

RELAP5-3D Software Licensing Updates

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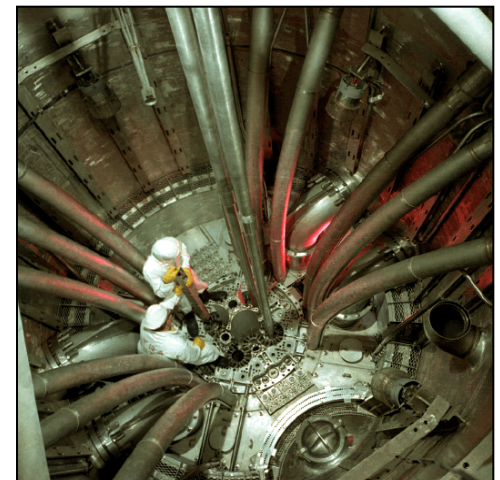
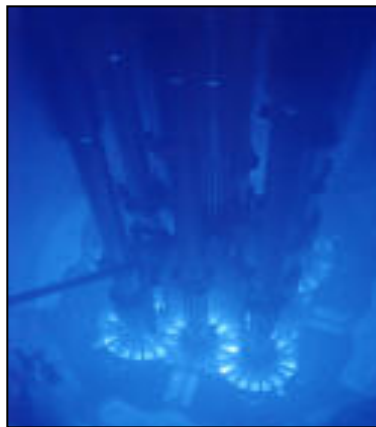
International RELAP Users Group
Idaho Falls, Idaho

www.inl.gov



Benefits of IRUG Membership

- Access to an internationally recognized tool for safety and engineering analyses of nuclear power reactors and pressure vessels
- Provides a control point for RELAP5-3D maintenance and software development.
- Training classes offered in conjunction with annual meeting
- On-site training is also available at licensees facilities
- Cost sharing mechanism for code improvements



Currently Active Licenses April 3, 2018

	Domestic	International	Totals
Universities	27	25	52
Commercial	12	17	29
Government Use	16	2	18
Sub-Total	55	44	99

Total Licensees **99**

Current RELAP5-3D License Fees

	Domestic Users	International Users
Full Membership Regular	\$28,500	\$54,500
Full Membership Super User	\$63,500	\$79,000
Multi User Participant	\$9,500	\$17,000
Single User Participant	\$6,500	\$12,000

Membership Fee Increase

- IRUG membership fees increase on June 1, 2018.
- Continued growth in IRUG membership helps to absorb increased development and maintenance costs.
- Membership increased from 92 in Oct. 2016 to 99 in April 2018
- Universities, both domestic and international, will continue to receive RELAP5-3D for free if used for educational purposes.

RELAP5-3D License Fees Effective June 1, 2018

	Domestic Users	International Users
Full Membership Regular	\$30,000	\$58,000
Full Membership Super User	\$67,000	\$83,000
Multi User Participant	\$10,000	\$18,000
Single User Participant	\$7,000	\$13,000

Export Control Reminder

- DOE determination: RELAP5-3D falls under 10 CFR 810 restrictions.
- BEA, licensees, sub-licensees and users all have responsibilities for export and deemed export compliance.
- Update “Program Participant Data Sheet” information for new users
- All users must be approved by DOE and/or BEA.

Our Checklist:

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

Accomplishment Since 2016

Continuous Improvement

- RELAP5-3D Version 4.4.2 is being finalized
- Invitations to join IRUG were sent to every US university and college offering a degree in Mechanical Engineering
- Two “Gateway for Accelerated Innovation in Nuclear” (GAIN) licenses signed
- Expanded distribution of RELAP5-3D to non-nuclear markets
- Expanded into new international markets
- Coupled with RAVEN and PHISICS
- New website <https://relap53d.inl.gov/>

Summary

- Annual membership fees will increase on all renewals and new license agreements effective June 1, 2018
- Continuous annual growth in IRUG membership every year since 2010
- Automated renewal notifications sent electronically to licensees three months prior to license expiration
- Additional staff have been added to support INL's software programs
- Gary Smith is retiring June 1
- Art Baker is assuming responsibility for software licensing

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