Checklist for Developing Artificial Intelligence - Machine Learning Software

Safety Requirements Allocated to AI/ML Constituent

Requirement	Yes / No
Is the AI/ML constituent designed with performance requirements that ensure reliable operation?	
Does the AI/ML constituent have resilience features to prevent or mitigate errors?	
Are there safety protocols in place for OoD input data detection and recording?	

Information Security Requirements Allocated to AI/ML Constituent

Requirement	Yes / No
Is the AI/ML constituent designed with information security features that prevent unauthorized access?	
Are encryption methods used to protect sensitive data?	
Are there secure protocols for data transmission and storage?	

Functional Requirements Allocated to AI/ML Constituent

Requirement	Yes / No
Does the AI/ML constituent have the necessary interfaces to interact with other system components?	
Are there functional requirements for ODD monitoring and performance monitoring?	
Are there detection mechanisms in place for OoD input data and data recording requirements?	

Operational Requirements Allocated to AI/ML Constituent

Requirement	Yes / No
Are operational requirements defined for AI/ML constituent ODD monitoring and performance monitoring?	
Are there procedures for detecting and addressing OoD input data?	
Are data recording requirements specified?	

Non-Functional Requirements Allocated to AI/ML Constituent

Requirement	Yes / No
Is scalability considered a non-functional requirement for the AI/ML constituent?	

Are other non-functional requirements, such as usability or maintainability, defined?

Checklist for Reviewing Artificial Intelligence - Machine Learning Software

Verify Safety Requirements Allocated to AI/ML Constituent

Requirement	Yes / No
Is the AI/ML constituent designed with performance requirements that ensure reliable operation?	
Are there safety protocols in place for OoD input data detection and recording?	

Verify Information Security Requirements Allocated to AI/ML Constituent

Requirement	Yes / No
Is the AI/ML constituent designed with information security features that prevent unauthorized access?	
Are encryption methods used to protect sensitive data?	

Verify Functional and Operational Requirements Allocated to AI/ML Constituent

Requirement	Yes / No
Does the AI/ML constituent have the necessary interfaces to interact with other system components?	
Are there functional requirements for ODD monitoring and performance monitoring?	
Are operational requirements defined for AI/ML constituent ODD monitoring and performance monitoring?	

Verify Non-Functional Requirements Allocated to AI/ML Constituent

Requirement	Yes / No
Is scalability considered a non-functional requirement for the AI/ML constituent?	
Are other non-functional requirements, such as usability or maintainability, defined?	

Note: The above checklist is generated based on the provided text and may not be exhaustive. It is recommended to review the original document for a complete understanding of the requirements.