



Our 36<sup>th</sup> year

**JFM Engineering, Inc.**  
8030 NW 67th Street Miami, FL 33166, USA  
Phone +1 305-592-2272, Fax +1 305-594-4933  
[www.ifmeng.com](http://www.ifmeng.com)

---

## TECHNICAL BULLETIN

TB: 1520201

DATE: 2 February 2015

PRODUCT: *BTAS16*

EFFECTIVITY: Immediate

ISSUE: Various software improvements and new functionalities:

### 1. New Features

#### 1.1. Cells numbering sequence:

1.1.1. For reporting purposes, cells numbering can now be done from either side of the battery.

1.1.2. Internally the database will continue to number the cells from the most negative terminal.

#### 1.2. Temperature reporting:

1.2.1. For reporting purposes, temperature can be displayed in either °C or °F

1.2.2. Internally the database will continue to save the data as °C

### 2. Improvements

#### 2.1. Data recording timing intervals:

2.1.1. Timing intervals have a better accuracy (variation is now a few seconds)

#### 2.2. Synchronization with Charger-Analyzer:

2.2.1. Under normal conditions, the Charger-Analyzer will complete the test cycle before the BTAS program. This will result in the loss of the last reading and although not significant in Charge Cycles it can be in Discharge Cycles where readings are every minute. The solution for this is to add one minute in the Charger-Analyzer to the Discharge Cycle (1:01 as opposed to 1:00, or 61 as opposed to 60). This allows the BTAS program to complete its readings after which the Charger-Analyzer is stopped by the program (if linked) or it will stop on its own time.