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| JPL EXPORT ADMINISTRATION DOCUMENT REVIEW RECORD |
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Log #: 11550-11568

(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: Apr-16-2012

Document Title/Description: ISSM changes from revision 11550 to revision 11568

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:** Apr-16-2012



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-11550-11551.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test1104.m M /issm/trunk-jpl/test/NightlyRun/test1105.m
M /issm/trunk-jpl/test/NightlyRun/test1109.m M /issm/trunk-jpl/test/NightlyRun/test1110.m

Export determination: 6.

Rationale: update ISMIP tolerances M /issm/trunk-jpl/src/c/modules/Bamgx/Bamgx.cpp

Fixed hmaxVertices option

Change #2 with diff file ISSM-11551-11552.diff:

Function name:

M /issm/trunk-jpl/src/c/modules/Bamgx/Bamgx.cpp

Export determination: 6.

Rationale: Fixed hmaxVertices option M /issm/trunk-jpl/cron/nightlyrun.sh

D /issm/trunk-jpl/cron/nightlyrun.sh.new New nightly run script compatible with Windows

Change #3 with diff file ISSM-11552-11553.diff:

Function name:

M /issm/trunk-jpl/cron/nightlyrun.sh D /issm/trunk-jpl/cron/nightlyrun.sh.new

Export determination: 6.

Rationale: New nightly run script compatible with Windows A /issm/trunk-jpl/externalpackages/windows/InstallInstructions.txt Windows install instructions

Change #4 with diff file ISSM-11553-11554.diff:

Function name:

A /issm/trunk-jpl/externalpackages/windows/InstallInstructions.txt

Export determination: 6.

Rationale: Windows install instructions M /issm/trunk-jpl/src/c/modules/Exp2Kmlx/Exp2Kmlx.cpp

Exp2Kml: Added capability to output kml points. Also removed dependence in Exp2Kmlx on whole parameter and closed flag from DomainOutlineRead.

Change #5 with diff file ISSM-11554-11555.diff:

Function name:

M /issm/trunk-jpl/src/c/modules/Exp2Kmlx/Exp2Kmlx.cpp

Export determination: 6.

Rationale: Exp2Kml: Added capability to output kml points. Also removed dependence in Exp2Kmlx on whole parameter and closed flag from DomainOutlineRead. M /issm/trunk-jpl/externalpackages/windows/InstallInstructions.txt

A /issm/trunk-jpl/externalpackages/windows/Sdk1.png A /issm/trunk-jpl/externalpackages/windows/Sdk2.png

Instructions for Windows install

Change #6 with diff file ISSM-11555-11556.diff:

Function name:

M /issm/trunk-jpl/externalpackages/windows/InstallInstructions.txt A /issm/trunk-

jpl/externalpackages/windows/Sdk1.png A /issm/trunk-jpl/externalpackages/windows/Sdk2.png

Export determination: 6.

Rationale: Instructions for Windows install M /issm/trunk-jpl/externalpackages/dyson/ldap.pl

New script

Change #7 with diff file ISSM-11556-11557.diff:

Function name:

M /issm/trunk-jpl/externalpackages/dyson/ldap.pl

Export determination: 6.

Rationale: New script A /issm/trunk-jpl/installers/macosx/ISSM.app A /issm/trunk-

jpl/installers/macosx/ISSM.app/Contents A /issm/trunk-jpl/installers/macosx/ISSM.app/Contents/Info.plist

A /issm/trunk-jpl/installers/macosx/ISSM.app/Contents/MacOS A /issm/trunk-

jpl/installers/macosx/ISSM.app/Contents/MacOS/applet A /issm/trunk-jpl/installers/macosx/ISSM.app/Co

A /issm/trunk-jpl/installers/macosx/ISSM.app/Contents/Resources A /issm/trunk-

jpl/installers/macosx/ISSM.app/Contents/Resources/Scripts A /issm/trunk-jpl/installers/macosx/ISSM.app/

A /issm/trunk-jpl/installers/macosx/ISSM.app/Contents/Resources/applet.icns

A /issm/trunk-jpl/installers/macosx/ISSM.app/Contents/Resources/applet.rsrc

A /issm/trunk-jpl/installers/macosx/ISSM.app/Contents/Resources/description.rtf

A /issm/trunk-jpl/installers/macosx/ISSM.app/Contents/Resources/description.rtf/TXT.rtf

A /issm/trunk-jpl/installers/macosx/ISSM.appscript A /issm/trunk-jpl/installers/macosx/ISSM.pkg

A /issm/trunk-jpl/installers/macosx/issm.icns A /issm/trunk-jpl/installers/macosx/matlabissm

A /issm/trunk-jpl/installers/macosx/startup.m All that is needed for a package

to be made under MacOSX

Change #8 with diff file ISSM-11557-11558.diff:

Function name:

A /issm/trunk-jpl/installers/macosx/ISSM.app A /issm/trunk-jpl/installers/macosx/ISSM.app/Contents

A /issm/trunk-jpl/installers/macosx/ISSM.app/Contents/Info.plist A /issm/trunk-

jpl/installers/macosx/ISSM.app/Contents/MacOS A /issm/trunk-jpl/installers/macosx/ISSM.app/Contents/

A /issm/trunk-jpl/installers/macosx/ISSM.app/Contents/PkgInfo A /issm/trunk-

jpl/installers/macosx/ISSM.app/Contents/Resources A /issm/trunk-jpl/installers/macosx/ISSM.app/Content

A /issm/trunk-jpl/installers/macosx/ISSM.app/Contents/Resources/Scripts/main.scpt

A /issm/trunk-jpl/installers/macosx/ISSM.app/Contents/Resources/applet.icns

A /issm/trunk-jpl/installers/macosx/ISSM.app/Contents/Resources/applet.rsrc

A /issm/trunk-jpl/installers/macosx/ISSM.app/Contents/Resources/description.rtf

A /issm/trunk-jpl/installers/macosx/ISSM.app/Contents/Resources/description.rtf/TXT.rtf
 A /issm/trunk-jpl/installers/macosx/ISSM.appscript A /issm/trunk-jpl/installers/macosx/ISSM.pkg
 A /issm/trunk-jpl/installers/macosx/issm.icns A /issm/trunk-jpl/installers/macosx/matlabissm
 A /issm/trunk-jpl/installers/macosx/startup.m
 Export determination: 6.
 Rationale: All that is needed for a package to be made under MacOSX M
 /issm/trunk-jpl/src/c/objects/Elements/Tria.cpp Fixed streamline upwinding
 in case vel=0

Change #9 with diff file ISSM-11558-11559.diff:

Function name:
 M /issm/trunk-jpl/src/c/objects/Elements/Tria.cpp
 Export determination: 6.
 Rationale: Fixed streamline upwinding in case vel=0 M /issm/trunk-jpl/src/m/classes/prognostic.m
 Allowing streamline upwinding stabilization

Change #10 with diff file ISSM-11559-11560.diff:

Function name:
 M /issm/trunk-jpl/src/m/classes/prognostic.m
 Export determination: 6.
 Rationale: Allowing streamline upwinding stabilization M /issm/trunk-jpl/scripts/historyISSM.m
 updated history

Change #11 with diff file ISSM-11560-11561.diff:

Function name:
 M /issm/trunk-jpl/scripts/historyISSM.m
 Export determination: 6.
 Rationale: updated history M /issm/trunk-jpl/cron/configs/linux64_schlegel_daily
 M /issm/trunk-jpl/cron/configs/linux64_schlegel_nightly M /issm/trunk-jpl/cron/configs/linux64_schlegel_validation
 New config files that match new cron sh

Change #12 with diff file ISSM-11561-11562.diff:

Function name:
 M /issm/trunk-jpl/cron/configs/linux64_schlegel_daily M /issm/trunk-jpl/cron/configs/linux64_schlegel_nightly
 M /issm/trunk-jpl/cron/configs/linux64_schlegel_validation
 Export determination: 6.
 Rationale: New config files that match new cron sh M /issm/trunk-jpl/externalpackages/windows/InstallInstructions
 Added cron and exim instructions

Change #13 with diff file ISSM-11562-11563.diff:

Function name:
 M /issm/trunk-jpl/externalpackages/windows/InstallInstructions.txt
 Export determination: 6.
 Rationale: Added cron and exim instructions M /issm/trunk-jpl/src/c/objects/Elements/Tria.cpp
 Fixing analytical gradient

Change #14 with diff file ISSM-11563-11564.diff:

Function name:

M /issm/trunk-jpl/src/c/objects/Elements/Tria.cpp

Export determination: 6.

Rationale: Fixing analytical gradient D /issm/trunk-jpl/installers/win7/aic.sh A /issm/trunk-jpl/installers/win7/package.sh Moving to better name.

Change #15 with diff file ISSM-11564-11565.diff:

Function name:

D /issm/trunk-jpl/installers/win7/aic.sh A /issm/trunk-jpl/installers/win7/package.sh

Export determination: 6.

Rationale: Moving to better name. D /issm/trunk-jpl/installers/macosx fixing problem with svn server

Change #16 with diff file ISSM-11565-11566.diff:

Function name:

D /issm/trunk-jpl/installers/macosx

Export determination: 6.

Rationale: fixing problem with svn server A /issm/trunk-jpl/installers/macosx

A /issm/trunk-jpl/installers/macosx/ISSM.app A /issm/trunk-jpl/installers/macosx/ISSM.app/Contents

A /issm/trunk-jpl/installers/macosx/ISSM.app/Contents/Info.plist A /issm/trunk-

jpl/installers/macosx/ISSM.app/Contents/MacOS A /issm/trunk-jpl/installers/macosx/ISSM.app/Contents/

A /issm/trunk-jpl/installers/macosx/ISSM.app/Contents/PkgInfo A /issm/trunk-

jpl/installers/macosx/ISSM.app/Contents/Resources A /issm/trunk-jpl/installers/macosx/ISSM.app/Content

A /issm/trunk-jpl/installers/macosx/ISSM.app/Contents/Resources/Scripts/main.scpt

A /issm/trunk-jpl/installers/macosx/ISSM.app/Contents/Resources/applet.icns

A /issm/trunk-jpl/installers/macosx/ISSM.app/Contents/Resources/applet.rsrc

A /issm/trunk-jpl/installers/macosx/ISSM.app/Contents/Resources/description.rtf

A /issm/trunk-jpl/installers/macosx/ISSM.app/Contents/Resources/description.rtf/TXT.rtf

A /issm/trunk-jpl/installers/macosx/ISSM.appscript A /issm/trunk-jpl/installers/macosx/ISSM.pkg

A /issm/trunk-jpl/installers/macosx/ISSM.pmdoc A /issm/trunk-jpl/installers/macosx/ISSM.pmdoc/01issm-

contents.xml A /issm/trunk-jpl/installers/macosx/ISSM.pmdoc/01issm.xml A

/issm/trunk-jpl/installers/macosx/ISSM.pmdoc/02matlabissm-contents.xml A

/issm/trunk-jpl/installers/macosx/ISSM.pmdoc/02matlabissm.xml A /issm/trunk-

jpl/installers/macosx/ISSM.pmdoc/03startup-contents.xml A /issm/trunk-jpl/installers/macosx/ISSM.pmdoc

A /issm/trunk-jpl/installers/macosx/ISSM.pmdoc/04bin-contents.xml A /issm/trunk-

jpl/installers/macosx/ISSM.pmdoc/04bin.xml A /issm/trunk-jpl/installers/macosx/ISSM.pmdoc/index.xml

A /issm/trunk-jpl/installers/macosx/README A /issm/trunk-jpl/installers/macosx/issm.icns

A /issm/trunk-jpl/installers/macosx/matlabissm A /issm/trunk-jpl/installers/macosx/package.sh

A /issm/trunk-jpl/installers/macosx/startup.m Command line driven package maker for macosx

Change #17 with diff file ISSM-11566-11567.diff:

Function name:

A /issm/trunk-jpl/installers/macosx A /issm/trunk-jpl/installers/macosx/ISSM.app

A /issm/trunk-jpl/installers/macosx/ISSM.app/Contents A /issm/trunk-jpl/installers/macosx/ISSM.app/Cor

A /issm/trunk-jpl/installers/macosx/ISSM.app/Contents/MacOS A /issm/trunk-jpl/installers/macosx/ISSM.app/Contents/MacOS/applet A /issm/trunk-jpl/installers/macosx/ISSM.app/Contents/Resources A /issm/trunk-jpl/installers/macosx/ISSM.app/Contents/Resources/Scripts A /issm/trunk-jpl/installers/macosx/ISSM.app/Contents/Resources/applet.icns A /issm/trunk-jpl/installers/macosx/ISSM.app/Contents/Resources/applet.rsrc A /issm/trunk-jpl/installers/macosx/ISSM.app/Contents/Resources/description.rtf A /issm/trunk-jpl/installers/macosx/ISSM.app/Contents/Resources/description.rtf/TXT.rtf A /issm/trunk-jpl/installers/macosx/ISSM.appscript A /issm/trunk-jpl/installers/macosx/ISSM.pkg A /issm/trunk-jpl/installers/macosx/ISSM.pmdoc A /issm/trunk-jpl/installers/macosx/ISSM.pmdoc/01issm-contents.xml A /issm/trunk-jpl/installers/macosx/ISSM.pmdoc/01issm.xml A /issm/trunk-jpl/installers/macosx/ISSM.pmdoc/02matlabissm-contents.xml A /issm/trunk-jpl/installers/macosx/ISSM.pmdoc/02matlabissm.xml A /issm/trunk-jpl/installers/macosx/ISSM.pmdoc/03startup-contents.xml A /issm/trunk-jpl/installers/macosx/ISSM.pmdoc/04bin-contents.xml A /issm/trunk-jpl/installers/macosx/ISSM.pmdoc/04bin.xml A /issm/trunk-jpl/installers/macosx/ISSM.pmdoc/index.xml A /issm/trunk-jpl/installers/macosx/README A /issm/trunk-jpl/installers/macosx/issm.icns A /issm/trunk-jpl/installers/macosx/matlabissm A /issm/trunk-jpl/installers/macosx/package.sh A /issm/trunk-jpl/installers/macosx/startup.m
 Export determination: 6.
 Rationale: Command line driven package maker for macosx D /issm/trunk-jpl/installers A /issm/trunk-jpl/packageagers (from /issm/trunk-jpl/installers:11498) A /issm/trunk-jpl/packageagers/macosx (from /issm/trunk-jpl/installers/macosx:11566) R /issm/trunk-jpl/packageagers/win7 (from /issm/trunk-jpl/installers/win7:11563) D /issm/trunk-jpl/packageagers/win7/aic.sh A /issm/trunk-jpl/packageagers/win7/package.sh (from /issm/trunk-jpl/installers/win7/package.sh:11564) Better name

Change #18 with diff file ISSM-11567-11568.diff:

Function name:

D /issm/trunk-jpl/installers A /issm/trunk-jpl/packageagers (from /issm/trunk-jpl/installers:11498) A /issm/trunk-jpl/packageagers/macosx (from /issm/trunk-jpl/installers/macosx:11566) R /issm/trunk-jpl/packageagers/win7 (from /issm/trunk-jpl/installers/win7:11563) D /issm/trunk-jpl/packageagers/win7/aic.sh A /issm/trunk-jpl/packageagers/win7/package.sh (from /issm/trunk-jpl/installers/win7/package.sh:11564)

Export determination: 6.

Rationale: Better name A /issm/trunk-jpl/externalpackages/dakota/install-linux64-murdo.sh Installation file for Dakota on murdo