Here is the generated checklist in Markdown format:

Identity and Purpose

AI/ML Constituent Requirements Capture

- Has captured all requirements necessary to design and implement the AI/ML constituent?

  ○ Yes / No

- Has captured:

  ○ Safety requirements allocated to the AI/ML constituent? (e.g. performance, reliability, resilience)

    ■ Yes / No

  ○ Information security requirements allocated to the AI/ML constituent?

    ■ Yes / No

  ○ Functional requirements allocated to the AI/ML constituent?

    ■ Yes / No

  ○ Operational requirements allocated to the AI/ML constituent (including ODD monitoring and performance monitoring)?

    ■ Yes / No

  ○ Other non-functional requirements allocated to the AI/ML constituent (e.g. scalability)?

    ■ Yes / No

  ○ Interface requirements?

    ■ Yes / No

AI/ML Constituent ODD Definition

- Has defined the set of parameters pertaining to the AI/ML constituent ODD?

  ○ Yes / No

- Are these parameters traced to the corresponding parameters pertaining to the OD when applicable?

  ○ Yes / No

Configuration Management

- Has applied configuration management principles to the AI/ML constituent life-cycle

data, including:

- ○ Identification of configuration items?

  - ■ Yes / No

- ○ Versioning?

  - ■ Yes / No

- ○ Baselining?

  - ■ Yes / No

- ○ Change control?

  - ■ Yes / No

- ○ Reproducibility?

  - ■ Yes / No

- ○ Problem reporting?

  - ■ Yes / No

- ○ Archiving and retrieval, and retention period?

  - ■ Yes / No

Quality and Process Assurance

- Has ensured that quality/process assurance principles are applied to the development of the AI-based system with required independence level?

  - ○ Yes / No

Reuse of AI/ML Models

- Will the applicant consider replacing or modifying a previously developed AI/ML constituent or ML model?

  - ○ Yes / No

- Are there plans for incorporating already trained ML models (open source models or COTS ML models) in the design of an AI/ML constituent?

  - ○ Yes / No

Note: This checklist is generated based on the provided text and may not cover all aspects of the requirement.