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| JPL EXPORT ADMINISTRATION DOCUMENT REVIEW RECORD |
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Log #: 11361-11380

(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: Feb-23-2012

Document Title/Description: ISSM changes from revision 11361 to revision 11380

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:** Feb-23-2012



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-11361-11362.diff:

Function name:

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

Export determination: 6.

Rationale: fixing stabilization for enthalpy solution M /issm/trunk-jpl/src/c/objects/Elements/Penta.cpp
minor wrong kappa parameter

Change #2 with diff file ISSM-11362-11363.diff:

Function name:

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

Export determination: 6.

Rationale: minor wrong kappa parameter M /issm/trunk-jpl/src/c/objects/Elements/Penta.cpp
switch back geothermal flux for NR

Change #3 with diff file ISSM-11363-11364.diff:

Function name:

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

Export determination: 6.

Rationale: switch back geothermal flux for NR M /issm/trunk-jpl/test/NightlyRun/test354.m
minor field names

Change #4 with diff file ISSM-11364-11365.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test354.m

Export determination: 6.

Rationale: minor field names M /issm/trunk-jpl/src/m/classes/clusters/castor.m

M /issm/trunk-jpl/src/m/classes/clusters/cosmos.m M /issm/trunk-jpl/src/m/classes/clusters/gemini.m

M /issm/trunk-jpl/src/m/classes/clusters/pollux.m removed private info

Change #5 with diff file ISSM-11365-11366.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/clusters/castor.m M /issm/trunk-jpl/src/m/classes/clusters/cosmos.m

M /issm/trunk-jpl/src/m/classes/clusters/gemini.m M /issm/trunk-jpl/src/m/classes/clusters/pollux.m

Export determination: 6.

Rationale: removed private info M /issm/trunk-jpl/externalpackages/petsc/install-3.2-greenplanet.sh Fixed PETSc's compilation on Greenplanet

Change #6 with diff file ISSM-11366-11367.diff:

Function name:

M /issm/trunk-jpl/externalpackages/petsc/install-3.2-greenplanet.sh

Export determination: 6.

Rationale: Fixed PETSc's compilation on Greenplanet A /issm/trunk-jpl/externalpackages/metis/configs/4.0/

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

A /issm/trunk-jpl/externalpackages/metis/install-4.0-greenplanet.sh Added for Greenplanet compilation

Change #7 with diff file ISSM-11367-11368.diff:

Function name:

A /issm/trunk-jpl/externalpackages/metis/configs/4.0/greenplanet A /issm/trunk-

jpl/externalpackages/metis/configs/4.0/greenplanet/Makefile.in.patch A /issm/trunk-jpl/externalpackages/metis/install-4.0-greenplanet.sh

Export determination: 6.

Rationale: Added for Greenplanet compilation

Change #8 with diff file ISSM-11368-11369.diff:

Function name:

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

Export determination: 6.

Rationale: hopefully fixed nr for good

Change #9 with diff file ISSM-11369-11370.diff:

Function name:

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

Export determination: 6.

Rationale: hopefully fixed nr for good A /issm/trunk-jpl/configs/config-greenplanet.sh

Added config for greenplanet

Change #10 with diff file ISSM-11370-11371.diff:

Function name:

A /issm/trunk-jpl/configs/config-greenplanet.sh

Export determination: 6.

Rationale: Added config for greenplanet

Change #11 with diff file ISSM-11371-11372.diff:

Function name:

A /issm/trunk-jpl/src/m/classes/clusters/greenplanet.m

Export determination: 6.

Rationale: Added greenplanet cluster

Change #12 with diff file ISSM-11372-11373.diff:

Function name:
A /issm/trunk-jpl/src/m/classes/clusters/greenplanet.m
Export determination: 6.
Rationale: Added greenplanet cluster

Change #13 with diff file ISSM-11373-11374.diff:

Function name:
M /issm/trunk-jpl/src/m/classes/clusters/greenplanet.m
Export determination: 6.
Rationale: Fixed execution script

Change #14 with diff file ISSM-11374-11375.diff:

Function name:
M /issm/trunk-jpl/src/m/classes/clusters/greenplanet.m
Export determination: 6.
Rationale: Fixed execution script

Change #15 with diff file ISSM-11375-11376.diff:

Function name:
M /issm/trunk-jpl/test/Archives/Archive143.mat M /issm/trunk-jpl/test/Archives/Archive144.mat
M /issm/trunk-jpl/test/Archives/Archive353.mat M /issm/trunk-jpl/test/Archives/Archive354.mat
M /issm/trunk-jpl/test/NightlyRun/test143.m M /issm/trunk-jpl/test/NightlyRun/test144.m
M /issm/trunk-jpl/test/NightlyRun/test350.m M /issm/trunk-jpl/test/NightlyRun/test353.m
Export determination: 6.
Rationale: updated archives

Change #16 with diff file ISSM-11376-11377.diff:

Function name:
M /issm/trunk-jpl/test/Archives/Archive143.mat M /issm/trunk-jpl/test/Archives/Archive144.mat
M /issm/trunk-jpl/test/Archives/Archive353.mat M /issm/trunk-jpl/test/Archives/Archive354.mat
M /issm/trunk-jpl/test/NightlyRun/test143.m M /issm/trunk-jpl/test/NightlyRun/test144.m
M /issm/trunk-jpl/test/NightlyRun/test350.m M /issm/trunk-jpl/test/NightlyRun/test353.m
Export determination: 6.
Rationale: updated archives M /issm/trunk-jpl/test/NightlyRun/test350.m minor

Change #17 with diff file ISSM-11377-11378.diff:

Function name:
M /issm/trunk-jpl/test/NightlyRun/test350.m
Export determination: 6.
Rationale: minor A /issm/trunk-jpl/externalpackages/intel/.bashrc A /issm/trunk-jpl/externalpackages/intel/.exrc A /issm/trunk-jpl/externalpackages/intel/.vimrc
A /issm/trunk-jpl/externalpackages/intel/intel-windows7.sh diverse

Change #18 with diff file ISSM-11378-11379.diff:

Function name:

A /issm/trunk-jpl/externalpackages/intel/.bashrc A /issm/trunk-jpl/externalpackages/intel/.exrc
A /issm/trunk-jpl/externalpackages/intel/.vimrc A /issm/trunk-jpl/externalpackages/intel/intel-
windows7.sh

Export determination: 6.

Rationale: diverse A /issm/trunk-jpl/externalpackages/win7 A /issm/trunk-
jpl/externalpackages/win7/intel-windows7.sh A /issm/trunk-jpl/externalpackages/win7/notes
A /issm/trunk-jpl/externalpackages/win7/winsdk_web.exe windows build

Change #19 with diff file ISSM-11379-11380.diff:

Function name:

A /issm/trunk-jpl/externalpackages/win7 A /issm/trunk-jpl/externalpackages/win7/intel-
windows7.sh A /issm/trunk-jpl/externalpackages/win7/notes A /issm/trunk-
jpl/externalpackages/win7/winsdk_web.exe

Export determination: 6.

Rationale: windows build