

Agricultural Industry Electronics Foundation

AEF e.V.

ISO BUS

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Member SC AEF

Agenda

- AEF - Organisation and Objective
- Project groups and projects
- Guidelines
- New Projects



AEF – the Organisation

Agricultural *Industry* Electronics Foundation



- Founded: 28. Oktober 2008
- Initiative of agricultural manufacturer companies and their associations
- Registered as e.V. in Frankfurt, Germany

Approach:

- International organisation for implementation of standards in electronic systems in agricultural machinery

AEF – the Organisation

Foundation Members = Funding Members = Steering Committee



*) Grimme is representing CCI .e.V (Competence Center ISOBUS) and their member companies

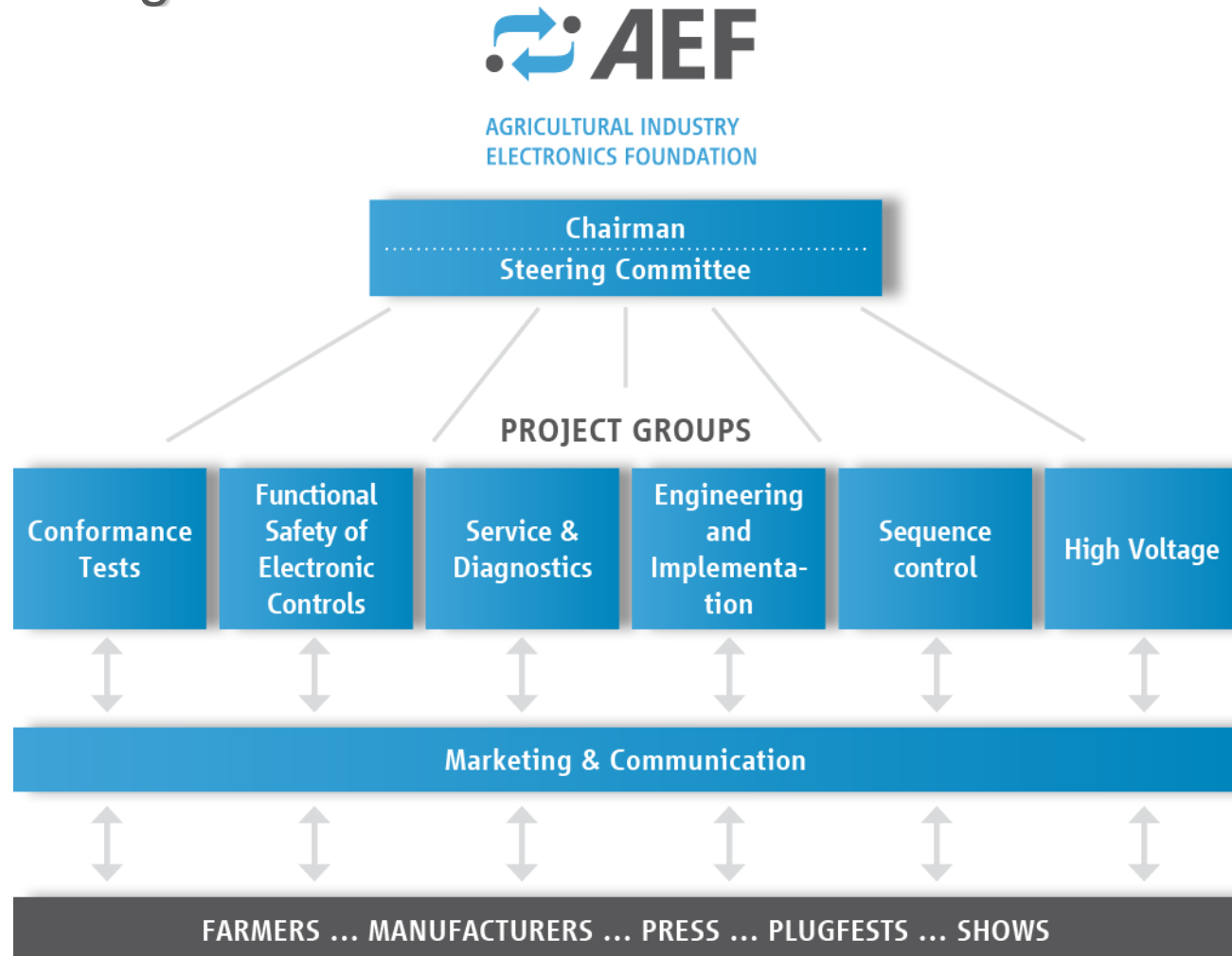


General Members: more than 100 Members

MEMBERS OF AEF
MANUFACTURERS OR INSTITUTIONS

- develop hard- and software
- carry out internal compatibility tests
- market ISOBUS products

AEF – the Organisation



AEF – the Organisation

AEF does no standardization work
but prepare technical concept and functionality



ISO committees do formal standardization



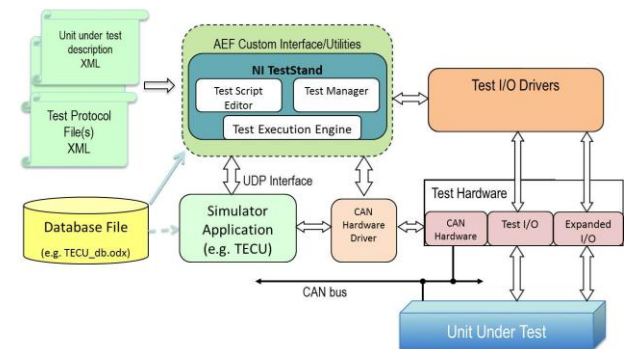
AEF takes care for full implementation of formal standards
according to industry and their business processes



Projectteam: Conformance Test ISOBUS

Automated Testtool for ISOBUS components
to certify compatibility according to ISO 11783 specification

Establish International Test and Certification Processes

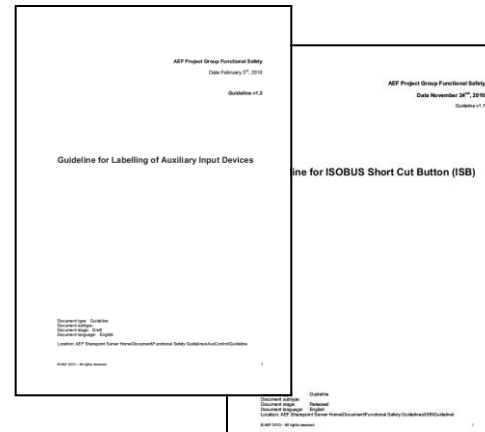




Projectteam: Functional Safety

Evaluation of safety requirements for common electronic systems in agricultural machinery e.g. ISOBUS

according to safety standards e.g. ISO 25119





Projectteam: Engineering & Implementation

- Technical experts for all other teams in AEF
- Guidelines for Implementation
- Common engineering processes e.g. 'Plugfests'



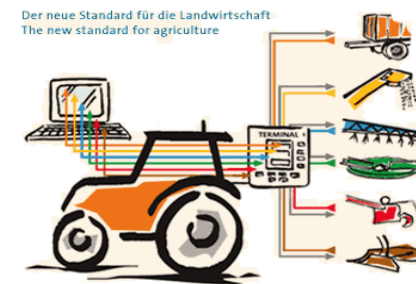
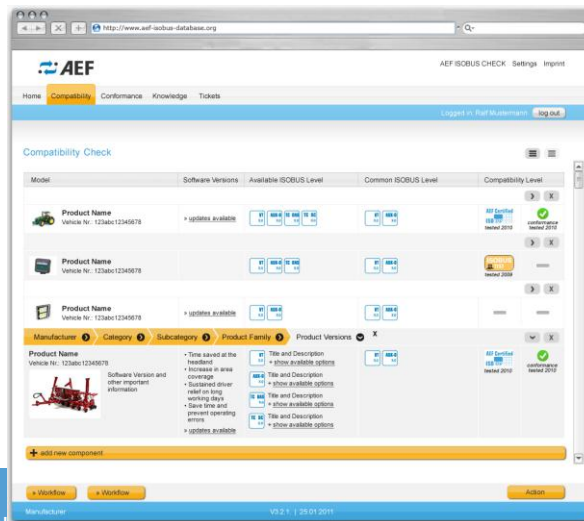


Projectteam: Service & Diagnostics

General information data base for ISOBUS Systems in agricultural machines of all manufacturers

Information transfer

Manufacturer ↔ Dealer / Service Center ↔ Customer





Projectteam: Communication & Marketing

Ag machinery manufacturers speak about ISOBUS

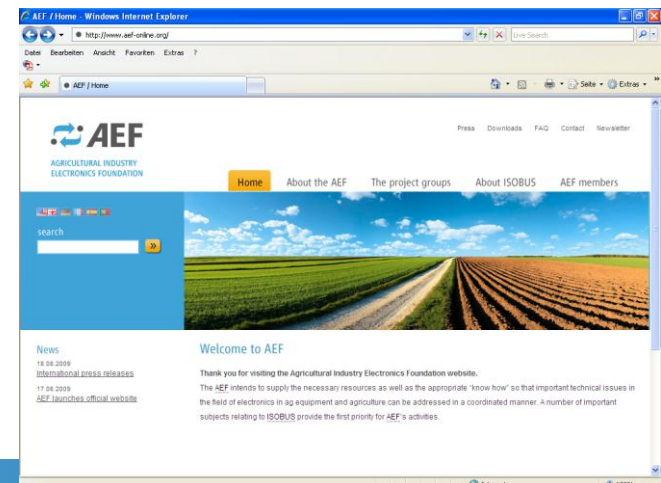
>> **One Voice to the Customer** <<



Voice of AEF



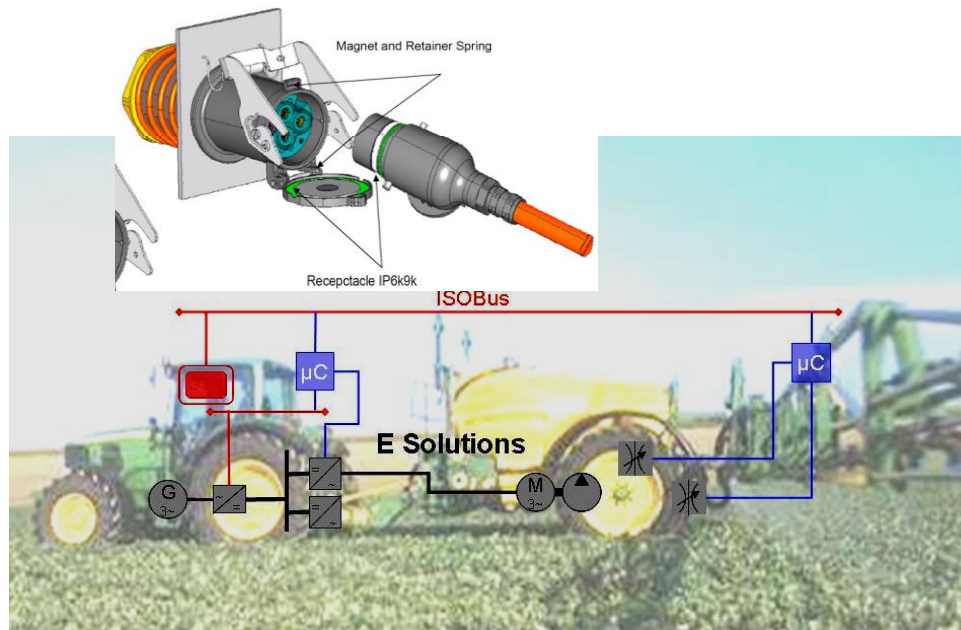
website:
www.aef-online.org





Projectteam: HighVoltage

Specification of connector and system layout for high voltage electric power interface between tractor and implement



AEF – Guidelines

Guidelines:

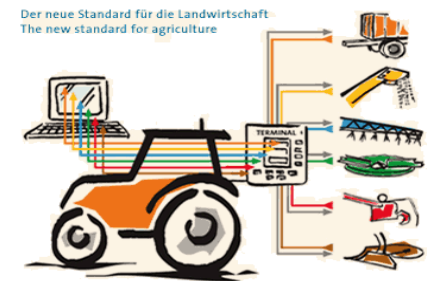
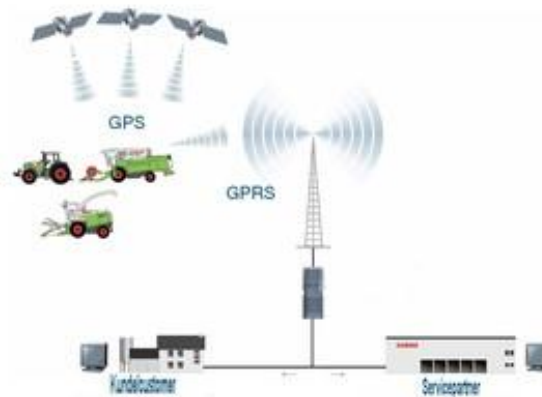
Guidelines for the agricultural machinery industry for the implementation of standards in electronic systems

Process:

- Decision: Guideline or standard change
- Coordination among all project groups AEF
- Coordination among all members of AEF
- Release by Steering Committee
- AEF publication server
- Communication with other committees

AEF – New Areas

Data Transfer Ag Machinery ↔ Farm Management Software
↔ Fleet Management Software
↔ Service Management Software
↔



Thank you very much for your attention

