Here is the checklist for the author and reviewer:

# AI/ML Constituent ODD Requirements Checklist

## Confirming the AI/ML Constituent ODD Definition

- Is the AI/ML constituent ODD defined?

  ○ [Yes] / [No]

- Are the parameters in the AI/ML constituent ODD relevant to support the intended use?

  ○ [Yes] / [No]

- Can the origin of the data be determined?

  ○ [Yes] / [No]

- Are requirements related to the annotation process defined?

  ○ [Yes] / [No]

- Is the format, accuracy, and resolution of the data defined?

  ○ [Yes] / [No]

- Is the traceability of the data from its origin to its final operation through the whole pipeline of operations ensured?

  ○ [Yes] / [No]

- Are mechanisms ensuring that the data will not be corrupted while stored, processed, or transmitted over a communication network defined?

  ○ [Yes] / [No]

- Is the completeness and representativeness of the data sets defined?

  ○ [Yes] / [No]

- Are the levels of independence between the training, validation, and test data sets defined?

  ○ [Yes] / [No]

## Data Quality Requirements

- Is the accuracy of each type of data representing an operating parameter of the AI/ML constituent ODD defined?

  ○ [Yes] / [No]

- Is the resolution of each type of data representing an operating parameter of the AI/ML constituent ODD defined?

  ○ [Yes] / [No]

- Is the quality of annotated data for each type of data representing an operating parameter of the AI/ML constituent ODD defined?

  ○ [Yes] / [No]

- Is the integrity of each type of data representing an operating parameter of the AI/ML constituent ODD ensured, i.e., it has not been corrupted while stored, processed, or transmitted over a communication network?

  ○ [Yes] / [No]

- Are necessary manipulations of the data (e.g. anonymization) defined for each type of data representing an operating parameter of the AI/ML constituent ODD?

  ○ [Yes] / [No]

## Additional Parameters and Operating Conditions

- Are additional parameters linked to sensors used for input data of the ML model (e.g. brightness, contrast, level of blur) identified and defined?

  ○ [Yes] / [No]

- Is a semantic approach required for defining operating parameters in high-dimensional use cases (e.g. computer vision)?

  ○ [Yes] / [No]

- Are ranges for parameters in the AI/ML constituent ODD limited to an area of the OD where ML model performance is aligned with captured requirements?

  ○ [Yes] / [No]

- Are exceptionally, one or a few ranges for parameters in the AI/ML constituent ODD supersets of ranges for corresponding parameters at the level of the OD?

  ○ [Yes] / [No]

Note: This checklist is designed to be low-level and detailed, providing a comprehensive review of the AI/ML Constituent ODD requirements.