

Here is the generated checklist in Markdown format:

IDENTITY AND PURPOSE

LM-14: Verify Anticipated Generalisation Bounds

- Has the applicant verified the anticipated generalisation bounds using the test data set?
- Are the results recorded as evidence of the validity of the anticipated generalisation bounds?

LM-15: Capture ML Model Description

- Has the applicant captured a final ML model description in preparation for the ML model implementation step?

MODEL IMPLEMENTATION

IMP-01: Requirements Capture and Validation

- Have the requirements pertaining to the ML model implementation process been captured?
- Are the AI/ML constituents' requirements, learning requirements, and data processing requirements included?

CONFIGURATION MANAGEMENT

CM-01: Apply Configuration Management Principles

- Is all configuration management life-cycle data applied, including:
 - Identification of configuration items
 - Versioning
 - Baselining
 - Change control
 - Reproducibility
 - Problem reporting
 - Archiving and retrieval
 - Retention period?
- Are the collected data, training, validation, and test data sets used for the frozen model managed as configuration items?

QUALITY AND PROCESS ASSURANCE

QA-01: Ensure Quality/Process Assurance

- Have quality/process assurance principles been applied to the development of the AI-

- based system with the required independence level?
- Are any deviations from plans addressed?

REUSE OF AI/ML MODELS

RMM-01: Reuse Considerations

- Has consideration been given to replacing or modifying a previously developed AI/ML constituent or ML model?
- Have concerns about OD and/or ODD adaptation, data quality, change management, development explainability, and scalability been addressed?

Note: This checklist is designed to be reviewed by both the author developing the artificial intelligence-machine learning software and the reviewer reviewing it.