AOUSD Build Interest Group Charter

This Interest Group Charter establishes the Scope and intellectual property terms used to develop the materials identified in this Interest Group Charter for the Project. Only Project Steering Members, General Members, and Interest Group Member Organizations, as applicable, that joined this Interest Group Charter will be bound by its terms and be permitted to participate in this Interest Group.

<u>Interest Group Name</u>. Build Interest Group

1. Interest Group Purpose (check either or both):

✅ Explore potential formation of a new AOUSD Working Group.

✅ Discuss area(s) of potential future development at an existing or future AOUSD Working Group.

2. Interest Group Scope:
Scope: The Build Interest Group will examine, document, recommend and build prioritized improvements and expansions to the build and developer experience for OpenUSD.

- Build Systems and Packaging
  - Hosting pre-built binaries for OpenUSD on multiple platforms
  - Improve or add support for new and existing platforms / architectures (and new and existing flavors or versions) (ie, Linux distributions, visionOS, ARM, Android, …)
  - Improve or add support for new and existing deployment recipes (ie. cmake, build_usd.py, Conan, vcpkg, Python wheels, Bazel, …)
  - Turnkey installation for developers, via e.g., apt-get, pip install, Chocolatey, Bazel, Homebrew, …
- CI/CD and virtual machines
  - Set up CI/CD for release management, automated testing for Pull Requests, and performance benchmarking
- Improve ease of integration (into third-party apps) and extension (adding new plugins)
- Lower the barrier to entry through onboarding documentation, tutorials and streamlining build setup

- Assessment and prioritization of developer pain points reported on AOUSD Forums, GitHub, etc.
  - Python stub generation and doc builds for ease of method discovery
  - Auto-formatters to adhere to coding conventions, streamlining code reviews

Out of Scope:
Per Section 4.2 of the AOUSD Processes, all Interest Groups, including this Interest Group, "cannot develop, propose or publish any normative documents or other normative artifacts, such as schemas."

Specifically, this group will not make material changes to OpenUSD behaviors and features beyond the build system.

While this is not a complete list, here are some goals explicitly considered out of scope:
- Moving core USD documentation out of the main OpenUSD repo, into a separate repository
- Petitioning for inclusion of USD in the VFX Reference Platform (https://vfxplatform.com/)

3. **Effective Date of Charter:** June 23, 2025

4. **Date of Charter Review/Expiration (one year after effective date):** June 23, 2026

5. **Planned Output:** Prioritized improvements and expansions to the build and developer experience for OpenUSD, including new features (e.g., auto-formatting), improved documentation and tutorials, and expanded coverage of the build support matrix across operating systems and flavors.

6. **Connected AOUSD Working Groups (existing or future):** Based on identified priorities, this group may provide recommendations to the Technical Advisory Committee for priorities on build, versioning, and developer experience issues, as well as Steering Committee for budgeting for CI/CD and hosting of prebuilt binaries.

7. **Additional Interest Group Provisions:** This Interest Group will operate under (1) the Copyright Grant, Patent Licensing, and Source Code Terms defined below; and (2) all applicable terms in the Alliance for OpenUSD Process & Procedures, available on the Alliance's website.

8. Copyright Grant. Each Interest Group Participant grants to the Project a perpetual, worldwide, non-exclusive, no-charge, royalty-free, copyright license, without any obligation for accounting, to reproduce, prepare derivative works of, publicly display, publicly perform, sublicense, and distribute any Submission made by the Interest Group Participant to the full extent of the Interest Group Participant's copyright interest in the Submission.

9. Ownership of Collective Works. By participating in an Interest Group, the Interest Group Participant agrees that all copyright created in the collective work belongs to the Project.

10. Patent Licensing. By joining this Interest Group, each Interest Group Participant agrees that, to the extent it makes any Submission to this Interest Group which is subsequently included in an Approved Deliverable ("Connected Approved Deliverable") developed by any **AOUSD** Working Group explicitly identified in Section 6 of this Interest Group's Charter, the Interest Group Participant shall make available any of its Essential Claims, as defined in the W3C Patent Policy (available at https://www.w3.org/Consortium/Patent-Policy-20040205/), under the W3C RF licensing requirements in Section 5 (https://www.w3.org/Consortium/Patent Policy-20040205/), in such Submissions, in whole or in part, that are included in any Connected Approved Deliverable as if the Connected Approved Deliverable was a W3C Recommendation.

"Submission" means any material, including any modifications or additions to an existing work, that the Interest Group Participant submits for inclusion in any documentation or other output developed by the Interest Group.

11. Source Code. Interest Group Participants contributing source code to this Interest Group agree that those source code **contributions** are subject to the Developer Certificate of Origin version 1.1, available at http://developercertificate.org/ , the Apache 2.0 license, available at http://www.apache.org/licenses/LICENSE-2.0.html, and any policies and governance rules included in the source code's repository.