QL TEDS Editor

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Overview

- Review of TEDS Editor Versions
- Review of Software Error Notices
- TEDS Editor Updates
- Review of Sensor TEDS Verification process

QUIKLOOK Software - TEDS

TEDS – Transducer Electronic Data Sheet

IEEE Standard - IEEE P1451.4/2.0

- All Sensors have a TEDS Chip
- TEDS Chip may contain all - none of the configuration data.

- Sensor
- Channel Name
- Units
- Description
- Type
- Range
- Excitation
- Sensitivity

- Cal Date
- Cal Due Date
- Manufacturer
- Model
- TLTS Serial Number
- M&TE Number

QL TEDS Editor Versions

- **Version 2015.166**
  - June 2015
  - Initial release

- **Version 2015.321**
  - December 2015
  - Make any field blank
  - Automatic Read After Write

QL TEDS Editor Versions

- **Version 2016.139 -** No longer in use as of March 2017

- **Version 2017.207**
  - September 2017
  - Fixes and improvements to previous versions
  - New fields (**compared to 2015.321**)
    - M&TE
    - Channel Name
    - Graph min, Graph max
    - "Last Programmed"

Software Error Notices

- **Error Notice 2016.166**
  - Applies to Version 2015.166 – 2016.139
    - Programming a calibration cycle longer than 4095 days (11+ years) will result in loss of data stored on the TEDS chip.
  - Workaround
    - Do not program a calibration cycle longer than 10 years
    - Carefully enter the Cal Date and Cal Due Date to avoid programming an incorrect calibration cycle
  - Notes
    - TEDS Editor will automatically set the Cal Due date to 1 year after the Cal Date

Software Error Notices

- **Error Notice 2016.139**
  - Applies to version 2016.139
    - Programming the “Sensitivity” field can result in the loss information stored in the “Type” and “Range” fields.
  - Workaround
    - Discontinue use of TEDS Editor 2016.139. Revert to TEDS Editor 2015.321

TEDS Editor 2017 Updates

- **Fixes and improvements to previous versions**
  - Calibration cycle is now limited to 11 years
  - Fixes to handle relocation of Serial Number and M&TE Number
- **GUI Changes**
  - Program Version in title bar
  - Read-only fields displayed in gray
- **Windows 10 support**
- **Enforce read before write and read before print**

TEDS Editor 2017 Updates

- **Implemented in QUIKLOOK 2017**
  - M&TE Number
  - Channel Name
- **QUIKLOOK 2018**
  - Graph Min, Graph Max

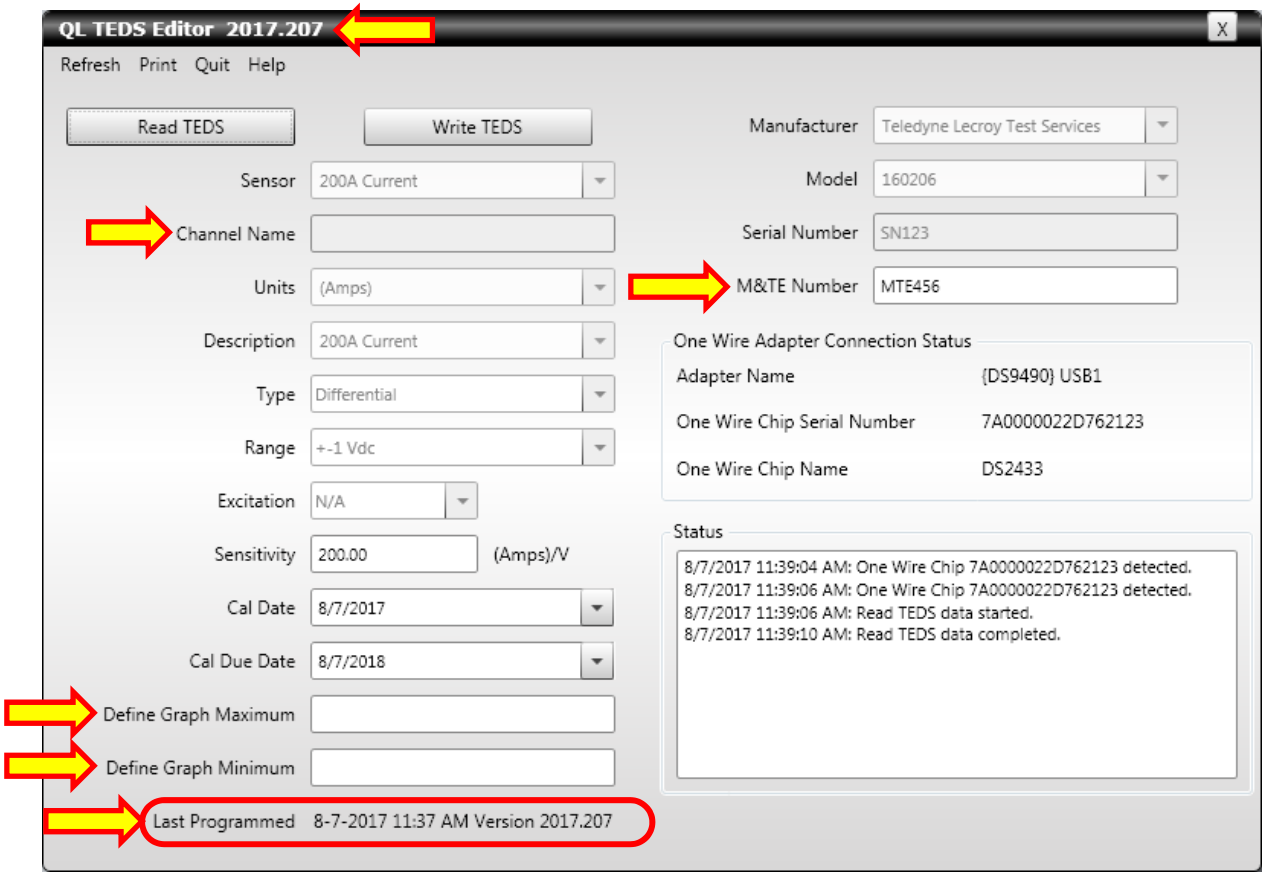
TEDS Editor 2017 Updates

- **New field - “Last Programmed”**
  - Stores timestamp and program version used to write TEDS chip

    8-16-2017 11:30 AM Version 2017.207

  - Displayed as “N/A” if Last Programmed field is not populated
    - 1kb TEDS chips (limited space)
    - Some cables equipped with TEDS
    - Sensors programmed with older version of TEDS Editor

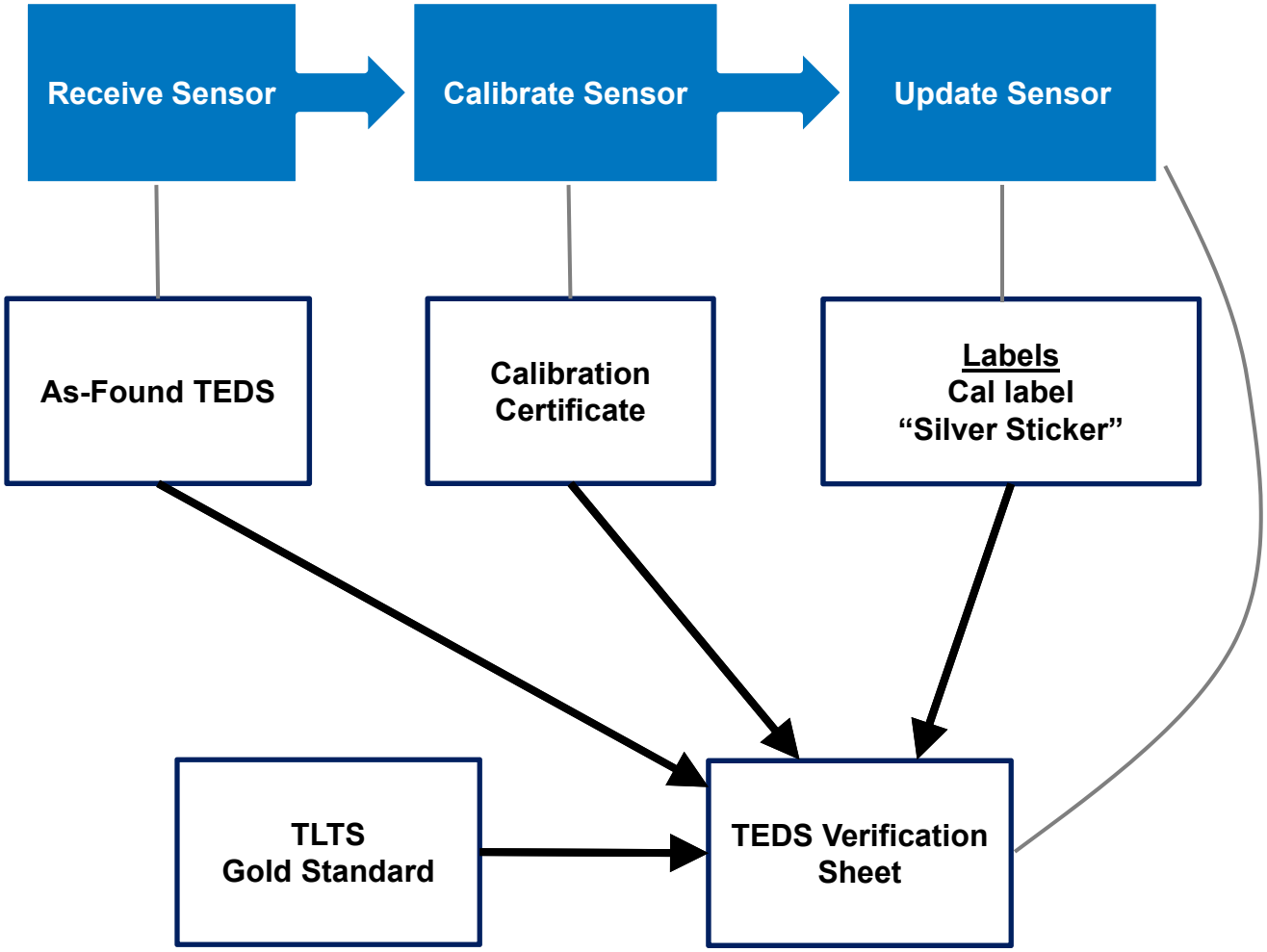
TEDS Editor 2017 Updates



Sensor TEDS Verification Process

- TLTS uses the Sensor TEDS Verification sheet to cross check the data on the TEDS chip with the calibration certificate, sensor labels, etc.
- The same process should be applied any time a sensor is programmed
- Current TEDS Editor SR Program with SR verification process
- Next version to be commercial with SR verification process

Sensor TEDS Verification Procedure



Any Questions?

THANK YOU

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