

# Free!

## Test Case Authoring and Management Tool for HL7 v2

- ✓ Web-application tools
- ✓ Single source-of-truth
- ✓ Targeted Test Cases
- ✓ Creation of Data Sets and Example Messages

### Faster, more efficient method for creating and maintaining Test Cases

#### Issues and Need

- Test Cases that provide real-world scenarios and associated Test Data
- Tool that enables creating Test Cases by using XML profiles produced in machine-computable interface specification

#### NIST Test Case Authoring and Management Tool (TCAMT)

<https://tcamt.nist.gov/>

#### For more details contact:

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#### Description of NIST Test Case Authoring and Management Tool

- Creates both narrative text and machine-computable Test Cases
- Enables domain experts to create targeted Test Cases with example messages
- Leverages the XML profiles created in the NIST Implementation Guide Authoring and Management Tool (IGAMT)
- Can be used to create adaptations of Test Cases created for the national standard to be used by local jurisdictions

#### Advantages

- Targeted Test Cases expand the scope of testing and support implementers in better understanding and use of the interface specification
- Faster, more efficient creation and maintenance of Test Cases can **lower associated costs**

**The NIST TCAMT for HL7 v2 is used for ONC HIT Certification Program Test Cases, for HIMSS/CNI/CDC certification Test Cases, and (future) for IIS and ACK Test Cases**

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# NIST Test Case Authoring and Management Tool

1 Select Test Plans from the Menu Bar.

2 Select and view a current Test Plan and Test Step.

3 Modify / enter information for Test Step, such as the Test Data.

The screenshot displays the NIST Test Case Authoring and Management Tool interface. The top navigation bar includes Home, Test Plans, Profiles, Documentation, Glossary, Configuration, Download Center, and Issues. The main content area is divided into several sections:

- Test Plan Navigation Tree:** Shows a tree view with 'HIMSS Immunization Integration Program CDC Test Plan v6.1' selected.
- Test Plan Details:** Displays 'Test Plan: HIMSS Immunization Integration Program CDC Test Plan v6.1' with a 'TEST STORY' tab selected.
- Test Step Configuration:** Shows 'Test Step: Transmit the immunization report to the Immunization Registry' with a 'TEST DATA' tab selected.
- Segments List:** A table listing segments with columns for Path, Line, Usage, and Action.

Path	Line	Usage	Action
MSH(1)	MSH ^~& Test EHR Application X68  NIST Test Iz Reg 20120701082240-0500 VXU^V04^VXU_V04 NIST-IZ-	R	SELECT
PI(1)	PI 1 123456^MYEHR^MR-987633^MY IS^SR  Vazquez^Juana^Mariana^Acosta^M^aria^Merida^M 201211011105 F 2106-3^White^CDCREC 4345 Standish	R	SELECT
PD(1)	PD1      02^Reminder/Recall - any method^HL70215 N   A 20130701 20130701	RE	SELECT
NK(1)	NK1 1 Vazquez^Juanna^Merida^Merida^L GRP^Grandparent^HL70063 4345 Standish Way^Stamford^CT^06901^L^PRN^PH^M^1^203^5551212~^NET^M^jmg@gmail.com	RE	SELECT
ORDER(1) ORC(1)	ORC RE 197027^DCS      Martinez^J ^Smith^F^      OIP^Oceanview Pediatrics^HL70362	RE-R	SELECT
ORDER(1) EXA(1)	RXA 0 1 20121101 20121101 08^hepatitis B vaccine, pediatric or pediatric/adolescent dose ^CVX^58160 0820-11^ENGERIX-B^NDC 0.5ml^UJUM 08^Historical information -	RE-R	SELECT