Chair Darryl Matthews, Trimble, presiding

BACKGROUND: In April, the Ag Technology Leadership Group (ATLG) conducted a GAP analysis of AEF Projects that align with the ATLG’s areas of focus, noting anything that might require additional attention or have differing needs from a North American perspective. The results of that GAP analysis were presented to the AEF Steering Committee in June and were shared with the AEF Project Team Leaders. The AEF Project Team Leaders provided feedback to the GAP analysis. That feedback was presented to the ATLG at this meeting by Andrew Olliver of CNH who serves as AEF Marketing & Communications Team Leader.

AEF PROJECT TEAM LEADER RESPONSES PRESENTED BY ANDREW OLLIVER, CNH:
See attached PowerPoint presentation.

AG TECHNOLOGY LEADERSHIP GROUP RESPONSES: There was much discussion and Q&A during the AEF presentation, resulting in a better understanding of AEF’s activities and the detail behind their feedback. The ATLG then offered responses or additional questions, comments and considerations.

ACTION ITEMS: Below are the action items resulting from the meeting discussion:

1. **High speed machine to implement connectivity (= AEF High Speed ISOBUS)**
   - ATLG will offer protocol input to AEF
   - ATLG will reach out to AEM/AEF member companies for engagement by their staff with ethernet expertise
   - ATLG will explore potential of cross sector (construction) effort re: development and implementation of durable cable

2. **Vehicle to vehicle communications (= AEF wireless infield)**
   - For upcoming AEM FCC tour at Farm Progress
     - Johann Witt/CLAAS to develop FCC talking points
     - FCC tour member companies will be made aware and provided talking points
   - ATLG will arrange for future FCC meeting with AEF rep to specifically address
     - Use of 5.9 gigahertz in road transport safety spectrum to be used for on road/off road in-field ag machinery safety application
     - Ag power limitation – 1 watt
   - ATLG will help AEF to define which machinery communications may remain open and which need to be encrypted
   - ATLG will determine whether this might be an area for joint development with construction sector

3. **Automation/autonomous (= AEF ISOBUS automation)**
   - ATLG will provide legal review of Tractor Implement Management technology conformity letter with North American liability perspective
   - ATLG will track collaboration of AEM/CEMA/ASABE re: automation standards/regulations development, ensuring North American needs are met

4/5. **Sharing of machine data and Farm Information Data (= AEF FMIS)**
• ATLG will monitor ATLAS cloud to cloud communication standard development and ensure North American requirements are included
• ATLG will provide input into AEF/Ag Gateway MoU from North American manufacturer perspective

6. Broadband connectivity
   • Support continued AEM Rural Broadband advocacy efforts

7. Power (=AEF Medium/High Voltage)
   • Monitor AEF progress/activities

NEXT STEPS:

• Continue AEF collaboration. The group agreed that regular face-to-face updates such as the one provided by Andrew Olliver at this meeting are very valuable and should be conducted regularly.
• Consider conducting Webexes, etc., in those areas where more in-depth information exchange may be required
• Support and seek ways to facilitate AEF/AgGateway collaboration

Drafted by Anita Sennett
August 8, 2019