This new version of XPand for Amira 6.1.1 and Avizo 9.1.1 is a major evolution bringing many enhancements to improve your programming experience. The new version introduces a more homogeneous API, is better documented and will guarantee fewer compatibility breaks in the future. To reach this goal, the new version of XPand introduces some incompatible source changes. This document lists those changes. Although we tried to be as exhaustive as possible, some minor changes might be missing.

Previously some header files (not documented in the "XPand Reference Manual") were mixed in with the "public" header files. For example, the "HxResource.h" and "HxSceneManager.h" files were both in the "include\hxcore" folder. "HxResource.h" is a public and documented header, but "HxSceneManager.h" is not a public header and is not documented in the "XPand Reference Manual". To clarify which header files are public and which are internal, all internal header files have been moved to an internal folder. For example, "HxSceneManager.h" is now located in the "include\hxcore\internal" folder. "HxResource.h" is still located in "include\hxcore". You may continue to use internal header files in your existing application, but we do not guarantee compatibility and maintainability of these files in the future. We strongly recommend that you avoid using internal header files in any new development.

McString is now an internal header. We recommend that you use QString instead of McString in your sources.

Taglib tool has been desactivated, if you do not have cleaned your Amira or Avizo local directory, it is possible that you have a compilation error about an inclusion of "taglib\internal\version-impl.h". To solve this problem, remove the "version.cpp", "winversion.rc" and "internal\winversion.h" files in your Amira or Avizo local directory.

The usage of new and delete functions is now forbidden. Developer will have to use the new methods createInstance and deleteInstance added in MC_HEADER.

So instead of calling:

```c++
time = new HxTime();
```

you must call:

```c++
time = HxTime::createInstance();
```

And instead of calling:

```c++
delete time;
```

you must call:

```c++
time->deleteInstance();
```
Starting from now on you must always implement these new constructor and destructor otherwise your package will not link.

Here is an example of what is necessary when you use `MC_HEADER`:

**HxLattice3ToImageInterfaceFactory.h**

```cpp
class HxLattice3ToImageInterfaceFactory : HxInterfaceFactory
{
    MC_HEADER( HxLattice3ToImageInterfaceFactory );
};
```

**HxLattice3ToImageInterfaceFactory.cpp**

```cpp
MC_INIT_CLASS( HxLattice3ToImageInterfaceFactory, HxInterfaceFactory );
HxLattice3ToImageInterfaceFactory::HxLattice3ToImageInterfaceFactory()
{
}
HxLattice3ToImageInterfaceFactory::~HxLattice3ToImageInterfaceFactory()
{
}
```

Note that it is still possible to declare a public constructor with parameters but it is not recommended neither supported.

It is no more possible to create an `HxObject` on the stack since the destructor is protected. Hence, a pointer must be used. A McHandle can be used as a smart pointer to automatically delete the object at the end of the scope. So instead of:

```cpp
HxFlowCritical criticalPointFinder;
```

Use:

```cpp
McHandle<HxFlowCritical> criticalPointFinder = HxFlowCritical::createInstance();
```

All those new concepts and rules are valid for `HX_HEADER` and `MC_HEADER`. They do not apply on `MC_ABSTRACT_HEADER/HX_ABSTRACT_HEADER` since abstract classes cannot be instantiated.

**Changes to AmiraMesh (Package amiramesh)**

- The `AmiraMesh::nElements()` method is renamed to `AmiraMesh::getNumberOfElements()`.
- The `AmiraMesh::parameters` member variable is changed to protected and `AmiraMesh::getParameters()`, `AmiraMesh::setParameters()` accessor(s) (is/are) added.
» The AmiraMesh::locationList member variable is changed to protected and AmiraMesh::getLocationList(), AmiraMesh::setLocationList() accessor(s) (is/are) added.

» The AmiraMesh::dataList member variable is changed to protected and AmiraMesh::getDataList(), AmiraMesh::setDataList() accessor(s) (is/are) added.

» The AmiraMesh::setNElements() method is renamed to AmiraMesh::setNumberOfElements().

Changes to AmiraMesh::Data (Package amiramesh)

» The AmiraMesh::Data::name() method is renamed to AmiraMesh::Data::getName().

» The AmiraMesh::Data::location() method is renamed to AmiraMesh::Data::getLocation().

» The AmiraMesh::Data::primType() method is renamed to AmiraMesh::Data::getPrimitiveType().

» The AmiraMesh::Data::dim() method is renamed to AmiraMesh::Data::getDimension().

» The AmiraMesh::Data::dataPtr() method is renamed to AmiraMesh::Data::getDataPtr().

Changes to AmiraMesh::Field (Package amiramesh)

» The AmiraMesh::Field::name() method is renamed to AmiraMesh::Field::getName().

» The AmiraMesh::Field::dim() method is renamed to AmiraMesh::Field::getDimension().

» The AmiraMesh::Field::primType() method is renamed to AmiraMesh::Field::getPrimitiveType().

» The AmiraMesh::Field::methodId() method is renamed to AmiraMesh::Field::getMethodId().

» The AmiraMesh::Field::nData() method is renamed to AmiraMesh::Field::getNumberOfData().

» The AmiraMesh::Field::data() method is renamed to AmiraMesh::Field::getData().

Changes to AmiraMesh::Location (Package amiramesh)

» The AmiraMesh::Location::name() method is renamed to AmiraMesh::Location::getName().

» The AmiraMesh::Location::nDims() method is renamed to AmiraMesh::Location::getNumberOfDimensions().

» The AmiraMesh::Location::dims() method is renamed to AmiraMesh::Location::getDimensions().

» The AmiraMesh::Location::nNodes() method is renamed to AmiraMesh::Location::getNumberOfNodes().

Changes to HxParamBase (Package amiramesh)

» The HxParamBase::parent() method is renamed to HxParamBase::getParent().

» The HxParamBase::name() method is renamed to HxParamBase::getName().

» The HxParamBase::flag() method is renamed to HxParamBase::getFlag().
The HxParamBase::fontStyleFlag() method is renamed to HxParamBase::getFontStyleFlag.

The HxParamBase::editCheck() method is renamed to HxParamBase::getEditCheck.

Changes to HxParamBundle (Package amiramesh)

- The HxParamBundle::size() method is renamed to HxParamBundle::getSize.
- The HxParamBundle::nBundles() method is renamed to HxParamBundle::getNumberOfBundles.
- The HxParamBundle::bundle() method is renamed to HxParamBundle::getBundle.
- The HxParamBundle::materials() method is renamed to HxParamBundle::getMaterials.
- The HxParamBundle::boundaryIds() method is renamed to HxParamBundle::getBoundaryIds.
- The HxParamBundle::index() method is renamed to HxParamBundle::getIndex.

Changes to HxParameter (Package amiramesh)

- The HxParameter::primType() method is renamed to HxParameter::getPrimitiveType.
- The HxParameter::data() method is renamed to HxParameter::getData.
- The HxParameter::dim() method is renamed to HxParameter::getDimension.

Changes to HxColormap (Package hxcolor)

- The HxColormap::operator= method is removed.
- The HxColormap::pixmap member variable is renamed to HxColormap::m_pixmap.
- The HxColormap::operator== method is removed.
- The HxColormap::theMax member variable is removed.
- The HxColormap::theMin member variable is removed.
- The HxColormap::theScale member variable is removed.
- The HxColormap::getPixmapHeight() method is removed.
- The HxColormap::getPixmapWidth() method is removed.
- The HxColormap::s_pixmapHeight member variable is renamed to HxColormap::PIXMAP_HEIGHT.
- The HxColormap::s_pixmapWidth member variable is renamed to HxColormap::PIXMAP_WIDTH.
- The HxColormap::getColor1() virtual method is removed.
- The HxColormap::getRGBA1() virtual method signature is changed to use void getRGBA1 (float u, float res[4]) const instead of virtual void getRGBA1 (float u, float res[4]) const.
- The HxColormap::setGrayScaleFlag() method is removed.
Changes to HxColormap256 (Package hxcolor)

» The HxColormap256::HxColormap256() method signature is changed to use HxColormap256() instead of HxColormap256 (int size=256).

» The HxColormap256::interpolate member variable is removed.

» The HxColormap256::OUT_OF_BOUNDS_BEHAVIOR_DEFAULT enum is renamed to HxColormap256::DEFAULT_CLAMP.

» The HxColormap256::OUT_OF_BOUNDS_BEHAVIOR_CYCLE_RIGHT enum is renamed to HxColormap256::CYCLE_AFTER_MAX.

» The HxColormap256::OUT_OF_BOUNDS_BEHAVIOR_CYCLE_LEFT enum is renamed to HxColormap256::CYCLE_BEFORE_MIN.

» The HxColormap256::rgba member variable is renamed to HxColormap256::m_rgba.

» The HxColormap256::getLength() method is renamed to HxColormap256::getSize().

» The HxColormap256::size member variable is renamed to HxColormap256::m_size.

» The HxColormap256::OutOfBoundsBehavior member variable is removed.

» The HxColormap256::getColor1() virtual method is removed.

» The HxColormap256::getChannel1() virtual method is removed.

» The HxColormap256::getPackedColor1() virtual method is removed.

» The HxColormap256::getRGBA1() virtual method is removed.

» The HxColormap256::setGrayScaleFlag() virtual method is renamed to HxColormap256::updateGrayScaleFlag().

» The HxColormap256::setMinMax() method signature is changed to use void setMinMax (float xmin, float xmax, bool forceUpdate) instead of void setMinMax (float min, float max).

Changes to HxColormapGradient (Package hxcolor)

» The HxColormapGradient::getAlpha() virtual method is removed.

» The HxColormapGradient::getRGBA1() virtual method is removed.

Changes to HxEditMinMax (Package hxcolor)

» The HxEditMinMax::colorbar member variable is removed.

» The HxEditMinMax::maxText member variable is removed.

» The HxEditMinMax::minText member variable is removed.

» The HxEditMinMax::m_enabled member variable is removed.

» The HxEditMinMax::max member variable is removed.
» The HxEditMinMax::min member variable is removed.
» The HxEditMinMax::createWidget virtual method is removed.
» The HxEditMinMax::guiCallback virtual method is removed.

Changes to HxPortColormap (Package hxcolor)

» The HxPortColormap::HxPortColormap() method signature is changed to use boolean type instead of integer type.
» The HxPortColormap::commonInit() method signature is changed to use boolean type instead of integer type.
» The HxPortColormap::isTransparent() method signature is changed to return boolean type instead of integer type.
» The HxPortColormap::getState() virtual method signature is changed to use QString type instead of McString type.
» The HxPortColormap::connect() virtual method signature is changed to return boolean type instead of integer type.
» The HxPortColormap::hasAlphaToggle member variable is changed to private and HxPortColormap::hasAlphaToggle() accessor(s) (is/are) added.
» The HxPortColormap::colormap member variable is removed.
» The HxPortColormap::m_autoAdjustRangeReferringConnection member variable is removed.
» The HxPortColormap::rangeHelper member variable is removed.
» The HxPortColormap::m_newFlags member variable is removed.
» The HxPortColormap::bufferedHistogramEntries member variable is removed.
» The HxPortColormap::adjustToCMapAction member variable is removed.
» The HxPortColormap::adjustToHistoAction member variable is removed.
» The HxPortColormap::autoAdjustRangeAction member variable is removed.
» The HxPortColormap::constantAction member variable is removed.
» The HxPortColormap::editColorAction member variable is removed.
» The HxPortColormap::editColormapAction member variable is removed.
» The HxPortColormap::loadColormapAction member variable is removed.
» The HxPortColormap::localRangeAction member variable is removed.
» The HxPortColormap::noColormapAction member variable is removed.
» The HxPortColormap::transparentAction member variable is removed.
» The HxPortColormap::colormapGroup member variable is removed.
The HxPortColormap::rangeToggle member variable is removed.

The HxPortColormap::m_histogramBackgroundUpdater member variable is removed.

The HxPortColormap::m_rangeUpdater member variable is removed.

The HxPortColormap::defaultColor member variable is removed.

The HxPortColormap::hasRangeToggle member variable is removed.

The HxPortColormap::m_adjustRangeEnabled member variable is removed.

The HxPortColormap::m_autoAdjustRangeEnabled member variable is removed.

The HxPortColormap::m_colorbarHasBufferedMinMax member variable is removed.

The HxPortColormap::m_constColorEnabled member variable is removed.

The HxPortColormap::m_discrete member variable is removed.

The HxPortColormap::m_forceMinMaxSensitivity member variable is removed.

The HxPortColormap::m_inAutoAdjustRangeMode member variable is removed.

The HxPortColormap::m_initOnDataRange member variable is removed.

The HxPortColormap::m_isLocalMinMaxForced member variable is removed.

The HxPortColormap::m_isLocalRangeInitialized member variable is removed.

The HxPortColormap::m_useHeuristics member variable is removed.

The HxPortColormap::useAlpha member variable is removed.

The HxPortColormap::useLocalRange member variable is removed.

The HxPortColormap::wasColorChooserOpen member variable is removed.

The HxPortColormap::defaultAlpha member variable is removed.

The HxPortColormap::localMax member variable is removed.

The HxPortColormap::localMin member variable is removed.

The HxPortColormap::localScale member variable is removed.

The HxPortColormap::m_colorbarBufferedMax member variable is removed.

The HxPortColormap::m_colorbarBufferedMin member variable is removed.

The HxPortColormap::m_localMaxToRestore member variable is removed.

The HxPortColormap::m_localMinToRestore member variable is removed.

The HxPortColormap::s_initOnDataRangePreferenceCb member variable is removed.

The HxPortColormap::createMenu() method is removed.

The HxPortColormap::colorEditCBS() method is removed.
The HxPortColormap::isCurrentColormapEditable() method is removed.

The HxPortColormap::guiCallback() method is removed.

The HxPortColormap::addConstantColorAction() method is removed.

The HxPortColormap::colorEditCB() method is removed.

The HxPortColormap::commonInit() method is removed.

The HxPortColormap::configureAndShowColorEditor() method is removed.

The HxPortColormap::initializeLocalRangeIfNecessary() method is removed.

The HxPortColormap::popupMenu() method is removed.

The HxPortColormap::restoreLocalMinMax() method is removed.

The HxPortColormap::saveLocalMinMax() method is removed.

The HxPortColormap::setColormap() method is removed.

The HxPortColormap::showColormap() method is removed.

The HxPortColormap::updateColormap() method is removed.

The HxPortColormap::updateColormapsMenu() method is removed.

Changes to HxPortSharedColormap (Package hxcolor)

The HxPortSharedColormap::HxPortSharedColormap() method signature is changed to use boolean type instead of integer type.

The HxPortSharedColormap::connect() virtual method signature is changed to return boolean type instead of integer type.

The HxPortSharedColormap::m_isEnabled member variable is removed.

The HxPortSharedColormap::commonInit() method is removed.

Changes to HxMain (Package hxcommon)

The HxMain::fileSaveData() method signature is changed to return boolean type instead of integer type.

The HxMain::fileSaveDataAs() method signature is changed to return boolean type instead of integer type.

The HxMain::fileExportDataAs() method signature is changed to return boolean type instead of integer type.

The HxMain::m_panelColormapEditor member variable is removed.

The HxMain::m_panelConsole member variable is removed.

The HxMain::m_panelHelpBrowser member variable is removed.
» The HxMain::m_panelMain member variable is removed.
» The HxMain::m_panelPropertiesArea member variable is removed.
» The HxMain::m_panelTables member variable is removed.
» The HxMain::createLightAction member variable is removed.
» The HxMain::exportDataAsAction member variable is removed.
» The HxMain::exportProjectAsToGoAction member variable is removed.
» The HxMain::extraViewerAction member variable is removed.
» The HxMain::fogFogAction member variable is removed.
» The HxMain::fogHazeAction member variable is removed.
» The HxMain::fogNoneAction member variable is removed.
» The HxMain::fogSmokeAction member variable is removed.
» The HxMain::fourViewersAction member variable is removed.
» The HxMain::frameCounterAction member variable is removed.
» The HxMain::helpAboutAction member variable is removed.
» The HxMain::helpAvailableExtensionsAction member variable is removed.
» The HxMain::helpExamplesAction member variable is removed.
» The HxMain::helpLicenseAction member variable is removed.
» The HxMain::helpOnlineSupportAction member variable is removed.
» The HxMain::helpSystemInfoAction member variable is removed.
» The HxMain::helpUsersGuideAction member variable is removed.
» The HxMain::hideAllLightIconsAction member variable is removed.
» The HxMain::m_graphViewAction member variable is removed.
» The HxMain::m_treeViewAction member variable is removed.
» The HxMain::measureToolsAction member variable is removed.
» The HxMain::newProjectAction member variable is removed.
» The HxMain::oneViewerAction member variable is removed.
» The HxMain::openDataAction member variable is removed.
» The HxMain::openProjectAction member variable is removed.
» The HxMain::preferencesAction member variable is removed.
» The HxMain::quitAction member variable is removed.
» The HxMain::resetLightAction member variable is removed.
» The HxMain::saveDataAction member variable is removed.
» The HxMain::saveDataAsAction member variable is removed.
» The HxMain::saveProjectAction member variable is removed.
» The HxMain::saveProjectAsAction member variable is removed.
» The HxMain::shadowingAction member variable is removed.
» The HxMain::showAllLightIconsAction member variable is removed.
» The HxMain::stereoPreferencesAction member variable is removed.
» The HxMain::toggleHeadlightAction member variable is removed.
» The HxMain::transparencyAddAction member variable is removed.
» The HxMain::transparencyBlendAction member variable is removed.
» The HxMain::transparencyDelayedAddAction member variable is removed.
» The HxMain::transparencyDelayedBlendAction member variable is removed.
» The HxMain::transparencyDelayedSortedLayerBlendAction member variable is removed.
» The HxMain::transparencyScreenDoorAction member variable is removed.
» The HxMain::transparencySortedLayerBlendAction member variable is removed.
» The HxMain::transparencySortedObjectAddAction member variable is removed.
» The HxMain::transparencySortedObjectBlendAction member variable is removed.
» The HxMain::twoHorizontalViewersAction member variable is removed.
» The HxMain::twoVerticalViewersAction member variable is removed.
» The HxMain::viewAxisAction member variable is removed.
» The HxMain::m_propertiesFrame member variable is removed.
» The HxMain::wCentralWidget member variable is removed.
» The HxMain::editMenu member variable is removed.
» The HxMain::fileMenu member variable is removed.
» The HxMain::layoutPopup member variable is removed.
» The HxMain::lightPopup member variable is removed.
» The HxMain::stereoPopup member variable is removed.
» The HxMain::toolbarMenu member variable is removed.
» The HxMain::transparencyPopup member variable is removed.
» The HxMain::viewMenu member variable is removed.
» The HxMain::windowMenu member variable is removed.
» The HxMain::xpandMenu member variable is removed.
» The HxMain::m_panelsToolBar member variable is removed.
» The HxMain::m_workroomToolBar member variable is removed.
» The HxMain::standardToolBar member variable is removed.
» The HxMain::m_consoleToggleButton member variable is removed.
» The HxMain::m_panelsButton member variable is removed.
» The HxMain::m_centralWidgetLayout member variable is removed.
» The HxMain::wApplyStopArea member variable is removed.
» The HxMain::wObjectPoolGuiContainer member variable is removed.
» The HxMain::recentFilesPopup member variable is removed.
» The HxMain::recentProjectsPopup member variable is removed.
» The HxMain::wPoolTab member variable is removed.
» The HxMain::wTreeViewContainer member variable is removed.
» The HxMain::wWorkArea member variable is removed.
» The HxMain::m_autoAdjustRangeForColormaps member variable is removed.
» The HxMain::m_inTreeViewMode member variable is removed.
» The HxMain::m_isManagingCloseEvent member variable is removed.
» The HxMain::m_resizeActionFromSplitterInitiated member variable is removed.
» The HxMain::m_shouldUpdateProjectName member variable is removed.
» The HxMain::m_showPoolSwitchButton member variable is removed.
» The HxMain::m_showTabelsPanelByDefault member variable is removed.
» The HxMain::m_animationProducer member variable is removed.
» The HxMain::m_autoRedrawState member variable is removed.
» The HxMain::_theMain member variable is removed.
» The HxMain::s_restorePoint member variable is renamed to HxMain::m_restorePoint.
» The HxMain::m_tbbTaskSchedulerInit member variable is removed.
» The HxMain::clearRecentFiles() method is removed.
» The HxMain::createGUI() method is removed.
» The HxMain::demoDialog() method is removed.
» The HxMain::isManagingCloseEvent() method is removed.

Changes to HxPanelHelpBrowser (Package hxcommon)

» The HxPanelHelpBrowser::load() virtual method signature is changed to use QString type instead of McString type.
» The HxPanelHelpBrowser::source() virtual method is renamed to HxPanelHelpBrowser::getSource().
» The HxPanelHelpBrowser::setText() virtual method signature is changed to use QString type instead of McString type.
» The HxPanelHelpBrowser::find() virtual method signature is changed to use QString type instead of McString type.

Changes to HxMultiRangeHelper (Package hxcore)

» The HxMultiRangeHelper::autoAdjustRangeGuid member variable type is changed to use QString instead of McString.

Changes to Hx3DWandBase (Package hxcore)

» The Hx3DWandBase::_sceneOrientation member variable is renamed to Hx3DWandBase::m_sceneOrientation.
» The Hx3DWandBase::_vrOrientation member variable is renamed to Hx3DWandBase::m_vrOrientation.
» The Hx3DWandBase::_sceneOrigin member variable is renamed to Hx3DWandBase::m_sceneOrigin.
» The Hx3DWandBase::_sceneTop member variable is renamed to Hx3DWandBase::m_sceneTop.
» The Hx3DWandBase::_vrOrigin member variable is renamed to Hx3DWandBase::m_vrOrigin.
» The Hx3DWandBase::_vrTop member variable is renamed to Hx3DWandBase::m_vrTop.
» The Hx3DWandBase::hotSpot member variable is renamed to Hx3DWandBase::m_hotSpot.
» The Hx3DWandBase::getButton() method signature is changed to use integer type instead of unsigned int type.
» The Hx3DWandBase::wasButtonPressed() method signature is changed to use integer type instead of unsigned int type.
» The Hx3DWandBase::wasButtonReleased() method signature is changed to use integer type instead of unsigned int type.
» The Hx3DWandBase::sceneToVRTransform member variable is renamed to Hx3DWandBase::m_sceneToVRTransform.
» The Hx3DWandBase::vrToSceneTransform member variable is renamed to Hx3DWandBase::m_vrToSceneTransform.
The Hx3DWandBase::_sceneLength member variable is renamed to Hx3DWandBase::m_sceneLength.

The Hx3DWandBase::_vrLength member variable is renamed to Hx3DWandBase::m_vrLength.

The Hx3DWandBase::wandScale member variable is renamed to Hx3DWandBase::m_wandScale.

The Hx3DWandBase::buttonStatus member variable is renamed to Hx3DWandBase::m_buttonStatus.

The Hx3DWandBase::lastButtonStatus member variable is renamed to Hx3DWandBase::m_lastButtonStatus.

The Hx3DWandBase::createDefaultWand() method signature is changed to use integer type instead of unsigned int type.

The Hx3DWandBase::update() virtual method signature is changed to use integer type instead of unsigned int type.

Changes to HxBase (Package hxcore)

The HxBase::theLabel member variable type is changed to use QString instead of McString.

The HxBase::theLabelCamelCase member variable type is changed to use QString instead of McString.

The HxBase::theLabelWithDoubleQuotes member variable type is changed to use QString instead of McString.

The HxBase::getLabel() method signature is changed to use QString type instead of McString type.

The HxBase::setLabel() virtual method signature is changed to use QString type instead of char* type.

The HxBase::convertToCamelCase() method signature is changed to use QString type instead of McString type.

The HxBase::getCamelCaseLabel() method signature is changed to use QString type instead of McString type.

The HxBase::getTclMemberVar() method signature is changed to use QString type instead of McString type.

The HxBase::callTclMemberFunction() method signature is changed to use QString type instead of McString type.

The HxBase::setResultName() method signature is changed to use QString type instead of McString type.

The HxBase::composeLabel() method signature is changed to use QString type instead of McString type.

Changes to HxBatchModule (Package hxcore)

The HxBatchModule::isRunning() method signature is changed to use boolean type instead of integer type.

The HxBatchModule::batchEntry() method is removed.

The HxBatchModule::batchExit() method is removed.
Changes to HxBatchModule (Package hxcore)

» The HxBatchModule::sigId member variable is removed.

Changes to HxCameraPath (Package hxcore)

» The HxCameraPath::getAngle() method is removed.

Changes to HxCommonCore (Package hxcore)

» The HxCommonCore::main() method signature is changed to use QString type instead of McString type.
» The HxCommonCore::s_callstack member variable is removed.
» The HxCommonCore::s_safeExit member variable is removed.
» The HxCommonCore::s_errorExitCallbacks member variable is removed.

Changes to HxConnection (Package hxcore)

» The HxConnection::source() method is renamed to HxConnection::getSource().
» The HxConnection::isEditable() method signature is changed to return boolean type instead of integer type.
» The HxConnection::allowEditing() method signature is changed to use boolean type instead of integer type.
» The HxConnection::setTightness() method signature is changed to use boolean type instead of integer type.
» The HxConnection::editable member variable type is changed to use boolean instead of integer.
» The HxConnection::tight member variable type is changed to use boolean instead of integer.
» The HxConnection::connect() virtual method signature is changed to return boolean type instead of integer type.
» The HxConnection::setState() virtual method signature is changed to use QString type instead of McString type.
» The HxConnection::getState() virtual method signature is changed to use QString type instead of McString type.

Changes to HxController (Package hxcore)

» The HxController::spaceball member variable is changed to protected and HxController::getSpaceball(), HxController::setSpaceball() accessor(s) (is/are) added.
» The HxController::spaceballMode member variable is changed to protected and HxController::getSpaceballMode(), HxController::setSpaceballMode() accessor(s) (is/are) added.
» The HxController::fullscreenFlag member variable is changed to protected and HxController::getFullScreenFlag(), HxController::setFullScreenFlag() accessor(s) (is/are) added.
» The HxController::noOverlays member variable is changed to protected and
HxController::getNoOverlays(), HxController::setNoOverlays() accessor(s) (is/are) added.
» The HxController::noStencils member variable is changed to protected and
HxController::getNoStencils(), HxController::setNoStencils() accessor(s) (is/are) added.

» The HxController::defaultDepthSize member variable is changed to protected and
HxController::getDefaultDepthSize(), HxController::setDefaultDepthSize() accessor(s) (is/are) added.

» The HxController::isInteractionDone member variable is changed to protected and
HxController::isInteractionDone(), HxController::setInteractionDone() accessor(s) (is/are) added.

» The HxController::fogRange member variable is changed to protected and HxController::getFogRange() accessor(s) (is/are) added.

» The HxController::isViewerVisible() method signature is changed to return boolean type instead of integer type.

» The HxController::setSmoothing() method signature is changed to use boolean type instead of integer type.

» The HxController::getDefaultFlag() method is renamed to HxController::isFullScreenFlag().

» The HxController::setFullScreenFlag() method signature is changed to use boolean type instead of integer type.

Changes to HxData (Package hxcore)

» The HxD ata::registerData() method signature is changed to use static void registerData(HxData* newData, const QString& filename) instead of static void registerData (HxData *newData, const QString &filename, const char *ext=NULL).

» The HxData::saveInfo member variable is changed to protected and HxData::getSaveInfo(),
HxData::setSaveInfo() accessor(s) (is/are) added.

» The HxData::touchTime member variable is renamed to HxData::m_touchTime.

» The HxData::newFlag member variable is renamed to HxData::m_newFlag.

» The HxData::setLoadCmd() method signature is changed to use boolean type instead of integer type.

Changes to HxEditor (Package hxcore)

» The HxEditor::typeCheck() virtual method signature is changed to return boolean type instead of integer type.

Changes to HxFileDialog (Package hxcore)

» The HxFileDialog::_theFileDialog member variable is renamed to HxFileDialog::m_theFileDialog.

Changes to HxFileFormat (Package hxcore)

» The HxFileFormat::enumerate() method signature is changed to use QString type instead of McString type.
The HxFileFormat::checkHeader() method signature is changed to return boolean type instead of integer type.

The HxFileFormat::checkFilename() method signature is changed to return boolean type instead of integer type.

The HxFileFormat::exportProject() method signature is changed to return boolean type instead of integer type.

The HxFileFormat::loadPartOfFile() method signature is changed to return boolean type instead of integer type.

The HxFileFormat::canSave() method signature is changed to return boolean type instead of integer type.

The HxFileFormat::save() method signature is changed to return boolean type instead of integer type.

The HxFileFormat::isLoad() method signature is changed to return boolean type instead of integer type.

The HxFileFormat::isSave() method signature is changed to return boolean type instead of integer type.

The HxFileFormat::isExport() method signature is changed to return boolean type instead of integer type.

The HxFileFormat::isMultiSave() method signature is changed to return boolean type instead of integer type.

The HxFileFormat::extensionData member variable is renamed to HxFileFormat::m_extensionData.

The HxFileFormat::m_ldaCheckCB member variable type is changed to use QString instead of McString.

The HxFileFormat::m_lddCheckCB member variable type is changed to use QString instead of McString.

The HxFileFormat::saveTypes member variable is renamed to HxFileFormat::m_saveTypes.

The HxFileFormat::suffices member variable is renamed to HxFileFormat::m_suffices.

The HxFileFormat::filenameRegEx member variable is renamed to HxFileFormat::m_filenameRegEx.

The HxFileFormat::headerRegEx member variable is renamed to HxFileFormat::m_headerRegEx.

The HxFileFormat::LDAConvertible member variable is renamed to HxFileFormat::m_LDAConvertible.

The HxFileFormat::LDDConvertible member variable is renamed to HxFileFormat::m_LDDConvertible.

The HxFileFormat::hiddenInFileFormatSelection member variable is renamed to HxFileFormat::m_hiddenInFileFormatSelection.

The HxFileFormat::isRaw member variable is renamed to HxFileFormat::m_isRaw.

The HxFileFormat::check member variable is renamed to HxFileFormat::m_check.

The HxFileFormat::exportFunctionName member variable is renamed to HxFileFormat::m_exportFunctionName.
The HxFileFormat::label member variable is renamed to HxFileFormat::m_label.

The HxFileFormat::loadFunctionName member variable is renamed to HxFileFormat::m_loadFunctionName.

The HxFileFormat::option member variable is renamed to HxFileFormat::m_option.

The HxFileFormat::saveFunctionName member variable is renamed to HxFileFormat::m_saveFunctionName.

The HxFileFormat::sharedObjectName member variable is renamed to HxFileFormat::m_sharedObjectName.

The HxFileFormat::setAutomaticallyFunction() method signature is changed to return boolean type instead of integer type.

The HxFileFormat::multiLoad member variable is removed.

The HxFileFormat::multiSave member variable is removed.

The HxFileFormat::qstringLoad member variable is removed.

Changes to HxFilenameTranslator (Package hxcore)

The HxFilenameTranslator::HxFilenameTranslator() method signature is changed to use QString type instead of McString type.

The HxFilenameTranslator::translateFilename() virtual method signature is changed to use QString type instead of McString type.

The HxFilenameTranslator::setOptions() virtual method signature is changed to use QString type instead of McString type.

The HxFilenameTranslator::getOptions() method signature is changed to use QString type instead of McString type.

The HxFilenameTranslator::m_options member variable type is changed to use QString instead of McString.

Changes to HxHTML (Package hxcore)

The HxHTML::load() virtual method signature is changed to use QString type instead of McString type.

The HxHTML::setText() virtual method signature is changed to use QString type instead of McString type.

The HxHTML::find() virtual method signature is changed to use QString type instead of McString type.

The HxHTML::source() virtual method is renamed to HxHTML::getSource().

The HxHTML::wBrowser member variable is renamed to HxHTML::m_wBrowser.

Changes to HxInterpreter (Package hxcore)

The HxInterpreter::eval() virtual method signature is changed to use QString type instead of McString type.
type.

» The `HxInterpreter::functionKeyHit()` method signature is changed to return boolean type instead of integer type.

» The `HxInterpreter::openAmiraSocket()` method is renamed to `HxInterpreter::openSocket()`.

» The `HxInterpreter::closeAmiraSocket()` method is renamed to `HxInterpreter::closeSocket()`.

» The `HxInterpreter::portAmiraSocket()` method is renamed to `HxInterpreter::portSocket()`.

» The `HxInterpreter::getAvizoCompatibility()` method is renamed to `HxInterpreter::getCompatibilityVersion()`.

» The `HxInterpreter::setAvizoCompatibility()` method is renamed to `HxInterpreter::setCompatibilityVersion()`.

» The `HxInterpreter::httpd` member variable is renamed to `HxInterpreter::m_httpd`.

» The `HxInterpreter::amiraSocket` member variable is renamed to `HxInterpreter::m_socket`.

» The `HxInterpreter::amiraSocketNotifier` member variable is renamed to `HxInterpreter::m_socketNotifier`.

» The `HxInterpreter::httpdSocketNotifier` member variable is renamed to `HxInterpreter::m_httpdSocketNotifier`.

» The `HxInterpreter::mNotifier` member variable is renamed to `HxInterpreter::m_mNotifier`.

» The `HxInterpreter::inter` member variable is renamed to `HxInterpreter::m_inter`.

» The `HxInterpreter::m_avizoCompatibility` member variable is renamed to `HxInterpreter::m_compatiblityVersion`.

Changes to `HxMasterConnection` (Package `hxcore`)

» The `HxMasterConnection::getResultSlotName()` method signature is changed to return boolean type instead of integer type.

» The `HxMasterConnection::connect()` virtual method signature is changed to return boolean type instead of integer type.

» The `HxMasterConnection::getState()` virtual method signature is changed to use `QString` type instead of `McString` type.

» The `HxMasterConnection::setState()` virtual method signature is changed to use `QString` type instead of `McString` type.

Changes to `HxMatDataBase` (Package `hxcore`)

» The `HxMatDataBase::saveAmiraMesh()` method signature is changed to return boolean type instead of integer type.

» The `HxMatDataBase::setDefaultDatabase()` method signature is changed to return boolean type instead of integer type.
The HxMatDataBase::parameters member variable is changed to protected and HxMatDataBase::getParameters() accessor(s) (is/are) added.

Changes to HxMessage (Package hxcore)

- The HxMessage::Info() method is renamed to HxMessage::info().
- The HxMessage::Overwrite() method is renamed to HxMessage::overwrite().

Changes to HxModule (Package hxcore)

- The HxModule::gatherPickInfo() method signature is changed to use QString type instead of McString type.
- The HxModule::autoConnect() virtual method signature is changed to return boolean type instead of integer type.

Changes to HxMultiRangeHelper (Package hxcore)

- The HxMultiRangeHelper::autoAdjustRangeGuid() method signature is changed to use QString type instead of McString type.

Changes to HxObject (Package hxcore)

- The HxObject::downStreamConnections member variable is changed to protected and HxObject::getDownStreamConnections(), HxObject::addDownStreamConnections(), HxObject::removeAtDownStreamConnections(), HxObject::removeAllDownStreamConnections() accessor(s) (is/are) added.
- The HxObject::connectionPorts member variable is changed to protected and HxObject::getConnectionPorts(), HxObject::addConnectionPorts(), HxObject::removeAtConnectionPorts(), HxObject::removeAllConnectionPorts() accessor(s) (is/are) added.
- The HxObject::pin() method is renamed to HxObject::setPinned().
- The HxObject::canCreateData() virtual method signature is changed to use QString type instead of McString type.
- The HxObject::getPackage() method signature is changed to use QString type instead of McString type.
- The HxObject::getHelpHint() method signature is changed to use QString type instead of McString type.
- The HxObject::getState() virtual method signature is changed to return boolean type instead of integer type.
- The HxObject::autoConnect() virtual method signature is changed to return boolean type instead of integer type.
- The HxObject::interfaceWidget() method signature is changed to return boolean type instead of integer type.
- The HxObject::connect() virtual method signature is changed to return boolean type instead of integer type.
» The HxObject::createDocFiles() method signature is changed to use boolean type instead of integer type.

» The HxObject::setLabel() virtual method signature is changed to use QString type instead of char* type.

» The HxObject::firePass1() method is removed.

» The HxObject::parseCreateDocFilesCmd() method is removed.

» The HxObject::int hasGeometry() method is removed.

» The HxObject::editorInfo member variable is removed.

Changes to HxObjectPool (Package hxcore)

» The HxObjectPool::saveData() method signature is changed to return boolean type instead of integer type.

» The HxObjectPool::inDuplicateMode() method is renamed to HxObjectPool::isDuplicateModeEnabled().

» The HxObjectPool::replaceObject() method signature is changed to return boolean type instead of integer type.

» The HxObjectPool::saveNetwork() method signature is changed to return boolean type instead of integer type.

» The HxObjectPool::saveData() method signature is changed to return boolean type instead of integer type.

» The HxObjectPool::exportNetwork() method signature is changed to return boolean type instead of integer type.

» The HxObjectPool::copyCutPasteEnabled() method is renamed to HxObjectPool::isCopyCutPasteEnabled().

» The HxObjectPool::notifyRename() method signature is changed to use QString type instead of McString type.

» The HxObjectPool::findObject() method signature is changed to use QString type instead of char* type.

» The HxObjectPool::copyList() method is removed.

» The HxObjectPool::nodeList() method is changed to private and HxObjectPool::getNodeList() accessor(s) (is/are) added.

» The HxObjectPool::selectionList() method is changed to private and HxObjectPool::getSelectionList() accessor(s) (is/are) added.

» The HxObjectPool::visibleList() method is changed to private and HxObjectPool::getVisibleList() accessor(s) (is/are) added.

» The HxObjectPool::cutObjectsSavedCommands member variable is removed.

» The HxObjectPool::viewerTogglesOnIcons member variable is changed to private and HxObjectPool::isViewerTogglesOnIcons() accessor(s) (is/are) added.
» The HxObjectPool::getNetworkName() method signature is changed to return QString type instead of McFilename type.

» The HxObjectPool::m_copyCutPasteEnabled member variable is removed.

» The HxObjectPool::cutInProgress member variable is removed.

» The HxObjectPool::executeDuplicationCommands() method signature is changed to return boolean type instead of integer type.

» The HxObjectPool::hideNewModules member variable is changed to private and HxObjectPool::setHideNewModules() accessor(s) (is/are) added.

» The HxObjectPool::redrawInhibit member variable is changed to private and HxObjectPool::decreaseRedrawInhibit(), HxObjectPool::decreaseRedrawInhibit() accessor(s) (is/are) added.

» The HxObjectPool::setNetworkName() method signature is changed to use QString type instead of McFilename type.

» The HxObjectPool::saveState() method signature is changed to use QString type instead of McString type.

» The HxObjectPool::getHideNewModules() method is renamed to HxObjectPool::isHideNewModules().

Changes to HxPlanarModBase (Package hxcore)

» The HxPlanarModBase::planeIsNew() method signature is changed to return boolean type instead of integer type.

» The HxPlanarModBase::resetPlaneAtDataConnection() virtual method is renamed to HxPlanarModBase::setResetPlaneAtDataConnection().

» The HxPlanarModBase::isFirst() method signature is changed to return boolean type instead of integer type.

» The HxPlanarModBase::clampToBoundingBox() method is renamed to HxPlanarModBase::getClampToBoundingBox().

» The HxPlanarModBase::puVec member variable is renamed to HxPlanarModBase::m_puVec.

» The HxPlanarModBase::pvVec member variable is renamed to HxPlanarModBase::m_pvVec.

» The HxPlanarModBase::isClipping() method signature is changed to return boolean type instead of integer type.

Changes to HxPort (Package hxcore)

» The HxPort::name() method is renamed to HxPort::getName().

» The HxPort::object() method is renamed to HxPort::getObject().

» The HxPort::owner() method is renamed to HxPort::getOwner().

» The HxPort::setPin() method is renamed to HxPort::setPinned().
The HxPort::getPin() method is renamed to HxPort::isPinned().

The HxPort::getState() virtual method signature is changed to use QString type instead of McString type.

The HxPort::setState() virtual method signature is changed to use QString type instead of McString type.

The HxPort::getShortState() method signature is changed to use QString type instead of McString type.

The HxPort::isLinkingPortActionInProgress member variable is renamed to HxPort::m_linkingPortActionInProgress.

The HxPort::isLinkingPortActionInProgress member variable is changed to protected and HxPort::isLinkingPortActionInProgress(), HxPort::setLinkingPortActionInProgress() accessor(s) (is/are) added.

The HxPort::getConnectionLine() method is renamed to HxPort::getAliasNames().

The HxPort::addHeaderWidget() method is renamed to HxPort::addExternalWidget().

The HxPort::removeHeaderWidget() method is renamed to HxPort::removeExternalWidget().

The HxPort::m_showPinButton member variable is changed to private and HxPort::pinShown() accessor(s) (is/are) added.

The HxPort::m_originalOwner member variable is removed.

The HxPort::m_interconnection member variable is removed.

The HxPort::m_allowedRemoteCtrl member variable is removed.

The HxPort::portList member variable is removed.

The HxPort::hideMask member variable is removed.

The HxPort::m_itemsTooTip member variable is removed.

The HxPort::m_aliasNames member variable is removed.

The HxPort::m_name member variable is removed.

The HxPort::m_toolTip member variable is removed.

The HxPort::m_linkButton member variable is removed.

The HxPort::m_fireOnSaveNetwork member variable is removed.

The HxPort::m_forceSpreadFire member variable is removed.

The HxPort::m_interfacesAreAttached member variable is removed.

The HxPort::m_isInterconnectable member variable is removed.

The HxPort::m_isShownInWorkArea member variable is removed.

The HxPort::m_synchroFlag member variable is removed.

The HxPort::m_headerWidgets member variable is renamed to HxPort::m_externalWidgets.

The HxPort::labelString member variable is renamed to HxPort::m_labelString.
» The HxPort::pin member variable is renamed to HxPort::m_pin.

» The HxPort::baseWidget member variable is renamed to HxPort::m_baseWidget.

» The HxPort::m_headerWidgetsContainer member variable is renamed to HxPort::m_externalWidgetsContainer.

» The HxPort::layout member variable is renamed to HxPort::m_layout.

» The HxPort::canBeAnimated member variable is renamed to HxPort::m_canBeAnimated.

» The HxPort::hasLabel member variable is renamed to HxPort::m_hasLabel.

» The HxPort::hasPinFlag member variable is renamed to HxPort::m_hasPinFlag.

» The HxPort::labelShift member variable is renamed to HxPort::m_labelShift.

» The HxPort::labelWidth member variable is renamed to HxPort::m_labelWidth.

» The HxPort::newFlag member variable is renamed to HxPort::m_newFlag.

» The HxPort::pinFlag member variable is renamed to HxPort::m_pinFlag.

» The HxPort::visible member variable is renamed to HxPort::m_visible.

Changes to HxPort3DPointList (Package hxcore)

» The HxPort3DPointList::removePoint() method signature is changed to return boolean type instead of integer type.

» The HxPort3DPointList::showDragger() method signature is changed to use boolean type instead of integer type.

» The HxPort3DPointList::showPoints() method signature is changed to use boolean type instead of integer type.

» The HxPort3DPointList::showOptionButton() method signature is changed to use boolean type instead of integer type.

» The HxPort3DPointList::addXyzLabels() method signature is changed to use QString type instead of McString type.

» The HxPort3DPointList::getFormat() method signature is changed to use QString type instead of McString type.

» The HxPort3DPointList::setOrtho() method is renamed to HxPort3DPointList::setOrthoMode().

» The HxPort3DPointList::getOrtho() method is renamed to HxPort3DPointList::isOrthoModeEnabled().

» The HxPort3DPointList::setImmediate() method is renamed to HxPort3DPointList::setImmediateMode().

» The HxPort3DPointList::getImmediate() method is renamed to HxPort3DPointList::isImmediateModeEnabled().

» The HxPort3DPointList::m_notifier member variable is changed to private and
HxPort3DPointList::getNotifier() accessor(s) is/is are added.

» The HxPort3DPointList::getState() virtual method signature is changed to use QString type instead of McString type.

» The HxPort3DPointList::getShortState() virtual method signature is changed to use QString type instead of McString type.

» The HxPort3DPointList::m_xyzLabels member variable is removed.

» The HxPort3DPointList::dragger member variable is removed.

» The HxPort3DPointList::pointSelector member variable is removed.

» The HxPort3DPointList::pointListSep member variable is removed.

» The HxPort3DPointList::m_blockedSignals member variable is removed.

» The HxPort3DPointList::format member variable is removed.

» The HxPort3DPointList::appendModeAction member variable is removed.

» The HxPort3DPointList::appendModeSeparator member variable is removed.

» The HxPort3DPointList::appendPointAction member variable is removed.

» The HxPort3DPointList::displayInteractiveFeedbackAction member variable is removed.

» The HxPort3DPointList::insertPointAction member variable is removed.

» The HxPort3DPointList::removePointAction member variable is removed.

» The HxPort3DPointList::showDraggerAction member variable is removed.

» The HxPort3DPointList::showPointsFlagAction member variable is removed.

» The HxPort3DPointList::button member variable is removed.

» The HxPort3DPointList::spinBox member variable is removed.

» The HxPort3DPointList::actionNotifier member variable is removed.

» The HxPort3DPointList::text member variable is removed.

» The HxPort3DPointList::highlightColor member variable is removed.

» The HxPort3DPointList::pointColor member variable is removed.

» The HxPort3DPointList::xForm member variable is removed.

» The HxPort3DPointList::m_eventCB member variable is removed.

» The HxPort3DPointList::canRetrieve3DPoint() method is removed.

» The HxPort3DPointList::get3DPoint() method is removed.

» The HxPort3DPointList::m_alwaysEnablingInteraction member variable is removed.

» The HxPort3DPointList::m_clampToBoundingBox member variable is changed to private and
HxPort3DPointList::isClampedToBoundingBox() accessor(s) (is/are) added.

» The HxPort3DPointList::m_isDisplayingInteractiveFeedback member variable is removed.

» The HxPort3DPointList::m_isInteractive member variable is removed.

» The HxPort3DPointList::m_showOptionButton member variable is removed.

» The HxPort3DPointList::m_supportInteractiveLineFeedbackOption member variable is removed.

» The HxPort3DPointList::m_referenceCoordSystem member variable is removed.

» The HxPort3DPointList::m_pickedPoint member variable is removed.

» The HxPort3DPointList::pointSizeFactor member variable is removed.

» The HxPort3DPointList::xmax member variable is removed.

» The HxPort3DPointList::xmin member variable is removed.

» The HxPort3DPointList::ymax member variable is removed.

» The HxPort3DPointList::ymin member variable is removed.

» The HxPort3DPointList::zmax member variable is removed.

» The HxPort3DPointList::zmin member variable is removed.

» The HxPort3DPointList::current member variable is removed.

» The HxPort3DPointList::maxNumPoints member variable is changed to private and HxPort3DPointList::getMaxNumPoints() accessor(s) (is/are) added.

» The HxPort3DPointList::minNumPoints member variable is changed to private and HxPort3DPointList::getMinNumPoints() accessor(s) (is/are) added.

» The HxPort3DPointList::s_registeredKeysFilter member variable is removed.

» The HxPort3DPointList::SbBool keyFilterCB() method is removed.

» The HxPort3DPointList::keyFilterCallbackRegistered member variable is removed.

» The HxPort3DPointList::controllerEventCB() method is removed.

» The HxPort3DPointList::dragChangedCB() method is removed.

» The HxPort3DPointList::dragFinishCB() method is removed.

» The HxPort3DPointList::dragStartCB() method is removed.

» The HxPort3DPointList::keyPressedCB() method is removed.

» The HxPort3DPointList::location2CB() method is removed.

» The HxPort3DPointList::pickCallbackCB() method is removed.

» The HxPort3DPointList::selPointCallback() method is removed.

» The HxPort3DPointList::trackerEventCB() method is removed.
» The HxPort3DPointList::m_objectsAllowingReactionOnMouseEvents member variable is removed.

» The HxPort3DPointList::bboxSet member variable is removed.

» The HxPort3DPointList::immediate member variable is removed.

» The HxPort3DPointList::isMoving member variable is removed.

» The HxPort3DPointList::ortho member variable is removed.

» The HxPort3DPointList::pickCallbackRegistered member variable is removed.

» The HxPort3DPointList::showDraggerFlag member variable is changed to private and
HxPort3DPointList::isDraggerVisible() accessor(s) (is/are) added.

» The HxPort3DPointList::showPointsFlag member variable is removed.

» The HxPort3DPointList::commonInit() method is removed.

» The HxPort3DPointList::dragChanged() method is removed.

» The HxPort3DPointList::dragFinish() method is removed.

» The HxPort3DPointList::dragStart() method is removed.

» The HxPort3DPointList::pickCallback() method is removed.

» The HxPort3DPointList::registerPickCallback() method is removed.

» The HxPort3DPointList::selectPoint() method is removed.

» The HxPort3DPointList::setPointColor() method is removed.

» The HxPort3DPointList::translate() method is removed.

» The HxPort3DPointList::updateInterface() method is removed.

» The HxPort3DPointList::updatePointSize() method is removed.

» The HxPort3DPointList::removePoint() method signature is changed to return boolean type instead of
integer type.

**Changes to HxPortButtonList (Package hxcore)**

» The HxPortButtonList::setSensitivity() method signature is changed to use boolean type instead of
integer type.

» The HxPortButtonList::getSensitivity() method signature is changed to return boolean type instead of
integer type.

» The HxPortButtonList::enableSnapToggle() method signature is changed to use boolean type instead of
integer type.

» The HxPortButtonList::isSnapToggleEnabled() method signature is changed to return boolean type
instead of integer type.

» The HxPortButtonList::snap() method signature is changed to use boolean type instead of integer type.
The HxPortButtonList::isSnapped() method signature is changed to return boolean type instead of integer type.

The HxPortButtonList::wasHit() method signature is changed to return boolean type instead of integer type.

The HxPortButtonList::getCmd() method signature is changed to use QString type instead of McString type.

The HxPortButtonList::wasAltDown() method signature is changed to return boolean type instead of integer type.

The HxPortButtonList::wasCtrlDown() method signature is changed to return boolean type instead of integer type.

The HxPortButtonList::wasShiftDown() method signature is changed to return boolean type instead of integer type.

The HxPortButtonList::modifierFlags member variable is removed.

The HxPortButtonList::commonInit() method is removed.

Changes to HxPortButtonMenu (Package hxcore)

The HxPortButtonMenu::setOptValue() method signature is changed to return boolean type instead of integer type.

The HxPortButtonMenu::setOptSensitivity() method signature is changed to use boolean type instead of integer type.

The HxPortButtonMenu::getOptSensitivity() method signature is changed to return boolean type instead of integer type.

The HxPortButtonMenu::getState() virtual method signature is changed to use QString type instead of McString type.

The HxPortButtonMenu::menus member variable is removed.

The HxPortButtonMenu::nMenus member variable is removed.

The HxPortButtonMenu::initWidgets() method is removed.

Changes to HxPortColorList (Package hxcore)

The HxPortColorList::getAlphaEnabled() method is renamed to HxPortColorList::isAlphaChannelEnabled().

The HxPortColorList::setAlphaEnabled() method is renamed to HxPortColorList::setAlphaChannel().

The HxPortColorList::isTransparent() method signature is changed to return boolean type instead of integer type.

The HxPortColorList::isContinuousMode() method is renamed to HxPortColorList::isContinuousModeEnabled().

The HxPortColorList::getState() virtual method signature is changed to use Qstring type instead of


Changes to HxPortColorList (Package hxcore)

» The HxPortColorList::parts member variable is removed.
» The HxPortColorList::alphaEnabled member variable is removed.
» The HxPortColorList::continuous member variable is removed.
» The HxPortColorList::Part member variable is removed.
» The HxPortColorList::commonInit() method is removed.

Changes to HxPortDirectory (Package hxcore)

» The HxPortDirectory::getValue() method signature is changed to return QString type instead of McString type.
» The HxPortDirectory::setValue() method signature is changed to use QString type instead of McString type.
» The HxPortDirectory::m_name member variable is removed.
» The HxPortDirectory::button member variable is removed.
» The HxPortDirectory::lineEdit member variable is removed.
» The HxPortDirectory::getState() virtual method signature is changed to use QString type instead of McString type.

Changes to HxPortDoIt (Package hxcore)

» The HxPortDoIt::hideApplyStopButtons() method is renamed to HxPortDoIt::setHideApplyStopButtons().
» The HxPortDoIt::commonInit() method is removed.

Changes to HxPortFilename (Package hxcore)

» The HxPortFilename::execute() method signature is changed to use QString type instead of McString type.
» The HxPortFilename::getFilename() method signature is changed to use QString type instead of McString type.
» The HxPortFilename::getFileType() method signature is changed to use QString type instead of McString type.
» The HxPortFilename::setFilename() method signature is changed to use QString type instead of McString type.
» The HxPortFilename::setFilenames() method signature is changed to use QString type instead of McString type.
» The HxPortFilename::getValue() method signature is changed to return QString type instead of McString type.
The HxPortFilename::setValue() method signature is changed to use QString type instead of McString type.

The HxPortFilename::findFileExt() method signature is changed to use QString type instead of McString type.

The HxPortFilename::internalSetFilename() method is removed.

The HxPortFilename::getState() virtual method signature is changed to use QString type instead of McString type.

The HxPortFilename::fileTypes member variable is removed.

The HxPortFilename::formats member variable is removed.

The HxPortFilename::names member variable is removed.

The HxPortFilename::fn member variable is removed.

The HxPortFilename::ft member variable is removed.

The HxPortFilename::mode member variable is removed.

The HxPortFilename::button member variable is removed.

The HxPortFilename::dialog member variable is removed.

The HxPortFilename::lineEdit member variable is removed.

The HxPortFilename::FileType member variable is removed.

Changes to HxPortFloatSlider (Package hxcore)

The HxPortFloatSlider::setButtons() method is renamed to HxPortFloatSlider::setArrowButtons().

The HxPortFloatSlider::hasButtons() method is renamed to HxPortFloatSlider::hasArrowButtonsEnabled().

The HxPortFloatSlider::hasEditButton() method is renamed to HxPortFloatSlider::hasEditButtonEnabled().

The HxPortFloatSlider::setDiscrete() method is renamed to HxPortFloatSlider::setDiscreteMode().

The HxPortFloatSlider::isDiscreteMode() method is renamed to HxPortFloatSlider::isDiscreteModeEnabled().

The HxPortFloatSlider::hasSubRangeButtons() method is renamed to HxPortFloatSlider::hasSubRangeButtonsEnabled().

The HxPortFloatSlider::getFormat() method signature is changed to return QString type instead of McString type.

The HxPortFloatSlider::setFormat() method signature is changed to use QString type instead of McString type.

The HxPortFloatSlider::getState() virtual method signature is changed to use QString type instead of McString type.
The `HxPortFloatSlider::getShortState()` virtual method signature is changed to use `QString` type instead of `McString` type.

The `HxPortFloatSlider::format` member variable is renamed to `HxPortFloatSlider::m_format`.

The `HxPortFloatSlider::configureAction` member variable is removed.

The `HxPortFloatSlider::increment` member variable is renamed to `HxPortFloatSlider::m_increment`.

The `HxPortFloatSlider::value` member variable is renamed to `HxPortFloatSlider::m_value`.

The `HxPortFloatSlider::slider` member variable is removed.

The `HxPortFloatSlider::maxValue` member variable is removed.

The `HxPortFloatSlider::minValue` member variable is removed.

The `HxPortFloatSlider::subValueMax` member variable is removed.

The `HxPortFloatSlider::subValueMin` member variable is removed.

The `HxPortFloatSlider::subValueValid` member variable is removed.

The `HxPortFloatSlider::init()` method is removed.

The `HxPortFloatSlider::updateNewFlagOnMouseButtonRelease()` method is removed.

Changes to HxPortFloatTextN (Package hxcore)

The `HxPortFloatTextN::getFormat()` method signature is changed to use `QString` type instead of `McString` type.

The `HxPortFloatTextN::parts` member variable is renamed to `HxPortFloatTextN::m_parts`.

The `HxPortFloatTextN::m_virtualSliderStep` member variable is removed.

The `HxPortFloatTextN::getState()` virtual method signature is changed to use `QString` type instead of `McString` type.

The `HxPortFloatTextN::commonInit()` method is removed.

The `HxPortFloatTextN::createWidget()` method is removed.

Changes to HxPortFontSelection (Package hxcore)

The `HxPortFontSelection::getFontDescription()` method signature is changed to use `QString` type instead of `McString` type.

The `HxPortFontSelection::getState()` virtual method signature is changed to use `QString` type instead of `McString` type.

The `HxPortFontSelection::m_fontColor` member variable is removed.

The `HxPortFontSelection::m_font` member variable is removed.

The `HxPortFontSelection::m_buttonText` member variable is removed.
» The HxPortFontSelection::m_fontLabel member variable is removed.

» The HxPortFontSelection::m_fontSelectBtn member variable is removed.

» The HxPortFontSelection::m_colorBtn member variable is removed.

» The HxPortFontSelection::m_colorBtnVisible member variable is removed.

» The HxPortFontSelection::adjustButtonSizeToContents() method is removed.

» The HxPortFontSelection::fontChanged() method is removed.

» The HxPortFontSelection::updateFontLabel() method is removed.

Changes to HxPortFontSize (Package hxcore)

» The HxPortFontSize::m_fontIncrement member variable is removed.

» The HxPortFontSize::m_fontSizeMax member variable is removed.

» The HxPortFontSize::m_fontSizeMin member variable is removed.

» The HxPortFontSize::getState() virtual method signature is changed to use QString type instead of McString type.

Changes to HxPortGeneric (Package hxcore)

» The HxPortGeneric::insertRadioGroup() method signature is changed to use QStringList type instead of Qvector < QString > type.

» The HxPortGeneric::insertComboBox() method signature is changed to use QStringList type instead of Qvector < QString > type.

» The HxPortGeneric::items member variable is renamed to HxPortGeneric::m_items.

» The HxPortGeneric::m_itemsIds member variable is removed.

» The HxPortGeneric::itemsLayout member variable is removed.

» The HxPortGeneric::checkItemsIds() method is removed.

» The HxPortGeneric::commonInit() method is removed.

» The HxPortGeneric::getSensitivity() method signature is changed to return boolean type instead of integer type.

» The HxPortGeneric::visible() method signature is changed to return boolean type instead of integer type.

» The HxPortGeneric::getState() virtual method signature is changed to use QString type instead of McString type.

» The HxPortGeneric::insertFloatText() method signature is changed to use QString type instead of char* type.

Changes to HxPortGenericComboBox (Package hxcore)
The HxPortGenericComboBox::labels struct member type is changed to use QStringList instead of QVector<QString>.

**Changes to HxPortGenericFloatText (Package hxcore)**

- The HxPortGenericFloatText::format struct member type is changed to use QString instead of McString.
- The HxPortGenericFloatText::setFormat() struct member signature is changed to use QString type instead of McString type.

**Changes to HxPortGenericRadioGroup (Package hxcore)**

- The HxPortGenericRadioGroup::labels struct member type is changed to use QStringList instead of QVector<QString>.

**Changes to HxPortInfo (Package hxcore)**

- The HxPortInfo::getValue() method signature is changed to return QString type instead of McString type.
- The HxPortInfo::setValue() method signature is changed to use QString type instead of McString type.
- The HxPortInfo::value member variable is removed.
- The HxPortInfo::label member variable is removed.
- The HxPortInfo::m_consideredAsInfoTag member variable is removed.

**Changes to HxPortIntSlider (Package hxcore)**

- The HxPortIntSlider::floatToInt() method is removed.

**Changes to HxPortIntTextN (Package hxcore)**

- The HxPortIntTextN::s_maxIntValueAllowed member variable is removed.
- The HxPortIntTextN::s_minIntValueAllowed member variable is removed.
- The HxPortIntTextN::getIntCastValue() method is removed.

**Changes to HxPortModuleSwitch (Package hxcore)**

- The HxPortModuleSwitch::getState() virtual method signature is changed to use QString type instead of McString type.
- The HxPortModuleSwitch::setState() virtual method signature is changed to use QString type instead of McString type.
- The HxPortModuleSwitch::createWidget() virtual method is removed.
- The HxPortModuleSwitch::guiCallback() virtual method is removed.
Changes to HxPortMultiMenu (Package hxcore)

» The HxPortMultiMenu::data member variable is removed.

» The HxPortMultiMenu::getMenuSensitivity() method signature is changed to return boolean type instead of integer type.

» The HxPortMultiMenu::getSensitivity() method signature is changed to return boolean type instead of integer type.

» The HxPortMultiMenu::setValue() method signature is changed to return boolean type instead of integer type.

» The HxPortMultiMenu::getState() virtual method signature is changed to use QString type instead of McString type.

» The HxPortMultiMenu::setState() virtual method signature is changed to use QString type instead of McString type.

» The HxPortMultiMenu::commonInit() method is removed.

» The HxPortMultiMenu::initWidget() method is removed.

» The HxPortMultiMenu::initWidgets() method is removed.

» The HxPortMultiMenu::setMenuSensitivity() method signature is changed to use boolean type instead of integer type.

» The HxPortMultiMenu::setSensitivity() method signature is changed to use boolean type instead of integer type.

Changes to HxPortMultiOptions (Package hxcore)

» The HxPortMultiOptions::setItemEnable() method is renamed to HxPortMultiOptions::setItemEnabled().

» The HxPortMultiOptions::isItemEnable() method is renamed to HxPortMultiOptions::isItemEnabled().

» The HxPortMultiOptions::addItem() method signature is changed to use QString type instead of McString type.

» The HxPortMultiOptions::NewFlagRole member variable is removed.

» The HxPortMultiOptions::SelectedFlagRole member variable is removed.

» The HxPortMultiOptions::isItemEnable() method is renamed to HxPortMultiOptions::isItemEnabled().

» The HxPortMultiOptions::getState() virtual method signature is changed to use QString type instead of McString type.

» The HxPortMultiOptions::setItemEnable() method is renamed to HxPortMultiOptions::setItemEnabled().

» The HxPortMultiOptions::addItem() method signature is changed to use QString type instead of McString type.
Changes to HxPortOnOff (Package hxcore)

» The HxPortOnOff::m_labelOnOff member variable is removed.

» The HxPortOnOff::m_switchOnOff member variable is removed.

» The HxPortOnOff::m_value member variable is removed.

» The HxPortOnOff::getState() virtual method signature is changed to use QString type instead of McString type.

» The HxPortOnOff::init() method is removed.

Changes to HxPortRadioBox (Package hxcore)

» The HxPortRadioBox::radioList member variable is removed.

» The HxPortRadioBox::labels member variable is removed.

» The HxPortRadioBox::getSensitivity() method signature is changed to return boolean type instead of integer type.

» The HxPortRadioBox::index member variable is removed.

» The HxPortRadioBox::nItems member variable is removed.

» The HxPortRadioBox::m_sensitivity member variable is removed.

» The HxPortRadioBox::getState() virtual method signature is changed to use QString type instead of McString type.

» The HxPortRadioBox::commonInit() method is removed.

» The HxPortRadioBox::initWidgets() method is removed.

» The HxPortRadioBox::setSensitivity() method signature is changed to use boolean type instead of integer type.

Changes to HxPortRangeSlider (Package hxcore)

» The HxPortRangeSlider::enableDisplayedHistogram() method is renamed to HxPortRangeSlider::setDisplayedHistogramEnabled().

» The HxPortRangeSlider::setButtons() method is renamed to HxPortRangeSlider::setArrowButtons().

» The HxPortRangeSlider::hasButtons() method is renamed to HxPortRangeSlider::hasArrowButtonsEnabled().

» The HxPortRangeSlider::hasEditButton() method is renamed to HxPortRangeSlider::hasEditButtonEnabled().

» The HxPortRangeSlider::setDiscrete() method is renamed to HxPortRangeSlider::setDiscreteMode().

» The HxPortRangeSlider::isDiscreteMode() method is renamed to HxPortRangeSlider::isDiscreteModeEnabled().
The `HxPortRangeSlider::hasSubRangeButtons()` method is renamed to `HxPortRangeSlider::hasSubRangeButtonsEnabled()`.

The `HxPortRangeSlider::setEditButton()` method signature is changed to use boolean type instead of integer type.

The `HxPortRangeSlider::m_representation` member variable is removed.

The `HxPortRangeSlider::m_newFlags` member variable is removed.

The `HxPortRangeSlider::bufferedHistogramEntries` member variable is removed.

The `HxPortRangeSlider::slider` member variable is removed.

The `HxPortRangeSlider::m_histogramBackgroundUpdater` member variable is removed.

The `HxPortRangeSlider::isDisplayedHistogramEnabled` member variable is removed.

The `HxPortRangeSlider::m_useHeuristics` member variable is removed.

The `HxPortRangeSlider::m_zoomAction` member variable is removed.

The `HxPortRangeSlider::bufferedClipMax` member variable is removed.

The `HxPortRangeSlider::bufferedClipMin` member variable is removed.

The `HxPortRangeSlider::increment` member variable is removed.

The `HxPortRangeSlider::maxValue` member variable is removed.

The `HxPortRangeSlider::minValue` member variable is removed.

The `HxPortRangeSlider::subValueMax` member variable is removed.

The `HxPortRangeSlider::subValueMin` member variable is removed.

The `HxPortRangeSlider::value_h` member variable is removed.

The `HxPortRangeSlider::value_l` member variable is removed.

The `HxPortRangeSlider::windowMax` member variable is removed.

The `HxPortRangeSlider::windowMaxDefault` member variable is removed.

The `HxPortRangeSlider::windowMin` member variable is removed.

The `HxPortRangeSlider::windowMinDefault` member variable is removed.

The `HxPortRangeSlider::bufferedSensitivity` member variable is removed.

The `HxPortRangeSlider::m_numBins` member variable is removed.

The `HxPortRangeSlider::subValueValid` member variable is removed.

The `HxPortRangeSlider::autoHideSliderFlag` member variable is removed.

The `HxPortRangeSlider::discreteFlag` member variable is removed.

The `HxPortRangeSlider::nColumns` member variable is removed.
» The HxPortRangeSlider::showArrows member variable is removed.
» The HxPortRangeSlider::showEditButton member variable is removed.
» The HxPortRangeSlider::sliderWidth member variable is removed.
» The HxPortRangeSlider::subRangeFlag member variable is removed.
» The HxPortRangeSlider::trackingFlag member variable is removed.
» The HxPortRangeSlider::init() method is removed.
» The HxPortRangeSlider::popupMenu() method is removed.
» The HxPortRangeSlider::getState() virtual method signature is changed to use QString type instead of McString type.
» The HxPortRangeSlider::getShortState() virtual method signature is changed to use QString type instead of McString type.

**Changes to HxPortRangeTplSlider (Package hxcore)**

» The HxPortRangeTplSlider::m_bufferedHistogramEntries member variable is removed.
» The HxPortRangeTplSlider::m_histogramBackgroundUpdater member variable is removed.

**Changes to HxPortTabBar (Package hxcore)**

» The HxPortTabBar::setSensitivity() method signature is changed to use boolean type instead of integer type.
» The HxPortTabBar::getSensitivity() method signature is changed to return boolean type instead of integer type.
» The HxPortTabBar::portAdd() method signature is changed to use QString type instead of McString type.
» The HxPortTabBar::portRemove() method signature is changed to use QString type instead of McString type.
» The HxPortTabBar::getState() virtual method signature is changed to use QString type instead of McString type.
» The HxPortTabBar::getShortState() virtual method signature is changed to use QString type instead of McString type.
» The HxPortTabBar::mTabs member variable is removed.
» The HxPortTabBar::mPorts member variable is removed.
» The HxPortTabBar::mQBar member variable is removed.
» The HxPortTabBar::mCurrTabIndex member variable is removed.
» The HxPortTabBar::commonInit() method is removed.
» The HxPortTabBar::updateVisibility() method is removed.
Changes to HxPortText (Package hxcore)

» The HxPortText::value member variable is removed.
» The HxPortText::lineEdit member variable is removed.
» The HxPortText::nColumns member variable is removed.
» The HxPortText::sensitivity member variable is removed.
» The HxPortText::getState() virtual method signature is changed to use QString type instead of McString type.
» The HxPortText::commonInit() method is removed.

Changes to HxPortTextEdit (Package hxcore)

» The HxPortTextEdit::selection member variable is removed.
» The HxPortTextEdit::value member variable is removed.
» The HxPortTextEdit::textEdit member variable is removed.
» The HxPortTextEdit::nColumns member variable is removed.
» The HxPortTextEdit::nRows member variable is removed.
» The HxPortTextEdit::sensitivity member variable is removed.
» The HxPortTextEdit::getState() virtual method signature is changed to use QString type instead of McString type.
» The HxPortTextEdit::commonInit() method is removed.

Changes to HxPortToggleList (Package hxcore)

» The HxPortToggleList::getValue() method signature is changed to return boolean type instead of integer type.
» The HxPortToggleList::setValue() method signature is changed to use boolean type instead of integer type.
» The HxPortToggleList::getSensitivity() method signature is changed to return boolean type instead of integer type.
» The HxPortToggleList::setSensitivity() method signature is changed to use boolean type instead of integer type.
» The HxPortToggleList::setValueAndMask() method signature is changed to use boolean type instead of integer type.
» The HxPortToggleList::setMask() method signature is changed to use boolean type instead of integer type.
» The HxPortToggleList::getMask() method signature is changed to return boolean type instead of integer type.
» The `HxPortToggleList::setIsTristate()` method signature is changed to use boolean type instead of integer type.

» The `HxPortToggleList::getIsTristate()` method signature is changed to return boolean type instead of integer type.

» The `HxPortToggleList::isTristate` member variable is removed.

» The `HxPortToggleList::isVisibleList` member variable is removed.

» The `HxPortToggleList::mask` member variable is removed.

» The `HxPortToggleList::newFlags` member variable is removed.

» The `HxPortToggleList::sensitivity` member variable is removed.

» The `HxPortToggleList::state` member variable is removed.

» The `HxPortToggleList::toggleList` member variable is removed.

» The `HxPortToggleList::labels` member variable is removed.

» The `HxPortToggleList::nItems` member variable is removed.

» The `HxPortToggleList::setState()` virtual method signature is changed to use QString type instead of McString type.

» The `HxPortToggleList::getState()` virtual method signature is changed to use QString type instead of McString type.

**Changes to HxPortTypeInfo (Package hxcore)**

» The `HxPortTypeInfo::canCreateInstanceWithObject()` method signature is changed to return boolean type instead of integer type.

» The `HxPortTypeInfo::canCreateInstanceWithEditor()` method signature is changed to return boolean type instead of integer type.

» The `HxPortTypeInfo::m_fnInstanciatorWithEditor` member variable is removed.

» The `HxPortTypeInfo::m_fnInstanciatorWithObject` member variable is removed.

» The `HxPortTypeInfo::fromName()` method is renamed to `HxPortTypeInfo::getTypeFromName()`.

» The `HxPortTypeInfo::allTypes()` method is removed.

**Changes to HxPreferences (Package hxcore)**

» The `HxPreferences::compassName` member variable type is changed to use QString instead of McString.

» The `HxPreferences::molExplicitAttributes` member variable type is changed to use QString instead of McString.

» The `HxPreferences::ldaCompressionType` member variable type is changed to use QString instead of
» The HxPreferences::seg3dDrawStyle member variable type is changed to use QString instead of McString.

» The HxPreferences::segMagicWandSettings member variable type is changed to use QString instead of McString.

» The HxPreferences::segOrientationAndFlip member variable type is changed to use QString instead of McString.

» The HxPreferences::preset member variable type is changed to use QString instead of McString.

» The HxPreferences::matDataBase member variable type is changed to use QString instead of McString.

» The HxPreferences::treeviewMode member variable type is changed to use QString instead of McString.

» The HxPreferences::dicomLoadOptions member variable type is changed to use QString instead of McString.

» The HxPreferences::seismicLastFaultSticksFormat member variable type is changed to use QString instead of McString.

» The HxPreferences::seismicLastFaultSurfaceFormat member variable type is changed to use QString instead of McString.

» The HxPreferences::seismicLastHorizonFormat member variable type is changed to use QString instead of McString.

» The HxPreferences::teamWorkLastServer member variable type is changed to use QString instead of McString.

» The HxPreferences::teamWorkLastSessionName member variable type is changed to use QString instead of McString.

» The HxPreferences::teamWorkLastAlias member variable type is changed to use QString instead of McString.

» The HxPreferences::vrConfigsPath member variable type is changed to use QString instead of McString.

» The HxPreferences::localDir member variable type is changed to use QString instead of McString.

» The HxPreferences::demoDir member variable type is changed to use QString instead of McString.

» The HxPreferences::customPreference member variable type is changed to use QString instead of McString.

» The HxPreferences::provenanceStandardDir member variable type is changed to use QString instead of McString.

» The HxPreferences::language member variable type is changed to use QString instead of McString.

» The HxPreferences::m_saveProjectPolicy member variable type is changed to use QString instead of McString.

Changes to HxProgressInterface (Package hxcore)
» The HxProgressInterface::isBusy() method signature is changed to return boolean type instead of integer type.

» The HxProgressInterface::wasInterrupted() virtual method signature is changed to return boolean type instead of integer type.

» The HxProgressInterface::progressStep() virtual method signature is changed to return boolean type instead of integer type.

Changes to HxResource (Package hxcore)

» The HxResource::getRootDir() method signature is changed to use QString type instead of McString type.

» The HxResource::getDataDir() method signature is changed to use QString type instead of McString type.

» The HxResource::getLocalDir() method signature is changed to use QString type instead of McString type.

» The HxResource::getVersion() method signature is changed to use QString type instead of McString type.

» The HxResource::getExtenderProcs() method signature is changed to use QString type instead of McString type.

» The HxResource::getExecPath() method signature is changed to use QString type instead of McString type.

» The HxResource::getMacroDir() method signature is changed to use QString type instead of McString type.

» The HxResource::getNetworkDriveDir() method signature is changed to use QString type instead of McString type.

» The HxResource::locateFile() method signature is changed to return boolean type instead of integer type.

» The HxResource::getObjectFactoryTable() method signature is changed to use QString type instead of McString type.

» The HxResource::disableObjectsOfDSO() method signature is changed to use QString type instead of McString type.

» The HxResource::disableSimpleClassesOfDSO() method signature is changed to use QString type instead of McString type.

» The HxResource::getSimpleClassTable() method signature is changed to use QString type instead of McString type.

» The HxResource::getSimpleClassDSOTable() method signature is changed to use QString type instead of McString type.

» The HxResource::getTclWrapperClassNameTable() method signature is changed to use QString type instead of McString type.

» The HxResource::getLibVersion() method signature is changed to use QString type instead of McString type.
» The HxResource::getEditorInfoFromClassName() method signature is changed to use QString type instead of McString type.

» The HxResource::canShowMainWindow() method signature is changed to return boolean type instead of integer type.

» The HxResource::getArchString() method signature is changed to use QString type instead of McString type.

» The HxResource::getShortArchString() method signature is changed to use QString type instead of McString type.

» The HxResource::getDemoDir() method signature is changed to use QString type instead of McString type.

» The HxResource::noBorder() method is removed.

» The HxResource::noGui() method is removed.

» The HxResource::readImage() method signature is changed to return boolean type instead of integer type.

» The HxResource::readQImage() method signature is changed to return boolean type instead of integer type.

» The HxResource::writeImage() method signature is changed to return boolean type instead of integer type.

» The HxResource::writeQImage() method signature is changed to return boolean type instead of integer type.

» The HxResource::setNoBorder() method is removed.

» The HxResource::getDisplayName() method signature is changed to use QString type instead of McString type.

» The HxResource::getDataDirs() method signature is changed to return QStringList type instead of McDArray < McString > type.

Changes to HxSettingsMgr (Package hxcore)

» The HxSettingsMgr::setGeometry() method signature is changed to use QString type instead of McString type.

» The HxSettingsMgr::getGeometry() method signature is changed to use QString type instead of McString type.

» The HxSettingsMgr::setCustom() method signature is changed to use QString type instead of McString type.

» The HxSettingsMgr::getCustom() method signature is changed to use QString type instead of McString type.

» The HxSettingsMgr::removeCustom() method signature is changed to use QString type instead of
The HxSettingsMgr::loadPreferences() method signature is changed to use QString type instead of McString type.

The HxSettingsMgr::savePreferences() method signature is changed to use QString type instead of McString type.

The HxSettingsMgr::setActiveEdition() method signature is changed to use QString type instead of McString type.

The HxSettingsMgr::mNotifier member variable is changed to protected and HxSettingsMgr::getNotifier() accessor(s) (is/are) added.

Changes to HxSpatialData (Package hxcore)

The HxSpatialData::getWorldAlignedBoundingBox() method is removed.

The HxSpatialData::getBoundingBoxCenter() method is removed.

The HxSpatialData::getBoundingBoxOrigin() method is removed.

The HxSpatialData::getBoundingBoxSize() method is removed.

The HxSpatialData::getMemSize() virtual method signature is changed to use virtual mcint64 getMemSize (const McBox3f &box, bool *sizeOk) const instead of virtual bool getMemSize (mcuint64 &size, const McBox3f &box).

The HxSpatialData::getUndefinedValue() method signature is changed to return boolean type instead of integer type.

The HxSpatialData::getTransformedBoundingBox() method is removed.

The HxSpatialData::parseRangeParameters() method is removed.

The HxSpatialData::rotate() method signature is changed to use boolean type instead of integer type.

The HxSpatialData::scale() method signature is changed to use boolean type instead of integer type.

The HxSpatialData::translate() method signature is changed to use boolean type instead of integer type.

Changes to HxVertexSet (Package hxcore)

The HxVertexSet::getCoords() virtual method signature is changed to return McArray < McVec3f > type instead of McVec3f type.

The HxVertexSet::getNumPoints() method is removed.

Changes to HxViewBase (Package hxcore)

The HxViewBase::getPolyLine() method is renamed to HxViewBase::polyLine().

The HxViewBase::polyLine member variable is renamed to HxViewBase::m_polyLine.

The HxViewBase::soDrawStyle member variable is renamed to HxViewBase::m_soDrawStyle.
» The HxViewBase::soEvent member variable is renamed to HxViewBase::m_soEvent.
» The HxViewBase::soMaterial member variable is renamed to HxViewBase::m_soMaterial.
» The HxViewBase::soRoot member variable is renamed to HxViewBase::m_soRoot.
» The HxViewBase::soSurface member variable is removed.
» The HxViewBase::dragger member variable is renamed to HxViewBase::m_dragger.
» The HxViewBase::getPolygonOffsetMode() method is removed.
» The HxViewBase::m_polygonOffsetMode member variable is removed.
» The HxViewBase::maxScaleX member variable is removed.
» The HxViewBase::maxScaleY member variable is removed.
» The HxViewBase::maxScaleZ member variable is removed.
» The HxViewBase::xMax member variable is removed.
» The HxViewBase::xMin member variable is removed.
» The HxViewBase::yMax member variable is removed.
» The HxViewBase::yMin member variable is removed.
» The HxViewBase::zMax member variable is removed.
» The HxViewBase::zMin member variable is removed.
» The HxViewBase::handlePseudoColor() method signature is changed to return boolean type instead of integer type.
» The HxViewBase::handlePseudoColorSurface() method signature is changed to return boolean type instead of integer type.
» The HxViewBase::handlePseudoColorTetra() method signature is changed to return boolean type instead of integer type.
» The HxViewBase::isDragging member variable is removed.
» The HxViewBase::addText() method is removed.
» The HxViewBase::clearText() method is removed.
» The HxViewBase::getSelectedTriangles() method is removed.
» The HxViewBase::initBox() method signature is changed to use McBox3f type instead of float [6] type.
» The HxViewBase::set3DTextMode() method is removed.
» The HxViewBase::setLegend() method is removed.
» The HxViewBase::setPolygonOffsetMode() method is removed.
» The HxViewBase::setTextSize() method is removed.
Changes to HxViewer (Package hxcore)

» The HxViewer::isInteractive() method signature is changed to return boolean type instead of integer type.

» The HxViewer::viewX() method signature is changed to use boolean type instead of integer type.

» The HxViewer::viewY() method signature is changed to use boolean type instead of integer type.

» The HxViewer::viewZ() method signature is changed to use boolean type instead of integer type.

» The HxViewer::hasStereoCapability() method signature is changed to return boolean type instead of integer type.

» The HxViewer::isAnimating() method signature is changed to return boolean type instead of integer type.

» The HxViewer::setBackgroundImage() method signature is changed to use boolean type instead of integer type.

» The HxViewer::setStereoBackgroundImage() method signature is changed to use boolean type instead of integer type.

» The HxViewer::setPosition() method signature is changed to use SbVec2s type instead of integer type.

» The HxViewer::getBackgroundImage() method signature is changed to use QString type instead of char* type.

» The HxViewer::noGuiSnapshot() method signature is changed to use boolean type instead of integer type.

» The HxViewer::getWidget() method is removed.

» The HxViewer::getPanel() method is removed.

» The HxViewer::isFsaaSupported() method is removed.

» The HxViewer::changeWidgets() method is removed.

» The HxViewer::setColorMap() method is removed.

» The HxViewer::setDecoration() method is removed.

» The HxViewer::setFullSceneAntialiasing() method is removed.

» The HxViewer::setOverlayColorMap() method is removed.

» The HxViewer::setPanel() method is removed.

Changes to HxViewerBase (Package hxcore)

» The HxViewerBase::isVisible() virtual method signature is changed to return boolean type instead of integer type.

» The HxViewerBase::getPanelBase() method is removed.

Changes to HxViewerPanelBase (Package hxcore)
The `HxViewerPanelBase::getToolBarTitle()` method signature is changed to use `QString` type instead of `McString` type.

**Changes to HxViewerTool (Package hxcore)**

- The `HxViewerTool::shortcut()` method signature is changed to use `QKeySequence getShortcut () const` instead of `McString shortcut () const`.
- The `HxViewerTool::text()` method signature is changed to use `QString getText () const` instead of `McString text () const`.
- The `HxViewerTool::action()` method is removed.
- The `HxViewerTool::toolTip()` method is renamed to `HxViewerTool::getToolTip()`.
- The `HxViewerTool::NO_MODIFIER` enum is removed.
- The `HxViewerTool::SHIFT_MODIFIER` enum is removed.
- The `HxViewerTool::CONTROL_MODIFIER` enum is removed.
- The `HxViewerTool::ALT.MODIFIER` enum is removed.
- The `HxViewerTool::onActiveViewerChanged()` method is removed.
- The `HxViewerTool::updateUI()` method is removed.
- The `HxViewerTool::setShortcut()` method signature is changed to use `QKeySequence` type instead of `char*` type.
- The `HxViewerTool::setText()` method signature is changed to use `QString` type instead of `char*` type.

**Changes to QxViewer (Package hxcore)**

- The `QxViewer::hasStereoCapability()` method signature is changed to return booleand type instead of integer type.
- The `QxViewer::isAnimating()` method signature is changed to return boolean type instead of integer type.
- The `QxViewer::setBackgroundColor()` method signature is changed to use booleand type instead of integer type.
- The `QxViewer::setStereoBackgroundColor()` method signature is changed to use booleand type instead of integer type.
- The `QxViewer::setPosition()` method signature is changed to use `SbVec2s` type instead of integer type.
- The `QxViewer::getBackgroundColor()` method signature is changed to use `QString` type instead of `char*` type.
- The `QxViewer::getButton()` method signature is changed to use `ViewButton` type instead of integer type.
- The `QxViewer::enableDirectViz()` virtual method is removed.
- The `QxViewer::setViewing()` virtual method signature is changed to use `SbBool` type instead of boolean type.
» The QxViewer::setCameraMode() method signature is changed to use CameraMode type instead of integer type.

» The QxViewer::viewX() method signature is changed to use boolean type instead of integer type.

» The QxViewer::viewY() method signature is changed to use boolean type instead of integer type.

» The QxViewer::viewZ() method signature is changed to use boolean type instead of integer type.

» The QxViewer::CAMERA_TRACKBALL enum is removed.

» The QxViewer::COMPASS enum is removed.

» The QxViewer::_animateCamera() method is removed.

» The QxViewer::_lightDialog() method is removed.

» The QxViewer::_rotateVD() method is removed.

» The QxViewer::_snapshot() method is removed.

» The QxViewer::_toggleFullScreen() method is removed.

» The QxViewer::_viewX() method is removed.

» The QxViewer::_viewY() method is removed.

» The QxViewer::_viewZ() method is removed.

Changes to QxViewerPanel (Package hxcore)

» The QxViewerPanel::registerViewer() method signature is changed to use boolean type instead of integer type.

» The QxViewerPanel::seismicToolbarEnabled member variable is renamed to QxViewerPanel::QxViewerPanel::setSeismicToolbar().

» The QxViewerPanel::isVerticalSplit() method is renamed to QxViewerPanel::isVerticalSplitEnabled().

» The QxViewerPanel::m_reconfigureLock member variable is changed to private and QxViewerPanel::increaseReconfigureLock(), QxViewerPanel::decreaseReconfigureLock(), QxViewerPanel::hasReconfigureLock() accessor(s) (is/are) added.

» The QxViewerPanel::s_blockNavigationTools member variable is changed to private and QxViewerPanel::setBlockNavigationTools(), QxViewerPanel::isBlockNavigationToolsEnabled() accessor(s) (is/are) added.

» The QxViewerPanel::getViewerObjectVisibilityAction() method is removed.

» The QxViewerPanel::reservoirToolbarEnabled member variable is removed.

» The QxViewerPanel::createExtraToolBar() method is removed.

» The QxViewerPanel::createLayoutToolBar() method is removed.

» The QxViewerPanel::createOrientationToolBar() method is removed.
» The QxViewerPanel::createViewingToolBar() method is removed.
» The QxViewerPanel::createZScaleToolBar() method is removed.

Changes to HxExternalData (Package hxexternaldata)

» The HxExternalData::thePrimType member variable is removed.
» The HxExternalData::driverName member variable is removed.
» The HxExternalData::dims() method is renamed to HxExternalData::getDims().
» The HxExternalData::bbox member variable is removed.
» The HxExternalData::nDataVar() method is renamed to HxExternalData::getNDataVar().
» The HxExternalData::theDims member variable is removed.
» The HxExternalData::theNDataVar member variable is removed.
» The HxExternalData::write() method is removed.
» The HxExternalData::getBlock() virtual method signature is changed to return boolean type instead of integer type.
» The HxExternalData::getBoundingBox() method is removed.
» The HxExternalData::setBoundingBox() method signature is changed to use McBox3f type instead of float [6] type.

Changes to HxExternalData::BlockRequest (Package hxexternaldata)

» The HxExternalData::BlockRequest::blockOrigin member variable is changed to private and HxExternalData::BlockRequest::getBlockOrigin() accessor(s) (is/are) added.
» The HxExternalData::BlockRequest::blockOriginSubvoxel member variable is changed to private and HxExternalData::BlockRequest::getBlockOriginSubvoxel() accessor(s) (is/are) added.
» The HxExternalData::BlockRequest::blockSize member variable is changed to private and HxExternalData::BlockRequest::getBlockSize() accessor(s) (is/are) added.
» The HxExternalData::BlockRequest::dataOrigin member variable is changed to private and HxExternalData::BlockRequest::getDataOrigin() accessor(s) (is/are) added.
» The HxExternalData::BlockRequest::dataOriginSubvoxel member variable is changed to private and HxExternalData::BlockRequest::getDataOriginSubvoxel() accessor(s) (is/are) added.
» The HxExternalData::BlockRequest::dataSize member variable is changed to private and HxExternalData::BlockRequest::getDataSize() accessor(s) (is/are) added.
» The HxExternalData::BlockRequest::subsampling member variable is changed to private and HxExternalData::BlockRequest::getSubsampling() accessor(s) (is/are) added.
» The HxExternalData::BlockRequest::data member variable is changed to private and HxExternalData::BlockRequest::getData() accessor(s) (is/are) added.
» The HxExternalData::BlockRequest::timestep member variable is removed.

**Changes to HxExternalDataToImageInterface (Package hxexternaldata)**

» The HxExternalDataToImageInterface::getPrimType() method is renamed to HxExternalDataToImageInterface::primType().

**Changes to HxRawAsExternalData (Package hxexternaldata)**

» The HxRawAsExternalData::files member variable is removed.

» The HxRawAsExternalData::littleEndian member variable is changed to private and HxRawAsExternalData::isLittleEndian() accessor(s) (is/are) added.

» The HxRawAsExternalData::filehandle member variable is changed to private and HxRawAsExternalData::getFileHandle(), HxRawAsExternalData::setFileHandle() accessor(s) (is/are) added.

» The HxRawAsExternalData::skipHeader member variable is changed to private and HxRawAsExternalData::getSkipHeaderSize() accessor(s) (is/are) added.

» The HxRawAsExternalData::getBlock() method signature is changed to return boolean type instead of integer type.

**Changes to HxStackedSlicesAsExternalData (Package hxexternaldata)**

» The HxStackedSlicesAsExternalData::HxStackedSlicesAsExternalData() method signature is changed to use QStringList type instead of McDArray < McFilename > type.

» The HxStackedSlicesAsExternalData::readStackedSlicesAsExternalData() method signature is changed to return boolean type instead of integer type.

» The HxStackedSlicesAsExternalData::getBlock() method signature is changed to return boolean type instead of integer type.

» The HxStackedSlicesAsExternalData::saveParameters() method signature is changed to return boolean type instead of integer type.

**Changes to HexaGrid (Package hxfield)**

» The HexaGrid::m_octreeMutex member variable is removed.

» The HexaGrid::initFromAmiraMesh method signature is changed to use void initFromAmiraMesh (AmiraMesh *m) instead of int initFromAmiraMesh (AmiraMesh *m).

» The HexaGrid::numDuplicatedNodes member variable is changed to private and HexaGrid::getNumDuplicatedNodes(), HexaGrid::setNumDuplicatedNodes() accessor(s) (is/are) added.

» The HexaGrid::params member variable is changed to private and HexaGrid::params() accessor(s) (is/are) added.

» The HexaGrid::faces member variable is changed to private and HexaGrid::faces() accessor(s) (is/are)
» The HexaGrid::hexas member variable is changed to private and HexaGrid::hexas() accessor(s) (is/are) added.

» The HexaGrid::hexasPerPoint member variable is changed to private and HexaGrid::hexasPerPoint() accessor(s) (is/are) added.

» The HexaGrid::points member variable is changed to private and HexaGrid::points() accessor(s) (is/are) added.

» The HexaGrid::materialIds member variable is changed to private and HexaGrid::materialIds() accessor(s) (is/are) added.

» The HexaGrid::m_centerPoints member variable is removed.

Changes to HxAnnaLocation3 (Package hxfield)

» The HxAnnaLocation3::getLocation() method signature is changed to use integer type instead of size_t type.

» The HxAnnaLocation3::mVarVals member variable is removed.

» The HxAnnaLocation3::move() virtual method signature is changed to use virtual bool move (const McVec3f &pos) instead of virtual int move (float x, float y, float z).

» The HxAnnaLocation3::set() virtual method signature is changed to use virtual bool set (const McVec3f &pos) instead of virtual int set (float x, float y, float z).

Changes to HxAnnaScalarField3 (Package hxfield)

Changes to HxAnnaVectorField3 (Package hxfield)

Changes to HxCoord3 (Package hxfield)

» The HxCoord3::HxCoord3() method signature is changed to use HxCoord3 (const McDim3l &dims, HxCoordType coordType) instead of HxCoord3 (const int dims [3], HxCoordType c).

» The HxCoord3::theCoordType member variable is renamed to HxCoord3::m_coordType.

» The HxCoord3::dims() method is renamed to HxCoord3::getDims().

» The HxCoord3::dimsInt() method is removed.

» The HxCoord3::dimsLong() method is removed.

» The HxCoord3::theDims32 member variable is removed.

» The HxCoord3::theDims member variable is removed.

» The HxCoord3::create() method signature is changed to use static HxCoord3 * create (const McDim3l &dims, HxCoordType coordType) instead of static HxCoord3 * create (const int dims [3], HxCoordType coordType).
The `HxCoord3::getBoundingBox()` virtual method signature is changed to use `virtual const McBox3f & getBoundingBox () const =0` instead of `virtual void getBoundingBox (float bbox[6]) const =0`.

The `HxCoord3::pos()` virtual method signature is changed to use `virtual McVec3f pos (const McVec3i &idx3) const =0` instead of `virtual void pos (int i, int j, int k, float *res) const =0`.

The `HxCoord3::resize()` virtual method signature is changed to use `virtual void resize (const McDim3l &dims)=0` instead of `virtual void resize (const int dims [3])=0`.

The `HxCoord3::setBoundingBox()` virtual method signature is changed to use `virtual void setBoundingBox (const McBox3f &bbox)=0` instead of `virtual void setBoundingBox (const float bbox[6])=0`.

**Changes to HxEvalStandard (Package hxfield)**

The `HxEvalStandard::field` member variable is renamed to `HxEvalStandard::m_field`.

**Changes to HxField3 (Package hxfield)**

The `HxField3::evalFloatFunc` member variable is removed.

The `HxField3::evalNativeFunc` member variable is removed.

The `HxField3::thePrimType` member variable is removed.

The `HxField3::theNDataVar` member variable is renamed to `HxField3::m_nDataVar`.

The `HxField3::touchMinMax()` virtual method is removed.

The `HxField3::evalFloatData` member variable is renamed to `HxField3::m_evalFloatData`.

The `HxField3::evalNativeData` member variable is renamed to `HxField3::m_evalNativeData`.

The `HxField3::resultBuffer` member variable is removed.

The `HxField3::touchMinMax()` method is renamed to `HxField3::setMinMaxTouch()`.

The `HxField3::evalFloatFromFloat()` method is removed.

The `HxField3::evalFloatFromDouble()` method is removed.

The `HxField3::evalFloatFromInt16()` method is removed.

The `HxField3::evalFloatFromInt32()` method is removed.

The `HxField3::evalFloatFromInt64()` method is removed.

The `HxField3::evalFloatFromInt8()` method is removed.

The `HxField3::evalFloatFromUInt16()` method is removed.

The `HxField3::evalFloatFromUInt32()` method is removed.

The `HxField3::evalFloatFromUInt8()` method is removed.
The HxField3::evalNativeZero() method is removed.

Changes to HxHexaComplexScalarField3 (Package hxfield)

- The HxHexaComplexScalarField3::data member variable is changed to private and HxHexaComplexScalarField3::hexaData() accessor(s) (is/are) added.

Changes to HxHexaComplexVectorField3 (Package hxfield)

- The HxHexaComplexVectorField3::data member variable is changed to private and HxHexaComplexVectorField3::hexaData() accessor(s) (is/are) added.

Changes to HxHexaData (Package hxfield)

- The HxHexaData::theEncoding member variable is removed.
- The HxHexaData::portGrid member variable is removed.
- The HxHexaData::theGrid member variable is removed.
- The HxHexaData::m_has UndefinedValue member variable is removed.
- The HxHexaData::m_undefinedValue member variable is removed.
- The HxHexaData::theData member variable is removed.
- The HxHexaData::numNodes member variable is removed.
- The HxHexaData::theNDataVar member variable is removed.

Changes to HxHexaField3 (Package hxfield)

- The HxHexaField3::data member variable is changed to private and HxHexaField3::hexaData() accessor(s) (is/are) added.

Changes to HxHexaGrid (Package hxfield)

- The HxHexaGrid::getNumPoints() virtual method is removed.
- The HxHexaGrid::add() method signature is changed to use boolean type instead of integer type.

Changes to HxHexaScalarField3 (Package hxfield)

- The HxHexaScalarField3::data member variable is changed to private and HxHexaScalarField3::hexaData() accessor(s) (is/are) added.
- The HxHexaScalarField3::PER_VERTEX enum is removed.
- The HxHexaScalarField3::PER_HEX A_VERTEX enum is removed.
- The HxHexaScalarField3::PER_HEX A enum is removed.
Changes to HxHexaVectorField3 (Package hxfield)

» The HxHexaVectorField3::data member variable is changed to private and HxHexaVectorField3::hexaData() accessor(s) (is/are) added.

Changes to HxLabelLattice3 (Package hxfield)

» The HxLabelLattice3::HxLabelLattice3() method signature is changed to use McDim3l type instead of int [3] type.

» The HxLabelLattice3::materials() method signature is changed to use boolean type instead of integer type.

» The HxLabelLattice3::DATA_BASE_COLORS enum is renamed to HxLabelLattice3::DATABASE_COLORS.

» The HxLabelLattice3::theWeights member variable is removed.

» The HxLabelLattice3::swapDims() virtual method signature is changed to use virtual bool swapDims(const int didx[]) instead of virtual bool swapDims(const int *didx).

» The HxLabelLattice3::theLabels member variable is removed.

» The HxLabelLattice3::computeBBox() method signature is changed to return McBox3i type instead of void type.

» The HxLabelLattice3::createMissingMaterials() method signature is changed to use void createMissingMaterials(HxParamBundle *matBundles, ColorsSource colorSource, bool bSilent=false) instead of void createMissingMaterials(ColorsSource colorSource).

» The HxLabelLattice3::removeEmptyMaterials() method signature is changed to use boolean type instead of integer type.

» The HxLabelLattice3::init() virtual method signature is changed to use virtual void init(const McDim3l &dims, int nDataVar, McPrimType pType, HxCoordType cType, void *data=NULL) instead of virtual bool init(const int dims[3], int nDataVar, McPrimType pType, HxCoordType cType, void *data=0).

Changes to HxLattice3 (Package hxfield)

» The HxLattice3::evalLatFunc member variable is renamed to HxLattice3::m_evalLatFunc.

» The HxLattice3::HxLattice3() method signature is changed to use McDim3l type instead of int [3] type.

» The HxLattice3::myCoords member variable is renamed to HxLattice3::m_coords.

» The HxLattice3::myPrimType member variable is removed.

» The HxLattice3::init() method is removed.

» The HxLattice3::resize() method is removed.

» The HxLattice3::setPrimType() method is removed.

» The HxLattice3::dims() method is renamed to HxLattice3::getDims().
The HxLattice3::dimsInt() method is removed.

The HxLattice3::dimsLong() method is removed.

The HxLattice3::getUndefinedValue() method signature is changed to use double getUndefinedValue (bool *pHasUndefinedValue=NULL) const instead of double getUndefinedValue ()

The HxLattice3::myBytesPerNode member variable is removed.

The HxLattice3::myDims32 member variable is removed.

The HxLattice3::myNDDataVar member variable is renamed to HxLattice3::m_nbDataVar.

The HxLattice3::myDims member variable is removed.

The HxLattice3::nNodes() method signature is changed to use mcint64 type instead of mculong type.

The HxLattice3::evalLatByteN() method signature is changed to use mcint64 type instead of mculong type.

The HxLattice3::evalLatDoubleN() method signature is changed to use mcint64 type instead of mculong type.

The HxLattice3::evalLatFloatN() method signature is changed to use mcint64 type instead of mculong type.

The HxLattice3::evalLatInt32N() method signature is changed to use mcint64 type instead of mculong type.

The HxLattice3::evalLatInt64N() method signature is changed to use mcint64 type instead of mculong type.

The HxLattice3::evalLatShortN() method signature is changed to use mcint64 type instead of mculong type.

The HxLattice3::evalLatUByteN() method signature is changed to use mcint64 type instead of mculong type.

The HxLattice3::evalLatUInt32N() method signature is changed to use mcint64 type instead of mculong type.

The HxLattice3::evalLatUShortN() method signature is changed to use mcint64 type instead of mculong type.

The HxLattice3::fixFlatBoundingBox() method is removed.

The HxLattice3::flip() virtual method signature is changed to return void type instead of boolean type.

The HxLattice3::init() virtual method signature is changed to use virtual void init (const McDim3l &dims, int nDataVar , McPrimType pType, HxCoordType cType, void *data=NULL) instead of virtual bool init (const int dims [3], int nDataVar , McPrimType pType, HxCoordType cType, void *data=0).

The HxLattice3::myDataPtr member variable is removed.

The HxLattice3::getSize() method is removed.

The HxLattice3::mapUInt16ToInt16() method signature is changed to use boolean type instead of integer type.
» The HxLattice3::set() method signature is changed to use mcint64 type instead of mculong type.

» The HxLattice3::setBoundingBox() method signature is changed to use McBox3f type instead of float [6] type.

» The HxLattice3::setContentInfo() method is removed.

Changes to HxLattice3ToImageInterface (Package hxfield)

» The HxLattice3ToImageInterface::getPrimType() virtual method is renamed to HxLattice3ToImageInterface::primType().

Changes to HxLoc3Hexa (Package hxfield)

» The HxLoc3Hexa::move() virtual method signature is changed to use virtual bool move (const McVec3f &pos) instead of virtual int move (float x, float y, float z).

» The HxLoc3Hexa::set() virtual method signature is changed to use virtual bool set (const McVec3f &pos) instead of virtual int set (float x, float y, float z).

» The HxLoc3Hexa::idx member variable is changed to private and HxLoc3Hexa::getIdx() accessor(s) (is/are) added.

Changes to HxLoc3Tetra (Package hxfield)

» The HxLoc3Tetra::theGrid member variable is renamed to HxLoc3Tetra::m_grid.

» The HxLoc3Tetra::b member variable is renamed to HxLoc3Tetra::m_barCoords.

» The HxLoc3Tetra::idx member variable is renamed to HxLoc3Tetra::m_idx.

» The HxLoc3Tetra::isInTetra() method signature is changed to use bool isInTetra (const McVec3f &point, int iTetra) instead of int isInTetra (float x, float y, float z, int iTetra).

» The HxLoc3Tetra::move() virtual method signature is changed to use virtual bool move (const McVec3f &pos) instead of virtual int move (float x, float y, float z).

» The HxLoc3Tetra::set() virtual method signature is changed to use virtual bool set (const McVec3f &pos) instead of virtual int set (float x, float y, float z).

» The HxLoc3Tetra::computeBarycentricCoords() method signature is changed to use void computeBarycentricCoords (const McVec3f &point, int iTetra) instead of void computeBarycentricCoords (float x, float y, float z, int iTetra).

Changes to HxLoc3Uniform (Package hxfield)

» The HxLoc3Uniform::coords member variable is renamed to HxLoc3Uniform::m_coords.

» The HxLoc3Uniform::fx member variable is removed.

» The HxLoc3Uniform::fy member variable is removed.

» The HxLoc3Uniform::fz member variable is removed.
» The HxLoc3Uniform::move() virtual method signature is changed to use virtual bool move (const McVec3f &pos) instead of virtual int move (float x, float y, float z).

» The HxLoc3Uniform::set() virtual method signature is changed to use virtual bool set (const McVec3f &pos) instead of virtual int set (float x, float y, float z).

Changes to HxLocation3 (Package hxfield)

» The HxLocation3::HxLocation3() method signature is changed to use HxLocation3 (const McVec3f &loc) instead of HxLocation3 (float X, float Y, float Z).

» The HxLocation3::x member variable is removed.

» The HxLocation3::y member variable is removed.

» The HxLocation3::z member variable is removed.

» The HxLocation3::move() virtual method signature is changed to use virtual bool move (const McVec3f &pos) instead of virtual int move (float x, float y, float z).

» The HxLocation3::set() virtual method signature is changed to use virtual bool set (const McVec3f &pos) instead of virtual int set (float x, float y, float z).

» The HxLocation3::getLocation() method is removed.

» The HxLocation3::operator() method signature is changed to use operator const McVec3f & () const instead of operator const float * () const.

Changes to HxRegColorField3 (Package hxfield)

» The HxRegColorField3::lattice member variable is changed to private and HxRegColorField3::lattice() accessor(s) (is/are) added.

» The HxRegColorField3::HxRegColorField3() method signature is changed to use HxRegColorField3 (const McDim3l &dims, HxCoordType cType, void *data=NULL) instead of HxRegColorField3 (const int dims[3], HxCoordType cType, void *data=0).

» The HxRegColorField3::writeAmiraMesh() method is removed.

» The HxRegColorField3::writeAvizo() method is removed.

» The HxRegColorField3::create() method signature is changed to use McDim3l type instead of int [3] type.

» The HxRegColorField3::getMemSize() virtual method signature is changed to use virtual mcint64 getMemSize (const McBox3f &box, bool *sizeOk) const instead of virtual bool getMemSize (mcuint64 &size, const McBox3f &box).

Changes to HxRegField3 (Package hxfield)

» The HxRegField3::lattice member variable is changed to private and HxRegField3::lattice() accessor(s) (is/are) added.

» The HxRegField3::HxRegField3() method signature is changed to use McDim3l type instead of int [3]
Changes to HxRegScalarField3 (Package hxfield)

» The HxRegScalarField3::lattice member variable is changed to private and HxRegScalarField3::lattice() accessor(s) (is/are) added.

» The HxRegScalarField3::HxRegScalarField3() method signature is changed to use McDim3l type instead of int [3] type.

» The HxRegScalarField3::getMemSize() virtual method signature is changed to use virtual mcint64 getMemSize (const McBox3f &box, bool *sizeOk) const instead of virtual bool getMemSize (mcuint64 &size, const McBox3f &box).

» The HxRegScalarField3::getRow() method is removed.

» The HxRegScalarField3::putRow() method is removed.

Changes to HxRegVectorField3 (Package hxfield)

» The HxRegVectorField3::lattice member variable is changed to private and HxRegVectorField3::lattice() accessor(s) (is/are) added.

» The HxRegVectorField3::HxRegVectorField3() method signature is changed to use McDim3l type instead of int [3] type.

» The HxRegVectorField3::computeMagnitudeRange() method signature is changed to use mcint64 type instead of mculong type.

Changes to HxTetraData (Package hxfield)

» The HxTetraData::theEncoding member variable is removed.

» The HxTetraData::portGrid member variable is removed.

» The HxTetraData::theGrid member variable is removed.

» The HxTetraData::m_octreeMutex member variable is removed.

» The HxTetraData::m_hasUndefinedValue member variable is removed.

» The HxTetraData::m_undefinedValue member variable is removed.

» The HxTetraData::theData member variable is removed.

» The HxTetraData::derivativePLExact() method is removed.

» The HxTetraData::numNodes member variable is removed.

» The HxTetraData::setGrid() method signature is changed to return boolean type instead of integer type.

» The HxTetraData::theNDataVar member variable is removed.

» The HxTetraData::interpol() method signature is changed to return boolean type instead of integer type.
Changes to HxTetraField3 (Package hxfield)

» The HxTetraField3::data member variable is changed to private and HxTetraField3::tetraData() accessor(s) (is/are) added.

Changes to HxTetraGrid (Package hxfield)

» The HxTetraGrid::getCoords() virtual method signature is changed to return McArray<McVec3f> type instead of McVec3f type.

» The HxTetraGrid::getNumPoints() method is removed.

» The HxTetraGrid::add() method signature is changed to use boolean type instead of integer type.

Changes to HxTetraScalarField3 (Package hxfield)

» The HxTetraScalarField3::encoding() method is removed.

» The HxTetraScalarField3::data member variable is changed to private and HxTetraScalarField3::tetraData() accessor(s) (is/are) added.

» The HxTetraScalarField3::grid() method is removed.

» The HxTetraScalarField3::PER_VERTEX enum is removed.

» The HxTetraScalarField3::PER_TETRA_VERTEX enum is removed.

» The HxTetraScalarField3::PER_TETRA enum is removed.

» The HxTetraScalarField3::dataPtr() method is removed.

Changes to HxTetraVectorField3 (Package hxfield)

» The HxTetraVectorField3::data member variable is changed to private and HxTetraVectorField3::tetraData() accessor(s) (is/are) added.

» The HxTetraVectorField3::grid() method is removed.

» The HxTetraVectorField3::dataPtr() method is removed.

Changes to HxUniformColorField3 (Package hxfield)

» The HxUniformColorField3::HxUniformColorField3() method signature is changed to use McDim3l type instead of int [3] type.

» The HxUniformColorField3::bbox() method is removed.

Changes to HxUniformCoord3 (Package hxfield)

» The HxUniformCoord3::HxUniformCoord3() method signature is changed to use McDim3l type instead of int [3] type.
» The HxUniformCoord3::bbox() method is removed.

» The HxUniformCoord3::theBBox member variable is removed.

» The HxUniformCoord3::crop() method signature is changed to return void type instead of boolean type.

» The HxUniformCoord3::getBoundingBox() virtual method signature is changed to use virtual const McBox3f & getBoundingBox () const instead of virtual void getBoundingBox (float bbox [6]) const.

» The HxUniformCoord3::pos() virtual method signature is changed to use virtual McVec3f pos (const McVec3i &idx3) const instead of virtual void pos (int i, int j, int k, float *res) const.

» The HxUniformCoord3::resize() virtual method signature is changed to use McDim3l type instead of int [3] type.

» The HxUniformCoord3::setBoundingBox() virtual method signature is changed to use McBox3f type instead of float [6] type.

» The HxUniformCoord3::copyBoundingBox() method is removed.

Changes to HxUniformLabelField3 (Package hxfield)

» The HxUniformLabelField3::labelLat member variable is changed to private and HxUniformLabelField3::labelLattice() accessor(s) (is/are) added.

» The HxUniformLabelField3::HxUniformLabelField3() method signature is changed to use McDim3l type instead of int [3] type.

» The HxUniformLabelField3::dataPtr() method is removed.

» The HxUniformLabelField3::autoConnect() virtual method signature is changed to return boolean type instead of integer type.

» The HxUniformLabelField3::createColorMaterials() method signature is changed to use void createColorMaterials (const QString &label, const McBitfield &usedLabels, const HxColormap *cmap, bool mix) instead of void createColorMaterials (const McString &label, int numMaterials, HxColormap *cmap=0, int32_t *usedLabels=0, bool mix=false).

» The HxUniformLabelField3::getSize() method is removed.

» The HxUniformLabelField3::resize() method is removed.

Changes to HxUniformScalarField3 (Package hxfield)

» The HxUniformScalarField3::HxUniformScalarField3() method signature is changed to use McDim3l type instead of int [3] type.

» The HxUniformScalarField3::bbox() method is removed.

» The HxUniformScalarField3::computeDivergence() method signature is changed to return boolean type instead of integer type.

Changes to HxUniformVectorField3 (Package hxfield)

» The HxUniformVectorField3::HxUniformVectorField3() method signature is changed to use McDim3l type instead of int [3] type.

» The HxUniformVectorField3::bbox() method is removed.

» The HxUniformVectorField3::computeDivergence() method signature is changed to return boolean type instead of integer type.

» The HxUniformVectorField3::computeGradient() method signature is changed to return void type instead of integer type.

» The HxUniformVectorField3::computeRotation() method signature is changed to return void type instead of integer type.

Changes to TetraGrid (Package hxfield)

» The TetraGrid::params member variable is changed to protected and TetraGrid::params() accessor(s) (is/are) added.

» The TetraGrid::edges member variable is changed to protected and TetraGrid::edges() accessor(s) (is/are) added.

» The TetraGrid::edgesPerTetra member variable is changed to protected and TetraGrid::edgesPerTetra() accessor(s) (is/are) added.

» The TetraGrid::tetrasPerPoint member variable is changed to protected and TetraGrid::tetrasPerPoint() accessor(s) (is/are) added.

» The TetraGrid::points member variable is changed to protected and TetraGrid::points() accessor(s) (is/are) added.

» The TetraGrid::tetras member variable is changed to protected and TetraGrid::tetras() accessor(s) (is/are) added.

» The TetraGrid::triangles member variable is changed to protected and TetraGrid::triangles() accessor(s) (is/are) added.

» The TetraGrid::materialIds member variable is changed to protected and TetraGrid::materialIds() accessor(s) (is/are) added.

» The TetraGrid::octree member variable is changed to protected and TetraGrid::octree() accessor(s) (is/are) added.

» The TetraGrid::bisectEdge() method signature is changed to return boolean type instead of integer type.

» The TetraGrid::checkConsistency() method signature is changed to return boolean type instead of integer type.

» The TetraGrid::isBoundaryConditionEdge() method signature is changed to return boolean type instead of integer type.

» The TetraGrid::isBoundaryEdge() method signature is changed to return boolean type instead of integer type.

» The TetraGrid::isObsoleteTetra() method signature is changed to return boolean type instead of integer type.

» The TetraGrid::isObsoleteTriangle() method signature is changed to return boolean type instead of integer type.

» The TetraGrid::numDuplicatedNodes member variable is changed to protected and TetraGrid::getNumDuplicatedNodes(), TetraGrid::setNumDuplicatedNodes() accessor(s) (is/are) added.
» The TetraGrid::edgePIdx() method is removed.
» The TetraGrid::tetraEIdx() method is removed.

Changes to PzAxis (Package hxplot)

» The PzAxis::PzAxis() method signature is changed to use McBox2f type instead of PzBndBox type.
» The PzAxis::theIntersection member variable is removed.
» The PzAxis::currZoomPan member variable is removed.
» The PzAxis::isAxisAttrForZoomOrPan member variable is removed.
» The PzAxis::panEnabled member variable is removed.
» The PzAxis::zoomEnabled member variable is removed.
» The PzAxis::min_int enum is renamed to PzAxis::IM_MIN.
» The PzAxis::mid_int enum is renamed to PzAxis::IM_MID.
» The PzAxis::max_int enum is renamed to PzAxis::IM_MAX.
» The PzAxis::zero_int enum is renamed to PzAxis::IM_ZERO.
» The PzAxis::user_int enum is renamed to PzAxis::IM_USER.
» The PzAxis::theOppPosition member variable is removed.
» The PzAxis::thePosition member variable is removed.
» The PzAxis::automatic_0 member variable is removed.
» The PzAxis::automatic_1 member variable is removed.
» The PzAxis::m_canPanAndZoomOnXAxis member variable is removed.
» The PzAxis::m_canPanAndZoomOnYAxis member variable is removed.
» The PzAxis::nicenum_0 member variable is removed.
» The PzAxis::nicenum_1 member variable is removed.
» The PzAxis::numticks_0 member variable is removed.
» The PzAxis::numticks_1 member variable is removed.
» The PzAxis::showBox member variable is changed to private and PzAxis::isShowBox() accessor(s) (is/are) added.
» The PzAxis::getIntersection() method signature is changed to use PzAxisIntersectMode type instead of integer type.
» The PzAxis::setIntersection() method signature is changed to use PzAxisIntersectMode type instead of integer type.
Changes to PzBaseAxis (Package hxplot)

» The PzBaseAxis::m_tLabels member variable is removed.
» The PzBaseAxis::currArea member variable is removed.
» The PzBaseAxis::currAutoWorld member variable is removed.
» The PzBaseAxis::currWorld member variable is removed.
» The PzBaseAxis::getMinMax() method signature is changed to return McBox2f type instead of PzBndBox type.
» The PzBaseAxis::SHO enum is renamed to PzBaseAxis::SHOW.
» The PzBaseAxis::setMinMax() method signature is changed to use McBox2f type instead of PzBndBox type.
» The PzBaseAxis::setTickLabels() method signature is changed to use QStringList type instead of McDArray < McString > type.

Changes to PzBaseObject (Package hxplot)

» The PzBaseObject::toBeUsed() method is removed.
» The PzBaseObject::PzCHANGEPERMISSION enum is renamed to PzBaseObject::PZ_CHANGE_PERMISSION.
» The PzBaseObject::PzDELETE enum is renamed to PzBaseObject::PZ_DELETE.
» The PzBaseObject::PzCHANGE enum is renamed to PzBaseObject::PZ_CHANGE.
» The PzBaseObject::PzEDIT enum is renamed to PzBaseObject::PZ_EDIT.
» The PzBaseObject::PzINTERACTION enum is renamed to PzBaseObject::PZ_INTERACTION.

Changes to PzCurve (Package hxplot)

» The PzCurve::PzLINECURVE enum is renamed to PzCurve::PZ_LINE_CURVE.
» The PzCurve::PzHISTOGRAM enum is renamed to PzCurve::PZ_HISTOGRAM.
» The PzCurve::PzMARKEDCURVE enum is renamed to PzCurve::PZ_MARKED_CURVE.
» The PzCurve::PzMARKER enum is renamed to PzCurve::PZ_MARKER.
» The PzCurve::PzIMPULS enum is renamed to PzCurve::PZ_IMPULS.

Changes to PzEasyPlot (Package hxplot)

» The PzEasyPlot::myAxis member variable is removed.
» The PzEasyPlot::myGrid member variable is removed.
» The PzEasyPlot::myLegend member variable is removed.
» The PzEasyPlot::myDataGroup member variable is removed.
» The PzEasyPlot::withGrid member variable is removed.
» The PzEasyPlot::withLegend member variable is removed.
» The PzEasyPlot::autoupdate member variable is removed.
» The PzEasyPlot::assignAttr() method is removed.
» The PzEasyPlot::createTree() method is removed.
» The PzEasyPlot::remDataNotInList() method signature is changed to use QStringList type instead of McDArray < McString > type.
» The PzEasyPlot::PzOver enum is renamed to PzEasyPlot::PZ_OVER.
» The PzEasyPlot::PzLeft enum is renamed to PzEasyPlot::PZ_LEFT.
» The PzEasyPlot::PzRight enum is renamed to PzEasyPlot::PZ_RIGHT.
» The PzEasyPlot::PzBottom enum is renamed to PzEasyPlot::PZ_BOTTOM.
» The PzEasyPlot::PzTop enum is renamed to PzEasyPlot::PZ_TOP.

Changes to PzGenPlot (Package hxplot)
» The PzGenPlot::theAnchor member variable is removed.

Changes to PzGrid (Package hxplot)
» The PzGrid::myAxis member variable is removed.
» The PzGrid::theMax member variable is removed.
» The PzGrid::theMin member variable is removed.
» The PzGrid::theOrigMax member variable is removed.
» The PzGrid::theOrigMin member variable is removed.
» The PzGrid::myAxisType member variable is removed.
» The PzGrid::numSubticks member variable is removed.
» The PzGrid::numTicks member variable is removed.
» The PzGrid::theQuadrant member variable is removed.
» The PzGrid::getAxisType() method signature is changed to return PzAxisType type instead of integer type.
» The PzGrid::PzNoGrid enum is renamed to PzGrid::PZ_NO_GRID.
» The PzGrid::PzCrossGrid enum is renamed to PzGrid::PZ_CROSS_GRID.
» The PzGrid::PzVerticalGrid enum is renamed to PzGrid::PZ_VERTICAL_GRID.
The `PzGrid::PzHorizontalGrid` enum is renamed to `PzGrid::PZ_HORIZONTAL_GRID`.

**Changes to `PzLegend` (Package `hxplot`)**

- The `PzLegend::LEGENDBLOCK` enum is renamed to `PzLegend::LEGEND_BLOCK`.
- The `PzLegend::NAMEBLOCK` enum is renamed to `PzLegend::NAME_BLOCK`.
- The `PzLegend::NAMELIST` enum is renamed to `PzLegend::NAME_LIST`.
- The `PzLegend::delta` member variable is removed.
- The `PzLegend::startX` member variable is removed.
- The `PzLegend::startY` member variable is removed.
- The `PzLegend::numCols` member variable is removed.
- The `PzLegend::numRows` member variable is removed.

**Changes to `PzMarkerline` (Package `hxplot`)**

- The `PzMarkerline::myLabel` member variable is removed.
- The `PzMarkerline::probeCurve` member variable is removed.
- The `PzMarkerline::axisMax` member variable is removed.
- The `PzMarkerline::axisMin` member variable is removed.
- The `PzMarkerline::axisOrigMax` member variable is removed.
- The `PzMarkerline::axisOrigMin` member variable is removed.
- The `PzMarkerline::axisType` member variable is removed.

**Changes to `PzPlot` (Package `hxplot`)**

- The `PzPlot::myFileDialog` member variable is removed.
- The `PzPlot::currBGCol` member variable is removed.
- The `PzPlot::theDataImporter` member variable is removed.
- The `PzPlot::theObjectEditor` member variable is removed.
- The `PzPlot::mainWindow` member variable is removed.

**Changes to `PzPlotArea` (Package `hxplot`)**

- The `PzPlotArea::getArea()` method signature is changed to return `McBox2f` type instead of `PzBndBox` type.
- The `PzPlotArea::PzPlotArea()` method signature is changed to use `McBox2f` type instead of `PzBndBox` type.
» The PzPlotArea::setArea() method signature is changed to use McBox2f type instead of PzBndBox type.

**Changes to PzPlotObject (Package hxplot)**

» The PzPlotObject::theScript member variable is removed.
» The PzPlotObject::callInitProc member variable is removed.
» The PzPlotObject::theLabel member variable is removed.
» The PzPlotObject::getScript() method signature is changed to return QString type instead of char* type.
» The PzPlotObject::myNormTr member variable is removed.
» The PzPlotObject::getTheData() method is renamed to PzPlotObject::getData().
» The PzPlotObject::setScript() method signature is changed to use QString type instead of char* type.

**Changes to PzScatter (Package hxplot)**

» The PzScatter::currCmap member variable is removed.
» The PzScatter::howtoRender member variable is removed.
» The PzScatter::PzSIZEDPOINTS enum is renamed to PzScatter::PZ_SIZED_POINTS.
» The PzScatter::PzCOLOREDPOINTS enum is renamed to PzScatter::PZ_COLORED_POINTS.
» The PzScatter::PzCOLSIZEDPOINTS enum is renamed to PzScatter::PZ_COLSIZED_POINTS.
» The PzScatter::zmax member variable is removed.
» The PzScatter::zmin member variable is removed.
» The PzScatter::cmapAutomatic member variable is removed.

**Changes to HxPortDrawStyle (Package hxsurface)**

» The HxPortDrawStyle::backfaceAction member variable is removed.
» The HxPortDrawStyle::bothFaceAction member variable is removed.
» The HxPortDrawStyle::constAlphaAction member variable is removed.
» The HxPortDrawStyle::createSurfaceAction member variable is removed.
» The HxPortDrawStyle::directNormalAction member variable is removed.
» The HxPortDrawStyle::fancyAlphaAction member variable is removed.
» The HxPortDrawStyle::frontFaceAction member variable is removed.
» The HxPortDrawStyle::gouraudAction member variable is removed.
» The HxPortDrawStyle::opaqueAction member variable is removed.
» The HxPortDrawStyle::sortingAction member variable is removed.
» The HxPortDrawStyle::specularAction member variable is removed.
» The HxPortDrawStyle::textureAction member variable is removed.
» The HxPortDrawStyle::triNormalAction member variable is removed.
» The HxPortDrawStyle::vertexNormalAction member variable is removed.
» The HxPortDrawStyle::alphaActionGroup member variable is removed.
» The HxPortDrawStyle::cullingActionGroup member variable is removed.
» The HxPortDrawStyle::normalActionGroup member variable is removed.
» The HxPortDrawStyle::shadingActionGroup member variable is removed.
» The HxPortDrawStyle::comboBox member variable is removed.
» The HxPortDrawStyle::m_labelColorButton member variable is removed.
» The HxPortDrawStyle::m_labelLineWidth member variable is removed.
» The HxPortDrawStyle::m_optionsButton member variable is removed.
» The HxPortDrawStyle::m_colorButton member variable is removed.
» The HxPortDrawStyle::m lineWidth member variable is removed.
» The HxPortDrawStyle::drawStyle member variable is removed.
» The HxPortDrawStyle::hasCullingControls member variable is removed.
» The HxPortDrawStyle::hasNormalControls member variable is removed.
» The HxPortDrawStyle::textureFlag member variable is removed.

» The HxPortDrawStyle::getState() virtual method signature is changed to use QString type instead of McString type.
» The HxPortDrawStyle::popupActivated() method is removed.
» The HxPortDrawStyle::setSensitivity() method is removed.

Changes to HxSurface (Package hxsurface)

» The HxSurface::HxSurface() method signature is changed to use HxSurface (int nPoints, int nContours, int nPatches) instead of HxSurface (int nPoints, int nContours, int nPatches, int nSurfaces).

« The HxSurface::textureCoords member variable is removed.
» The HxSurface::getTextureCoords() method is removed.
» The HxSurface::getArea() method is removed.
» The HxSurface::getMaxEdgeLength() method is removed.
The HxSurface::getMeanEdgeLength() method is removed.
The HxSurface::getMinEdgeLength() method is removed.
The HxSurface::getVolume() method is removed.
The HxSurface::maxEdgeLengthOfTriangle() method is removed.
The HxSurface::meanEdgeLengthOfTriangle() method is removed.
The HxSurface::minEdgeLengthOfTriangle() method is removed.
The HxSurface::hasTextureCoords() method is removed.
The HxSurface::mergeDuplicateGridVertices() method is removed.
The HxSurface::removeSmallPatches() method is removed.
The HxSurface::getNumPoints() method is removed.

The HxSurface::getCoords() method signature is changed to return McArray<McVec3f> type instead of McVec3f type.
The HxSurface::copyMaterials() method is removed.

Changes to HxSurfaceField (Package hxsurface)

The HxSurfaceField::encoding member variable is renamed to HxSurfaceField::m_encoding.
The HxSurfaceField::theSurface member variable is removed.
The HxSurfaceField::OnNodes enum is renamed to HxSurfaceField::ON_NODES.
The HxSurfaceField::OnTriangles enum is renamed to HxSurfaceField::ON_TRIANGLES.
The HxSurfaceField::OnTriangleNodes enum is renamed to HxSurfaceField::ON_TRIANGLES_NODE.
The HxSurfaceField::theData member variable is removed.
The HxSurfaceField::numNodes member variable is removed.
The HxSurfaceField::setSurface() method is removed.
The HxSurfaceField::theNDataVar member variable is removed.

Changes to HxTriBase (Package hxsurface)

The HxTriBase::_selectVisibleOnly member variable is renamed to HxTriBase::m_selectVisibleOnly.
The HxTriBase::selectVisibleOnly() method is renamed to HxTriBase::getSelectVisibleOnly().
The HxTriBase::isHighlighted() method is removed.
The HxTriBase::isSelected() method is removed.
The HxTriBase::highlightAllTriangles() method is removed.
» The HxTriBase::highlightTriangle() method is removed.
» The HxTriBase::selectAllTriangles() method is removed.
» The HxTriBase::selectTriangle() method is removed.
» The HxTriBase::selectTriangles() method is removed.
» The HxTriBase::selectVisibleOnly() method is renamed to HxTriBase::setSelectVisibleOnly().

Changes to HxDynamicDataCtrl (Package hxtime)

» The HxDynamicDataCtrl::currentPhysicalTime member variable is renamed to HxDynamicDataCtrl::m_currentPhysicalTime.
» The HxDynamicDataCtrl::physicalTimeRange member variable type is changed to use McRangeF instead of float [2].
» The HxDynamicDataCtrl::currentMode member variable type is changed to use TimeMode instead of integer.
» The HxDynamicDataCtrl::currentTimeStep member variable type is changed to use McRangeF instead of float [2].
» The HxDynamicDataCtrl::timeStepRange member variable type is changed to use McRangeI instead of integer [2].

Changes to HxDynamicSeriesCtrl (Package hxtime)

» The HxDynamicSeriesCtrl::objectInfo member variable is renamed to HxDynamicSeriesCtrl::m_objectInfo.
» The HxDynamicSeriesCtrl::timeSteps member variable is renamed to HxDynamicSeriesCtrl::m_timeSteps.
» The HxDynamicSeriesCtrl::loadCmd member variable type is changed to use QString instead of McString.
» The HxDynamicSeriesCtrl::canCreateData() virtual method signature is changed to use virtual bool canCreateData (HxData *data, QString &createCmd) instead of virtual int canCreateData (HxData *, McString &createCmd).

Changes to HxDynamicSeriesCtrl::ObjectInfo (Package hxtime)

» The HxDynamicSeriesCtrl::ObjectInfo::selected struct member is removed.

Changes to HxPortTime (Package hxtime)

» The HxPortTime::setAnimationMode() method signature is changed to use AnimationMode type instead of integer type.
» The HxPortTime::play() method signature is changed to use boolean type instead of integer type.
» The HxPortTime::getDiscrete() method signature is changed to return boolean type instead of integer.
» The HxPortTime::more member variable is removed.
» The HxPortTime::theFormat member variable is removed.
» The HxPortTime::timeSlider member variable is removed.
» The HxPortTime::theIncrement member variable is removed.
» The HxPortTime::theMaxValue member variable is removed.
» The HxPortTime::theMinValue member variable is removed.
» The HxPortTime::theRealTimeFactor member variable is removed.
» The HxPortTime::theSubMaxValue member variable is removed.
» The HxPortTime::theSubMinValue member variable is removed.
» The HxPortTime::theValue member variable is removed.
» The HxPortTime::theAnimationFlag member variable is removed.
» The HxPortTime::theAnimationMode member variable is removed.
» The HxPortTime::theDiscreteFlag member variable is removed.
» The HxPortTime::theForwardFlag member variable is removed.
» The HxPortTime::theInitAppendFlag member variable is removed.
» The HxPortTime::theNoWidgetFlag member variable is removed.
» The HxPortTime::thePlayDelay member variable is removed.
» The HxPortTime::theTimeOutFlag member variable is removed.
» The HxPortTime::theTrackingFlag member variable is removed.
» The HxPortTime::commonInit() method is removed.
» The HxPortTime::setPlayButtonState() method is removed.
» The HxPortTime::getState() virtual method signature is changed to use QString type instead of McString type.

Changes to QxPortTimeNotifier (Package hxtime)

» The QxPortTimeNotifier::play() method signature is changed to use boolean type instead of integer type.

Changes to HxPortSliderUnits (Package hxunits)

» The HxPortSliderUnits::m_originalLabel member variable is removed.
» The HxPortSliderUnits::m_exponent member variable is removed.
Changes to HxPortTextNUnits (Package hxunits)

» The HxPortTextNUnits::m_originalLabel member variable is removed.
» The HxPortTextNUnits::m_exponent member variable is removed.

Changes to HxDisplayVertices (Package hxvertexset)

» The HxDisplayVertices::gatherPickInfo() virtual method signature is changed to use QString type instead of McString type.

Changes to SoQuadricSphereSetRenderer (Package hxvertexset)

» The SoQuadricSphereSetRenderer::m_shapeSet member variable is removed.
» The SoQuadricSphereSetRenderer::hasRayPick() method is removed.
» The SoQuadricSphereSetRenderer::GLRender() method is removed.
» The SoQuadricSphereSetRenderer::generatePrimitives() method is removed.
» The SoQuadricSphereSetRenderer::rayPick() method is removed.

Changes to SoSphereDetail (Package hxvertexset)

» The SoSphereDetail::sphereIndex member variable is removed.

Changes to SoSphereSet (Package hxvertexset)

» The SoSphereSet::UNSET enum is removed.
» The SoSphereSet::SET enum is removed.
» The SoSphereSet::TOGGLE enum is removed.
» The SoSphereSet::defaultColor member variable is removed.
» The SoSphereSet::defaultRadius member variable is removed.
» The SoSphereSet::createPointDetail() virtual method is removed.
» The SoSphereSet::createTriangleDetail() virtual method is removed.
» The SoSphereSet::GLRender() virtual method is removed.
» The SoSphereSet::computeBBox() virtual method is removed.
» The SoSphereSet::generatePrimitives() virtual method is removed.
» The SoSphereSet::rayPick() virtual method is removed.

Changes to SoText2Set (Package hxvertexset)
» The SoText2Set::selectLabel() method signature is changed to use BitMode type instead of integer type.

» The SoText2Set::selectLabels() method signature is changed to use BitMode type instead of integer type.

» The SoText2Set::selectAllLabels() method signature is changed to use BitMode type instead of integer type.

» The SoText2Set::textRenderer member variable is removed.

» The SoText2Set::colors member variable is removed.

» The SoText2Set::color_indices member variable is removed.

» The SoText2Set::depthOffset member variable is removed.

» The SoText2Set::colorTable member variable is removed.

» The SoText2Set::color member variable is removed.

» The SoText2Set::defaultColor member variable is removed.

» The SoText2Set::highlightColor member variable is removed.

» The SoText2Set::subSceneValid member variable is removed.

» The SoText2Set::useGlobalOffset member variable is removed.

» The SoText2Set::UNSET enum is renamed to SoText2Set::OFF.

» The SoText2Set::SET enum is renamed to SoText2Set::ON.

» The SoText2Set::TOGGLE enum is renamed to SoText2Set::TOGGLE_VISIBILITY.

» The SoText2Set::defaultOffset member variable is removed.

» The SoText2Set::globalOffset member variable is removed.

» The SoText2Set::opacity member variable is removed.

» The SoText2Set::nLabelStrings member variable is removed.

» The SoText2Set::nLabels member variable is removed.

» The SoText2Set::nOffsets member variable is removed.

» The SoText2Set::nVisible member variable is removed.

» The SoText2Set::GLRender() method is removed.

» The SoText2Set::GLRenderBelowPath() method is removed.

» The SoText2Set::GLRenderInPath() method is removed.

» The SoText2Set::GLRenderOffPath() method is removed.

» The SoText2Set::computeBBox() method is removed.

» The SoText2Set::generatePrimitives() method is removed.
» The SoText2Set::renderText() method is removed.
» The SoText2Set::setColorHighlighted() method is removed.
» The SoText2Set::setupScene() method is removed.
» The SoText2Set::isVisible() method signature is changed to return boolean type instead of integer type.
» The SoText2Set::setUseIndices() method signature is changed to use boolean type instead of unsigned char type.

Changes to HxObjectGroupEventTracker (Package hxworkroom)
» The HxObjectGroupEventTracker::m_trackedObject member variable is removed.
» The HxObjectGroupEventTracker::m_listenedOwner member variable is removed.
» The HxObjectGroupEventTracker::m_state member variable is removed.

Changes to HxPanel (Package hxworkroom)
» The HxPanel::defaultGeometry() method is renamed to HxPanel::getDefaultGeometry().
» The HxPanel::m_defaultFlags member variable is removed.
» The HxPanel::m_featureFlags member variable is removed.
» The HxPanel::m_icon member variable is removed.
» The HxPanel::m_defaultGeometry member variable is removed.
» The HxPanel::m_sizePolicy member variable is removed.
» The HxPanel::m_actionText member variable is removed.
» The HxPanel::m_name member variable is removed.
» The HxPanel::m_title member variable is removed.
» The HxPanel::m_tooltip member variable is removed.
» The HxPanel::m_allowedAreas member variable is removed.
» The HxPanel::m_isPanelActive member variable is removed.
» The HxPanel::VisibleByDefault member variable is renamed to HxPanel::VISIBLE_BY_DEFAULT.
» The HxPanel::DockedByDefault member variable is renamed to HxPanel::DOCKED_BY_DEFAULT.
» The HxPanel::EnabledByDefault member variable is renamed to HxPanel::ENABLED_BY_DEFAULT.
» The HxPanel::LeftAreaByDefault member variable is renamed to HxPanel::LEFT_AREA_BY_DEFAULT.
» The HxPanel::RightAreaByDefault member variable is renamed to HxPanel::RIGHT_AREA_BY_DEFAULT.
» The HxPanel::TopAreaByDefault member variable is renamed to HxPanel::TOP_AREA_BY_DEFAULT.

» The HxPanel::BottomAreaByDefault member variable is renamed to HxPanel::BOTTOM_AREA_BY_DEFAULT.

» The HxPanel::NoFeatureFlags member variable is renamed to HxPanel::NO_FEATURE_FLAGS.

» The HxPanel::Closable member variable is renamed to HxPanel::CLOSABLE.

Changes to HxPanelManager (Package hxworkroom)

» The HxPanelManager::m_panels member variable is removed.

» The HxPanelManager::m_panelsVisibleBeforeHideAction member variable is removed.

» The HxPanelManager::m_panelsLayoutsByDefault member variable is removed.

» The HxPanelManager::m_selectedTabifiedDock member variable is removed.

» The HxPanelManager::restoreLayout() virtual method signature is changed to use virtual void restoreLayout (bool restoreAsDefaultLayout=false, bool initialization=false) instead of virtual void restoreLayout (bool restoreAsDefaultLayout=false).

» The HxPanelManager::hideAllUnallowedGlobalPanels() method is removed.

» The HxPanelManager::restoreDefaultPanelsProperties() method signature is changed to use void restoreDefaultPanelsProperties (bool restoreAsDefaultLayout=false) instead of void restoreDefaultPanelsProperties ().

Changes to HxSubWorkroom (Package hxworkroom)

» The HxSubWorkroom::m_behaviors member variable is removed.

» The HxSubWorkroom::m_workroom member variable is removed.

» The HxSubWorkroom::m_label member variable is removed.

» The HxSubWorkroom::BehaviorList member variable is removed.

» The HxSubWorkroom::addBehavior() method is removed.

» The HxSubWorkroom::removeBehavior() method is removed.

Changes to HxWorkroom (Package hxworkroom)

» The HxWorkroom::m_behaviors member variable is removed.

» The HxWorkroom::m_objectGroupEventTracker member variable is removed.

» The HxWorkroom::m_activeSubWorkroom member variable is removed.

» The HxWorkroom::subWorkroomOfActivateAction() method is removed.

» The HxWorkroom::activateActionOfSubWorkroom() method is removed.
» The HxWorkroom::m_activateActionGroup member variable is removed.

» The HxWorkroom::m_enabledSubWorkrooms member variable is removed.

» The HxWorkroom::isSupportRemote() method is renamed to HxWorkroom::isRemoteSupported().

» The HxWorkroom::isSupportVR() method is renamed to HxWorkroom::isVrSupported().

» The HxWorkroom::m_supportRemote member variable is removed.

» The HxWorkroom::m_supportVR member variable is removed.

» The HxWorkroom::isSupportRemote() method is renamed to HxWorkroom::isRemoteSupported().

» The HxWorkroom::isSupportVR() method is renamed to HxWorkroom::isVrSupported().

» The HxWorkroom::BehaviorList member variable is removed.

» The HxWorkroom::restoreLayout() virtual method signature is changed to use virtual void
  restoreLayout (bool restoreAsDefaultLayout=false, bool initialization=false) instead of virtual void
  restoreLayout (bool restoreAsDefaultLayout=false).

» The HxWorkroom::onSubWorkroomChanged() method is removed.

» The HxWorkroom::registerSubWorkroom() method is removed.

» The HxWorkroom::removeBehavior() method is removed.

Changes to HxWorkroomBehaviorBase (Package hxworkroom)

» The HxWorkroomBehaviorBase::commonConstructor() method is removed.

Changes to HxWorkroomBehaviorRestoreViewerState (Package hxworkroom)

» The HxWorkroomBehaviorRestoreViewerState::m_homeViewerStateManager member variable is
  removed.

» The HxWorkroomBehaviorRestoreViewerState::m_viewerStateManager member variable is removed.

Changes to HxWorkroomManager (Package hxworkroom)

» The HxWorkroomManager::getActivePanelManager() method is removed.

» The HxWorkroomManager::m_globalPanelManager member variable is removed.

» The HxWorkroomManager::retrievePanelManagerOfPanel() method is removed.

» The HxWorkroomManager::createWorkroomFromInfo() method is removed.

» The HxWorkroomManager::m_activeWorkroom member variable is removed.

» The HxWorkroomManager::workroomOfActivateAction() method is removed.

» The HxWorkroomManager::activateActionOfWorkroom() method is removed.

» The HxWorkroomManager::m_hideAllPanelsAction member variable is removed.

» The HxWorkroomManager::m_activateActionGroup member variable is removed.
» The HxWorkroomManager::m_mainWindow member variable is removed.

» The HxWorkroomManager::m_menu member variable is removed.

» The HxWorkroomManager::m_enabledWorkrooms member variable is removed.

» The HxWorkroomManager::m_userRequestAsEnabledWorkrooms member variable is removed.

» The HxWorkroomManager::m_context member variable is removed.

» The HxWorkroomManager::m_activeWorkroomAtStartup member variable is removed.

» The HxWorkroomManager::m_workrooms member variable is removed.

» The HxWorkroomManager::m_initCalled member variable is removed.

» The HxWorkroomManager::getWorkroomOwner() virtual method signature is changed to use QString type instead of McString type.

» The HxWorkroomManager::addRegistredObjectsBeforeInit() method is removed.

» The HxWorkroomManager::createGui() method is removed.

» The HxWorkroomManager::initLayout() method is removed.

» The HxWorkroomManager::setCentralWidgetFromWorkroom() method is removed.

» The HxWorkroomManager::unsetCentralWidgetOfWorkroom() method is removed.

Changes to HxWorkroomManagerInterface (Package hxworkroom)

» The HxWorkroomManagerInterface::getWorkroomOwner() virtual method signature is changed to use QString type instead of McString type.

Changes to McBitfield (Package mclib)

» The McBitfield::print() method signature is changed to use QString type instead of McString type.

» The McBitfield::print2D() method signature is changed to use QString type instead of McString type.

» The McBitfield::save() method signature is changed to use QString type instead of McString type.

» The McBitfield::load() method signature is changed to use QString type instead of McString type.

Changes to McBox2f (Package mclib)

» The McBox2f::contains() method signature is changed to return boolean type instead of integer type.

» The McBox2f::hasArea() method is removed.

» The McBox2f::intersect() method signature is changed to return boolean type instead of integer type.

» The McBox2f::isEmpty() method is removed.

Changes to McBox2i (Package mclib)
» The McBox2i::getMax() method is removed.

» The McBox2i::getMin() method is removed.

» The McBox2i::contains() method signature is changed to return boolean type instead of integer type.

» The McBox2i::hasArea() method is removed.

» The McBox2i::intersect() method signature is changed to return boolean type instead of integer type.

» The McBox2i::isEmpty() method signature is changed to return boolean type instead of integer type.

» The McBox2i::operator!= method signature is changed to return boolean type instead of integer type.

» The McBox2i::operator== method signature is changed to return boolean type instead of integer type.

» The McBox2i::insert() method is removed.

» The McBox2i::setCorners() method is removed.

Changes to McBox3d (Package mclib)

» The McBox3d::intersectWith() method signature is changed to return boolean type instead of McBox3d type.

» The McBox3d::getIntersectionWithRayFromCenter() method is removed.

» The McBox3d::operator[] method is removed.

» The McBox3d::contains() method signature is changed to return boolean type instead of integer type.

» The McBox3d::intersect() method signature is changed to return boolean type instead of integer type.

» The McBox3d::isConsistent() method is removed.

» The McBox3d::isEmpty() method signature is changed to return boolean type instead of integer type.

» The McBox3d::isNull() method signature is changed to return boolean type instead of integer type.

» The McBox3d::operator!= method signature is changed to return boolean type instead of integer type.

» The McBox3d::operator== method signature is changed to return boolean type instead of integer type.

» The McBox3d::operator() method is removed.

Changes to McBox3f (Package mclib)

» The McBox3f::getVoxelSize() method signature is changed to use McDim3l type instead of McVec3f type.

» The McBox3f::LiangBarskyClipTest() method is removed.

» The McBox3f::clipLine() method is removed.

» The McBox3f::getIntersectionWithRayFromAnywhere() method is removed.

» The McBox3f::getIntersectionWithRayFromCenter() method is removed.
The `McBox3f::contains()` method signature is changed to return boolean type instead of integer type.

The `McBox3f::intersects()` method signature is changed to use `bool intersects (const McBox3f &other, bool withTouch=false)` const instead of `int intersects (const McBox3f &other, int withTouch=0)` const.

The `McBox3f::isConsistent()` method is removed.

The `McBox3f::isEmpty()` method signature is changed to return boolean type instead of integer type.

The `McBox3f::isNull()` method signature is changed to return boolean type instead of integer type.

The `McBox3f::operator!=` method signature is changed to return boolean type instead of integer type.

The `McBox3f::operator==` method signature is changed to return boolean type instead of integer type.

The `McBox3f::operator()` method is removed.

The `McBox3f::getBox()` method is removed.

**Changes to McBox3i (Package mclib)**

The `McBox3i::McBox3i()` method signature is changed to use `McBox3i (int bbox[6])` instead of `McBox3i (int *array)`.

The `McBox3i::contains()` method signature is changed to return boolean type instead of integer type.

The `McBox3i::intersects()` method signature is changed to return boolean type instead of integer type.

The `McBox3i::isConsistent()` method is removed.

The `McBox3i::isEmpty()` method signature is changed to return boolean type instead of integer type.

**Changes to McColor (Package mclib)**

The `McColor::r` member variable is changed to protected and `McColor::getR()`, `McColor::setR()` accessor(s) (is/are) added.

The `McColor::g` member variable is changed to protected and `McColor::getG()`, `McColor::setG()` accessor(s) (is/are) added.

The `McColor::b` member variable is changed to protected and `McColor::getB()`, `McColor::setB()` accessor(s) (is/are) added.

**Changes to McDArray (Package mclib)**

The `McDArray::index()` method is renamed to `McDArray::indexOf()`.

The `McDArray::rindex()` method is renamed to `McDArray::lastIndexOf()`.

The `McDArray::pop()` method signature is changed to use boolean type instead of integer type.

**Changes to McDataPointer (Package mclib)**

The `McDataPointer::McDataPointer()` method signature is changed to use `McPrimType` type instead of
McDataType type.

» The McDataPointer::dataType() method is renamed to McDataPointer::getPrimType().

» The McDataPointer::operator() to void* method is removed.

» The McDataPointer::changeDataPtr() method is removed.

Changes to McDataSpace (Package mclib)

» The McDataSpace::getDimsAsMcDArray() method is removed.

» The McDataSpace::isIdentical() method is removed.

» The McDataSpace::sameSpace() method is renamed to McDataSpace::isSameSpace().

» The McDataSpace::count() method is removed.

» The McDataSpace::selectionSize() method is renamed to McDataSpace::selectionSizes().

» The McDataSpace::selectionStart() method is renamed to McDataSpace::selectionStarts().

» The McDataSpace::start() method is removed.

» The McDataSpace::strides() method is removed.

» The McDataSpace::count() method is removed.

» The McDataSpace::dim() method is removed.

» The McDataSpace::rank() method is removed.

» The McDataSpace::selectionStride() method is renamed to McDataSpace::selectionStrides().

» The McDataSpace::init() method is removed.

» The McDataSpace::restrictDim() method is removed.

» The McDataSpace::restrictSelection() method is removed.

Changes to McLine (Package mclib)

» The McLine::getDirection() method is removed.

» The McLine::getPosition() method is removed.

» The McLine::setValue() method is removed.

Changes to McMat2d (Package mclib)

» The McMat2d::multVecMatrix() method is removed.

Changes to McMat2f (Package mclib)

» The McMat2f::multVecMatrix() method is removed.
Changes to McMat3d (Package mclib)

» The McMat3d::multLeft() method is removed.
» The McMat3d::multRight() method is removed.
» The McMat3d::operator!= method signature is changed to return boolean type instead of integer type.
» The McMat3d::operator== method signature is changed to return boolean type instead of integer type.
» The McMat3d::identity() method is removed.
» The McMat3d::makeIdentity() method is removed.

Changes to McMat3f (Package mclib)

» The McMat3f::multLeft() method is removed.
» The McMat3f::multRight() method is removed.
» The McMat3f::operator!= method signature is changed to return boolean type instead of integer type.
» The McMat3f::operator== method signature is changed to return boolean type instead of integer type.
» The McMat3f::identity() method is removed.
» The McMat3f::makeIdentity() method is removed.
» The McMat3f::operator<< method is removed.
» The McMat3f::print() method is removed.

Changes to McMat4 (Package mclib)

» The McMat4::operator!= method signature is changed to return boolean type instead of integer type.
» The McMat4::operator== method signature is changed to return boolean type instead of integer type.
» The McMat4::identity() method is removed.
» The McMat4::makeIdentity() method is removed.
» The McMat4::print() method is removed.

Changes to McMemoryException (Package mclib)

» The McMemoryException::McMemoryException() method signature is changed to use QString type instead of McString type.
» The McMemoryException::constructErrorMessage() method signature is changed to return QString type instead of McString type.
» The McMemoryException::nbytes member variable is removed.
Changes to McMemorySelection (Package mclib)

» The McMemorySelection::McMemorySelection() method signature is changed to use mcint64 type instead of integer type.

» The McMemorySelection::count() method is removed.

» The McMemorySelection::selectionSize() method is renamed to McMemorySelection::selectionSizes().

» The McMemorySelection::offsets() method signature is changed to return mcint64 type instead of mclong type.

» The McMemorySelection::rank() method is removed.

» The McMemorySelection::selectionElemCount() method signature is changed to return mcint64 type instead of mclong type.

» The McMemorySelection::get() method signature is changed to use mcint64 type instead of mclong type.

» The McMemorySelection::put() method signature is changed to use mcint64 type instead of mclong type.

Changes to McPlane (Package mclib)

» The McPlane::getNormal() method is removed.

» The McPlane::operator!= method signature is changed to return boolean type instead of integer type.

» The McPlane::operator== method signature is changed to return boolean type instead of integer type.

Changes to McPrimType (Package mclib)

» The McPrimType::nameToType() method is renamed to McPrimType::convertNameToType().

» The McPrimType::operator!= method signature is changed to return boolean type instead of integer type.

» The McPrimType::operator== method signature is changed to return boolean type instead of integer type.

Changes to McProgressInterface (Package mclib)

» The McProgressInterface::mCurrentNode member variable is changed to private and McProgressInterface::getCurrentNode() accessor(s) (is/are) added.

» The McProgressInterface::mRoot member variable is changed to private and McProgressInterface::getRoot() accessor(s) (is/are) added.

» The McProgressInterface::mNumSteps member variable is removed.

» The McProgressInterface::mStepsProcessed member variable is removed.

» The McProgressInterface::wasInterrupted() virtual method signature is changed to return boolean type instead of integer type.

» The McProgressInterface::wasSuspended() virtual method signature is changed to return boolean type
Changes to McProgressInterface (Package mclib)

» The McProgressInterface::startWorking() method is removed.
» The McProgressInterface::startWorkingNoStop() method is removed.

Changes to McRawData (Package mclib)

» The McRawData::crop() method signature is changed to return boolean type instead of integer type.
» The McRawData::flip() method signature is changed to return boolean type instead of integer type.

Changes to McRawData2D (Package mclib)

» The McRawData2D::data member variable is removed.
» The McRawData2D::toFree member variable is removed.
» The McRawData2D::bytesPerLine member variable is removed.
» The McRawData2D::bytesPerPixel member variable is removed.
» The McRawData2D::getBytesPerLine() method signature is changed to return mculong type instead of integer type.
» The McRawData2D::isContiguous() method signature is changed to return boolean type instead of integer type.
» The McRawData2D::isLocal() method signature is changed to return boolean type instead of integer type.
» The McRawData2D::nx member variable is removed.
» The McRawData2D::ny member variable is removed.
» The McRawData2D::elemSize member variable is removed.
» The McRawData2D::cleanup() method is removed.

Changes to McRawData3D (Package mclib)

» The McRawData3D::data member variable is removed.
» The McRawData3D::toFree member variable is removed.
» The McRawData3D::dims member variable is removed.
» The McRawData3D::elemSize member variable is removed.
» The McRawData3D::getOffset() method signature is changed to use Orientation type instead of integer type.
» The McRawData3D::accessSlice() method signature is changed to use Orientation type instead of integer type.
» The McRawData3D::cleanup() method is removed.
» The McRawData3D::getDims() method signature is changed to use Orientation type instead of integer type.

» The McRawData3D::getSlice() method signature is changed to use void getSlice (Orientation orientation, int sliceNumber, McRawData2D &result, bool copyData=false) const instead of void getSlice (int orientation, int sliceNumber, McRawData2D &result, int copyData=0) const.

» The McRawData3D::putSlice() method signature is changed to use Orientation type instead of integer type.

Changes to McRot (Package mclib)

» The McRot::operator!= method signature is changed to return boolean type instead of integer type.

» The McRot::operator== method signature is changed to return boolean type instead of integer type.

» The McRot::McRot() method signature is changed to use McVec3T type instead of McVec3 type.

» The McRot::setValue() method signature is changed to use McVec3T type instead of McVec3 type.

» The McRot::equals() method is removed.

» The McRot::identity() method is removed.

» The McRot::getValue() method signature is changed to use McVec3T type instead of McVec3 type.

» The McRot::multVec() method signature is changed to use McVec3T type instead of McVec3 type.

Changes to McTypedData2D (Package mclib)

» The McTypedData2D::myPrimType member variable is removed.

» The McTypedData2D::primType() method is renamed to McTypedData2D::getPrimType().

» The McTypedData2D::typedPtr() method is renamed to McTypedData2D::getTypedPtr().

» The McTypedData2D::myNumDataVar member variable is removed.

» The McTypedData2D::nDataVar() method is renamed to McTypedData2D::getNDataVar().

» The McTypedData2D::init() method is removed.

Changes to McTypedData3D (Package mclib)

» The McTypedData3D::myPrimType member variable is removed.

» The McTypedData3D::primType() method is renamed to McTypedData3D::getPrimType().

» The McTypedData3D::McTypedData3D() method signature is changed to use McDim3l type instead of int* type.

» The McTypedData3D::myNumDataVar member variable is removed.

» The McTypedData3D::nDataVar() method is renamed to McTypedData3D::getNDataVar().
The McTypedData3D::getSlice() method signature is changed to use void getSlice (Orientation orientation, int sliceNumber, McTypedData2D &result, bool copyData=false) const instead of void getSlice (int orientation, int sliceNumber, McTypedData2D &result, int copyData=0) const.

**Changes to McTypedPointer (Package mclib)**

- The McTypedPointer::primType member variable is changed to private and McTypedPointer::getPrimType(), McTypedPointer::setPrimType() accessor(s) (is/are) added.
- The McTypedPointer::data member variable is changed to private and McTypedPointer::getData(), McTypedPointer::setData() accessor(s) (is/are) added.
- The McTypedPointer::operator() to void* method is removed.

**Changes to McTypeInfo (Package mclib)**

- The McTypeInfo::fromName() method is renamed to McTypeInfo::getTypeFromName().
- The McTypeInfo::canCreateInstance() method signature is changed to return boolean type instead of integer type.
- The McTypeInfo::isOfType() method signature is changed to return boolean type instead of integer type.

**Changes to McTypeObject (Package mclib)**

**Changes to McVec2i (Package mclib)**

- The McVec2i::operator!= method signature is changed to return boolean type instead of integer type.
- The McVec2i::operator== method signature is changed to return boolean type instead of integer type.

**Changes to McVec3i (Package mclib)**

- The McVec3i::operator!= method signature is changed to return boolean type instead of integer type.
- The McVec3i::operator== method signature is changed to return boolean type instead of integer type.

**Changes to McVec4 (Package mclib)**

- The McVec4::operator!= method signature is changed to return boolean type instead of integer type.
- The McVec4::operator== method signature is changed to return boolean type instead of integer type.
- The McVec4::operator< method is removed.
- The McVec4::operator> method is removed.

**Changes to McVec4i (Package mclib)**

- The McVec4i::operator!= method signature is changed to return boolean type instead of integer type.
The McVec4i::operator== method signature is changed to return boolean type instead of integer type.

Changes to McVec4l (Package mclib)

The McVec4l::operator!= method signature is changed to return boolean type instead of integer type.