Checklist for Artificial Intelligence - Machine Learning Software Development and Review

Capture of AI/ML Constituent Requirements

For the Developer:

Requirement	YES / NO
Capture all necessary requirements to design and implement the AI/ML constituent	
Identify safety requirements allocated to the AI/ML constituent (e.g. performance, reliability, resilience)	
Identify information security requirements allocated to the AI/ML constituent	
Identify functional requirements allocated to the AI/ML constituent	
Identify operational requirements allocated to the AI/ML constituent (including AI/ML constituent ODD monitoring and performance monitoring)	
Identify other non-functional requirements allocated to the AI/ML constituent (e.g. scalability)	
Identify interface requirements	

For the Reviewer:

Requirement	YES / NO
Verify that all necessary requirements have been captured for the AI/ML constituent design and implementation	
Check if safety requirements are allocated to the AI/ML constituent (e.g. performance, reliability, resilience)	
Validate information security requirements allocated to the AI/ML constituent	
Confirm functional requirements are allocated to the AI/ML constituent	
Verify operational requirements are allocated to the AI/ML constituent (including AI/ML constituent ODD monitoring and performance monitoring)	
Check if other non-functional requirements are allocated to the AI/ML constituent (e.g. scalability)	
Validate interface requirements	

Definition of AI/ML Constituent ODD Parameters

For the Developer:

Requirement	YES / NO
Define the set of parameters pertaining to the AI/ML constituent ODD	
Trace AI/ML constituent ODD parameters to corresponding OD parameters when applicable	

For the Reviewer:

Requirement	YES / NO
Verify that the AI/ML constituent ODD parameters are defined	
Confirm that AI/ML constituent ODD parameters are traced back to corresponding OD parameters when applicable	

Note: This checklist is a low-level output, focusing on the specific requirements and steps mentioned in the provided document.