ISO 11783-11
Mobile Data Element Dictionary

DDE Request Form

DDE Supplement / Attachment

DDIdentifier(10)	DDEName
350	Function or Operation Technique

Version: 8.0

In a DDOP (Device Description Object Pool) of an ISOBUS device there are different functionalities covered. The device element types in the Task Controller standard which are Device, Function, Bin, Section, Unit, Connector Type, and Navigation Reference do not last out for certain or more complex devices to describe all information in a unique way to the Task Controller Server.

For instance the different header types of a harvester device and also the additional functionalities such as the separator or the auger cannot be described uniquely to the TC Server without a Function or Operation Technique DDI. Another example is the operation technique used by a baler device to produce a round or a square bale. Per device class definition “Forage” and the Actual Cultural practice DDI “baling” it is not clear whether a round or square bale is produced.
To ensure that for a device element the function or operation technique is clearly defined the Function or Operation Technique DDI shall be added below the appropriate device element using the values defined below.
The Function or Operation Technique DDI will be split into Function or Operation Technique enumeration (Byte 1 & 2) least significant and the Function or Operation Technique definition (Byte 3 & 4) most significant. In case a Function or Operation Technique can perform multiple applications such as a sensor that is able to measure Temperature and Humidity the sensor shall handle it within the DDOP structure where it has two DET of type functions defined and each function has the appropriate DDI #350 attached.

Function or Operation Technique	Enumeration value (Byte 1+2)	Sub Type values (Byte 3 + 4)
Unknown	0	Set to FF
Header	1	0 = Unknown (default) 1 = Row-independent 2 = Row-crop 3 = Crop-pick-up 4 to 57343 = Reserved for future assignment
Auger	2	0 = Unknown (default) 1 to 57343= Reserved for future assignment
Separator	3	0 = Unknown (default) 1 to 57343= Reserved for future assignment
Sensor	4	0 = Unknown (default) 1 = Yield

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		2 = Moisture 3 = Humidity 4 = Temperature 5 = Wind 6 = Height 7 = Load 8 to 57343= Reserved for future assignment
Tillage	5	0 = Unknown (default) 1 = Disk 2 = Ripper 3 = Closing Disk 4 = Shank 5 = Opener 6 = Basket 7 = Coulter 8 = Harrow 9 = Roller 10-57343= Reserved for future assignment
Baling (Pressing)	6	0 = Unknown 1 = Square Bale; Size equals length 2 = Round Bale; Size equals diameter 3 = Pellets 4-57343= Reserved for future assignment
Proprietary	57344 to 65534	Manufacture specific definition

Function Type values 7 to 57343 are reserved for future ISO assignment.
Function Type values 57344 to 65534 are reserved for manufacturer proprietary assignment.
Function Type 65535 is reserved.

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Change History Notes:

Version 4 changes (20171004):
- In version 3 there was a mistake that Tillage type 5 was replaced by Baling instead of adding Baling as 6 behind Tillage 5.

Version 5 changes (20171004)
- Fixed some typos

Version 6 changes (20180409)
- Added a proprietary function to be used for manufacture specific applications

Version 7 changes (20190325)
- Added 3 = Pellets to Baling operation

Version 8 changes (20190327)
- Added (Pressing) behind Baling