

May 2018

## What's New in ACES 4.0

### Introduction

Welcome to version 4.0 of the Aftermarket Catalog Exchange Standard (ACES). This version of the Data Delivery Specification and XML Schema is designed and tested to meet the aftermarket industry's evolving requirements for the exchange of application catalog information.

### Summary of the updates for ACES 4.0:

Updated design for ACES Technology Suite Logos



### Documentation Updates

- Updated VCdb Data Rules to allow the entry of optional attributes for Powersports vehicles
  - New VCdb Vehicle Available Data Attributes table
  - Footnote 3 added regarding optional VCdb Attributes for Powersports
- Updated ACES Documentation Version 4.0
  - 2.7 VCdb Table Field Definitions
    - Added – Table: Class
    - Added – Table: EngineBase2
    - Added – Table: EngineBlock
    - Added – Table: EngineBoreStroke
    - Added – Table: EngineConfig2
    - Added – Table: EquipmentBase
    - Added – Table: Equipment
    - Added – Table: EquipmentModel
    - Added – Table: EquipmentToEngineConfig
    - Added – Table: VehicleToBodyConfig
    - Added – Table: VehicleToClass

- 5.12 XML Elements
  - Added – EngineBlock
  - Added – EngineBoreStroke
  - Added – EquipmentBase
  - Added – EquipmentModel
- Appendix A, ACES Element Data Tags
  - Vehicle Identification Tags
    - Added: EquipmentBase, Mfr, EquipmentModel and VehicleType
  - Vehicle Attribute Tags
    - Added: EngineBlock and EngineBoreStroke
- Updated the sample xml to include new features
- Updated the VCdb ER diagrams
  - New Vehicle Group tables
    - VehicleToBodyConfig
    - VehicleToClass
  - New Equipment Group tables
    - Equipment
    - EquipmentBase
    - EquipmentModel
    - EquipmentToEngineConfig
  - New Class Group Tables
    - Class
  - New EngineNew Group tables
    - EngineBlock
    - EngineBoreStroke
    - EngineBase2
    - EngineConfig2

## Schema Updates

New table additions only / No changes to existing tables

- Adding tables for vehicle weight class
  - Class
  - VehicleToClass
- Adding new reference data table
  - VehicleToBodyConfig
- Adding tables for non-vehicle applications
  - Equipment
  - EquipmentBase
  - EquipmentModel
  - EquipmentToEngineConfig

- Adding tables for Bore and Stroke separation from EngineBase
  - EngineBlock
  - EngineBoreStroke
  - EngineBase2
  - EngineConfig2

### **XSD Updates**

New elements added are all optional allowing ACES 4.0 to be backwards compatible

- Restricting the Submission Type in the Header Tag to valid values
  - FULL
  - UPDATE
  - TEST
- Adding optional elements to allow Equipment application records
  - EquipmentBase
  - Mfr
  - EquipmentModel
  - VehicleType
- Adding optional elements to catalog Engine Block and Bore and Stroke as separate entries
  - EngineBlock
  - EngineBoreStroke