

Vehicle Identification Number

Status: Approved

Description

A VIN, or Vehicle Identification Number, is a unique 17-character code that identifies a specific motor vehicle. It's like a fingerprint for your car, providing details about its make, model, year, and more. The VIN can be used to track registrations, recalls, warranty claims, thefts, and insurance coverage.

Here's a breakdown of what a VIN reveals:

World Manufacturer Identifier (WMI): The first three characters indicate the country of origin and the manufacturer. For example, vehicles made in the US often start with 1, 4, or 5, while Canada is 2 and Mexico is 3.

Vehicle Descriptor Section: Characters 4 through 8 describe the vehicle's characteristics, such as the model, body style, restraint system, engine, and transmission.

Vehicle Identifier Section: Characters 10 through 17 provide details about the model year, the manufacturing plant, and the vehicle's production number.

Check Digit: The ninth character is a security code, a check digit, generated by the manufacturer to verify the VIN's authenticity.

Business Rules

1. 17-character VIN, which does not include the letters I (i), O (o), and Q (q)
2. Equipment resource must have a VIN or serial number for exchange
3. Must be a unique VIN for a valid resource
4. Reference link for the standard to see additional validation for VIN:
<https://www.ecfr.gov/cgi-bin/text-idx?SID=18b4d0415b77325b50963d4312e0a382&mc=true&node=pt49.6.565&rgn=div5>

Identity & Classification

Label	Vehicle Identification Number
Data Element Type	String Data Element
Applies To	Equipment
Required for Add	Yes
Approval Status	Approved

Format Specification

Data Entry	
Format	X(17)
Length	17
Datatype Notes	Does not include the letters I (i), O (o), and Q (q)
Physical Data Type	STRING
Example	1HGCM82633A123456

Data Exchange	
Data Exchange Name	VIN
Format	X(17)
Length	17
Datatype Notes	Does not include the letters I (i), O (o), and Q (q)
Physical Data Type	ALPHANUMERIC
Example	1HGCM82633A123456

Additional Rules

Case Sensitivity	Uppercase only
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Source identifier: be77c00b-4041-4158-9ffb-d2609ab643ab

Wildland Fire Data Standards (edg / wfschema / wfterm namespaces)