmwares from version 3.00A.

*Note: In order to be compatible with older firmware versions (<3.00), EDI 4.10 contains also the information for these old versions.*

### 3.3 UltimET 3.00A

The following compatibility breaks has been also introduced in UltimET Firmware:

- **\*END command now stops all threads when used without parameters.**

The \*END command stops the specified thread, if it is either 1, 2, or 3 (error 3000 BAD\_PARAM is generated if not), or all threads if no parameters are provided to the command. The threads are always stopped regardless of \*K144.

For all release version <= 2.07B, when the command \*END is sent without parameter, only the thread 1 is stopped.

- **\*M66 now indicates the bit number (warning code) instead of the bit value of the warning**

From version 2.06A up to version 2.07B \*M66 was showing the bit value of the active warning, which was different from AccurET, where it is the bit number that is indicated.

### 3.4 AccurET 3.00A

The following compatibility break has been also introduced in AccurET Firmware:

- **Command END without parameter stop all threads**

Now if the command END.<axis> is without parameter, all threads are stopped.

For all release version <= 2.07B, when the command END.<axis> is sent without parameter, only the thread 1 is stopped.

## 4 HOW TO DOWNGRADE CONTROLLERS FROM FIRMWARE VERSION 3.00A DOWN TO 2.XX.

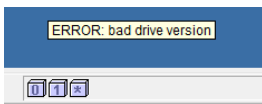
The procedure to be used to downgrade controllers from FW version 3.00A down to version 2.xx is described below.

### 4.1 Downgrading of a single controller.

If you have a single controller to downgrade use the 'Download Firmware' wizard of ComET4.10A.

ComET2.11B can also be used, but in that case complete the 'Download Firmware' wizard before establishing a communication with the controller.

*ComET2.11B will indicate the message 'ERROR: bad drive version' when connected to a controller with FW version 3.xx*



### 4.2 Downgrading of a complete system.

The ComET Tool 'System Configuration Manager' must be used for this operation.

You must have previously created a backup.zip file of your system.

Then open the 'System Configuration Manager' Tool of ComET and select the 'Download System Configuration' action and proceed as usual.

ComET4.10A or ComET2.11B can be used, but avoid establishing a communication to your system and opening other ComET tool before having completed the 'Download System Configuration' action.