Identity and Purpose Checklist

For AI/ML Software Developer:

- Have you defined the parameters pertaining to the AI/ML constituent ODD (Observable Data Definitions)?

    ○ [Yes] / [No]

- Are you paying attention to:

    ○ Definition of nominal data
    ○ Identification of edge cases, corner cases, and infeasible corner cases
    ○ Detection and removal of inliers
    ○ Detection and management of novelties
    ○ Definition of outliers for detection and management?
    ○ [Yes] / [No]

- Have you captured DQRs (Data Quality Requirements) for all data required for training, testing, and verification of the AI/ML constituent?

    ○ [Yes] / [No]

For AI/ML Software Reviewer:

- Has the developer defined the parameters pertaining to the AI/ML constituent ODD (Observable Data Definitions)?

    ○ [Yes] / [No]

- Is attention being paid to:

    ○ Definition of nominal data
    ○ Identification of edge cases, corner cases, and infeasible corner cases
    ○ Detection and removal of inliers
    ○ Detection and management of novelties
    ○ Definition of outliers for detection and management?
    ○ [Yes] / [No]

- Has the developer captured DQRs (Data Quality Requirements) for all data required for training, testing, and verification of the AI/ML constituent?

    ○ [Yes] / [No]

Low-Level Checklist:

Data Preparation

- Is the data 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]

- What is the format, accuracy, and resolution of the data?

  - ○ [Yes] / [No]

- Is the traceability of the data from its origin to its final operation 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 ensured?

  - ○ [Yes] / [No]

Training, Validation, and Test Data

- Are the training, validation, and test data sets independent from each other?

  - ○ [Yes] / [No]

- Is the level of independence between the data sets defined?

  - ○ [Yes] / [No]