Workflow for ACES Development

1 - Issue / Topic Identification

a. ACES leadership receives community feedback from User Groups, ACEScentral, etc.

b. ACES leadership proposes topic of interest for further investigation

c. *Optional:* Small task force formed to research the scope of the topic and engineer straw man solutions

d. ACES team identifies a "workgroup facilitator" to organize meetings, discussions and work items

e. Prep for public discussion: Create ACEScentral Topic Draft Intro Message Call for Participants etc.

Deliverables

- Facilitator
- ACEScentral Topic Area
- Problem Statement, Requirements & Constraints
- *Optional:* Straw Man Solutions

2 - Community Discussion and Proposed Solutions

a. Initial online meeting with ACES community to discuss and frame the topic

b. Topic / engineering discussion on ACESCentral. Code-centric discussion via github

c. Follow-up online / in-person development meetings called by workgroup facilitator as needed

d. Solutions and suggested release timelines submitted to ACES leadership

e. Pull request opened with code and documentation changes and/or additions

Deliverables

- Recommended Solution Code
- Recommended Roll-out Plan
- Solution Documentation
- Development Documentation

3 - Solution Finalization

a. *Optional:* ACES leadership refers recommended solutions to architecture review board for approval / comment / modification

b. Final pull request reviewed by the ACES community

c. ACES leadership finalizes release plans

d. Meeting notes, recordings, presentations, data sets, experiments, etc archived to Zenodo

e. Pull request merged to dev branch

f. Dev branch merged to master and new ACES release version tagged

Deliverables

- New ACES Release
- Solution Documentation
- Archived Development Documentation