Commitment of the technological industry

► The agricultural vehicles and machinery industry is part of the technological industry.
► The architecture of automotive vehicles and agricultural vehicles are not comparable as they serve a different purpose and were develop separately.
► Solutions must be suitable and proportionate.
► In Europe this is reflected in the New Legislative Framework legislations that entail in most cases self-certification and use of harmonised standards which provides flexibility and reduces administrative burden to a minimum.
► the agricultural vehicles and machinery industry is committed to work on the necessary measures in relation to cybersecurity and software updates and welcomes suitable legal actions.

► As a result, and as agreed within UNECE GRVA, we present a roadmap on how to handle content and implementation of CS and SUMS.
Roadmap: start with expert assessment within ISO

- The first step is the development of suitable technical requirements through standardisation (under ISO TC23/SC19) due to the existing network of global expertise.

- A follow-up of the standardisation process could be done within a dedicated GRVA subgroup for agricultural vehicles.

- The start on legal requirements can start once a solid basic standardisation text is available.
Roadmap: CEMA proposal for timeline to define requirements and for the implementation

Cybersecurity

Work of AEF Project Team Cybersecurity

► Start of analysis of security regulations and standards
  Mai 2022
► First outline of Cybersecurity Standard for Agricultural vehicles
  Sept. 2022

CEMA and AEF

► Request for a New Work Item @ISO
  29 Sept SC19 meeting
► Start of standardisation projects (NWI)
  Quarter 1 2023
► Publication of ISO/CEN Standard
  Quarter 1 2026
► Application within Type approval (TA) for a new type of vehicle
  preference to leave it open
► Application within TA for any new vehicle placed on the market (all types)
  2034-2036
► harmonised standard for compliance to all current relevant CS NLF legislation
  the earliest 2028
► harmonised standard for compliance to the Cyber-Resilience Act (out since 15 Sept) to be assessed

Software Update Management System:

► Assessment on timeline
  earliest 2023
► Request for a New Work Item @ISO
  29 Sept SC19 meeting
Roadmap: final considerations

On cybersecurity:
► The timeline proposed will be followed for all vehicles/machines in relation to the standardization work
► For mobile machinery and categories R&S in relation to occupational safety, EU compliance is necessary with NLF legislation, including Cyber-Resilience Act (Latter still up for assessment)
► NEW: tractors are currently in scope of the Cyber-Resilience Act

► CEMA proposes to use the time within the standardization process, to carefully consider the options for agricultural vehicles and machinery on Cybersecurity, including the Cyber-Resilience Act.

On Software update Management Systems
► The RxSWIN system, though optional, clearly shows that the SUMS serves to link the different UNECE Regulations on braking /steering but also the many new ADS/ADAS systems. Few UNECE regulations are applicable to agricultural vehicles. Most are related to components.