

JPL EXPORT ADMINISTRATION DOCUMENT REVIEW RECORD
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Log #: 11700-11718

(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 11700 to revision 11718

**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
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- 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-11700-11701.diff:

Function name:

M /issm/trunk-jpl/src/mex/Reducevectortof/Reducevectortof.cpp

Export determination: 6.

Rationale: cosmetics M /issm/trunk-jpl/src/c/modules/Solverx/Solverx.cpp Fixed seg fault

**Change #2** with diff file ISSM-11701-11702.diff:

Function name:

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

Export determination: 6.

Rationale: Fixed seg fault M /issm/trunk-jpl/src/c/shared/Numerics/OptionsFromAnalysis.cpp wrong string size

**Change #3** with diff file ISSM-11702-11703.diff:

Function name:

M /issm/trunk-jpl/src/c/shared/Numerics/OptionsFromAnalysis.cpp

Export determination: 6.

Rationale: wrong string size M /issm/trunk-jpl/src/c/solutions/controltao\_core.cpp updated controltao with new Vector/Matrix interface

**Change #4** with diff file ISSM-11703-11704.diff:

Function name:

M /issm/trunk-jpl/src/c/solutions/controltao\_core.cpp

Export determination: 6.

Rationale: updated controltao with new Vector/Matrix interface M /issm/trunk-jpl/src/c/objects/Numerics/Vector.cpp M /issm/trunk-jpl/src/c/objects/Numerics/Vector.h Added constructor from PETSc vector

**Change #5** with diff file ISSM-11704-11705.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: Added constructor from PETSc vector M /issm/trunk-jpl/src/c/shared/Alloc/alloc.cpp

Wrong symbol

**Change #6** with diff file ISSM-11705-11706.diff:

Function name:

M /issm/trunk-jpl/src/c/shared/Alloc/alloc.cpp

Export determination: 6.

Rationale: Wrong symbol M /issm/trunk-jpl/src/c/solutions/controltao\_core.cpp  
fixed memory leak

**Change #7** with diff file ISSM-11706-11707.diff:

Function name:

M /issm/trunk-jpl/src/c/solutions/controltao\_core.cpp

Export determination: 6.

Rationale: fixed memory leak M /issm/trunk-jpl/src/c/modules/UpdateVertexPositionsx/UpdateVertexPositionsx.cpp  
moved delete to xdelete for PETSC vec

**Change #8** with diff file ISSM-11707-11708.diff:

Function name:

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

Export determination: 6.

Rationale: moved delete to xdelete for PETSC vec

**Change #9** with diff file ISSM-11708-11709.diff:

Function name:

M /issm/trunk-jpl/externalpackages/vim/addons/vim/syntax/c.vim

Export determination: 6.

Rationale: Updated syntax highlighting

**Change #10** with diff file ISSM-11709-11710.diff:

Function name:

M /issm/trunk-jpl/externalpackages/vim/addons/vim/syntax/c.vim

Export determination: 6.

Rationale: Updated syntax highlighting

**Change #11** with diff file ISSM-11710-11711.diff:

Function name:

M /issm/trunk-jpl/externalpackages/mitgcm/install.sh A /issm/trunk-jpl/externalpackages/mitgcm/notes

Export determination: 6.

Rationale: Dimitris notes and updates on MITgcm.

**Change #12** with diff file ISSM-11711-11712.diff:

Function name:

M /issm/trunk-jpl/externalpackages/mitgcm/install.sh A /issm/trunk-jpl/externalpackages/mitgcm/notes

Export determination: 6.

Rationale: Dimitris notes and updates on MITgcm. M /issm/trunk-jpl/src/c/modules/Solverx/Solverx.cpp  
Added assert to avoid crash

**Change #13** with diff file ISSM-11712-11713.diff:

Function name:

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

Export determination: 6.

Rationale: Added assert to avoid crash M /issm/trunk-jpl/src/c/objects/Numerics/Matrix.cpp

M /issm/trunk-jpl/src/c/objects/Numerics/Vector.cpp Added lots of asserts to avoid nasty segmentation faults

**Change #14** with diff file ISSM-11713-11714.diff:

Function name:

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

Export determination: 6.

Rationale: Added lots of asserts to avoid nasty segmentation faults M /issm/trunk-jpl/src/c/solutions/convergence.cpp check uf size

**Change #15** with diff file ISSM-11714-11715.diff:

Function name:

M /issm/trunk-jpl/src/c/solutions/convergence.cpp

Export determination: 6.

Rationale: check uf size M /issm/trunk-jpl/src/c/modules/Solverx/Solverx.cpp fixed problem if uf=NULL

**Change #16** with diff file ISSM-11715-11716.diff:

Function name:

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

Export determination: 6.

Rationale: fixed problem if uf=NULL M /issm/trunk-jpl/src/c/io/Matlab/FetchMatlabData.cpp

M /issm/trunk-jpl/src/c/io/Matlab/WriteMatlabData.cpp M /issm/trunk-jpl/src/c/modules/Solverx/Solverx.cpp

M /issm/trunk-jpl/src/c/toolkits/petsc/patches/PetscVectorToMatlabVector.cpp

Added support for empty vectors in serial mode

**Change #17** with diff file ISSM-11716-11717.diff:

Function name:

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

M /issm/trunk-jpl/src/c/modules/Solverx/Solverx.cpp M /issm/trunk-jpl/src/c/toolkits/petsc/patches/PetscVectorToMatlabVector.cpp

Export determination: 6.

Rationale: Added support for empty vectors in serial mode D /issm/trunk-jpl/src/m/Utils/Exp/expconcatenate.m D /issm/trunk-jpl/src/m/Utils/Exp/expcut.m

D /issm/trunk-jpl/src/m/Utils/Exp/expselect.m removing some useless functions

**Change #18** with diff file ISSM-11717-11718.diff:

Function name:

D /issm/trunk-jpl/src/m/Utils/Exp/expconcatenate.m D /issm/trunk-jpl/src/m/Utils/Exp/expcut.m

D /issm/trunk-jpl/src/m/Utils/Exp/expselect.m

Export determination: 6.

Rationale: removing some useless functions M /issm/trunk-jpl/externalpackages/android-sdk/install.sh Modified the install.sh script of Android-SDK