Topic	Original 6672	6672 Revision	Priority	Comment
Statistics				
Event Trees	Modal Study with new wayside surface frequencies	New PPS SNL Truck, New PPS Volpe Rail		This work is already finished
Route Parameter Distributions	Reactors to Regional	TRAGIS with 2000 census data	B	2000 census for credibility
Lengths	"			Public comment
Length Fractions	"			
Population Densities	"			
Accident Rates, Truck	BMCS + ANL	Probably no change, need better explanation	A	Public comment
Accident Rates, Rail	ANL			
Cask Damage		CANISTER - acts as piston?		Public comment
	4 Generic casks	3 Real casks	A	Real casks for credibility
		3 More real casks	C	Covers other cask types
Collisions	3D finite element	3D finite element	A	
		Better closure/bolt model	A	LLNL criticism
		Impact limiter model	A	Remove conservatism
		Component test of closure/bolt failure	B	Validate closure modeling
Fires	1D finite element	3D finite element	A	LLNL criticism, consistency
		Calorimeter test on ground	B	Validate CAFE predictions
Rod Failure	failure criteria	treat as single value vs. distribution		Einziger criticism
Impact	Rods see cask rigid body motion	3D calc. of transmission of force to rods through basket and spacer grids.	A	DOE is funding this work
		Validation by impact test of short section of surrogate fuel.	A	Prediction of lower rod failure frequency must be validated.
Thermal	Rod temp. same as shell temp.	3D modeling of assemblies	A	Time to rod burst rupture will vary with position.
Rod Inventory	ORIGEN calc. for 3 year cooled high burn-up fuel	since we got revision requests Use hottest fuel load allowed by CofC - Sensitivity study	A	LLNL criticism, reality enlightenment
Release Fractions	6672 methodology, new	Vulnerability study methodology, accounting for rate of rod depressurization, using MELCOR	A	Einziger criticism May be funded by Dry Cask Storage PRA
		Validate with ANL test	B	CRUD model Very little data available to validate method.
Consequence Calculations	RADTRAN 6.	RADTRAN, Need better explanation/tabulation of results	A	Ability to answer public questions

use certified cask fuel for designs being modeled

- Fuel baskets are modeled - use course mesh for fuel - look at basket motion - then look at fuel assembly subjected to that basket motion
- Decoupling Bankman