

Here is the generated checklist for the author developing the artificial intelligence-machine learning software and for the reviewer reviewing it:

## Configuration Items

Author:

- Have you managed all data, training, validation, and test data sets used for the frozen model as configuration items?
- Are all tooling used during the transformation of data also being managed as configuration items?

Reviewer:

- Has the author managed all data, training, validation, and test data sets used for the frozen model as configuration items?
- Have the author's tooling used during the transformation of data been properly managed as configuration items?

## Quality and Process Assurance

Author:

- Are quality and process assurance principles being applied to the development of the AI-based system with the required independence level?
- Have all activities been completed as outlined in plans, or have deviations been addressed?

Reviewer:

- Is the author applying quality and process assurance principles to the development of the AI-based system with the required independence level?
- Are all activities being completed as outlined in plans, or are there any deviations that need to be addressed?

## Reuse of AI/ML Models

Author:

- Have you considered replacing or modifying previously developed AI/ML constituents or ML models?
- Have you adapted OD and/or ODD; ensured data quality; managed change reports; ensured development explainability; and scaled the model for reuse?

Reviewer:

- Has the author considered replacing or modifying previously developed AI/ML constituents or ML models?
- Are there any issues with OD and/or ODD adaptation, data quality, change management, development explainability, and scalability that need to be addressed?

# Proportionality of Guidance

Author:

- Have you applied proportionality principles based on the AI level (per Objective CL-01) and criticality (assurance level per Objective SA-01) of the item containing the ML model?
- Have you considered the limited experience gained from operations on the guidance proposed in this document?

Reviewer:

- Has the author applied proportionality principles based on the AI level and criticality of the item containing the ML model?
- Are there any concerns with proportionality that need to be addressed?

Let me know if this meets your requirements!