


Modelling and Simulation of Tractor-Implement Automation using OPC Unified Architecture for Next Generation ISOBUS

Appendix 1: The model

This document contains the OPC UA information model developed by the authors, to demonstrate suitability of OPC UA technology for tractor-implement communication in the protocols: ISOBUS Tractor ECU, ISOBUS Task Controller (including section control and variable rate), and ISOBUS GNSS receivers. The model was developed in order to support standardization efforts of future technologies in agricultural machinery. Future standards may be based on this study, but all details must be analysed carefully in order to provide stable standard for next decades.

Download the model here 

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