



ADAPT Terminology

In 2015, AgGateway released the ADAPT Framework, a significant step forward for interoperability in field operations data. As technologies and needs have changed, AgGateway released the ADAPT Standard in 2022, providing a true standard for exchange of agricultural field operations data.

With AgGateway's ADAPT being adopted worldwide, there has arisen the need to clarify the terminology and definitions of the different parts of ADAPT as well as other products and services with which it interacts. Below is a list of terms and definitions that often come up when discussing "ADAPT."

ADAPT

A set of AgGateway resources that enable interoperability of field operations data

ADAPT Framework

An AgGateway open-source project written in Microsoft C# that enables transformation of data from/to various field operations data formats

ADAPT Plugin

A code component that "plugs in" to the ADAPT framework to read and/or write one field operations data format

ISOXML Plugin

An ADAPT plugin that reads/writes ISOXML

ADAPT Data Model (ADM)

The data model at the center of the ADAPT Framework, to which plugins read data in and from which plugins write data

ADM Plugin

An ADAPT plugin that reads data from a serialized expression of the ADM and serializes an ADM instance to a file or stream

ADAPT Standard

An AgGateway standard data model for field operations data expressed as a JSON Schema file

connectCenter

The data modeling tool AgGateway uses to develop and maintain the ADAPT Standard

ConnectSpec

A standard that AgGateway uses as the basis for message profiles to support various agriculture use cases

AgIN (Agricultural Interoperability Network)

Infrastructure and tooling developed and maintained by AEF to enable sharing agricultural data among OEMs, data hubs, FMIS, and service solutions

How does ADAPT Standard relate to AgIN?

AEF's AgIN is designed to support use case-based data exchange among participants in the AgIN network. AgGateway's ADAPT Standard is a field operations data exchange standard supported by robust tooling that can be used to specify well defined data formats. This means ADAPT Standard can be used to specify data exchanged within AgIN use cases, allowing the two efforts to perfectly complement one another.

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