Brookhaven National Laboratory

U.S. DEPARTMENT OF ENERGY

ENDF Phase 1 Checking & Review Status

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Phase I checking

ADVANCE status

Current ADVANCE system has several shortcomings:

- Uses buildbot “substrate”. Gitlab doesn’t like buildbot. Gitlab likes Kubernetes
- ADVANCE watches only one branch
- ADVANCE checks whole library and each evaluation, but only reports on the whole library

- ACTIONS:
  - ☐ Get Kubernetes cluster running
  - ☑ Divorce ADVANCE from buildbot (right now is more of a separation than a divorce…)
  - ☐ Kill all the bugs being introduced during the divorce process
  - ☐ Allow ADVANCE to watch all branches
  - ☐ ADVANCE should check whole library only for phase2 & master branches
  - ☐ ADVANCE should check each evaluation only and provide report as build artifact to gitlab

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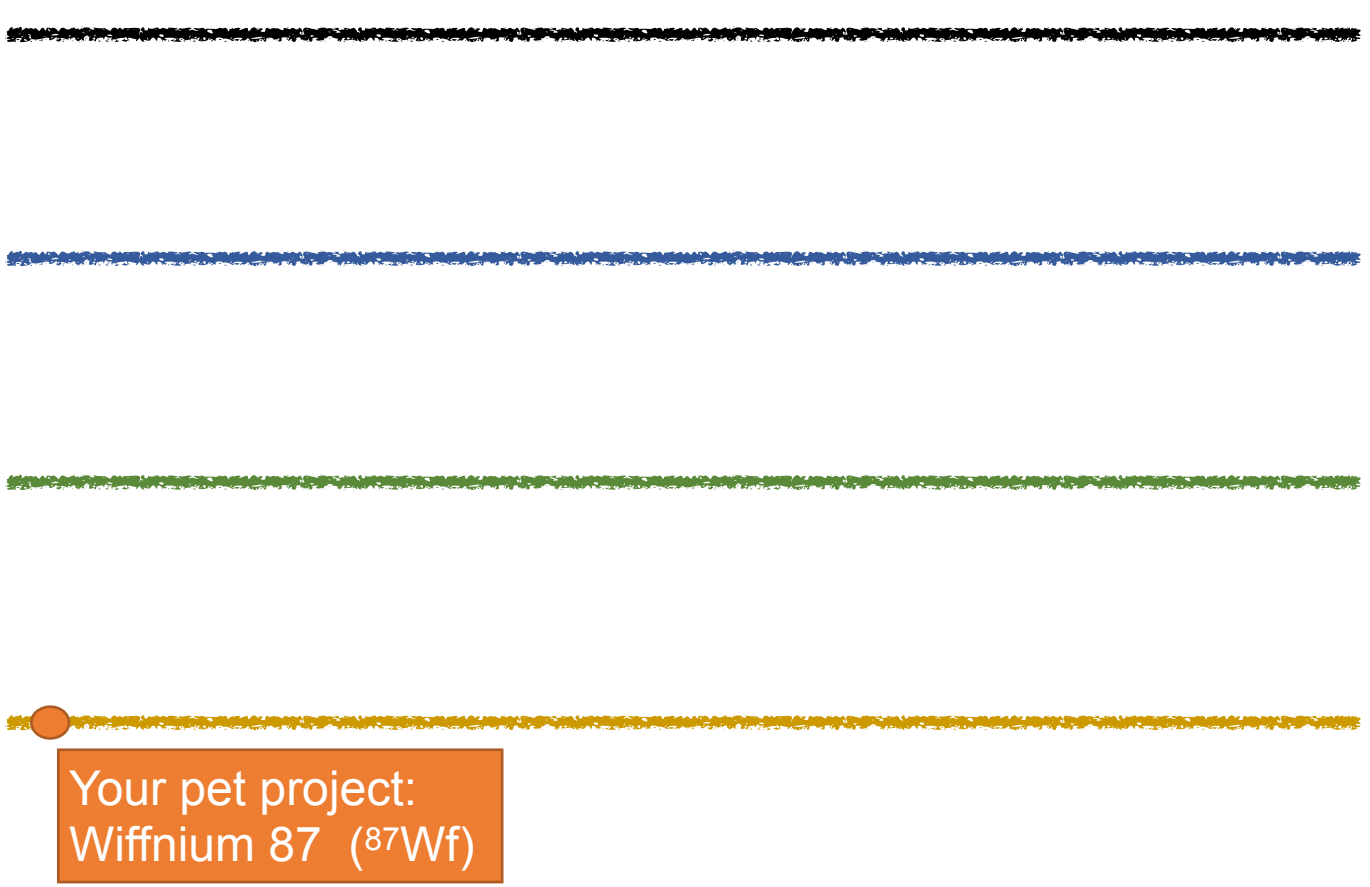
ENDF branches & review process

ENDF project branches & workflow (names subject to change)



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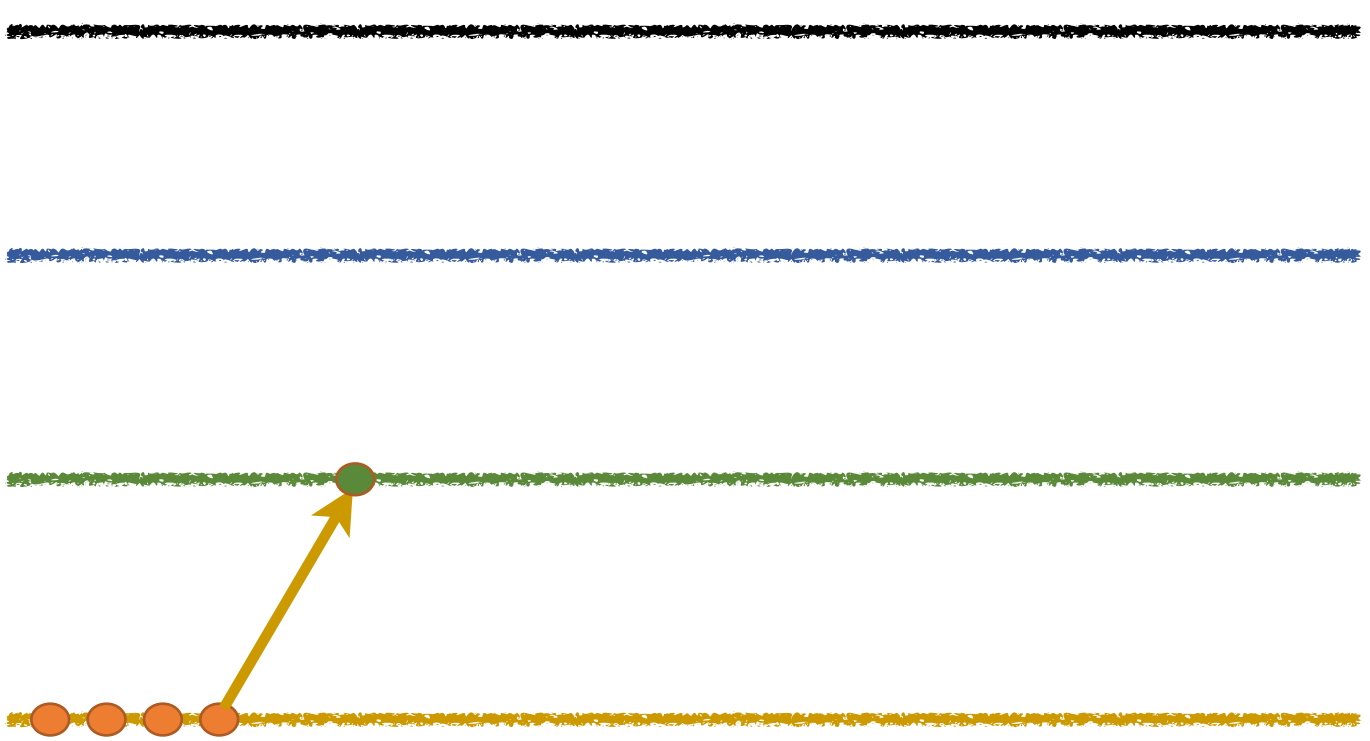

ENDF project branches & workflow (names subject to change)

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Phase II (locked)

Phase I (unlocked)

your dev. branch (either at BNL or your own server)

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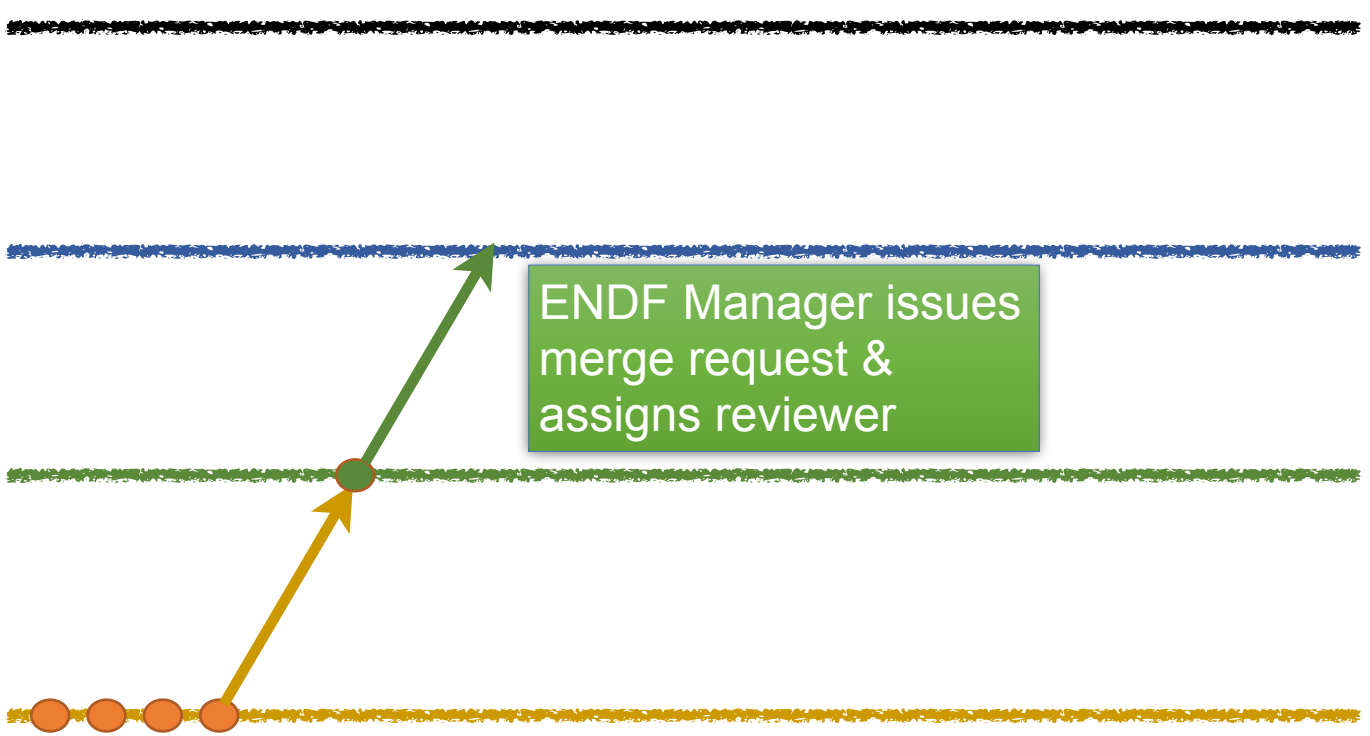

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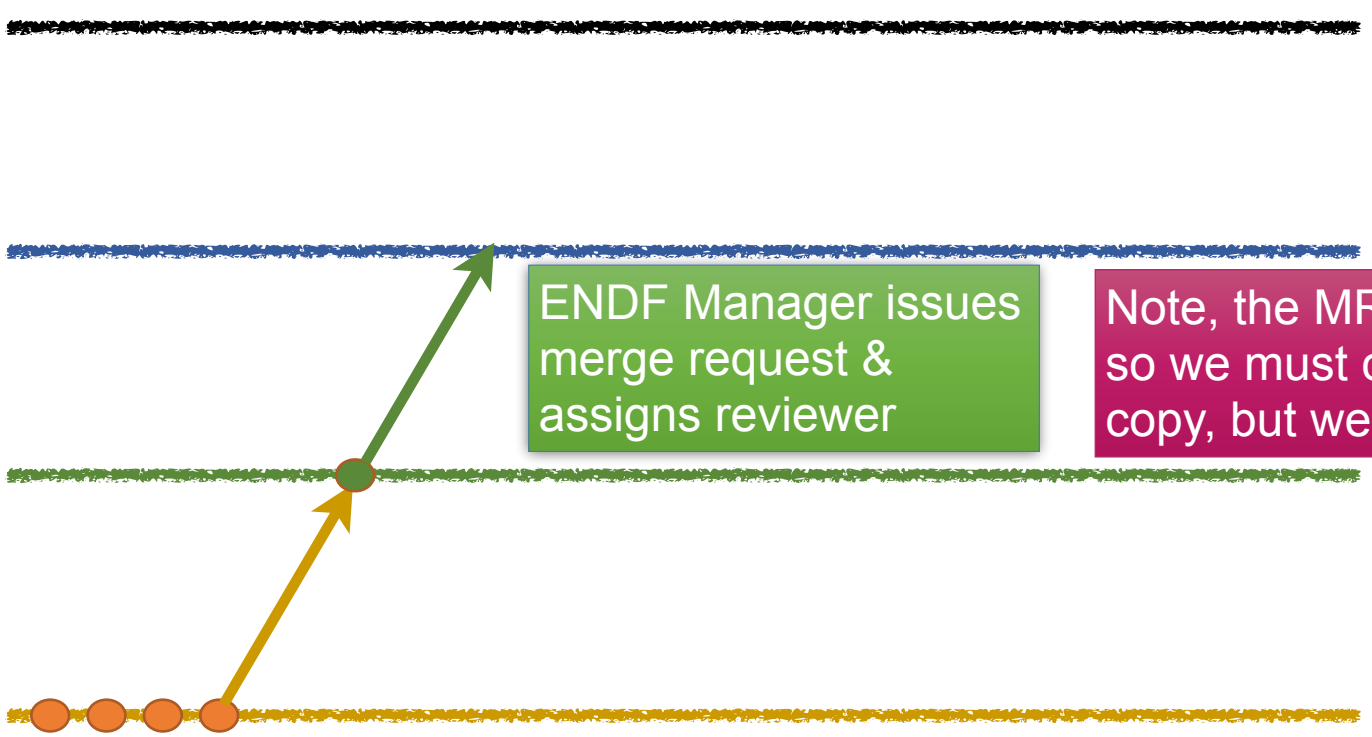

Sub library	# phase1 branches	# review branches/ #MR	Comment	Initial phase1 commit hash
thermal_scatt	9	4/0	13 stale branches, we need to move the process along! 15 changes since init	4ab796b8b2e3c68989ade9e316d2790c8bca5641
neutrons	2	8/0	68 changed files since project init	cf9e1d276c9ceb751cd895f06eae91c3705e7e42
decay	0	0	There were many review branches but they were closed. 520 changed files since project init	00aabcab42092072accb3cd6b0cb2a940dc9189f
gammas	0	0	No changes???? What happened with IAEA Photonuclear Library	66180650a907af7ca873d4374746b51debc6ffdd
deuterons	0	1/0	No changes since init, change predates init	49c8c3e181f638a4759b2ce7ba6d350738859066
atomic_relax	0	0	100 changes since init, all VERY minor	b8364ee93864e5025d1fb572afa27c1b03a8b75a
electrons	0	0	100 changes since init, all VERY minor	92a0b8f4aff7ce81437e27e3e73815fc97674dc4
photoat	0	0	100 changes since init, all VERY minor	09ca1346a0cf1a2f5496dc703524917e12593157
nfy	0	0	31 changed files since init	1d479df2f8a4a3f019f7f1761f2a50de548a1760
sfy	0	0	9 changed files since init	b7420751866650cf8e85137cd428b6bcaeac271
standards	0	0	Probably all changes should be locked until ENDF/B-IX	e3f2876d0dd0b86b18e99e32bf32ca667ad22ed4
alphas	0	3/3	3 changes since init, 2 changes predate init	e0fda3db36eb64265702e644c21bb87aea439f35
helium3s	0	0	No changes since init	458ef6b6026d7ce987a983b7e40c262daf808611
tritons	0	4/4	4 changed files since init	c8ccea7e155b52d21b485c6897e8d77107fc8cd5
protons	0	1/0	No changes since init	b60cc3a13dab16d92ca3864e934a51392c2e985c

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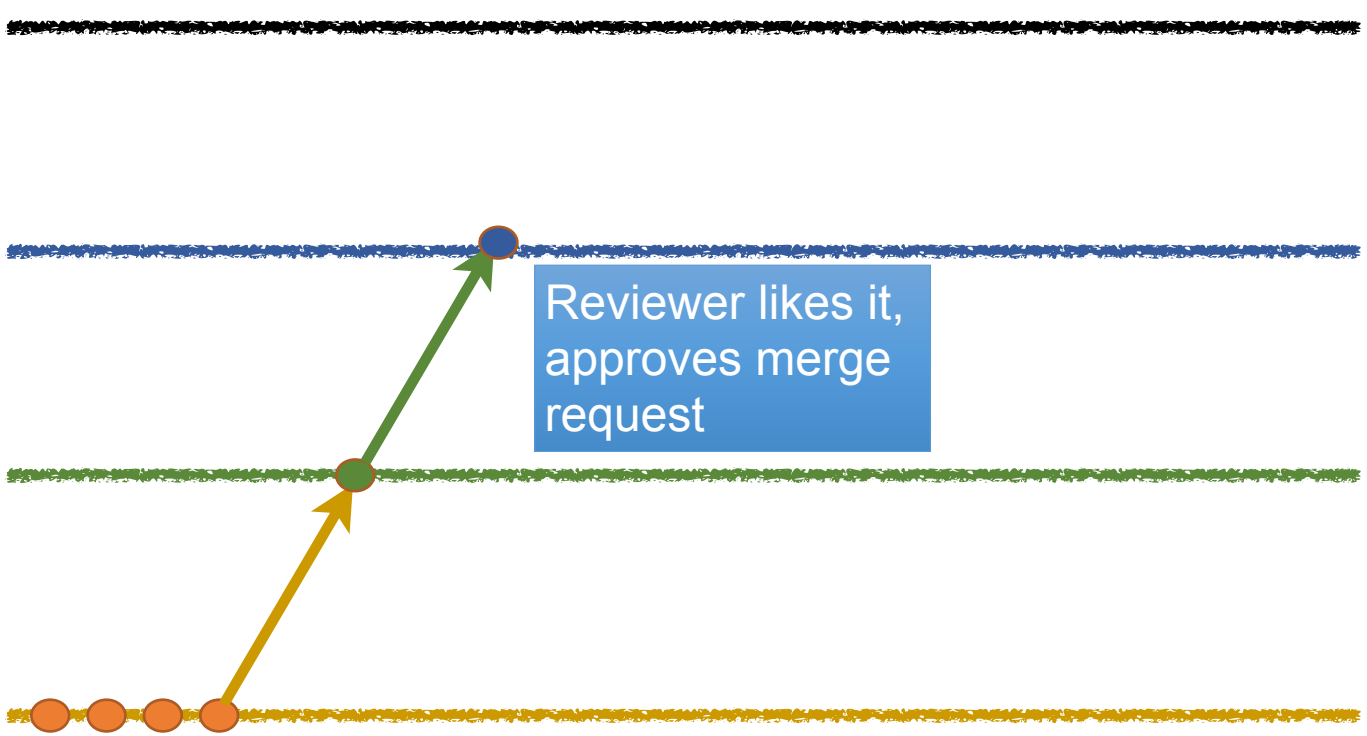

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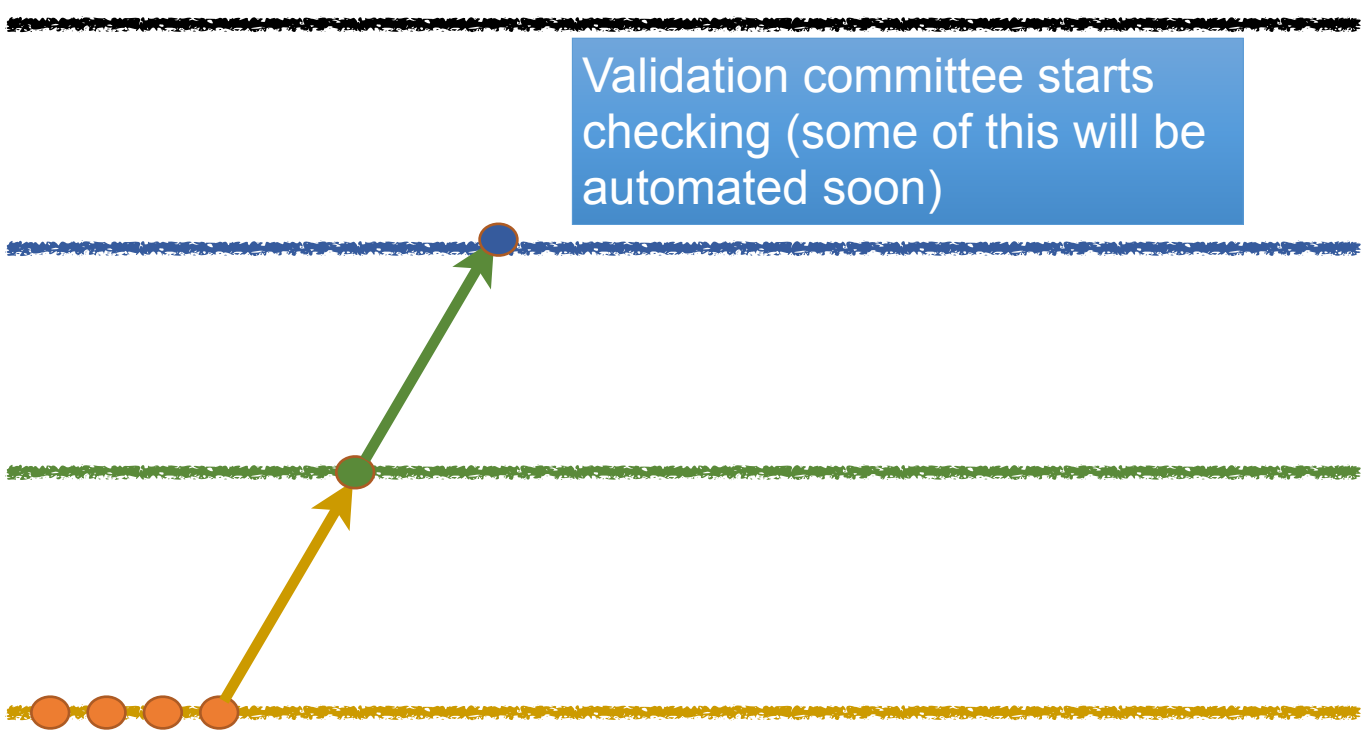

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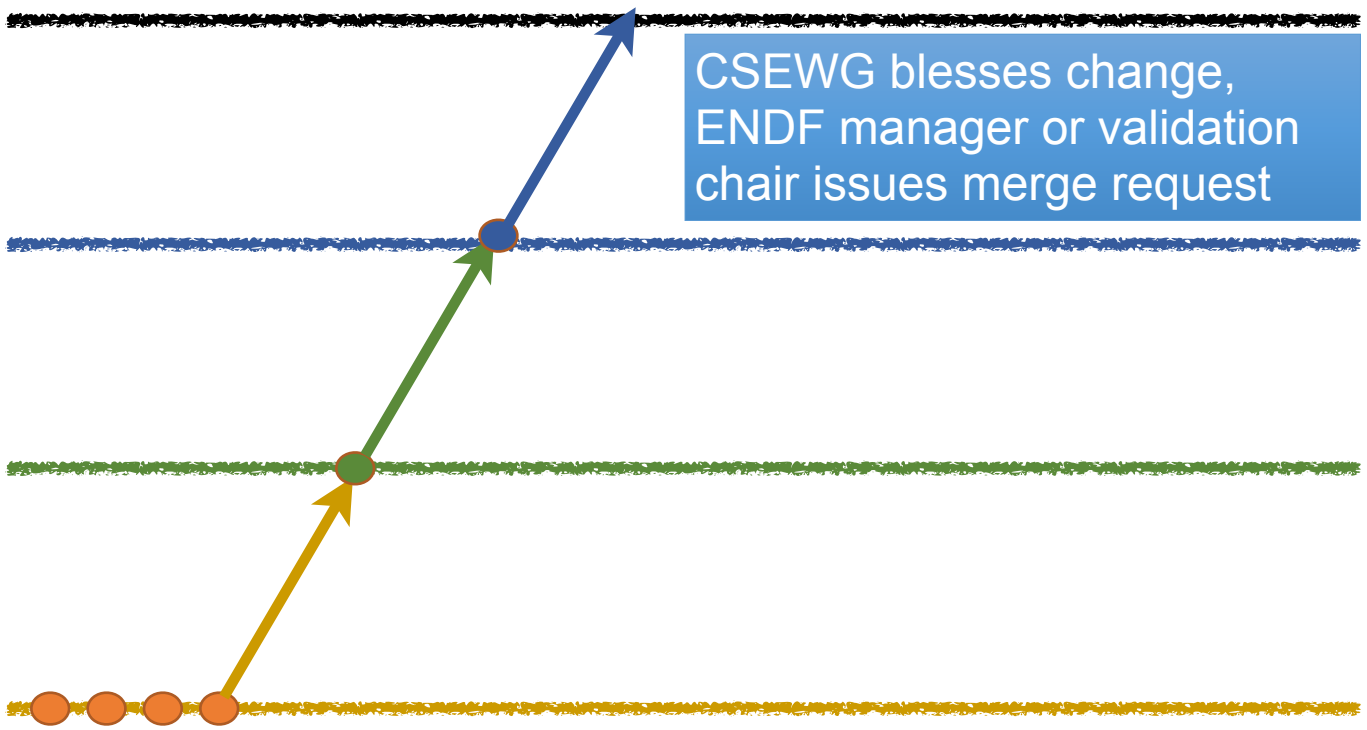

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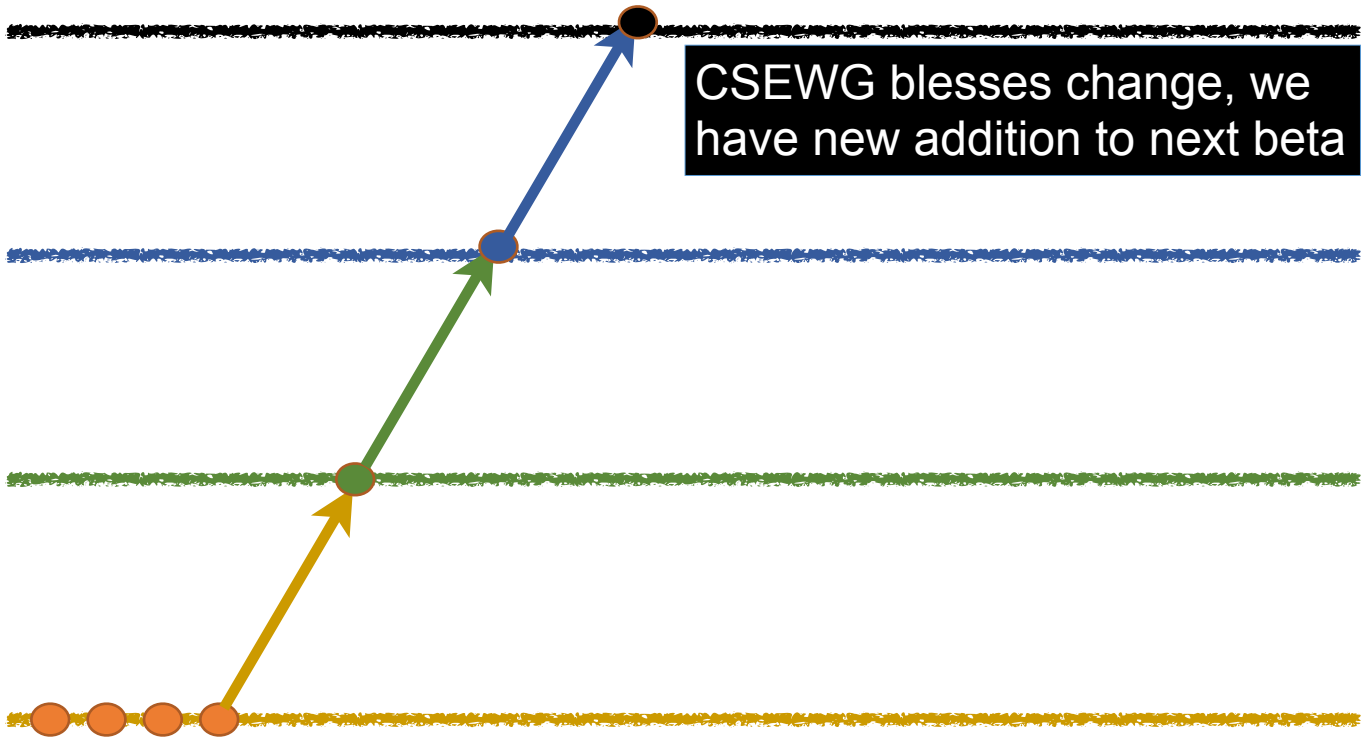

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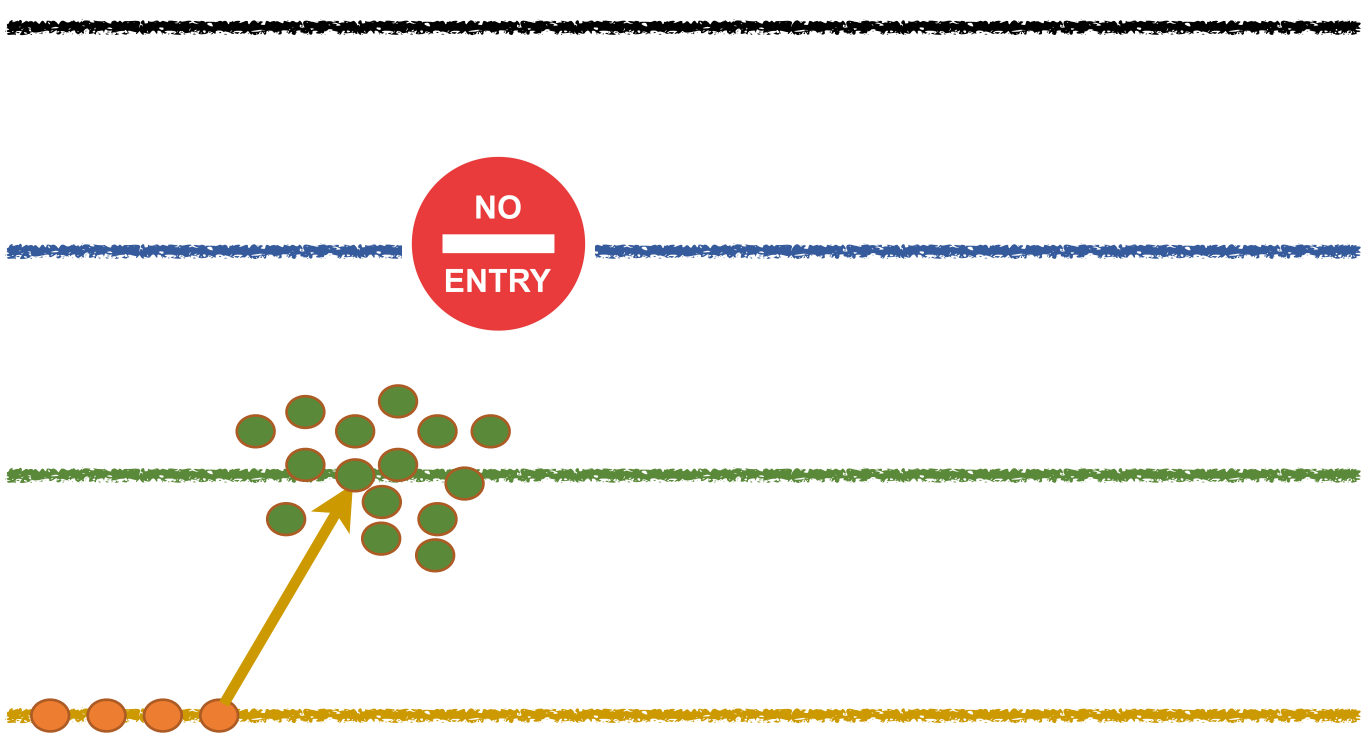

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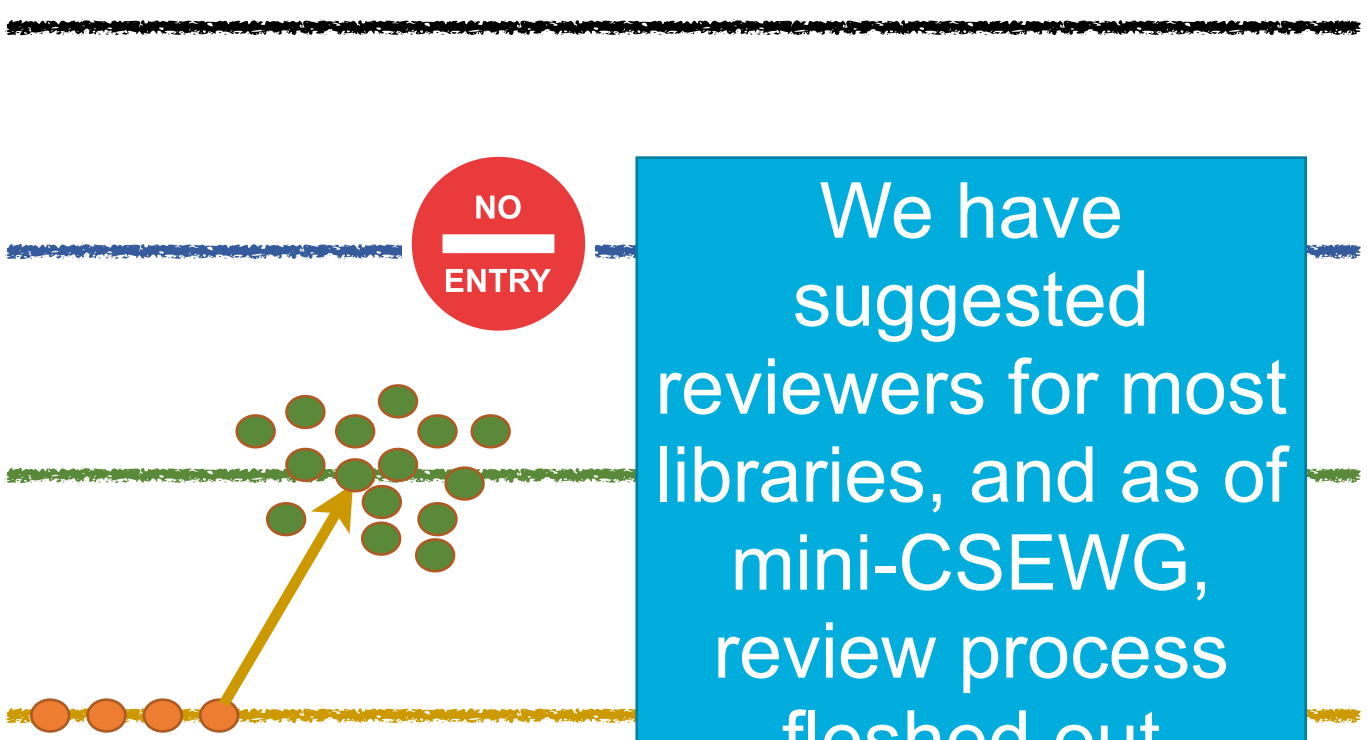

ACTION ITEMS

- [x] Describe review process in CONTRIBUTING.md files
- [x] Review forms for all sub libraries (you all agreed for now they can be the same)
- [x] Gather comments for review forms
- [x] Code to generate a phase2 merge request with new branch holding new evaluation
- [x] Code to generate reviewer form,
    - [x] Used legacy forms as starting point
    - [x] Template generates Markdown form that plays nice with gitlab
    - [x] Add link to prior phase1 evaluation
    - [x] Connect review form to MR automatically
- [ ] Set up reviewer notifications in gitlab
- [ ] Reviewers for all sub libraries - we have some names, but not for all sub libraries and not all reviewers have gitlab accounts

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We can and will start reviews.

It will be rough until we iron out remainder of technical issues