

Identity and Purpose Checklist for AI/ML Software Development

As the developer of an Artificial Intelligence (AI) - Machine Learning (ML) software, please confirm that you have considered the following minimum requirements for the AI/ML constituent:

Safety Requirements

- Are safety requirements allocated to the AI/ML constituent? ☒ ☐
 - ☐ If yes, describe:
 - List all safety requirements: []
 - How will these requirements be met?

Information Security Requirements

- Are information security requirements allocated to the AI/ML constituent? ☒ ☐
 - ☐ If yes, describe:
 - List all information security requirements: []
 - How will these requirements be met?

Functional Requirements

- Are functional requirements allocated to the AI/ML constituent? ☒ ☐
 - ☐ If yes, describe:
 - List all functional requirements: []
 - How will these requirements be met?

Operational Requirements

- Are operational requirements allocated to the AI/ML constituent? ☒ ☐
 - ☐ If yes, describe:
 - List all operational requirements: []
 - How will these requirements be met?
 - ODD monitoring and performance monitoring: []
 - Detection of out-of-domain (OoD) input data: []
 - Data-recording requirements: []

Non-Functional Requirements

- Are non-functional requirements allocated to the AI/ML constituent? ☒ ☐
 - ☐ If yes, describe:

- List all non-functional requirements: []
- How will these requirements be met?

Interface Requirements

- Are interface requirements defined for the AI/ML constituent? ☒ ☐
 - If yes, describe:
 - List all interface requirements: []
 - How will these requirements be met?

Reviewer's Checklist

As the reviewer of an Artificial Intelligence (AI) - Machine Learning (ML) software, please confirm that you have considered the following minimum requirements for the AI/ML constituent:

DA-02 Requirements

- Are safety requirements allocated to the AI/ML constituent? ☒ ☐
- Are information security requirements allocated to the AI/ML constituent? ☒ ☐
- Are functional requirements allocated to the AI/ML constituent? ☒ ☐
- Are operational requirements allocated to the AI/ML constituent? ☒ ☐
- Are non-functional requirements allocated to the AI/ML constituent? ☒ ☐
- Are interface requirements defined for the AI/ML constituent? ☒ ☐

MLOps Requirements

- Is version control implemented for ML models? ☒ ☐
- Are automated data pipelines used? ☒ ☐
- Is model drift detection on recorded data performed? ☒ ☐