



# Lyft™ Software 1.1R3 Release Notes

## System Requirements

- Lyft instrument
- Electronics upgrades are necessary to fully support the new features of the version:
  - The PEC pulser/receiver board should be revision D or later
  - The PEC side plate board should be revision E or later

## New Features

- Faster PEC Autoset, especially on thicker walls
- The SmartPULSE™ icon allows performing PEC Autoset, WT Calibration, and Repeatability Optimization in a single step.
- Supports steel thicknesses up to 64 mm (2.5 in)
- Compensated minimum wall thickness calculation: The system analyzes the selected region with the cursor, compares measurements with the probe's footprint, and supplies a corrected depth measurement.
- Grid numbering now supports letters or numbers
- Improved dynamic scan mode
  - Possible to start and stop the mode at any time
  - Restarting at a specific position by placing the C-scan cursor where you want to be, and then tap Acquire. The C-scan will continue filling from this position.
- Pause function in dynamic mode
  - To pause a dynamic scan with the remote control, press the play/stop button on the probe. Press again to resume.
  - To stop a dynamic scan with the remote control, simultaneously press the Increment and Play buttons.
- Possibility to add circumference information when defining a pipe component.
  - The circumference is automatically calculated according to the pipe's outer diameter, insulation thickness, and jacket thickness.
  - If you do not know how thick the insulation is, type a circumference, and then the insulation thickness is calculated.
- The C-scan cursor supports wraparound of pipe components
  - If the scan zone covers 360°, applying wraparound makes it possible to measure defects extending to both edges of C-scans.
- Position information, in degrees, along the circumferential axis of a pipe geometry
- Possibility to modify the scan direction in grid mode.
- Possibility to disable the touchscreen
- Sleep mode feature allows turning off the display and save battery power when not performing acquisitions with the instrument.
- Added support for external encoders to use the probe with mechanical scanners



- Encoder calibration tools
- Easier-to-understand Scan definition page.
  - Three different types of resolutions (grid, dynamic screening, dynamic high resolution)
  - Resolutions are automatically suggested according to the scan mode and the probe footprint, which may be modified as necessary.
- The scan zone navigator allows moving from one scan zone to another without going to the backstage
- Square box option in C-scans to show where the reported indications are located.
- Capacity to duplicate components
- Improved the import/export functions
  - Possibility to import and export specific components/projects between the Lyft instrument and a USB mass storage device without using Quick Copy.
- Improved reports: Setup information included for each scan zone.

## Improvements

- Disabled PEC Autoset when no probe is connected to the instrument.
- Added unit editor for the Offset value of the Add Scan Zone dialog box.
- When the instrument is turned on, it now rapidly switches all its relays, during which time they emit a clicking noise. This was implemented to ensure the switches remain clean, lowering the chances of signal interruptions.

## Known Issues, Limitations, and Restrictions

- The Get Point button on the Lyft keypad does not respond in Survey mode.  
**Workaround:** Use the Get Point button on the probe.
- When using the arrows on the Lyft keypad to resize the C-scan cursor, the cursor behavior (increase or reduce the size) varies according to the location of the origin of the component.
- The warning information field does report weak signals. Thicknesses may therefore be calculated with weak signals (as in an air shot).
- Some of the software interface icons do not display correctly with the dark display scheme.
- Indication boxes in the C-scan are not exported to reports.