

JPL EXPORT ADMINISTRATION DOCUMENT REVIEW RECORD
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Log #: 11748-11766

(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 11748 to revision 11766

**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](http://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)

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**Change #1** with diff file ISSM-11748-11749.diff:

Function name:

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

A /issm/trunk-jpl/externalpackages/gmake/make-3.82.tar.gz

Export determination: 6.

Rationale: GNU make A /issm/trunk-jpl/externalpackages/modelE A /issm/trunk-

jpl/externalpackages/modelE/install.sh A /issm/trunk-jpl/externalpackages/modelE/modelE\_AR5\_branch.201

modelE from GISS

**Change #2** with diff file ISSM-11749-11750.diff:

Function name:

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

A /issm/trunk-jpl/externalpackages/modelE/modelE\_AR5\_branch.2012.03.13\_10.12.21.tgz

Export determination: 6.

Rationale: modelE from GISS A /issm/trunk-jpl/externalpackages/packagemaker

A /issm/trunk-jpl/externalpackages/packagemaker/install.sh packagemaker soft

link

**Change #3** with diff file ISSM-11750-11751.diff:

Function name:

A /issm/trunk-jpl/externalpackages/packagemaker A /issm/trunk-jpl/externalpackages/packagemaker/install.

Export determination: 6.

Rationale: packagemaker soft link M /issm/trunk-jpl/externalpackages/packagemaker

M /issm/trunk-jpl/externalpackages/petsc Some ignoring of files in svn

**Change #4** with diff file ISSM-11751-11752.diff:

Function name:

M /issm/trunk-jpl/externalpackages/packagemaker M /issm/trunk-jpl/externalpackages/petsc

Export determination: 6.

Rationale: Some ignoring of files in svn M /issm/trunk-jpl/etc/environment.sh

M /issm/trunk-jpl/etc/environment\_variables.sh GNU make environment vari-

ables

**Change #5** with diff file ISSM-11752-11753.diff:

Function name:

M /issm/trunk-jpl/etc/environment.sh M /issm/trunk-jpl/etc/environment\_variables.sh

Export determination: 6.

Rationale: GNU make environment variables A /issm/trunk-jpl/externalpackages/geos5

A /issm/trunk-jpl/externalpackages/geos5/install.sh geos-5

**Change #6** with diff file ISSM-11753-11754.diff:

Function name:

A /issm/trunk-jpl/externalpackages/geos5 A /issm/trunk-jpl/externalpackages/geos5/install.sh

Export determination: 6.

Rationale: geos-5 A /issm/trunk-jpl/src/android/HelloWorldProject A /issm/trunk-

jpl/src/android/HelloWorldProject/AndroidManifest.xml A /issm/trunk-jpl/src/android/HelloWorldProject/

A /issm/trunk-jpl/src/android/HelloWorldProject/bin A /issm/trunk-jpl/src/android/HelloWorldProject/bui

A /issm/trunk-jpl/src/android/HelloWorldProject/libs A /issm/trunk-jpl/src/android/HelloWorldProject/loc

A /issm/trunk-jpl/src/android/HelloWorldProject/proguard.cfg A /issm/trunk-

jpl/src/android/HelloWorldProject/project.properties A /issm/trunk-jpl/src/android/HelloWorldProject/res

A /issm/trunk-jpl/src/android/HelloWorldProject/res/drawable-hdpi A /issm/trunk-

jpl/src/android/HelloWorldProject/res/drawable-hdpi/ic\_launcher.png A /issm/trunk-

jpl/src/android/HelloWorldProject/res/drawable-ldpi A /issm/trunk-jpl/src/android/HelloWorldProject/res/

ldpi/ic\_launcher.png A /issm/trunk-jpl/src/android/HelloWorldProject/res/drawable-

mdpi A /issm/trunk-jpl/src/android/HelloWorldProject/res/drawable-mdpi/ic\_launcher.png

A /issm/trunk-jpl/src/android/HelloWorldProject/res/layout A /issm/trunk-

jpl/src/android/HelloWorldProject/res/layout/main.xml A /issm/trunk-jpl/src/android/HelloWorldProject/r

A /issm/trunk-jpl/src/android/HelloWorldProject/res/values/strings.xml A /issm/trunk-

jpl/src/android/HelloWorldProject/src A /issm/trunk-jpl/src/android/HelloWorldProject/src/com

A /issm/trunk-jpl/src/android/HelloWorldProject/src/com/example A /issm/trunk-

jpl/src/android/HelloWorldProject/src/com/example/helloworld A /issm/trunk-

jpl/src/android/HelloWorldProject/src/com/example/helloworld/HelloWorldActivity.java

Added the simple HelloWorldProject to the Android directory. Makefile to re-  
place ANT script to follow.

**Change #7** with diff file ISSM-11754-11755.diff:

Function name:

A /issm/trunk-jpl/src/android/HelloWorldProject A /issm/trunk-jpl/src/android/HelloWorldProject/Android

A /issm/trunk-jpl/src/android/HelloWorldProject/ant.properties A /issm/trunk-

jpl/src/android/HelloWorldProject/bin A /issm/trunk-jpl/src/android/HelloWorldProject/build.xml

A /issm/trunk-jpl/src/android/HelloWorldProject/libs A /issm/trunk-jpl/src/android/HelloWorldProject/loc

A /issm/trunk-jpl/src/android/HelloWorldProject/proguard.cfg A /issm/trunk-

jpl/src/android/HelloWorldProject/project.properties A /issm/trunk-jpl/src/android/HelloWorldProject/res

A /issm/trunk-jpl/src/android/HelloWorldProject/res/drawable-hdpi A /issm/trunk-

jpl/src/android/HelloWorldProject/res/drawable-hdpi/ic\_launcher.png A /issm/trunk-

jpl/src/android/HelloWorldProject/res/drawable-ldpi A /issm/trunk-jpl/src/android/HelloWorldProject/res/

ldpi/ic\_launcher.png A /issm/trunk-jpl/src/android/HelloWorldProject/res/drawable-

mdpi A /issm/trunk-jpl/src/android/HelloWorldProject/res/drawable-mdpi/ic\_launcher.png

A /issm/trunk-jpl/src/android/HelloWorldProject/res/layout A /issm/trunk-

jpl/src/android/HelloWorldProject/res/layout/main.xml A /issm/trunk-jpl/src/android/HelloWorldProject/r

A /issm/trunk-jpl/src/android/HelloWorldProject/res/values/strings.xml A /issm/trunk-jpl/src/android/HelloWorldProject/src A /issm/trunk-jpl/src/android/HelloWorldProject/src/com A /issm/trunk-jpl/src/android/HelloWorldProject/src/com/example A /issm/trunk-jpl/src/android/HelloWorldProject/src/com/example/helloworld A /issm/trunk-jpl/src/android/HelloWorldProject/src/com/example/helloworld/HelloWorldActivity.java  
Export determination: 6.  
Rationale: Added the simple HelloWorldProject to the Android directory. Makefile to replace ANT script to follow. M /issm/trunk-jpl/src/c/objects/Numerics/Vector.cpp vector cannot be NULL

**Change #8** with diff file ISSM-11755-11756.diff:

Function name:

M /issm/trunk-jpl/src/c/objects/Numerics/Vector.cpp

Export determination: 6.

Rationale: vector cannot be NULL M /issm/trunk-jpl/src/m/model/slope.m fixed slope routine (very old way of calling project3d)

**Change #9** with diff file ISSM-11756-11757.diff:

Function name:

M /issm/trunk-jpl/src/m/model/slope.m

Export determination: 6.

Rationale: fixed slope routine (very old way of calling project3d) M /issm/trunk-jpl/externalpackages/gsl Ignore install and src files

**Change #10** with diff file ISSM-11757-11758.diff:

Function name:

M /issm/trunk-jpl/externalpackages/gsl

Export determination: 6.

Rationale: Ignore install and src files M /issm/trunk-jpl/src/c/io/Matlab/FetchMatlabData.cpp Took out segfault, remnant of data references from Cielo

**Change #11** with diff file ISSM-11758-11759.diff:

Function name:

M /issm/trunk-jpl/src/c/io/Matlab/FetchMatlabData.cpp

Export determination: 6.

Rationale: Took out segfault, remnant of data references from Cielo M /issm/trunk-jpl/src/c/objects/Numerics/Vector.cpp M /issm/trunk-jpl/src/c/objects/Numerics/Vector.h Fixed segfaults + bugs

**Change #12** with diff file ISSM-11759-11760.diff:

Function name:

M /issm/trunk-jpl/src/c/objects/Numerics/Vector.cpp M /issm/trunk-jpl/src/c/objects/Numerics/Vector.h

Export determination: 6.

Rationale: Fixed segfaults + bugs M /issm/trunk-jpl/src/c/modules/Solverx/Solverx.cpp M /issm/trunk-jpl/src/c/modules/Solverx/SolverxGsl.cpp More robust Solverx

**Change #13** with diff file ISSM-11760-11761.diff:

Function name:

M /issm/trunk-jpl/src/c/modules/Solverx/Solverx.cpp M /issm/trunk-jpl/src/c/modules/Solverx/SolverxGsl.

Export determination: 6.

Rationale: More robust Solverx M /issm/trunk-jpl/src/c/toolkits/double/MatlabMatrixToDoubleMatrix.cpp

M /issm/trunk-jpl/src/c/toolkits/double/MatlabVectorToDoubleVector.cpp More checks on empty matrices and vectors

**Change #14** with diff file ISSM-11761-11762.diff:

Function name:

M /issm/trunk-jpl/src/c/toolkits/double/MatlabMatrixToDoubleMatrix.cpp M

/issm/trunk-jpl/src/c/toolkits/double/MatlabVectorToDoubleVector.cpp

Export determination: 6.

Rationale: More checks on empty matrices and vectors M /issm/trunk-jpl/src/c/toolkits/issm/SeqMat.cpp

M /issm/trunk-jpl/src/c/toolkits/issm/SeqVec.cpp More checks on empty matrices and vectors

**Change #15** with diff file ISSM-11762-11763.diff:

Function name:

M /issm/trunk-jpl/src/c/toolkits/issm/SeqMat.cpp M /issm/trunk-jpl/src/c/toolkits/issm/SeqVec.cpp

Export determination: 6.

Rationale: More checks on empty matrices and vectors D /issm/trunk-jpl/src/c/toolkits/matlab/MatlabMatrix

D /issm/trunk-jpl/src/c/toolkits/matlab/MatlabVectorToVector.cpp M /issm/trunk-

jpl/src/c/toolkits/matlab/matlabincludes.h removed unused functions

**Change #16** with diff file ISSM-11763-11764.diff:

Function name:

D /issm/trunk-jpl/src/c/toolkits/matlab/MatlabMatrixToMatrix.cpp D /issm/trunk-

jpl/src/c/toolkits/matlab/MatlabVectorToVector.cpp M /issm/trunk-jpl/src/c/toolkits/matlab/matlabincludes

Export determination: 6.

Rationale: removed unused functions M /issm/trunk-jpl/externalpackages/metis/configs/4.0/altix64/Makefile.

M /issm/trunk-jpl/externalpackages/metis/configs/4.0/cosmos/Makefile.in.patch

M /issm/trunk-jpl/externalpackages/metis/configs/4.0/greenplanet/Makefile.in.patch

M /issm/trunk-jpl/externalpackages/metis/configs/4.0/macosx32/Makefile.in.patch

M /issm/trunk-jpl/externalpackages/metis/configs/4.0/macosx64/Makefile.in.patch

M /issm/trunk-jpl/externalpackages/metis/configs/4.0/pleiades/Makefile.in.patch

Fixed patches to get the right library extensions

**Change #17** with diff file ISSM-11764-11765.diff:

Function name:

M /issm/trunk-jpl/externalpackages/metis/configs/4.0/altix64/Makefile.in.patch

M /issm/trunk-jpl/externalpackages/metis/configs/4.0/cosmos/Makefile.in.patch

M /issm/trunk-jpl/externalpackages/metis/configs/4.0/greenplanet/Makefile.in.patch

M /issm/trunk-jpl/externalpackages/metis/configs/4.0/macosx32/Makefile.in.patch

M /issm/trunk-jpl/externalpackages/metis/configs/4.0/macosx64/Makefile.in.patch

M /issm/trunk-jpl/externalpackages/metis/configs/4.0/pleiades/Makefile.in.patch

Export determination: 6.

Rationale: Fixed patches to get the right library extensions M /issm/trunk-jpl/externalpackages/metis/configs/4.0/linux64/Makefile.in.patch fPIC

**Change #18** with diff file ISSM-11765-11766.diff:

Function name:

M /issm/trunk-jpl/externalpackages/metis/configs/4.0/linux64/Makefile.in.patch

Export determination: 6.

Rationale: fPIC M /issm/trunk-jpl/externalpackages/metis/configs/4.0/linux64/Makefile.in.patch

M /issm/trunk-jpl/externalpackages/metis/metis-4.0.patch Fixed linux 64 patch