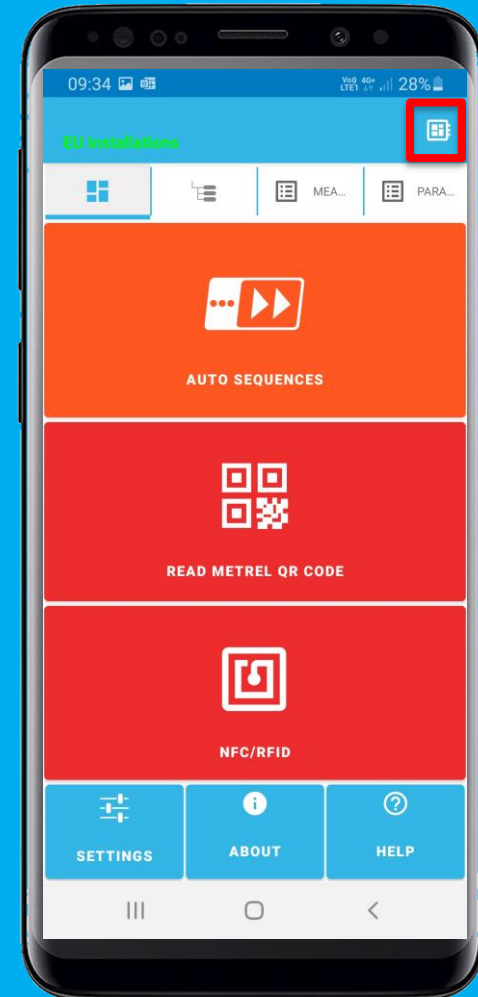# aMESM functionality

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Basic functions

- ## Supported instruments
  - MI 3155, MI 3152(H), MI 3102, MI 3125, MI 3280, MI 3290, MI 3325, MI 3360, MI 3394

- ## Main menu
  - Auto Sequence selector
  - QR code reader
  - NFC reader

- ## Memory organizer

- ## Measurements and parameters

- ## Settings

- ## Help

- ## Functionality selector

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- Scope of work

- Device activation

- Load last used project

- BT connection settings
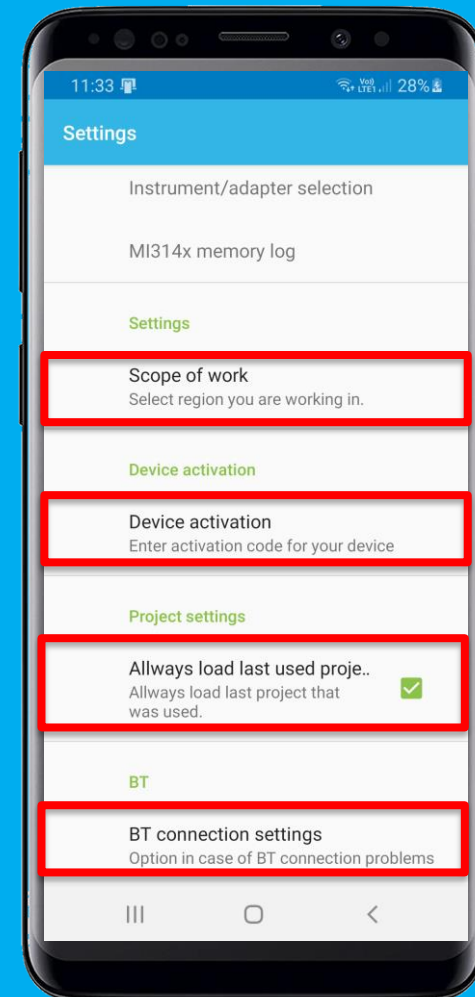
Projects
Memory organizer

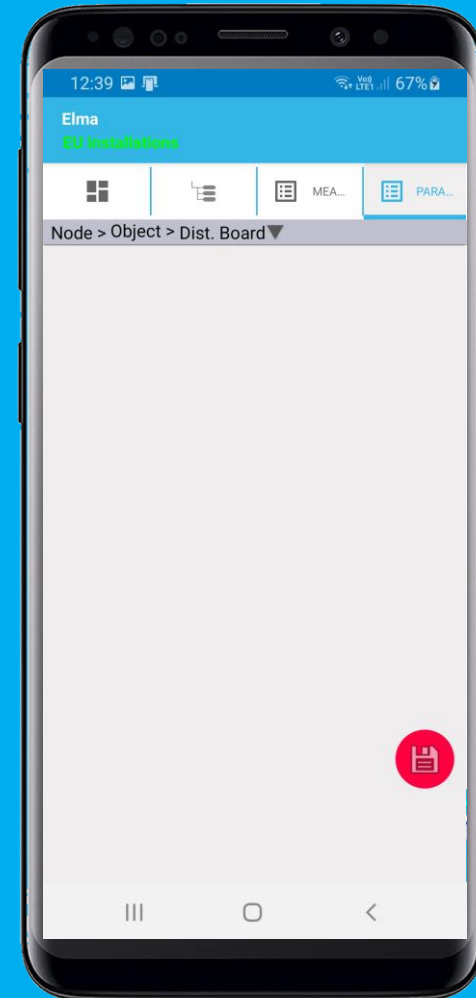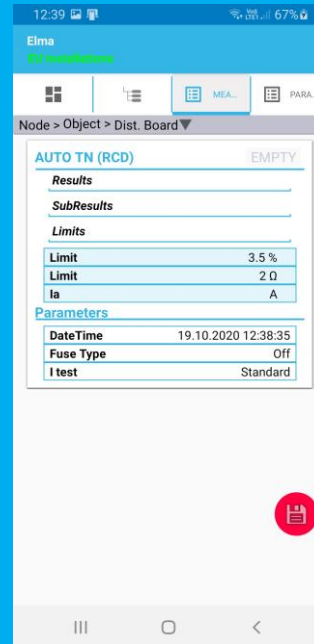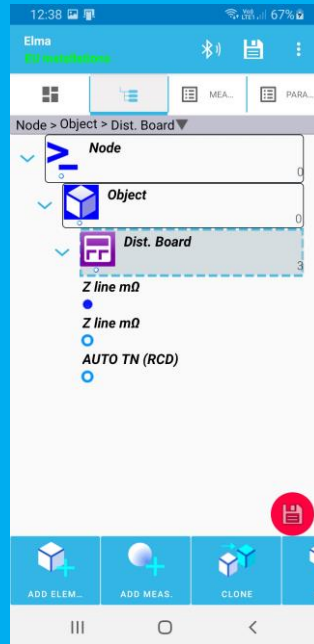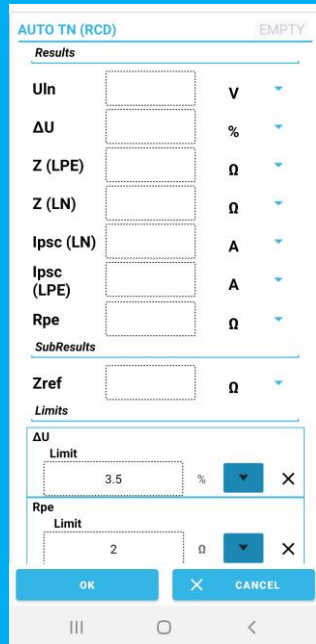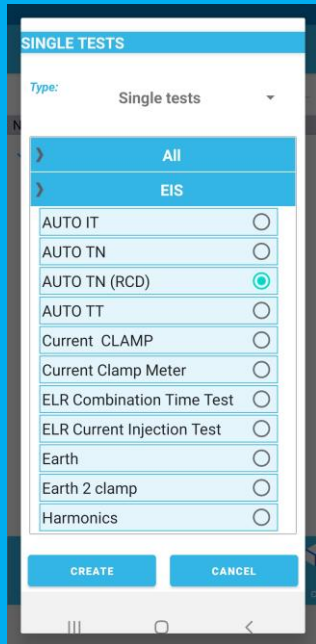- Open (last used) or start data structure file
- Save (as)
- Import and export projects
- Simply share projects

- Prepare/update/upload/download data structures.
- Add audio-visual attachments to measured data and send them to the office before leaving the test site.
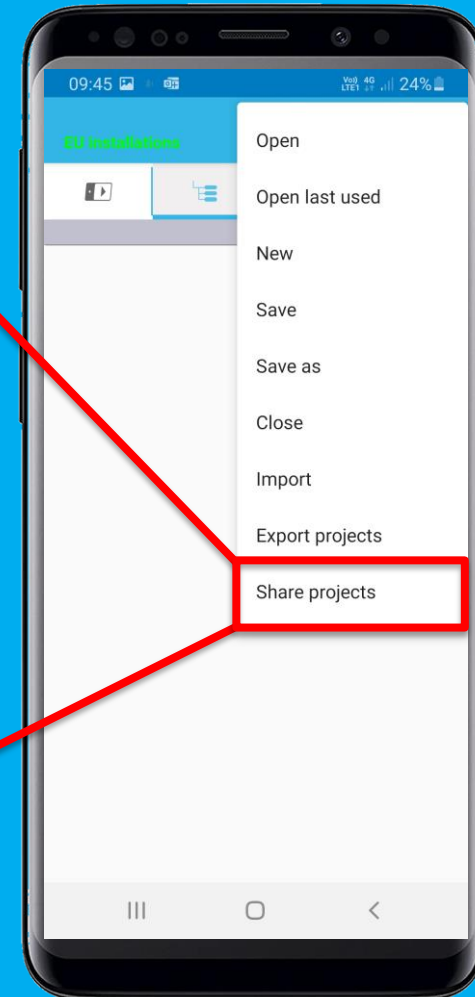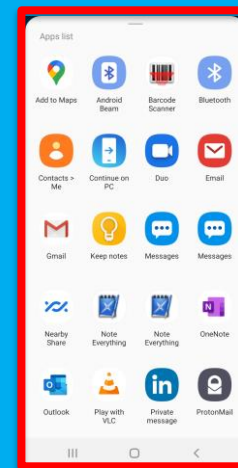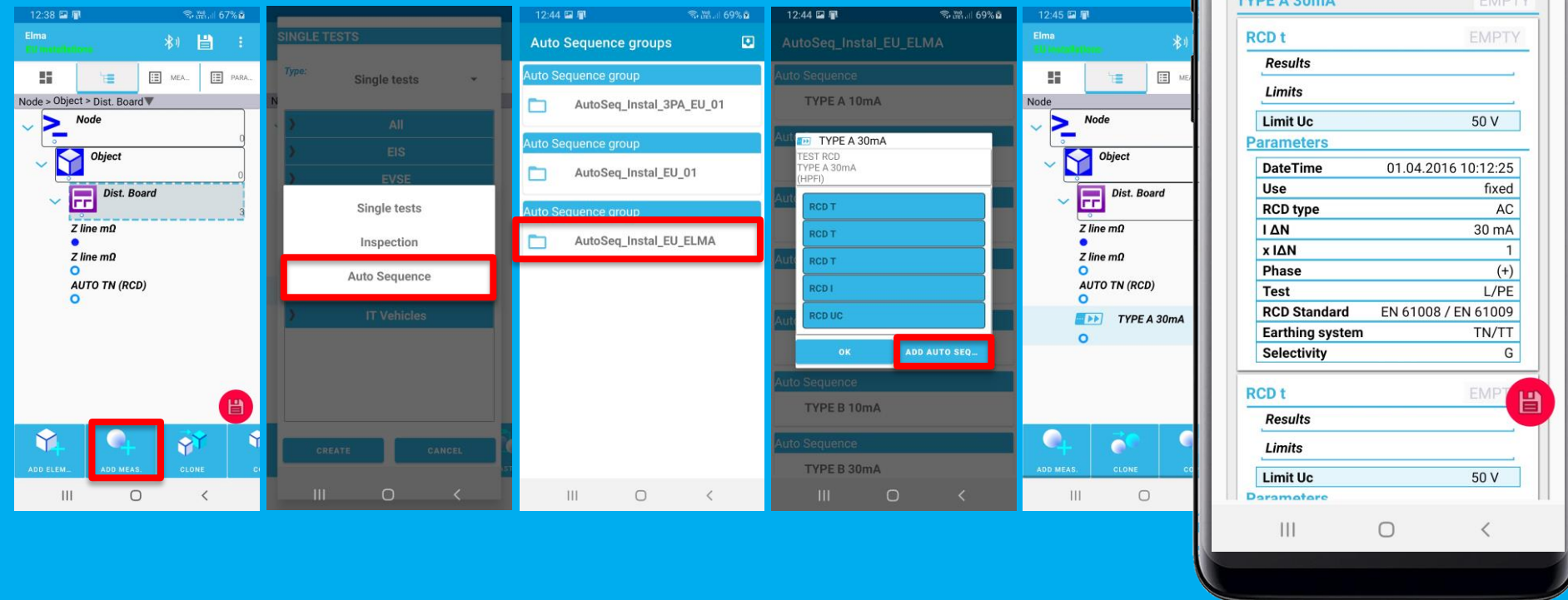
Projects
Create structure

- Prepare a tree strucure
- Add measurements
- Set parameters
- Verify limits

Projects
Auto Sequence selector

- Select Auto Sequence group file
- Add Auto Sequence to strucutre
- Set parameters

Data transfer
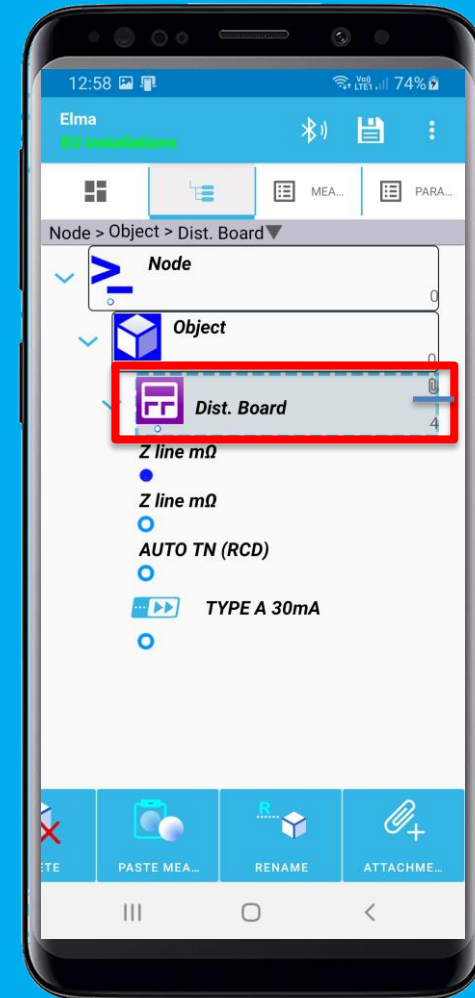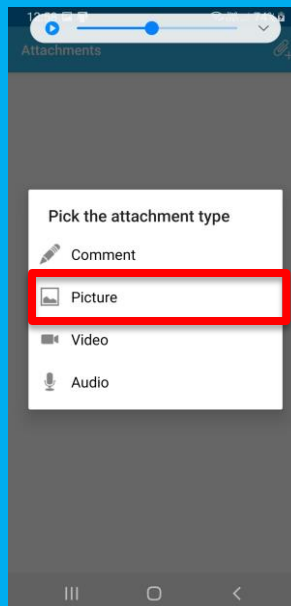## Transfer data to/from instrument

- Make sure a proper instrument is selected (e.g. MI 3155)

- Up- / download the structure

- Data may be shared between:
  - Android and PC
    (using the native Android functions)
  - Android and MI device
  - PC and MI device
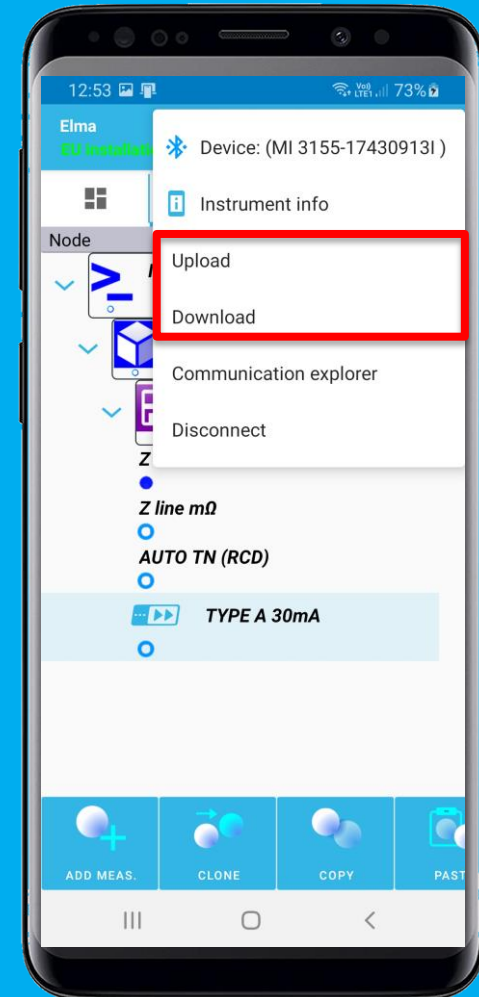
- Add attachments objects
  - **Text**, **Picture**, Video, Audio
- Send file PC and merge *.padfx files to create a full report.
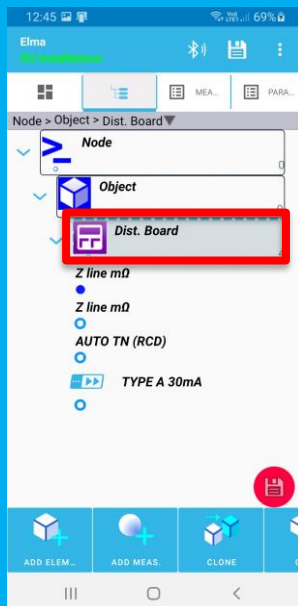
Create a PDF report
Send, view

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- ## Add attachments objects
  - **Text**, **Picture**, Video, Audio
- ## Send file PC and merge *.padfx files to create a full report.

- Select MI 3143 / MI 3144 mode
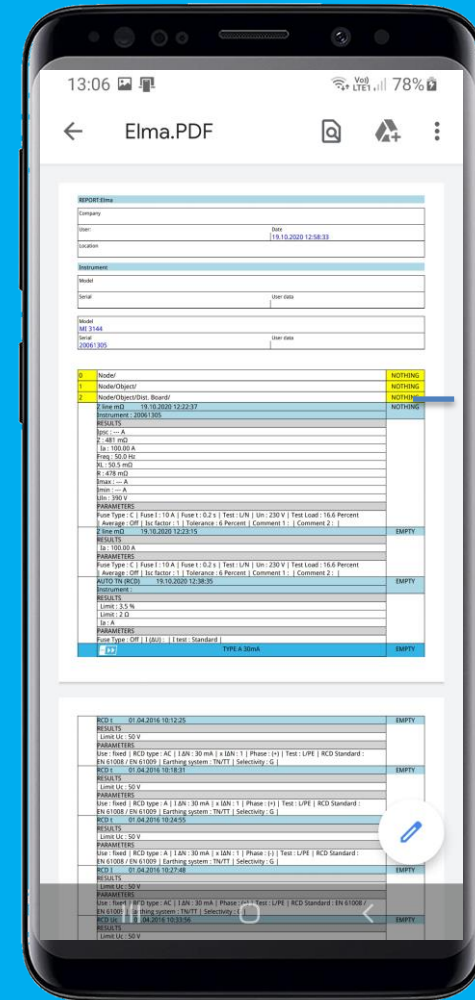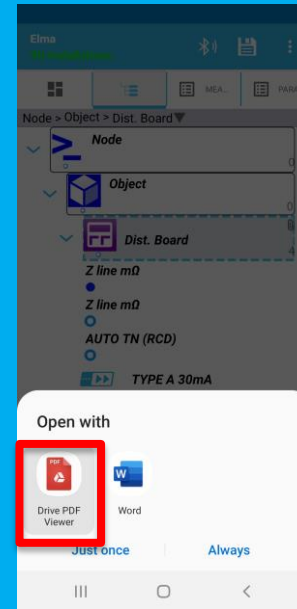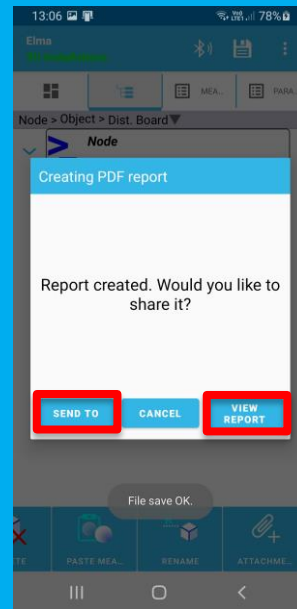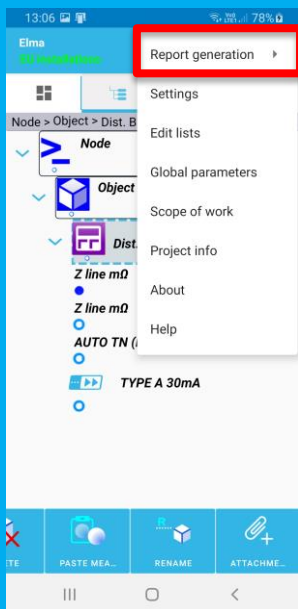

Following permissions are needed for application to work: Bluetooth - to be able to communicate with instruments Location - needed because bluetooth needs this permission and not because we use location in any way Storage- to be able to write and read from external storage Camera, audio - to be able to store attachments If this permission will not be granted application cannot be used. You will be prompted to accept this permissions on next screen.

OK

- Enabe BT and location services
- Select MI 3143/MI 3144 device
  Note: number of tests depends on the selected adapter.
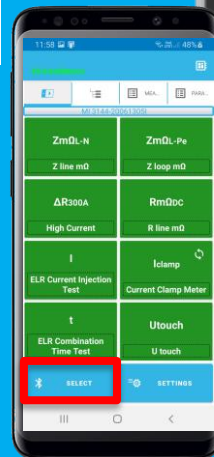
MI 3143 / MI 3144 support
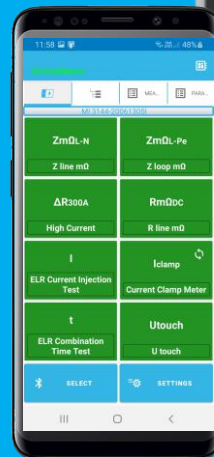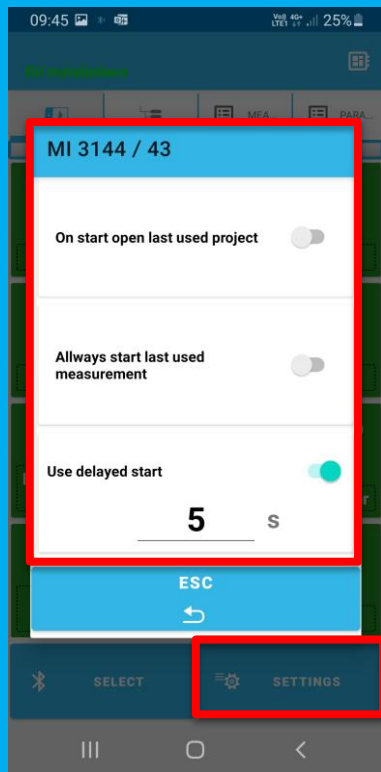## Settings

- Enable / disable start last used measurement
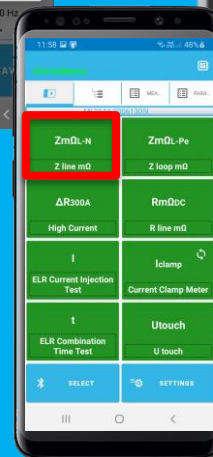- Enable / disable open last used project
- Set delayed start

MI 3143 / MI 3144 support
Start test

- Select test (e.g. Z line mΩ)
- Set parameters and verify Ipsc limit
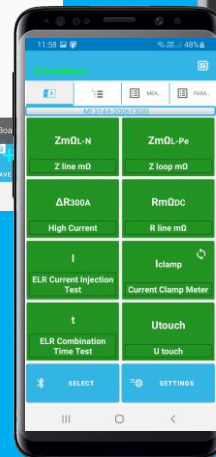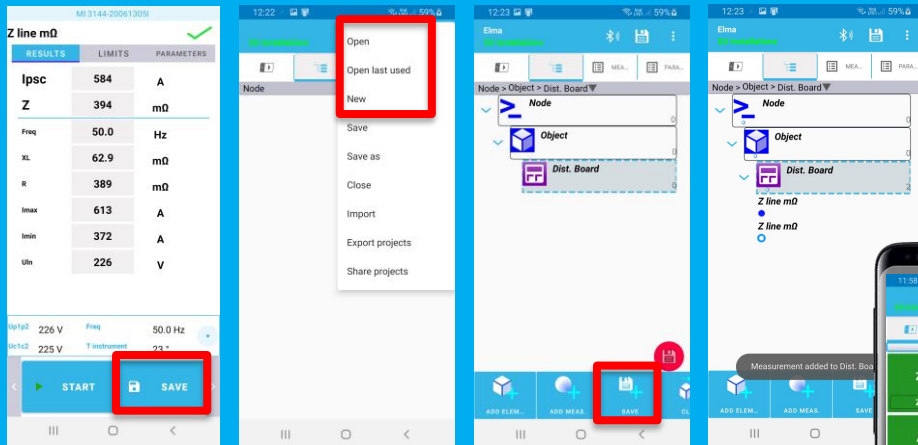- Start test (with delayed start)
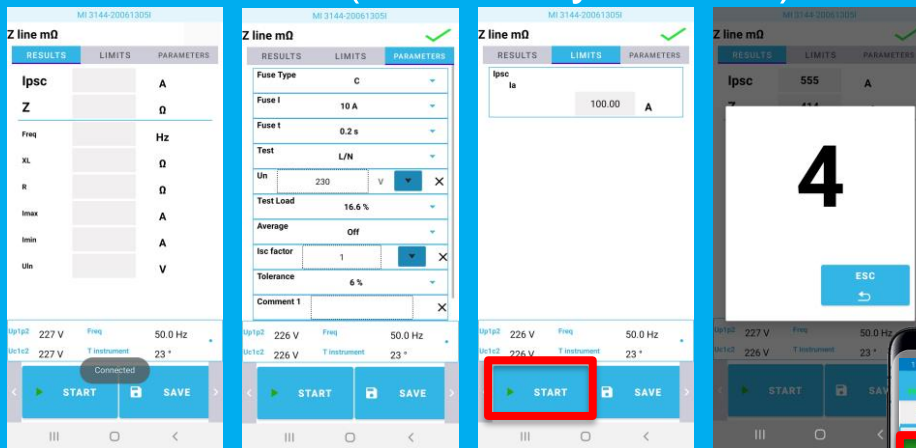
MI 3143 / MI 3144 support
Save test to structure

- After receiving results save test
- Choose last used structure or create new one
- Prepare structure or select object
- Save

aMESM chart

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Applications/Measurements   DASHBOARDS   PROJECT MANAGEMENT

Test structure editor   Measurement viewer   Test structure parameters editor

TestDataManager mode

Select/disconnect inst., upload/download, inst. info

NFC reader   QR reader   Autosequence viewer

And others

Toolbar

IA Console mode

Limits editor   Measurement parameters editor   Measurement result viewer   Test/retest

Start   Save

START   SAVE   ESC   HELP   CONNECT

START aMESM