

- ✓ Web-application tool
- ✓ Automatically generates HL7 v2 Test **Tools based on your** specification

Faster, more efficient method for building Conformance Testing Tools

Issues and Need

- Test Tools that are easier, faster, less expensive to create and maintain
- Tool builder that enables "automatic" production of Test Tools from machine-computable XML profiles and XML Test Cases

Description of NIST General Validation Tool (GVT)

- Supports both Context-free testing and Context-based testing
- Enables domain experts to create and maintain their own Test Tools
- Leverages the XML profiles created in the NIST Implementation Guide Authoring and Management Tool (IGAMT) and the XML Test Cases created in the NIST Test Case Authoring and Management Tool (TCAMT)
- Can be used to create customized Test Tools to be used by local jurisdictions

NIST General Validation Tool (GVT) https://hl7v2.gvt.nist.gov/

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Advantages

- Conformance testing tools can be created faster and available for use sooner
- Customized test tools for on-boarding
- Cost is reduced for development of conformance testing tools

The NIST GVT for HL7 v2 is being used to create Test Tools based on Implementation Guides specifiers create in IGAMT and Test Cases created in TCAMT





NIST General-purpose Validation Tool -HL7 v2 Message Testing

