

IDENTITY AND PURPOSE CHECKLIST

For the Author:

- Has the AI/ML constituent been designed to align with the existing system's design philosophy?
☐ Yes / No
- Are the ML models reused, and if so, have measures been taken to adapt to OD and/or ODD changes?
☐ Yes / No
- Is data quality ensured throughout the development process?
☐ Yes / No
- Have contingency plans or alternative workarounds been developed for potential failures?
☐ Yes / No
- Are end users provided with clear instructions on how to access and utilize these contingency measures?
☐ Yes / No
- Does the system provide expected timelines for resolving issues and restoring normal operation?
☐ Yes / No

For the Reviewer:

- Has the AI/ML constituent's design been reviewed from a safety (support) perspective?
☐ Yes / No
- Are derived requirements examined to determine which functions they support, allowing for proper Failure Condition classification?
☐ Yes / No
- Have data management requirements captured and been documented?
☐ Yes / No
- Is the data collection process thorough and complete?
☐ Yes / No
- Are data sets verified for accuracy, completeness, and representativeness with respect to ML requirements?

☐ Yes / No

DATA MANAGEMENT CHECKLIST

For both Author and Reviewer:

- Has data management been identified as a separate process in the development lifecycle?

☐ Yes / No

- Have data management requirements captured been documented?

☐ Yes / No

- Is data collection thorough and complete?

☐ Yes / No

- Are data sets verified for accuracy, completeness, and representativeness with respect to ML requirements?

☐ Yes / No

- Has unwanted bias inherent to the data sets been identified and eliminated?

☐ Yes / No