Submitted by the experts
from CLEPA and OICA

Informal document **GRVA-16-04**
16th GRVA, 22 - 26 May 2023
Provisional agenda item 3

Industry Position on usage of AI Machine Learning

For the time being, Industry could use machine-learning algorithms to create frozen software versions and/or support automated test processes.

To respect the type-approval regime, Industry can't issue software updates which may affect type-approval relevant functions without re-engaging with the type-approval process.

This procedure ensures that the software in the vehicle, affecting functions that require type approval, is only updated by authorized parties, since software is likely to be updated regularly.

The new version of the software may be updated in the vehicle after passing all relevant tests in accordance with the processes for software updates and their management systems.

All updates to vehicle systems must follow the processes defined in a software update management system. This is ensured by the technical services and Type approval Authorities as part of the type approval process.

Industry's position is, that clear documentation of the installed software must be provided by the authorized party who was responsible for the installation.

Each authorized party can only control the documentation for its own updates, not for those of other parties.

In other words, Software, whether it is created by machine learning or not, will be tested prior to deployment according to comply to all applicable Laws, Regulations (e.g. UN-R) and Policies. Any updates to systems in the market will need to follow the type approval process.

INTERNAL