

JPL EXPORT ADMINISTRATION DOCUMENT REVIEW RECORD
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Log #: 11991-12009

(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 11991 to revision 12009

**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:** 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)

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**Change #1** with diff file ISSM-11991-11992.diff:

Function name:

M /issm/trunk-jpl/externalpackages/matlab/install.sh

Export determination: 6.

Rationale: reverted back to previous revision

**Change #2** with diff file ISSM-11992-11993.diff:

Function name:

M /issm/trunk-jpl/externalpackages/matlab/install.sh

Export determination: 6.

Rationale: reverted back to previous revision D /issm/trunk-jpl/externalpackages/triangle/README not needed anymore

**Change #3** with diff file ISSM-11993-11994.diff:

Function name:

D /issm/trunk-jpl/externalpackages/triangle/README

Export determination: 6.

Rationale: not needed anymore M /issm/trunk-jpl M /issm/trunk-jpl/m4/issm\_options.m4

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

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

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

M /issm/trunk-jpl/src/c/objects/Elements/Tria.h M /issm/trunk-jpl/src/m/classes/diagnostic.m

merged trunk and trunk-jpl

**Change #4** with diff file ISSM-11994-11995.diff:

Function name:

M /issm/trunk-jpl M /issm/trunk-jpl/m4/issm\_options.m4 M /issm/trunk-jpl/src/c/modules/PositiveDegreeD

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

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

M /issm/trunk-jpl/src/c/objects/Elements/Tria.h M /issm/trunk-jpl/src/m/classes/diagnostic.m

Export determination: 6.

Rationale: merged trunk and trunk-jpl

**Change #5** with diff file ISSM-11995-11996.diff:

Function name:  
M /issm/trunk-jpl  
Export determination: 6.  
Rationale: Block revision 11995 from being merged into trunk-jpl

**Change #6** with diff file ISSM-11996-11997.diff:

Function name:  
M /issm/trunk-jpl  
Export determination: 6.  
Rationale: Block revision 11995 from being merged into trunk-jpl D /issm/trunk-jpl/src/mex/AddExternalResult D /issm/trunk-jpl/src/mex/ComputeBasalStress D /issm/trunk-jpl/src/mex/ConfigureObjects D /issm/trunk-jpl/src/mex/ConstraintsState D /issm/trunk-jpl/src/mex/ControlInputGetGradient D /issm/trunk-jpl/src/mex/ControlInputScaleGradient D /issm/trunk-jpl/src/mex/ControlInputSetGradient D /issm/trunk-jpl/src/mex/ControlOptimization D /issm/trunk-jpl/src/mex/CostFunction D /issm/trunk-jpl/src/mex/CreateJacobianMatrix D /issm/trunk-jpl/src/mex/CreateNodalConstraints D /issm/trunk-jpl/src/mex/Dakota D /issm/trunk-jpl/src/mex/DakotaResponses D /issm/trunk-jpl/src/mex/Echo D /issm/trunk-jpl/src/mex/GetSolutionFromInputs D /issm/trunk-jpl/src/mex/GetVectorFromInputs D /issm/trunk-jpl/src/mex/Gradj D /issm/trunk-jpl/src/mex/GroundinglineMigration D /issm/trunk-jpl/src/mex/InputControlUpdate D /issm/trunk-jpl/src/mex/InputConvergence D /issm/trunk-jpl/src/mex/InputDuplicate D /issm/trunk-jpl/src/mex/InputScale D /issm/trunk-jpl/src/mex/InputToResult D /issm/trunk-jpl/src/mex/InputUpdateFromConstant D /issm/trunk-jpl/src/mex/InputUpdateFromDakota D /issm/trunk-jpl/src/mex/InputUpdateFromSolution D /issm/trunk-jpl/src/mex/InputUpdateFromVector M /issm/trunk-jpl/src/mex/Makefile.am D /issm/trunk-jpl/src/mex/Mergesolutionfromftog D /issm/trunk-jpl/src/mex/ModelProcessor D /issm/trunk-jpl/src/mex/NodeConnectivity D /issm/trunk-jpl/src/mex/NodesDof D /issm/trunk-jpl/src/mex/Orth D /issm/trunk-jpl/src/mex/OutputResults D /issm/trunk-jpl/src/mex/OutputRifts D /issm/trunk-jpl/src/mex/ParameterOutput D /issm/trunk-jpl/src/mex/ParsePetscOptions D /issm/trunk-jpl/src/mex/ProcessParams D /issm/trunk-jpl/src/mex/Reduceload D /issm/trunk-jpl/src/mex/Reducevectorgtoof D /issm/trunk-jpl/src/mex/Reducevectorgtos D /issm/trunk-jpl/src/mex/ResetCoordinateSystem D /issm/trunk-jpl/src/mex/Response D /issm/trunk-jpl/src/mex/Solver D /issm/trunk-jpl/src/mex/SparseToVector D /issm/trunk-jpl/src/mex/SpcNodes D /issm/trunk-jpl/src/mex/SurfaceArea D /issm/trunk-jpl/src/mex/SystemMatrices D /issm/trunk-jpl/src/mex/TimeAdapt M /issm/trunk-jpl/src/mex/TriMesh/TriMesh.h D /issm/trunk-jpl/src/mex/UpdateConstraints D /issm/trunk-jpl/src/mex/UpdateDynamicConstraints D /issm/trunk-jpl/src/mex/UpdateVertexPositions D /issm/trunk-jpl/src/mex/VerticesDof  
Starting to get rid of serial modules

**Change #7** with diff file ISSM-11997-11998.diff:

Function name:  
D /issm/trunk-jpl/src/mex/AddExternalResult D /issm/trunk-jpl/src/mex/ComputeBasalStress D /issm/trunk-jpl/src/mex/ConfigureObjects D /issm/trunk-jpl/src/mex/ConstraintsState D /issm/trunk-jpl/src/mex/ControlInputGetGradient D /issm/trunk-jpl/src/mex/ControlInputScaleGradient D /issm/trunk-jpl/src/mex/ControlInputSetGradient D /issm/trunk-jpl/src/mex/ControlOptimization D /issm/trunk-jpl/src/mex/CostFunction D /issm/trunk-jpl/src/mex/CreateJacobianMatrix

D /issm/trunk-jpl/src/mex/CreateNodalConstraints D /issm/trunk-jpl/src/mex/Dakota  
 D /issm/trunk-jpl/src/mex/DakotaResponses D /issm/trunk-jpl/src/mex/Echo  
 D /issm/trunk-jpl/src/mex/GetSolutionFromInputs D /issm/trunk-jpl/src/mex/GetVectorFromInputs  
 D /issm/trunk-jpl/src/mex/Gradj D /issm/trunk-jpl/src/mex/GroundinglineMigration  
 D /issm/trunk-jpl/src/mex/InputControlUpdate D /issm/trunk-jpl/src/mex/InputConvergence  
 D /issm/trunk-jpl/src/mex/InputDuplicate D /issm/trunk-jpl/src/mex/InputScale  
 D /issm/trunk-jpl/src/mex/InputToResult D /issm/trunk-jpl/src/mex/InputUpdateFromConstant  
 D /issm/trunk-jpl/src/mex/InputUpdateFromDakota D /issm/trunk-jpl/src/mex/InputUpdateFromSolution  
 D /issm/trunk-jpl/src/mex/InputUpdateFromVector M /issm/trunk-jpl/src/mex/Makefile.am  
 D /issm/trunk-jpl/src/mex/Mergesolutionfromftog D /issm/trunk-jpl/src/mex/ModelProcessor  
 D /issm/trunk-jpl/src/mex/NodeConnectivity D /issm/trunk-jpl/src/mex/NodesDof  
 D /issm/trunk-jpl/src/mex/Orth D /issm/trunk-jpl/src/mex/OutputResults D  
 /issm/trunk-jpl/src/mex/OutputRifts D /issm/trunk-jpl/src/mex/ParameterOutput  
 D /issm/trunk-jpl/src/mex/ParsePetscOptions D /issm/trunk-jpl/src/mex/ProcessParams  
 D /issm/trunk-jpl/src/mex/Reduceload D /issm/trunk-jpl/src/mex/Reducevectorgtoof  
 D /issm/trunk-jpl/src/mex/Reducevectorgtos D /issm/trunk-jpl/src/mex/ResetCoordinateSystem  
 D /issm/trunk-jpl/src/mex/Response D /issm/trunk-jpl/src/mex/Solver D /issm/trunk-  
 jpl/src/mex/SparseToVector D /issm/trunk-jpl/src/mex/SpcNodes D /issm/trunk-  
 jpl/src/mex/SurfaceArea D /issm/trunk-jpl/src/mex/SystemMatrices D /issm/trunk-  
 jpl/src/mex/TimeAdapt M /issm/trunk-jpl/src/mex/TriMesh/TriMesh.h D /issm/trunk-  
 jpl/src/mex/UpdateConstraints D /issm/trunk-jpl/src/mex/UpdateDynamicConstraints  
 D /issm/trunk-jpl/src/mex/UpdateVertexPositions D /issm/trunk-jpl/src/mex/VerticesDof  
 Export determination: 6.  
 Rationale: Starting to get rid of serial modules D /issm/trunk-jpl/src/m/solutions  
 Getting rid of serial capability

**Change #8** with diff file ISSM-11998-11999.diff:

Function name:  
 D /issm/trunk-jpl/src/m/solutions  
 Export determination: 6.  
 Rationale: Getting rid of serial capability D /issm/trunk-jpl/src/m/shared D  
 /issm/trunk-jpl/src/m/solvers Getting rid of serial capability

**Change #9** with diff file ISSM-11999-12000.diff:

Function name:  
 D /issm/trunk-jpl/src/m/shared D /issm/trunk-jpl/src/m/solvers  
 Export determination: 6.  
 Rationale: Getting rid of serial capability M /issm/trunk-jpl/src/m/Makefile.am  
 Getting rid of serial capability

**Change #10** with diff file ISSM-12000-12001.diff:

Function name:  
 M /issm/trunk-jpl/src/m/Makefile.am  
 Export determination: 6.  
 Rationale: Getting rid of serial capability D /issm/trunk-jpl/src/c/io/Matlab  
 Moved to src/matlab

**Change #11** with diff file ISSM-12001-12002.diff:

Function name:

D /issm/trunk-jpl/src/c/io/Matlab

Export determination: 6.

Rationale: Moved to src/matlab D /issm/trunk-jpl/src/c/io/Python Moved to src/python/io

**Change #12** with diff file ISSM-12002-12003.diff:

Function name:

D /issm/trunk-jpl/src/c/io/Python

Export determination: 6.

Rationale: Moved to src/python/io M /issm/trunk-jpl/src/c/io/io.h Moved to src/python/io

**Change #13** with diff file ISSM-12003-12004.diff:

Function name:

M /issm/trunk-jpl/src/c/io/io.h

Export determination: 6.

Rationale: Moved to src/python/io

**Change #14** with diff file ISSM-12004-12005.diff:

Function name:

D /issm/trunk-jpl/src/c/toolkits/double

Export determination: 6.

Rationale: Gone to src/matlab/io

**Change #15** with diff file ISSM-12005-12006.diff:

Function name:

D /issm/trunk-jpl/src/c/toolkits/double

Export determination: 6.

Rationale: Gone to src/matlab/io M /issm/trunk-jpl/src/c/toolkits/toolkits.h  
Gone to src/matlab/io

**Change #16** with diff file ISSM-12006-12007.diff:

Function name:

M /issm/trunk-jpl/src/c/toolkits/toolkits.h

Export determination: 6.

Rationale: Gone to src/matlab/io M /issm/trunk-jpl/m4/issm\_options.m4 New architecture where serial and parallel are replaced by module or not module

**Change #17** with diff file ISSM-12007-12008.diff:

Function name:

M /issm/trunk-jpl/m4/issm\_options.m4

Export determination: 6.

Rationale: New architecture where serial and parallel are replaced by module or

not module D /issm/trunk-jpl/src/c/toolkits/matlab Moved to src/matlab/io

**Change #18** with diff file ISSM-12008-12009.diff:

Function name:

D /issm/trunk-jpl/src/c/toolkits/matlab

Export determination: 6.

Rationale: Moved to src/matlab/io M /issm/trunk-jpl/src/c/toolkits/toolkits.h

Moved to src/matlab/io