

# Eddyfi Magnifi® 4.4R11 Release Notes

## System Requirements

- **Supported operating systems:** Windows® 7 SP1 and all necessary updates, Windows 8, Windows 8.1, and Windows 10 (32-bit and 64-bit editions)
- **Processor:** Core i5 or better (or equivalent)
- **Memory:** 8 GB or more (recommended: 8 GB)
- **Minimum available disk space:** 500 GB
- **Recommended network:** Built-in network card (USB-to-network adapter also acceptable)
- **Display:** 13" or larger (recommended: 15")
- **Minimum resolution:** 1366 × 768 pixels for extensive analysis purposes, we recommend using an additional external monitor, 22" or larger with a minimum resolution of 1920 × 1080 pixels.

## Firmware

Included in this release of **Magnifi** is the following firmware:

### Eddyfi Ectane® 2

- Version: 2.1R2  
Update your firmware the first time you connect to Ectane 2.

### Ectane

- Version: 1.1D1T30  
This is the same version as Magnifi 3.5R9

## New Features and Improvements

### Surface Applications

- All Eddyfi Sharck setups from the master list updated
- Surface ECA liftoff rotation assistant
- High-resolution Sharck probe setup integrated to master list
- Better import setup in Eddyfi Reddy instruments
- Position marker for Sharck pencil probes
- Better TECA sizing capabilities for stress-corrosion cracking
- 2D surface median filter supported by Reddy and Magnifi default setups

- 1:1 zoom button in C-scans
- Sharck functions grouped on single ribbon
- C-scan report entry index linked to indication boxes
- Strip chart **Render All** mode supports independent coloring

## Tubing Applications

- Better landmark detection for the assisted data analysis
- Eddyfi Probot and assisted data analysis procedures available from documentation link in software preferences
- RFT calibration based on theoretical model and frequency compensation assistant
- RFT over speed warnings based on landmarks
- Better IRIS page layout and information
- New integrated documentation
- Assisted analysis procedures
- RFT calibration tool procedures
- Manual measurements in keyboard shortcut list
- Invert rotation button in sizing curve window
- Probot **Set Home** available on the remote control

## Modifications to Existing Features

None in this version.

## Dropped Features

- FIR filter no longer available in C-scan process

## Resolved Issues

- Sharck user material calibration affected entire software navigation
- Second-generation pencil Sharck probe information field displayed incorrectly
- Faster C-scan data display during acquisition
- Calibration surface C-scan file not properly loaded from file list
- RFT normalization no longer affected when loading new data files
- Lissajous and strip chart frequencies displayed values now refresh
- R-Theta probe supports all quadrants, on polar scan, including negative offsets
- C-scan indications now refresh automatically
- C-scan and strip chart previous zoom work
- C-scan views froze after defect entry
- NDD button unavailable after loading several data files
- Baseline computation too sensitive to long defects, which effected Sharck sizing values

## Known Issues, Limitations, and Restrictions

- General liftoff compensation for ECA probes possible only if process added in advanced mode
- Automatic data screening limited to shallow ID pitting in ECT/ECA tubing applications
- Automatic data screening does not support RFT and IRIS tubing applications
- Measurement button does not work in **View Sizing Curves** dialog box

**Workaround:** Perform calibration in system calibration