



Model: TDSU	Jun. 27, 2018
Serial #: All	
Product Bulletin # TDS-182	

## Top Drive PLC Communications Obsolescence

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### Issue

PLC communication modules (ASB modules) using Allen Bradley's Blue Hose (aka "Belden") have been discontinued by the manufacturer and are no longer available.

### Affected Equipment

Affected units are top drive systems using SLC 5/0x processor with Belden communication cable. Canrig began using fiber optic Ethernet instead of Belden in 2012 with top drive SN1094. Fiber optic was phased in from SN1094 in 2012 to SN1178 in 2013, with the exception of special orders. Top Drives sold with fiber optic communications are unaffected by this change.

### Recommendations

Operators may choose to upgrade or replace affected components to convert to Ethernet and avoid excessive downtime that may result from equipment failure and the lack replacement parts. Canrig recommends contacting RIGLINE 24/7™ or your District Representative to discuss specific needs and scenarios. A rig survey by a qualified Canrig technician may be required to determine the correct upgrade kits needed. In general, the following major steps will need to be performed:

1. Install PLC processor that supports Ethernet communication.
2. Convert IO racks to use communicate over Ethernet.
3. Install network hardware.
4. Replace Belden cable and accessories with CAT5 or fiber optic cable and accessories.
5. Install software to support new hardware and function test installation.

Contact RIGLINE 24/7™ Support for more information.