

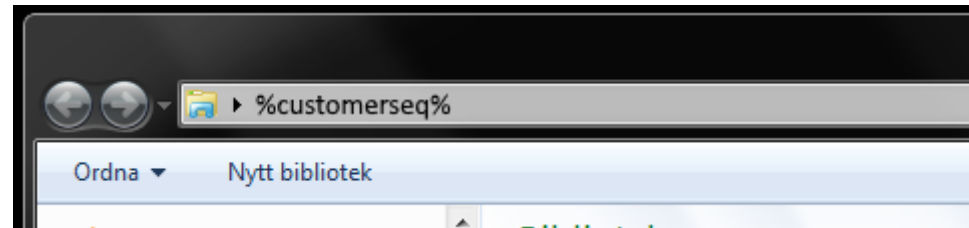
How to install external sequence at Siemens systems

Based on host IDEA version VE11
And FWF patch version 1.13 (and later)

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Copy the sequence files to %customerseq%

- Log in as advanced user. Normally by opening the start (press windows button, or Ctrl + Esc) and selecting "Advanced User"
 - Password is provided by Siemens
- Insert the media that contains the sequence files (USB stick). Copy the relevant files to the customer sequence folder
 - Usually, two files need to be copied (.dll and .so)
 - Access the correct folder by typing %customerseq% in an explorer window and press enter.



Hint: It is likely that %customerseq% points to C:/Medcom/MriCustomer/seq/

Create a valid waveform library (not applicable if you have "s" version)

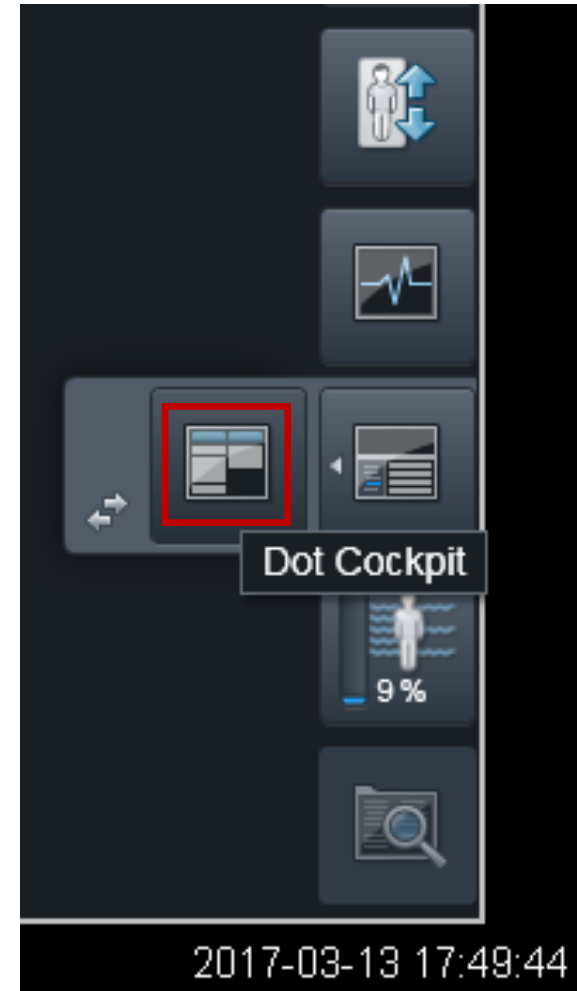
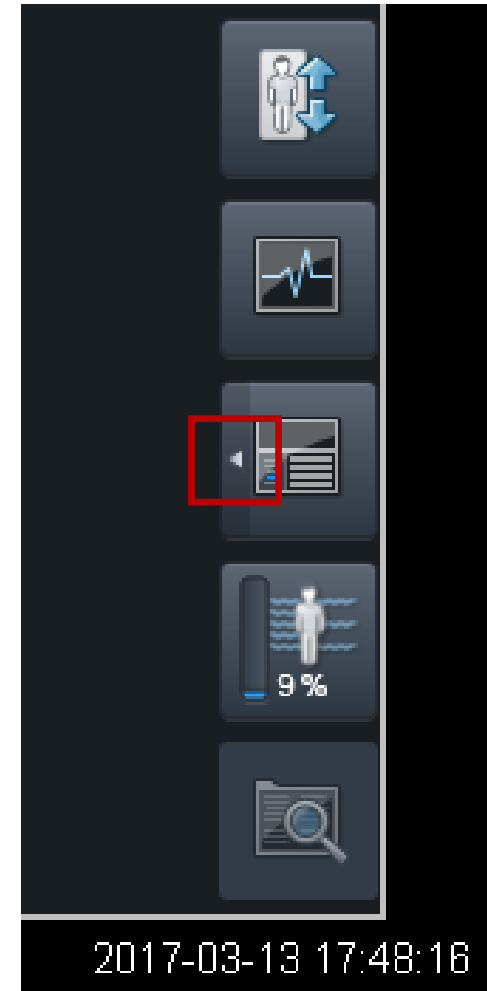
- Create a common library folde where generic waveforms are stored
 - The path is: %customerseq%/FWF_Library/COMMON/
 - This folder should be populated by
 - FWF_OPTICUBE03.txt, FWF_OPTICUBE12.txt, FWF_OPTICUBE21.txt
 - For > V1.07 it also includes FWF_TRAPXXX.txt and FWF_BITRAPXXX.txt
- Insert your own waveforms in one of the study folders
 - The path is: %customerseq%/FWF_Library/STUDY_*/
 - The "*" can be 01, 02,... 20
 - In each study folder you can keep 16 pairs of waveform files
 - These are named: FWF_CUSTOM*_A.txt and FWF_CUSTOM*_B.txt
 - The "*" can be 001, 002, ... 010
 - The _A and _B are played before and after the refocusing pulse

Hint: Don't modify waveform files that you do not own – it may ruin someone's setup.

Open the parameter editor

1. Click the little white arrow next to the dot cockpit icon
 - The program editor icon should appear
2. Click the program editor icon

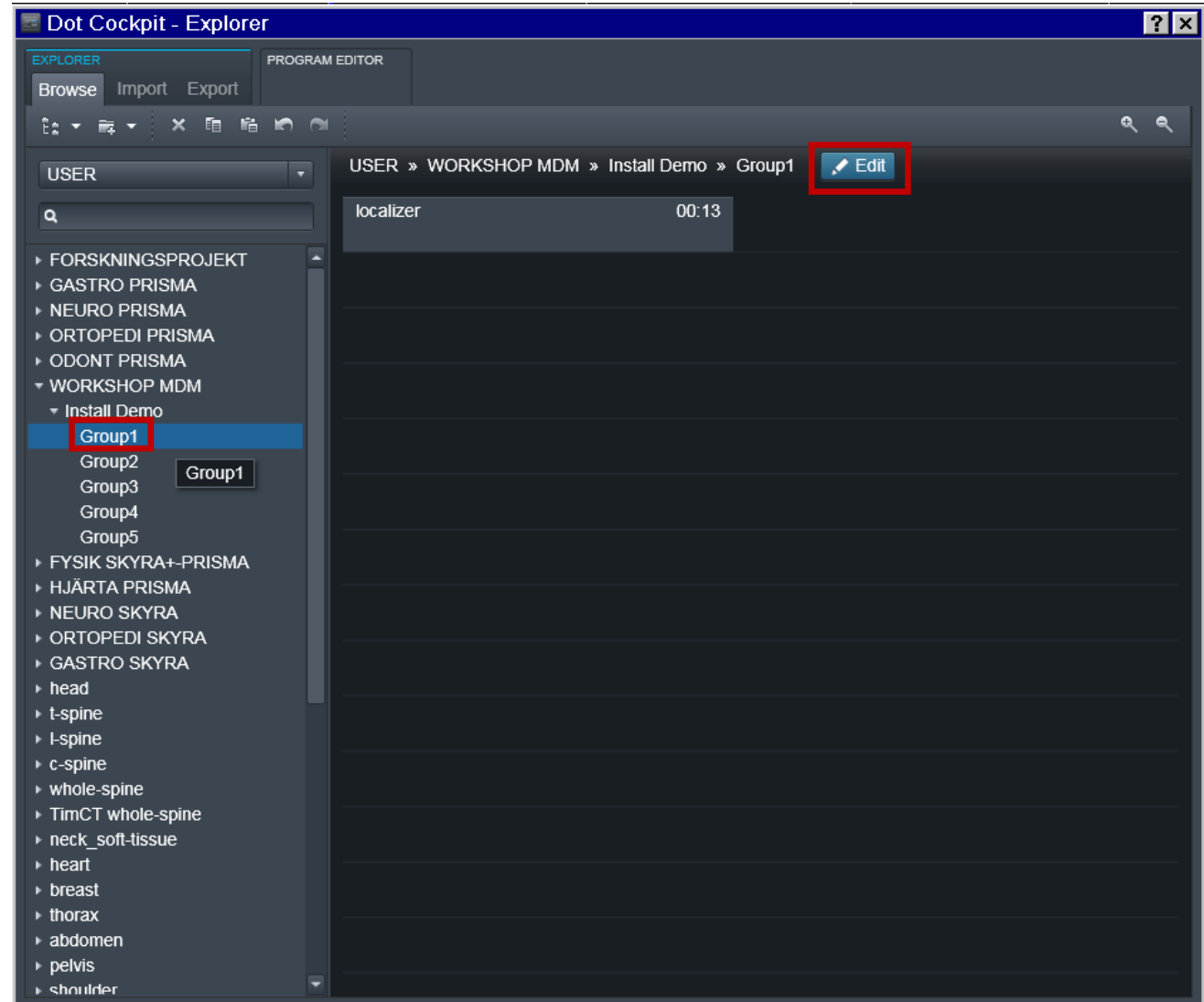
Tip: Sometimes the Dot Cockpit and the Program editor icons are switched. In that case, you don't need to click the white arrow to expand the menu.



Select a work folder

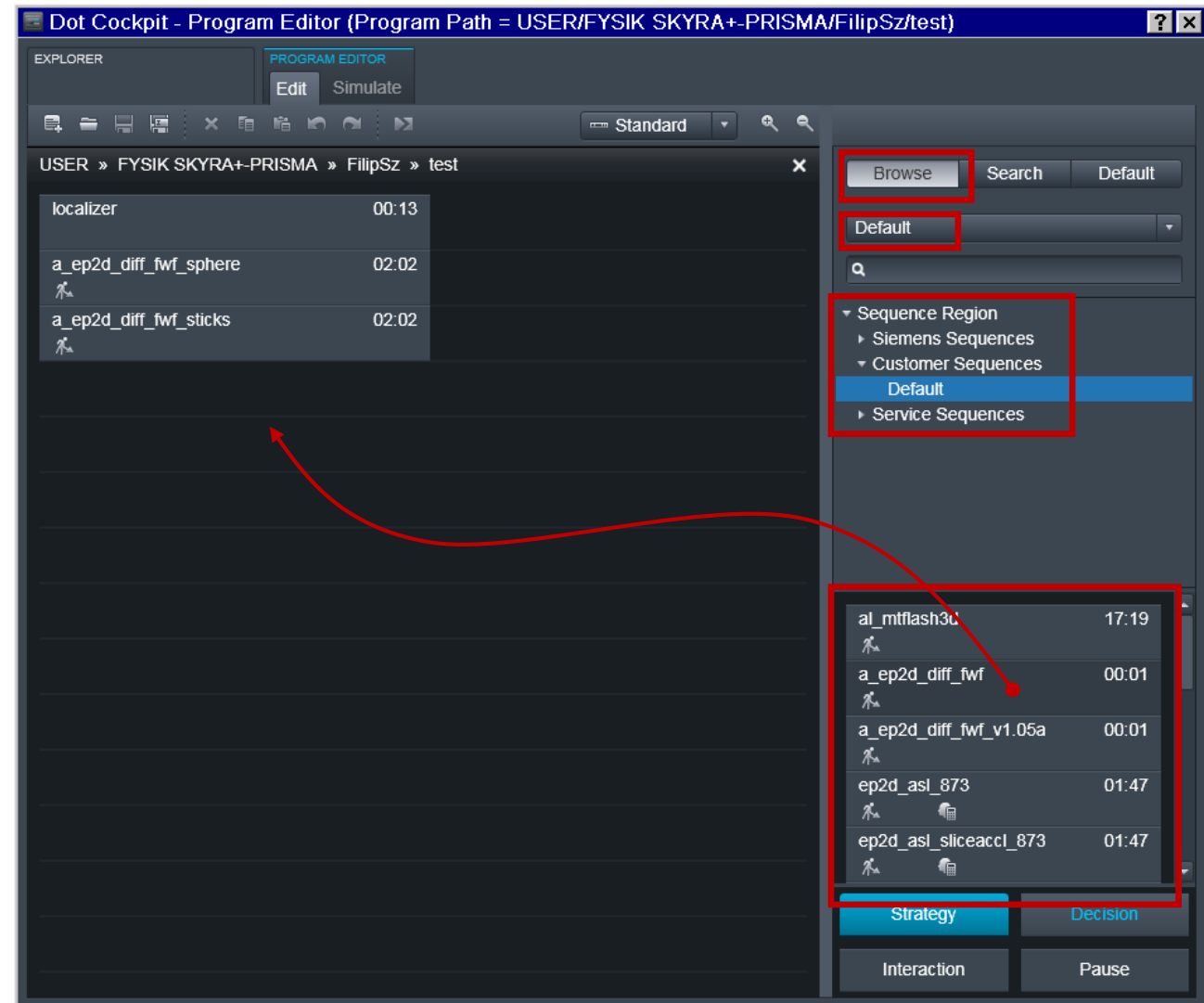
1. Navigate to an appropriate folder, and select it by clicking its name
 - We call this the "work folder"
2. Click the "Edit" button to enter the program editor

Tip: To insert sequences, you must be at the lowest level of the system tree. There are three levels. In the example these are: WORKSHOP MDM/Install Demo/Group1



Import the sequence from customer seq

1. Click the "Browse" tab
2. Select "Default" in drop down
3. In the list below, navigate to
 - Sequence Region
 - Customer Sequences
 - Default
4. The sequence appears in the list.
5. Drag-and-drop the appropriate sequence into the work folder
 - Only one object is moved this way, but both .dll and .so are installed by doing so.



Tip: If the sequence does not appear in the list, it may be compiled for the wrong software version.

The sequence is now imported!

- The imported exam card can now be used on the scanner
- Note that the standard settings are not meant to be used for actual imaging
- If you could not find the sequence in the previous step, it is possible that the sequence is incompatible with your system.