Pre- and Post- RELAP5 Merger Organization Roles and Funding Considerations

IRUG Meeting
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Merger Phases

- Pre-Merger (i.e., pre-2008) Organization Roles and Funding – separate maintenance and funding for existing codes by DOE (RELAP5-3D) and NRC (RELAP5/MOD3.3). DOE is reviewing a recommendation to fund merging the codes.
- Post-Merger (i.e., post-2008) Maintenance funding by code users; development funding by sponsoring agency desiring code update.
Overall Timeline

RELAP5 3.2

RELAP5 3D

RELAP5 3.3

Merging of RELAP5

Merged RELAP5

Pre-Merge Period

Today

2008

Post Merge Period

RELAP5 3.3+

RELAP5 3D+

Today

2008
Organization Roles

RELAP5 3.2

RELAP5 3.3

RELAP5 3.3+

NRC/ISL

Merging of RELAP5
DOE with NRC participation in Steering Committee

RELAP5 3D+

DOE/INL

Merged RELAP5

MOU

• NRC
• DOE

Pre-Merge Period

Today

2008

Post Merge Period
Organization Roles: Pre-Merger

- Merger activities controlled by NRC/DOE MOU
- RELAP5 3D and RELAP5 3.3 will be maintained
- CAMP and IRUG will be maintained
- May be possible to have interactions between the CAMP and IRUG or joint meetings in the future. Possible benefits are:
  - exchange of experience in safety analysis and use of RELAP5
  - provide input to the evolution of the merged code
  - Develop mechanism for sharing bug reports
Organization Roles: Pre-Merger

- Organization structured to allow for improvements in either code version to be available for inclusion in the merged version
  - Error correction changes will be accommodated in both codes during merger
  - New functionality to be accommodated by conditional coding
  - New functionality merging accomplished before final DA
Organization Roles: Post-Merger

- Merged code to be controlled by NRC/DOE MOU
- Possible CAMP/IRUG Consolidated User Meetings would allow both groups to:
  - jointly benefit from the exchange of experience in safety analysis and use of RELAP5
  - provide input to the evolution of the Merged code
- Organization structured to allow for maintenance, improvements and user support of the Merged RELAP5 Code
Funding

Today

Pre-Merge Period

2008

Post Merge Period

RELAP5 3.2

RELAP5 3D

RELAP5 3.3

Merging of RELAP5

RELAP5 3.3+

Users, NRC

RELAP5 3D+

Users, DOE

Merged RELAP5

- Maintenance – Users

- Upgrades – Sponsor Organizations