

DDE Supplement / Attachment

DDIdentifier ⁽¹⁰⁾	DDName
731	Component Description

Version: 1.0

In a DDOP (Device Description Object Pool) of an ISOBUS device there are different functionalities and technical components covered. The device element types defined in the Task Controller standard, namely Device, Function, Bin, Section, Unit, Connector Type, and Navigation Reference, are not sufficient for certain or more complex devices to uniquely describe all technical components to the Task Controller Server.

For instance, the different components within a transmission shaft assembly cannot be described uniquely to the TC Server without a Component Description DDI.

To ensure that the technical component of a device element is clearly defined, the Component Description DDI shall be added below the appropriate device element using the values defined below. The Component Description DDI will be split into **Component Enumeration (Byte 1 & 2, least significant)** and **Component Definition (Byte 3 & 4, most significant)**.

In case a component can be associated with multiple technical applications, this shall be represented within the DDOP structure by defining separate Device Element Types (DET) of type *Function*, where each function has the appropriate DDI #731 attached.

The Component Description DDI provides an additional level of technical differentiation next to DDI #350 Function or Operation Technique. While DDI #350 describes the functionality or operational technique performed by a device element, DDI #731 describes the underlying technical component, assembly, technology, or hardware part.

Component	Enumeration value (Byte 1+2, LSB)	Sub Type / Definition values (Byte 3 + 4, MSB)
Unknown	0	Set to FF
Transmission Shaft	1	0 = Unknown (default) 1 = General 2 = Rotor Control Board 3 = Stator Control Board 4 = Joint Cross 5 to 57343 = Reserved for future assignment
Proprietary	57344 to 65534	Manufacturer specific definition

Component Enumeration values 2 to 57343 are reserved for future ISO assignment.

Component Definition values 57344 to 65534 are reserved for manufacturer proprietary assignment.

Component Enumeration value 65535 is reserved.

Component Definition value 65535 is reserved.



ISO 11783-11
Mobile Data Element Dictionary
DDE Request Form



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Examples:

(1) Transmission Shaft Joint Cross: 0x00040001 (decimal 262145)

- Enumeration value: 1
- Sub Type / Definition value: 4