

JPL EXPORT ADMINISTRATION DOCUMENT REVIEW RECORD

Log #: 12121-12140

(Note: This form and process do not replace the procedures described in JPL Policy relating to review and approval of proposals and contractual documents. This process is intended to document the review and coordination of requests to ascertain the export control ramifications relating to specific documents. Export Administration signature does not convey authority to export or release the "Exporter of Record" from any export laws or regulations.)

Program: ISSM: Ice Sheet System Model

Person Requesting or Initiating Export: Dr. Eric Larour

Date Received: Jun-1-2012

Document Title/Description: ISSM changes from revision 12121 to revision 12140

Release to: <http://issm.ess.uci.edu/svn/issm/issm/trunk> on ISSM svn repository

JPL Intranet: murdo.jpl.nasa.gov/proj/ice/larour/issm-uci/trunk-jpl

Disposition: 6 Does not contain export-controlled information. May be released/disclosed as requested subject to Company guidelines on protection of proprietary information (if applicable).

Comments: see table of changes below.

Reviewed by ISSM Export Transfer Liaison: Dr. Eric Larour **Date:** Jun-1-2012



JPL Export Administration Form TBS June 29, 2011

Disposition:

- 1: Public Domain Information (Ref ITAR Section 120.11)
- 2: Qualifies for ITAR Exemption
- 3: Covered by Department of State License/Agreement Number
- 4: Covered by Department of Commerce validated license or exception
- 5: New License Required
- 6: Does not contain export-controlled information. May be released/disclosed as requested subject to Company guidelines on protection of proprietary information (if applicable).
- 7: Other (specify)

Change #1 with diff file ISSM-12121-12122.diff:

Function name:

M /issm/trunk-jpl/src/c/modules/ContourToNodesx/ContourToNodesx.cpp M /issm/trunk-jpl/src/c/modules/ContourToNodesx/ContourToNodesx.h M /issm/trunk-jpl/src/c/modules/InterpFromMeshToMesh2dx/InterpFromMeshToMesh2dx.cpp M /issm/trunk-jpl/src/c/modules/InterpFromMeshToMesh2dx/InterpFromMeshToMesh2dx.h

Export determination: 6.

Rationale: Added new ContourToNodesx prototype to handle same functionality, but with DataSet* contours in input instead of just a simple Contour struct Adapted InterpFromMeshToMesh2dx accordingly. M /issm/trunk-jpl/test/NightlyRun/test102.py A /issm/trunk-jpl/test/Par/SquareShelfConstrained.py Converting SquareShelfConstrained.par to SquareShelfConstrained.py Pushing test102.py forward.

Change #2 with diff file ISSM-12122-12123.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test102.py A /issm/trunk-jpl/test/Par/SquareShelfConstrained.py

Export determination: 6.

Rationale: Converting SquareShelfConstrained.par to SquareShelfConstrained.py Pushing test102.py forward. M /issm/trunk-jpl/src/m/classes/autodiff.py M /issm/trunk-jpl/src/m/classes/balancethickness.py M /issm/trunk-jpl/src/m/classes/basalforcings.py M /issm/trunk-jpl/src/m/classes/constants.py M /issm/trunk-jpl/src/m/classes/debug.py M /issm/trunk-jpl/src/m/classes/diagnostic.py M /issm/trunk-jpl/src/m/classes/flowequation.py M /issm/trunk-jpl/src/m/classes/friction.py M /issm/trunk-jpl/src/m/classes/geometry.py M /issm/trunk-jpl/src/m/classes/groundingline.py M /issm/trunk-jpl/src/m/classes/hydrology.py M /issm/trunk-jpl/src/m/classes/initialization.py M /issm/trunk-jpl/src/m/classes/inversion.py M /issm/trunk-jpl/src/m/classes/mask.py M /issm/trunk-jpl/src/m/classes/materials.py M /issm/trunk-jpl/src/m/classes/mesh.py M /issm/trunk-jpl/src/m/classes/miscellaneous.py M /issm/trunk-jpl/src/m/classes/private.py M /issm/trunk-jpl/src/m/classes/prognostic.py M /issm/trunk-jpl/src/m/classes/qmu.py M /issm/trunk-jpl/src/m/classes/radaroverlay.py M /issm/trunk-jpl/src/m/classes/rifts.py M /issm/trunk-jpl/src/m/classes/settings.py M /issm/trunk-jpl/src/m/classes/steadystate.py M /issm/trunk-jpl/src/m/classes/surfaceforcings.py M /issm/trunk-jpl/src/m/classes/thermal.py M /issm/trunk-jpl/src/m/classes/timestepping.py M /issm/trunk-jpl/src/m/classes/transient.py Added setdefaultparameters routines to python classes

Change #3 with diff file ISSM-12123-12124.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/autodiff.py M /issm/trunk-jpl/src/m/classes/balancethickness.py
M /issm/trunk-jpl/src/m/classes/basalforcings.py M /issm/trunk-jpl/src/m/classes/constants.py
M /issm/trunk-jpl/src/m/classes/debug.py M /issm/trunk-jpl/src/m/classes/diagnostic.py
M /issm/trunk-jpl/src/m/classes/flowequation.py M /issm/trunk-jpl/src/m/classes/friction.py
M /issm/trunk-jpl/src/m/classes/geometry.py M /issm/trunk-jpl/src/m/classes/groundingline.py
M /issm/trunk-jpl/src/m/classes/hydrology.py M /issm/trunk-jpl/src/m/classes/initialization.py
M /issm/trunk-jpl/src/m/classes/inversion.py M /issm/trunk-jpl/src/m/classes/mask.py
M /issm/trunk-jpl/src/m/classes/materials.py M /issm/trunk-jpl/src/m/classes/mesh.py
M /issm/trunk-jpl/src/m/classes/miscellaneous.py M /issm/trunk-jpl/src/m/classes/private.py
M /issm/trunk-jpl/src/m/classes/prognostic.py M /issm/trunk-jpl/src/m/classes/qmu.py
M /issm/trunk-jpl/src/m/classes/radaroverlay.py M /issm/trunk-jpl/src/m/classes/rifts.py
M /issm/trunk-jpl/src/m/classes/settings.py M /issm/trunk-jpl/src/m/classes/steadystate.py
M /issm/trunk-jpl/src/m/classes/surfaceforcings.py M /issm/trunk-jpl/src/m/classes/thermal.py
M /issm/trunk-jpl/src/m/classes/timestepping.py M /issm/trunk-jpl/src/m/classes/transient.py

Export determination: 6.

Rationale: Added setdefaultparameters routines to python classes M /issm/trunk-jpl/test/Par/SquareShelfConstrained.py Almost finished translated to python

Change #4 with diff file ISSM-12124-12125.diff:

Function name:

M /issm/trunk-jpl/test/Par/SquareShelfConstrained.py

Export determination: 6.

Rationale: Almost finished translated to python M /issm/trunk-jpl/src/m/model/mesh/triangle.py
Bug fix.

Change #5 with diff file ISSM-12125-12126.diff:

Function name:

M /issm/trunk-jpl/src/m/model/mesh/triangle.py

Export determination: 6.

Rationale: Bug fix. A /issm/trunk-jpl/src/m/Utils/Meca/paterson.py Converted paterson.m to paterson.py

Change #6 with diff file ISSM-12126-12127.diff:

Function name:

A /issm/trunk-jpl/src/m/Utils/Meca/paterson.py

Export determination: 6.

Rationale: Converted paterson.m to paterson.py M /issm/trunk-jpl/src/c/modules/ContourToMeshx/ContourToMeshx.h M /issm/trunk-jpl/src/c/modules/ContourToMeshx/ContourToMeshx.h M /issm/trunk-jpl/src/c/modules/ContourToMeshx/ContourToMeshxt.cpp A /issm/trunk-jpl/src/m/Utils/BC/SetIceShelfBC M /issm/trunk-jpl/src/modules/ContourToMesh/ContourToMesh.cpp M /issm/trunk-jpl/src/modules/ContourToMesh/ContourToMesh.h Starting conversion of SetIceShelfBC Needs ContourToMesh python module, so converted this module to python interface. Also simplified Contours* treatment.

Change #7 with diff file ISSM-12127-12128.diff:

Function name:

M /issm/trunk-jpl/src/c/modules/ContourToMeshx/ContourToMeshx.cpp M /issm/trunk-jpl/src/c/modules/ContourToMeshx/ContourToMeshx.h M /issm/trunk-jpl/src/c/modules/ContourToMeshx A /issm/trunk-jpl/src/m/utis/BC/SetIceShelfBC.py M /issm/trunk-jpl/src/modules/ContourToMesh/ContourToMesh.h M /issm/trunk-jpl/src/modules/ContourToMesh/ContourToMesh.h

Export determination: 6.

Rationale: Starting conversion of SetIceShelfBC Needs ContourToMesh python module, so converted this module to python interface. Also simplified Contours* treatment. M /issm/trunk-jpl/src/c/Makefile.am M /issm/trunk-jpl/src/c/toolkits/python/pythonincludes.h Folded NPY_DEPRECATED python stuff into pythonincludes header file

Change #8 with diff file ISSM-12128-12129.diff:

Function name:

M /issm/trunk-jpl/src/c/Makefile.am M /issm/trunk-jpl/src/c/toolkits/python/pythonincludes.h

Export determination: 6.

Rationale: Folded NPY_DEPRECATED python stuff into pythonincludes header file A /issm/trunk-jpl/configs/config-arm-linux.sh (from /issm/trunk-jpl/configs/config-arm.sh:12114) D /issm/trunk-jpl/configs/config-arm.sh M /issm/trunk-jpl/externalpackages/triangle/triangle.c Minor modification to Triangle.c python patch and the arm-linux configuration script.

Change #9 with diff file ISSM-12129-12130.diff:

Function name:

A /issm/trunk-jpl/configs/config-arm-linux.sh (from /issm/trunk-jpl/configs/config-arm.sh:12114) D /issm/trunk-jpl/configs/config-arm.sh M /issm/trunk-jpl/externalpackages/triangle/triangle.c

Export determination: 6.

Rationale: Minor modification to Triangle.c python patch and the arm-linux configuration script. M /issm/trunk-jpl/configs/config-arm-linux.sh M /issm/trunk-jpl/externalpackages/android/android-sdk/install.sh Minor modification to config-arm-linux.sh

Change #10 with diff file ISSM-12130-12131.diff:

Function name:

M /issm/trunk-jpl/configs/config-arm-linux.sh M /issm/trunk-jpl/externalpackages/android/android-sdk/install.sh

Export determination: 6.

Rationale: Minor modification to config-arm-linux.sh A /issm/trunk-jpl/externalpackages/freetype A /issm/trunk-jpl/externalpackages/freetype/freetype-2.4.9.tar.gz A /issm/trunk-jpl/externalpackages/freetype/install.sh Freetype package

Change #11 with diff file ISSM-12131-12132.diff:

Function name:

A /issm/trunk-jpl/externalpackages/freetype A /issm/trunk-jpl/externalpackages/freetype/freetype-2.4.9.tar.gz A /issm/trunk-jpl/externalpackages/freetype/install.sh

Export determination: 6.

Rationale: Freetype package M /issm/trunk-jpl/externalpackages/freetype Ignoring src and install for svn

Change #12 with diff file ISSM-12132-12133.diff:

Function name:

M /issm/trunk-jpl/externalpackages/freetype

Export determination: 6.

Rationale: Ignoring src and install for svn M /issm/trunk-jpl/externalpackages/scipy

Ignoring some svn files

Change #13 with diff file ISSM-12133-12134.diff:

Function name:

M /issm/trunk-jpl/externalpackages/scipy

Export determination: 6.

Rationale: Ignoring some svn files M /issm/trunk-jpl/externalpackages/nose A /issm/trunk-jpl/externalpackages/nose/nose-1.1.2.tar.gz nose package

Change #14 with diff file ISSM-12134-12135.diff:

Function name:

M /issm/trunk-jpl/externalpackages/nose A /issm/trunk-jpl/externalpackages/nose/nose-1.1.2.tar.gz

Export determination: 6.

Rationale: nose package A /issm/trunk-jpl/externalpackages/distribute A /issm/trunk-jpl/externalpackages/distribute/distribute-0.6.26.tar.gz A /issm/trunk-jpl/externalpackages/distribute/install distribute package for installing python packages in 3.2.2

Change #15 with diff file ISSM-12135-12136.diff:

Function name:

A /issm/trunk-jpl/externalpackages/distribute A /issm/trunk-jpl/externalpackages/distribute/distribute-0.6.26.tar.gz A /issm/trunk-jpl/externalpackages/distribute/install.sh

Export determination: 6.

Rationale: distribute package for installing python packages in 3.2.2 A /issm/trunk-jpl/externalpackages/ipython A /issm/trunk-jpl/externalpackages/ipython/install.sh A /issm/trunk-jpl/externalpackages/ipython/ipython-0.12.tar.gz ipython package

Change #16 with diff file ISSM-12136-12137.diff:

Function name:

A /issm/trunk-jpl/externalpackages/ipython A /issm/trunk-jpl/externalpackages/ipython/install.sh A /issm/trunk-jpl/externalpackages/ipython/ipython-0.12.tar.gz

Export determination: 6.

Rationale: ipython package A /issm/trunk-jpl/externalpackages/libermate A /issm/trunk-jpl/externalpackages/libermate/install.sh A /issm/trunk-jpl/externalpackages/libermate/libermate-0.4.tgz matlab to python scripts

Change #17 with diff file ISSM-12137-12138.diff:

Function name:

A /issm/trunk-jpl/externalpackages/libermate A /issm/trunk-jpl/externalpackages/libermate/install.sh

A /issm/trunk-jpl/externalpackages/libermate/libermate-0.4.tgz

Export determination: 6.

Rationale: matlab to python scripts M /issm/trunk-jpl/externalpackages/libermate

Ignoring install directory

Change #18 with diff file ISSM-12138-12139.diff:

Function name:

M /issm/trunk-jpl/externalpackages/libermate

Export determination: 6.

Rationale: Ignoring install directory A /issm/trunk-jpl/externalpackages/pyclips

A /issm/trunk-jpl/externalpackages/pyclips/install.sh A /issm/trunk-jpl/externalpackages/pyclips/pyclips-1.0.7.348.tar.gz py clips package

Change #19 with diff file ISSM-12139-12140.diff:

Function name:

A /issm/trunk-jpl/externalpackages/pyclips A /issm/trunk-jpl/externalpackages/pyclips/install.sh

A /issm/trunk-jpl/externalpackages/pyclips/pyclips-1.0.7.348.tar.gz

Export determination: 6.

Rationale: py clips package M /issm/trunk-jpl/externalpackages/pyclips Ignoring install directory