Contributing to Project Ne10

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Getting Started

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\* Make sure you have a [GitHub account].

\* Create an [issue] for your work if one does not already exist. This gives

everyone visibility of whether others are working on something similar. ARM

licensees may contact ARM directly via their partner managers instead if

they prefer.

\* If you intend to include Third Party IP in your contribution, please

raise a separate [issue] for this and ensure that the changes that

include Third Party IP are made on a separate topic branch.

\* [Fork][] [Ne10][] on GitHub.

\* Clone the fork to your own machine.

\* Create a local topic branch based on the [Ne10][] `master`

branch.

Making Changes

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\* Make commits of logical units. See these general [Git guidelines] for

contributing to a project.

\* Follow the [ProjectNe10 coding style]; this style is enforced for ProjectNe10.

\* Keep the commits on topic. If you need to fix another bug or make another

enhancement, please create a separate [issue] and address it on a separate

topic branch.

\* Avoid long commit series. If you do have a long series, consider whether

some commits should be squashed together or addressed in a separate topic.

\* Make sure your commit messages are in the proper format. If a commit fixes

a GitHub [issue], include a reference (e.g.

"fixes projectNe10/Ne10/issues/54"); this ensures the [issue] is

[automatically closed] when merged into the [Ne10] `master`

branch.

\* Where appropriate, please update the documentation.

\* Consider whether the [Release Notes] or [Building] file in the

[Documentation] folder need updating.

\* Changes that have a material impact on behavior or programming

interfaces should have an entry at the end of the [Release Notes]. Minor

changes (e.g. basic refactoring or typo fixes) do not need an entry.

\* If this is your first contribution, you may add your name or your

company name to the [Acknowledgements] file.

\* For topics with multiple commits, you should make all documentation

changes (and nothing else) in the last commit of the series. Otherwise,

include the documentation changes within the single commit.

\* Please test your changes. As a minimum, ensure the test application builds and runs.

Also, perform unit and conformance tests on new functions.

Submitting Changes

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\* Ensure that each commit in the series has at least one `Signed-off-by:`line,

using your real name and email address. The names in the Signed-off-by:` and

`Author:` lines must match. If anyone else contributes to the commit, they

must also add their own `Signed-off-by:` line. By adding this line the

contributor certifies the contribution is made under the terms of the

[Developer Certificate of Origin (DCO)][DCO].

\* Push your local changes to your fork of the repository.

\* Submit a [pull request] to Ne10.

\* The changes in the pull request will then undergo further review and

testing. Any review comments will be made as comments on the [pull

request]. This may require you to do some rework.

\* When the changes are accepted, ARM will integrate them.

\* To ensure a linear commit history, ARM will typically rebase the commits

locally before merging to the [Ne10] `master` branch. In

this case, the [pull request] will be closed rather than directly merged

on GitHub. If the rebase is not trivial, you may be asked to rebase the

commits yourself.

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[Release Notes]: ./doc/ReleaseNote.txt

[Building]: ./doc/building.md

[Documentation]: http://projectne10.github.io/Ne10/doc/

[Acknowledgements]: ./doc/acknowledgements.md "Contributor acknowledgements"

[DCO]: ./dco.txt

[GitHub account]: https://github.com/signup/free

[Fork]: https://help.github.com/articles/fork-a-repo

[issue]: https://github.com/projectNe10/Ne10/issues

[pull request]: https://help.github.com/articles/using-pull-requests

[automatically closed]: https://help.github.com/articles/closing-issues-via-commit-messages

[Git guidelines]: http://git-scm.com/book/ch5-2.html

[ProjectNe10 coding style]: https://github.com/projectNe10/Ne10/wiki/Ne10-Coding-Style

[Ne10]: https://github.com/projectNe10/Ne10

[contributing page]: http://www.arm.com/community/open-source-contributing.php