

4.4 | ISOBUS Requirements

COMMAND does not explicitly require the tractor to be fitted with an ISOBUS system to operate; however, we strongly recommend taking the opportunity to upgrade any tractor to be used with **COMMAND** to be ISOBUS capable as well, thereby future proofing for other future devices at the same time. ISOBUS / CANBUS harnessing may also be mandatory depending on choice of GNSS receiver.

ISOBUS / CANBUS GNSS Data

COMMAND may make use of the ISOBUS to read GNSS data of StarFire or NMEA 2000 message format, which will be present and readily available to the **COMMAND** ECU if both the ECU and the GNSS receiver are connected to the ISOBUS.

ISOBUS Auxiliary Valve Control

COMMAND may also make use of the tractor ISOBUS when performing control of the electrohydraulic valves. Messages are sent to a tractor hydraulic controller over the ISOBUS in some configurations. Usually, if the tractor's hydraulic controller is capable of control via external messages, the machine will already have ISOBUS harnessing and functionality.

ISOBUS Overview



ISOBUS is a standardised CANBUS communication protocol that enables communication between tractors, implements, and control systems. This system simplifies operations, reduces clutter, and improves efficiency by allowing operators to control multiple implements from a single interface.

A typical ISOBUS setup will often include an ISOBUS terminal display along with various different ISOBUS harnesses that set up the standardised harnessing and messaging framework on the machine. Other types of ISOBUS compatible devices can then be added for all kind of functionality including auto-steering, automated land levelling, automated planting/seeding/spreading/spraying and more.

Next Step

If all requirements in this section have been met, proceed to **Section 5 | ECU Installation & Mounting**.
