This checklist must be submitted as a PDF as part of your submission.

	e of Certifying Engineer(s): Sebastian Boblest Benjamin Wagner Khoi Do Vuy Ulrik Hjort Sven Markwart il of Certifying Engineer(s):
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Nam	e(s) of System Under Test: DISCO STM32F746 Nucleo STM32H7A3 Nucleo STM32L4R5 Nucleo STM32G0B1RE Nucleo STM32U575ZI
	ion (check one): Open Closed
•	gory (check one): Available Preview Research, Development, and Internal (RDI)
v v	chmark(s) (check all that apply): Visual Wake Words Keyword Spotting Anomaly Detection Image Classification
Plea	se fill in the following table adding lines as necessary:

Please fill in the following table adding lines as necessary:

System Under Test Name	Benchmark	Accuracy/AUC
DISCO STM32F746	AD	77.4%/0.86
DISCO STM32F746	IC	87.5%/0.98

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DISCO STM32F746	KWS	90.1%/0.99
DISCO STM32F746	vww	85.4%/0.94
Nucleo STM32G0B1RE	AD	77.4%/0.86
Nucleo STM32G0B1RE	IC	87.5%/0.98
Nucleo STM32G0B1RE	KWS	90.1%/0.99
Nucleo STM32G0B1RE	vww	85.4%/0.94
Nucleo STM32H7A3	AD	77.4%/0.86
Nucleo STM32H7A3	IC	87.5%/0.98
Nucleo STM32H7A3	KWS	90.1%/0.99
Nucleo STM32H7A3	vww	85.4%/0.94
Nucleo STM32L4R5	AD	77.4%/0.86
Nucleo STM32L4R5	IC	87.5%/0.98
Nucleo STM32L4R5	KWS	90.1%/0.99
Nucleo STM32L4R5	vww	85.4%/0.94
Nucleo STM32U575ZI	AD	77.4%/0.86
Nucleo STM32U575ZI	IC	87.5%/0.98
Nucleo STM32U575ZI	KWS	90.1%/0.99
Nucleo STM32U575ZI	VWW	85.4%/0.94

For each SUT, is the benchmark Accuracy/AUC target met? (Not a requirement for the Open division) (check all that apply):

- ✓ Yes (Visual Wake Words ... 80% Accuracy)
- ✓ Yes (Keyword Spotting ... 90% Accuracy)
- √ Yes (Anomaly Detection ... 0.85 AUC)
- √ Yes (Image Classification ... 85% Accuracy)
- ☐ No, for some combination of benchmark, scenario and SUT

For each SUT and benchmark, did the submission run on the whole validation set in accuracy mode? (check one):

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✓	Yes
	No
✓	nch SUT and benchmark, does the submission use the EEMBC Runner? (check one) Yes No
(check ✓	ach SUT and benchmark, is the same code run in accuracy and performance modes? one) Yes No
Are the □	e weights calibrated using data outside of the official calibration set? (check one) Yes No
What i	numerics does the submission use? (check all that apply)
	INT4
✓	INT8
	INT16
	UINT8
	UINT16
	FP11
	FP16
	BF16
	FP32
	Other, please specify:
What I	backend does the submission use? (check all that apply)
	Vendor backend, please name:
	TF-Lite Micro
	Micro TVM
✓	Other, please specify: Bosch Hardware-Aware Lowering Engine (<i>HALE</i>) version 1.0
	of the following caching techniques does the submission use? (check all that apply, none):
ū	Caching Inputs between iterations
	Caching responses between iterations
	Caching intermediate computations between iterations

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Which of the following techniques does the submission use? (check all that apply, ideally none if submitting to the closed division.) □ Quantization aware training □ Wholesale weight replacement □ Weight supplements □ Discarding non-zero weight elements □ Pruning □ Modifying weights during the timed portion of an inference run □ Hard coding the total number of queries ✓ None of the above
Is the submission congruent with all relevant MLPerf rules? ✓ Yes □ No
If the answer to the above question is no, please explain:
For each SUT, have you filled out the JSON system description file? ✓ Yes □ No
For each SUT, does the submission accurately reflect the real-world performance of the SUT? ✓ Yes □ No
Does your submission include the following: (check all that apply) ✓ System description file ✓ Code that implements the benchmarks □ Code/scripts that train the model(s) (Open Division) □ Metadata that describes each system-implementation combination tested □ Scripts that set up and execute each system implementation tested ✓ Result logs for each system implementation tested ✓ This Checklist