



From : NADA Used Car Guide Development Staff
To : Potential Developers integrating NADA Used Car Guide valuation information
Subject : Developers' Tools Overview

NADA Used Car Guide offers the following developer tools for outside programmers to use in integrating the NADA Used Car Guide valuation process into their own application for internal use or resale. For IBM mainframe applications, a Valu Guide Toolbox is also available; please see your account executive for details and specifications on this product.

- NADA Guide 2000 Data Files (current release: 5.0)
- NADA Vin Prefix Solution (current release: 5.0)
- NADA .NET API (current release: 1.0)
- NADA Web Services (Version 1.0, replacing NADA XML Services)

- Guide 2000 Data Files

The raw data that is used in our PC applications' data is distributed to the developer, who is responsible for creating a database out of the data, as well as for writing the valuation code. The data is provided as flat-file ASCII text databases, and provides the NADA Used Car Guide vehicle definitions and values, accessory definitions and values, and mileage adjustments.

NADA Used Car Guide provides file layouts and data descriptions, in addition to the actual source data, which will allow the end developer to devise a "data model" fitting their specific application requirements. For instance, developers for handheld devices, with limited storage and slow processors, would need to optimize the data for storage space and speed of processing. Web developers, with huge data storage capability and multi-processor servers, would instead optimize the data for retrieval and display to a web page.

- NADA VIN Prefix Solution

This product adds VIN processing data files to the data from the Guide 2000 Data Files product. Data is provided to allow you to look up the internal NADA Used Car Guide vehicle key based on the first ten digits of a vehicle's VIN, called the 'prefix.' VIN-indicated accessory data is provided where available.

The VIN Prefix Solution is available with data from the NADA Used Car Guide/Older Used Car Guide, or the Commercial Truck Guide. Motorcycle data is also available, but is currently in a different file format than that used for the car and truck data.

- NADA .NET API

The NADA .NET API is a set of .NET assemblies designed for Internet and 'standard' client-server development. The data is imported into the user's existing SQL Server database system (SQL Server 2000 or higher required) and accessed through the NADA Used Car Guide assemblies. This tool provides a very easy to integrate API which allows for rapid application development, and provides for client-based or server-side accessory and mileage processing. VIN processing is provided just as in the NADA e-Valuator API.

The NADA .NET API is provided with data from both the NADA Official Used Car Guide and NADA Official Older Used Car Guide, and (via a separate database) the NADA Official Commercial Truck Guide data.

- **NADA Web Services**

The newest developer tool from NADA Used Car Guide is the NADA Web Services. This is a SOAP-based web service which runs on the NADA Used Car Guide web server, providing developers access to the NADA Used Car Guide vehicle definition and valuation systems. This allows the developer to tie into the NADA Online valuation system without having to provide the data processing and monthly database updating. It also allows for the use of non-Windows interfaces, as all of the Windows-required code runs on the NADA Used Car Guide side of the interface.

The Web Services currently provide access to the online Used Car/Older Used Car Guide and Commercial Truck Guide data sets.

Summary

Developer Tool	Windows-based	Target application type	Interface	Data provided	Database
.NET API	Yes	Intranet, Internet, or other client-server	Windows .NET (Framework 2.0) assemblies	UCG CTG	SQL Server
Web Services		Intranet, Internet, client-server; data via Internet connection to NADA.COM	SOAP interface to NADA web server	UCG CTG	SQL Server residing on NADA.COM
Data Files		Any	Any	UCG CTG	Data provided via ASCII text
VIN Prefix Solution		Any	Any	UCG CTG Motorcycles	Data provided via ASCII text

Key to “Data provided” column:

- UCG: Data for the NADA Official Used Car Guide and NADA Official Older Used Car Guide
- CTG: Data for the NADA Official Commercial Truck Guide
- Motorcycles: Motorcycle and ATV data from the NADA Motorcycle / Snowmobile / ATV / Personal Watercraft Appraisal Guide

NADA Used Car Guide Developers' Tools

Overview

NADA Tool:	Guide 2000 Data Files	VIN Prefix Solution	.NET API	Web Services
Application Types				
Desktop	X	X		
Client/Server	X	X	X	X
Web-based	X	X	X	X
Mainframe / other	X	X		X
Development Platforms				
Win32	X	X	X	X
Unix/Linux	X	X		X
Other	X	X		X
API included?			X	X
VIN Processing?¹		X	X	X
Batch Processing?²	X	X	X	
Data sets included:				
NADA Official Used Car Guide 7 model years ³ of domestic and import cars and light-duty trucks	X	X	X	X
NADA Official Older Used Car Guide Next 12 model years ³ of domestic and import cars and light-duty trucks	X	X	X	X
NADA/ATD Official Commercial Truck Guide 10 model years of medium- and heavy-duty trucks	X	X	X	X
Motorcycle & ATV data⁴ from the NADA Motorcycle / ATV / Snowmobile / Personal Watercraft Appraisal Guide		X		

Notes:

1 – Our current developer tools convert the first 10 positions of a VIN (the VIN 'prefix') into the internal NADA Used Car Guide vehicle identifier (make, year, series and bodystyle.) VIN-indicated accessories (engine, 4WD/AWD, Single/Dual Rear Axle) are typically provided when the VIN clearly indicates the presence of these options.

2 – Batch processing code is not provided; however, the developer can provide a method of serial valuation calls to handle this requirement. Batch processing (for large batches) is not allowed for the Web Service due to timeout concerns.

3 – As of January 2009 the NADA Used Car Guide has vehicles from model years 2002 - 2009. The NADA Older Used Car Guide has data for vehicles from model years 1990 - 2001.

4 – The data for motorcycles is currently in a different layout than is used for the NADA Used Car Guide, Older Used Car Guide and Commercial Truck Guide data.

NADA Used Car Guide Developers' Tools checklist:

Note: Except where noted, the VIN Prefix Solution can be used for any of the options listed below in addition to the listed solution. Furthermore, if an Internet connection is present and motorcycle data isn't needed, the Web Services can be used.

*: If Internet connection will be present, may also consider Web Services

