

RELAP5-3D Software Licensing Updates

Charity Follett
Commercialization Manager

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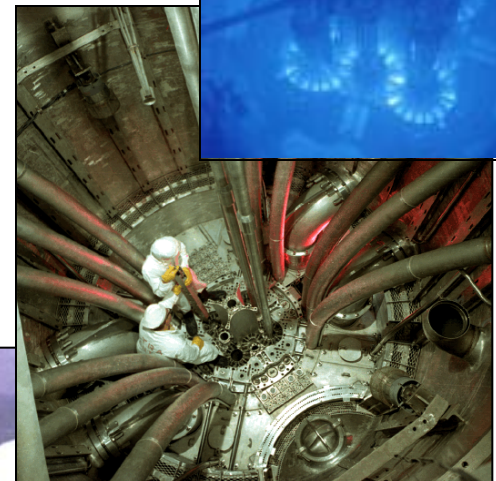
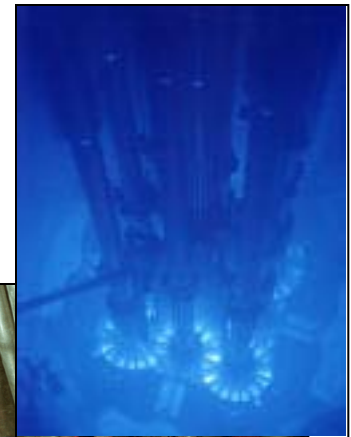
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Why we license RELAP5-3D

- Provide a versatile tool for safety and engineering analyses of nuclear power reactors
- Provide for maintenance and improvements to the code
- Help users develop a working knowledge of the code and its application

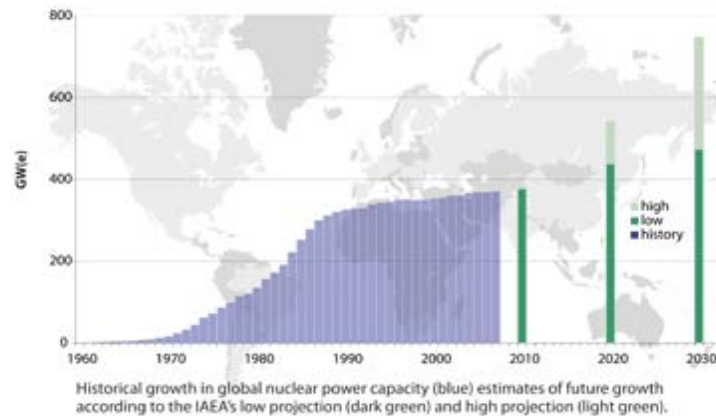
Our objective: Ensure the nation's energy security with safe, competitive, and sustainable energy systems



Current Status

- Reinvesting 93% of IRUG license fees in the RELAP5 program
- Growing membership in IRUG
- Heightened export control restrictions
- Preparing for launch of new version

Global and Regional Nuclear Power Projections



Source: Energy, Electricity & Nuclear Power Estimates Up To 2030, IAEA Reference Data Series 1, 2008 Edition.

Current IRUG Membership Levels

Level	Hours	U.S. Fee	Foreign Fee	Software
Super User Member	200	\$50K	\$62K	Source
Regular Full Member	80	\$25K	\$43K	Source
Multi-use Participant	20	\$7.5K	\$13.5K	Object
Single-Use Participant	5	\$5K	\$9.5K	Object
Training Multi-use	40	\$8.5K	\$12.5K	Object
Training Single Use	10	\$2.5K	\$3.5K	Object
University Participant	-	No fee	No fee	Object

Recent Impacts on Licensing

- Focused INL strategic plan emphasizes nuclear energy security
- Greater emphasis on University partnerships
- Tightened export control restrictions
- Internal staffing/procedural changes
- Revisions to license agreement language
- Business survey on licensing program
- Progress on RELAP5-3D version 3.0

**Result: Focus on timely, high-quality licenses
to support the nuclear energy industry**

Export Control Updates

- DOE determination: RELAP5-3D falls under 10 CFR 810
- New language in licenses
- BEA and Licensees both have responsibilities for compliance
- BEA has added staff to expedite reviews
- DOE Contact: Office of International Regimes and Agreements

Our Checklist:

- ✓ Legal name of licensee
- ✓ Full names and citizenship of end users and contacts
- ✓ Full addresses
- ✓ End use of the code
- ✓ IRUG membership level requested

Goals for the Next Year

Goal: Update
licensing program
to support new
RELAP5-3D
version release

- Launch beta test licenses for RELAP5-3D 3.0
- Revise license agreement language to common software licensing practices that meet business and legal needs
- Update IRUG membership structure
- Expedite full licenses for production version (expected as RELAP5-3D 3.1)

Goals for the Next Year (cont'd)

Goal: Reduce
licensing turn-
around time

- Additional staff requested in next FY budget
- Collect needed information for export control reviews at first interaction
- Make university license template available on-line
- Revise RELAP5-3D licensing website so process/requirements/contacts are clear and current
- Automate notifications when licenses are expiring
- Improve internal tracking and reporting

Summary

- Interest in joining IRUG and using RELAP5-3D is growing
- Export control compliance is critical
- We're improving the licensing program to better support IRUG members

We want your feedback!



Contact:

Charity Follett, Commercialization Manager

Phone: 208-526-9353

E-mail: charity.follett@inl.gov