

Here is the checklist in Markdown format:

## **IDENTITY AND PURPOSE**

### **Configuration Management**

- Is versioning used for AI/ML constituent life-cycle data?  
☐ Yes ☐ No
- Are changes controlled and tracked throughout the development process?  
☐ Yes ☐ No
- Are reproducibility, problem reporting, archiving, and retrieval procedures in place?  
☐ Yes ☐ No
- Is retention period defined for configuration items?  
☐ Yes ☐ No

### **Quality and Process Assurance**

- Are quality and process assurance principles applied to AI/ML system development?  
☐ Yes ☐ No
- Is the required independence level maintained throughout the development process?  
☐ Yes ☐ No

### **Reuse of AI/ML Models**

- Are open source models or COTS ML models reused in the design of an AI/ML constituent?  
☐ Yes ☐ No
- Are OD and ODD adaptation procedures in place for reused models?  
☐ Yes ☐ No
- Is data quality ensured when reusing ML models?  
☐ Yes ☐ No
- Are change management procedures, including open problem reports, in place for reused models?  
☐ Yes ☐ No
- Is development explainability maintained when reusing ML models?  
☐ Yes ☐ No

- Is scalability considered and addressed when reusing ML models?

☐ Yes ☐ No

## **REQUIREMENTS CAPTURE**

### **AI/ML Constituent Requirements**

- Are safety requirements allocated to the AI/ML constituent captured?

☐ Yes ☐ No

- Are information security requirements allocated to the AI/ML constituent captured?

☐ Yes ☐ No

- Are functional requirements allocated to the AI/ML constituent captured?

☐ Yes ☐ No

- Are operational requirements, including ODD monitoring and performance monitoring, allocated to the AI/ML constituent captured?

☐ Yes ☐ No

- Are other non-functional requirements, such as scalability, allocated to the AI/ML constituent captured?

☐ Yes ☐ No

- Are interface requirements captured?

☐ Yes ☐ No