

Guidelines for requesting weight from the OTF Validator

In order to streamline the weights process, the OTF has created guidelines for SN owners to request weights from OTF's Validator. All submissions will be handled on a first-come-first-served basis. **The limit for submissions is 1(once) per week. Updates to submissions will be dealt on a case by case basis.** Weights will be attributed to subnets that have met SN criteria. Every submission will be acknowledged with a brief response confirming the completion of our evaluation process, along with a summarized feedback and indication whether we will be updating your subnets weights. ***TESTNET participants may also use this form to request weight before their testnet goes live.***

Please submit responses to the following questions, in the body of the email sent to weights@opentensor.dev.

(To maintain OpeSec, DO NOT SEND PDF's, DOCS or DOWNLOADABLES)

1. Subnet Objectives and Contributions:

- What is the primary purpose of this subnet, and how does it enhance the Bittensor network as a whole?

2. Communication Protocols:

- Which communication protocols are utilized by this subnet?
- What type of data is transmitted, how frequently does this occur, and what is the typical data size?
- Is there any security or encryption applied to the messages? If not, are there plans to implement such measures? Describe the methods used to secure communications.
- GitHub Link Relevant to Communication Protocols

3. Incentives Mechanism:

- Please detail the reward mechanism for this subnet and include links to the relevant GitHub repositories.
- How are servers within your subnet incentivised? Is there a ranking system for incentives on your subnets?
- What type of data do validators use for queries? Is there a risk of data exhaustion? If not, provide examples of how data is generated or created to ensure unique validations.
- GitHub Link to Incentives Mechanism

4. Data Sources and Security:

- What is the origin of the data used by validators? Indicate if any data augmentation processes are in place.

- Are there any known vulnerabilities within your subnet, such as susceptibility to lookup attacks due to limited dataset size? If so, what measures are planned to safeguard the subnet?
- GitHub link to Data Sources

5. Compute Requirements:

- What are the computational prerequisites for participating in your subnet?
- How can miners increase their rewards? Are they required to train specific models or run predetermined models?
- Is there any public interface or user interaction with the subnet? If not currently available, are there plans to develop one?
- Are there any significant updates scheduled for the subnet? Please provide details if available.

6. Notebook and Code:

- Add a notebook or provide the code that does the following:
 - 1) Query the top miner uid (We will be using the foundation hotkey to do this)
 - 2) Demonstrate each reward/penalty mechanism/Scoring of the top miner response
 - 3) Queries the API and/or links to a frontend(if applicable)

7. Applications and Collaborations:

- Have any applications been developed on top of your subnet? While not mandatory, this information is beneficial.
- Is there any ongoing collaboration with other subnets? This is also not a requirement but is valuable information.

8. Development Roadmap:

- Outline some of the key development plans for your subnet.

9. Testnet Information:

- Did your subnet participate on testnet? Describe the scope and participation of your subnet on the testnet.
- Provide information on how updates from the testnet were managed and transitioned into the live environment.

10. Demo Recording:

- Please record a demo of your subnet and developed applications(if applicable) on www.Loom.com and provide a link to the recording.

11. Any other Relevant Links pertaining to your subnet:

- Link to frontend(If developed)
- Any additional links relevant to your subnet i.e. Documentation, marketing materials, etc.

Please ensure that all responses are concise and provide the necessary information to understand operational parameters of the subnet.

*****Evaluation Scoring*****

(1) Uniqueness of the subnet, contribution to the overall Bittensor environment and ML community, long-term vision (40%)

Ex:

- Goal of this subnet.
- Contribute to the overall Bittensor ecosystem.
- Applications built on top of your subnet.

(2) Subnet design, robustness of the reward mechanism, design of the miners and validators (40%)

Ex:

- Reward mechanism of the subnet.
- Subnet Security and risk.
- Data that validators are querying.

(3) Community engagement, overall response to feedback, and subnet stability (20%)

Ex:

- Community feedback & engagement
- Communication with Miners/Validators/Community
- Previous Exploits and Resolutions.