Identity and Purpose Checklist

Inference Model Verification (IMP - 08)

Item	Yes/ No
Evaluate the performance of the inference model based on test data set	
Document the result of the model verification Measure final performance with test data set and feed back to safety assessment process	
Link evaluation to metrics defined under SA-01 and explain any divergence compared to LM-09	\square
Inference Model Stability (IMP - 09)	
Item	Yes/ No
Verify stability of the inference model throughout M L constituent ODD	
Address nominal cases, singular points, edge, and corner cases	abla
Verify stability in operational phase due to fluctuations in data input (e.g. noise on sensors)	
Inference Model Robustness (IMP - 10)	
Item	Voc./
Ttem	Yes/ No
Perform and document verification of inference model robustness in adverse conditions	-
Perform and document verification of inference model robustness in adverse	No
Perform and document verification of inference model robustness in adverse conditions Support test cases with edge or corner cases within ODD (e.g. weather conditions	No ☑□
Perform and document verification of inference model robustness in adverse conditions Support test cases with edge or corner cases within ODD (e.g. weather conditions like snow, fog)	No ☑□
Perform and document verification of inference model robustness in adverse conditions Support test cases with edge or corner cases within ODD (e.g. weather conditions like snow, fog) Refine anticipated MOC based on MLEAP project deliverables	No ☑□
Perform and document verification of inference model robustness in adverse conditions Support test cases with edge or corner cases within ODD (e.g. weather conditions like snow, fog) Refine anticipated MOC based on MLEAP project deliverables Inference Model Integration into AI/ML Constituent (IMP - 11)	No ✓ ✓ ✓ Yes/
Perform and document verification of inference model robustness in adverse conditions Support test cases with edge or corner cases within ODD (e.g. weather conditions like snow, fog) Refine anticipated MOC based on MLEAP project deliverables Inference Model Integration into AI/ML Constituent (IMP - 11) Item Perform requirements-based verification of inference model behavior when	No ✓ ✓ ✓ Yes/ No
Perform and document verification of inference model robustness in adverse conditions Support test cases with edge or corner cases within ODD (e.g. weather conditions like snow, fog) Refine anticipated MOC based on MLEAP project deliverables Inference Model Integration into AI/ML Constituent (IMP - 11) Item Perform requirements-based verification of inference model behavior when integrated into AI/ML constituent Capture and uniquely identify all requirements necessary to design and implement	No ✓□ ✓□ Yes/ No ✓□

Note: This checklist is generated based on the provided text and is intended to be a low-level, detailed checklist for developers and reviewers of artificial intelligence-machine learning software.