LCLS_Home_Screen
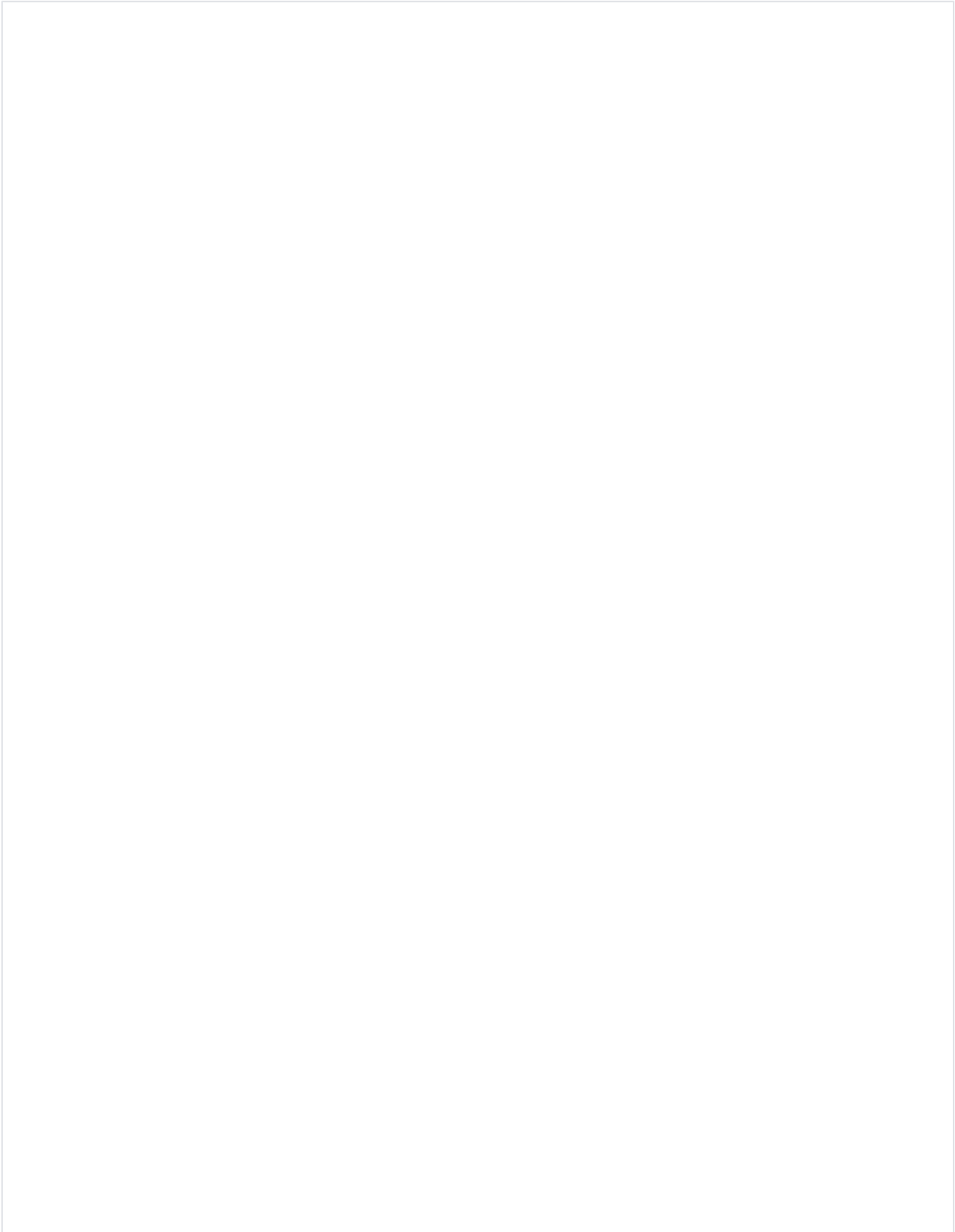
Adding Content to the LCLS Home Screen

This page provides instructions for adding content to the LCLS home screen.

The LCLS home screen is in CVS and checked out to $EDM/lcls. To load it, type "edm -x lcls_main".

If you would like to add your own content for a particular area and subsystem, please follow the directions printed below. If you would like to modify the top level home screen (lcls_main.edl) or the system-area browser file (lcls_systemarea.edl), please talk to Stephen Schuh or Stephen Norum first.

Adding Content to the "LCLS Subsystem and Area" screen

1. Determine the name of the file you need to edit:
(a) The easy way: Load the home screen, navigate to the page you want to edit, and look at the bottom right corner. The filename will be printed there.
(b) The hard way: Find the code for the relevant subsystem on this list:

Code	Label	Contents
gadc	BPM/Toro/FC/Blen	bpms, toroids, faraday cups, bunchlength monitors
fbck	Feedback	feedbacks
mgnt	Magnet	magnets
prof	Profile Monitors	yags, otrs
ws	Wire Scanners	wire scanners
mc	Collmatrs/Motion	collimators, movable beamlines, undulator movers
lasr	Laser	all laser stuff
rf	RF	llrf and klystron control
evnt	Event	event system (lcls timing system)
ntwk	Network	IOC power, network status, terminal servers
util	Watr/Pwr/Gas/Smok	water, power, gas lines, smoke alarms
vac	Vacuum	vacuum
temp	Temperature	temperature measurements
mps	MPS	MPS
pps	PPS	PPS
bcs	BCS	BCS

Select your area from the following list:
IN20 LI21 LI22 LI23 LI24 LI25 LI26 LI27 LI28 LI29 LI30 BSY1 LTU1 UND1 DMP1

The filename is: code_area_main.edl

2. Find and open the file. All these files are in CVS under tools/edm/displays/lcls; they're checked out to $EDM/lcls.

3. Make your changes. Template files are available to help with colors, spacing, layout, etc. One of the template files is a palette that makes it possible to copy and paste widgets to create EDM screens. The templates are in CVS under tools/edm/displays/templates; they're checked out to $EDM/templates. If you have questions about the templates or about style guidelines, please talk to me or Stephen Norum.

A note about related displays, images, and symbol files:
If you want to add displays that are not contained inside the system-area browser, please save those files in a separate directory and not in $EDM/lcls. Likewise, if you need to save images or symbol files, please store those outside of $EDM/lcls.
The names of these files should begin with an abbreviation describing the subsystem. For example, MPS images and other MPS display files are located in $EDM/mps/; all the filenames begin with "mps_".

4. Save your changes and commit to CVS.

Adding "Help" to the Subsystem and Area Screens

Each subsystem/area page has an associated help file that can be loaded by clicking the "Help..." button at the top right corner of the subsystem/area browser. This help file is an EDL file located in $EDM/lcls.

The filename of the help file is code_area_main_help.edl. For example, the injector magnet display is mgnt_in20_main.edl, and the associated help file is mgnt_in20_main_help.edl.