Policy on using AI assistants -Discussion

- The AI world is moving on at pace and leading-edge models are now learning code in a similar way to an engineer enabling them to create code rather than re-playing their training data, resulting in code which is not easily attributable to any source.
  - These rapid developments and changes in behaviour may influence our policy on the use of these tools for contributions to Trustedfirmware.org
  - At the same time, there are ongoing concerns with the ethics of using these tools, in particular respecting the rights of copyright holders and content owners when training these models

- Open Source Projects and organizations are considering their policies for accepting contributions where AI has been used in their creation
  - Some examples of those policies can be found in the next slide

- Trusted Firmware board and TSC should discuss and agree the policy on accepting code contributions where AI tools have been involved

- Using AI tools in TF workflows can be looked at separately in the future.

Policies from some Open Source Foundations/Projects

Foundation/Project	Policy Summary
Apache Foundation	• **No Restrictive AI Terms**: The AI tool's terms must not impose restrictions that contradict the **Open Source Definition**. • **Compliance with Copyright & Licensing**: The AI-generated code must be either **not copyrightable**, free of **third-party materials**, or use third-party materials **with permission** under a compatible open-source license. • **Transparency & Attribution**: Contributors should verify compliance via **AI tool disclosures or code scans** and are encouraged to **disclose the AI tool** used in their contributions.
Eclipse Foundation	• **Adhere to Policies & Understand AI Technology**: Follow your employer's and Eclipse's policies on AI use. Familiarize yourself with the strengths, limitations, and training sources of the AI platforms you use. • **Review Terms & Protect Sensitive Data**: Check AI platform terms of use for compliance, avoid inputting confidential or sensitive information, and be aware of how your inputs are processed. • **Ensure Accuracy & Transparency**: Verify AI-generated content for accuracy, use built-in tools to detect plagiarism or vulnerabilities, and attribute AI usage for transparency.
NetBSD	• **Do not commit tainted code to the repository.** • Code generated by a large language model or similar technology, such as GitHub/Microsoft's Copilot, OpenAI's ChatGPT, or Facebook/Meta's Code Llama, is presumed to be tainted code, and must not be committed without prior written approval by core.
Gentoo Linux	• **It is expressly forbidden to contribute to Gentoo any content that has been created with the assistance of Natural Language Processing artificial intelligence tools**. This motion can be revisited, should a case been made over such a tool that does not pose copyright, ethical and quality concerns. Rationale: **Copyright concerns, Quality concerns, Ethical concerns.**
Python Software Foundation	• **Acceptable Uses:** Generative AI can assist with writing comments, understanding existing code, and supplementing knowledge for code, tests, and documentation. • **Unacceptable Uses:** Fully AI-generated issues or PRs that are unproductive may be closed by maintainers. • **Consequences:** Contributors who repeatedly submit unproductive AI-generated content may be blocked.
Linux Foundation	• **AI-Generated Contributions:** AI-generated content can be contributed to Linux Foundation projects, but contributors must consider legal and licensing factors. • **Licensing & Attribution:** Contributors must ensure AI-generated content does not violate open-source licenses, confirm permissions for third-party materials, and provide proper attribution. • **Project & Employer Policies:** Individual projects and employers may have specific guidelines on AI use, which contributors must follow.
LLVM Foundation	• **Copyright Responsibility:** Contributors must ensure they have the right to contribute AI-generated code and avoid submitting copyrighted material. • **AI Tool Use Policy:** AI-generated contributions are allowed if they comply with the project license; violations will be removed. • **Contributor Accountability:** Contributors must review and understand AI-generated code before submission to avoid burdening maintainers.