These UML models (and a few more that aren't shown) drive a large part of the process. They do the following:

• Define an auto-generated database schema for capturing v2+ data structures, textual elements, figures, etc..

• Specify an auto-generated API and web app UI that will be the basis for both editing and publishing v2+.
Generate v2+ Tool

- UML
- Generate
- Database
- Basic Web App (not suitably user friendly)
- Command Line Console
- Basic API (get, set, count, etc.)
Extract from MS Word

- Basic Web App (not suitably user friendly)
- Command Line Console
- Basic API (get, set, count, etc.)
- Extensive Scripts

Database

v2+ Tool

Observation

Patient Care

Control

Extensive Scripts (use)
Add Publication Module

- Basic Web App (not suitably user friendly)
- Command Line Console
- Basic API (get, set, count, etc.)
- HTML Publisher Module
- Publish to HL7 GitHub
- Fetch

Source Of Truth Database

v2+ Tool

HTML Publisher Module

- HL7 Terminology 2.1.0 - Publication
- Code Systems
- Value Sets
- Concept Maps
- Naming Systems
- Documentation
- Downloads
Add Serialization Modules As Needed

Basic Web App (not suitably user friendly)

Source Of Truth Database

Command Line Console

Basic API (get, set, count, etc.)

HTML Publisher Module

v2+ Tool

IGAMT Serializer
FHIR-like Serializer
JSON Serializer

GitHub

NIST Implementation Guide Authoring and Management Tool

Welcome to HL7 Implementation Guide Authoring

Note to Users
The NIST Implementation Guide Authoring and Management Tool (IGAMT) is part of the NIST

Have a question?
A Google Group NIST-IGAMT has been established for discussion/questions about the

U.S. Department of Commerce
Add v2+ Editor Interface

v2+ Tool

Source Of Truth Database

Command Line Console

Basic API (get, set, count, etc.)

Basic Web App (not suitably user friendly)

HTML Publisher Module

IGAMT Serializer

FHIR-like Serializer

JSON Serializer

Editor UI:
• Text Editor
• Message Editor
• Segment Editor
• Construct / Arrange Content
• Manage Links
• etc.
Add v2+ FHIR ITS Module (maybe)

v2+ Tool

Source Of Truth Database

Basic Web App (not suitably user friendly)

Command Line Console

Basic API (get, set, count, etc.)

HTML Publisher Module

IGAMT Serializer

FHIR-like Serializer

JSON Serializer

Editor UI:
- Text Editor
- Message Editor
- Segment Editor
- Construct / Arrange Content
- Manage Links
- etc.

StructureDefinitions for every v2+ Message Type
- ACK
- ADT_A01
- ...
- VXU_V04

FHIR ITS Module
Everything Together

**Structure Definitions for every v2+ Message Type**
- ACK
- ADT_A01
- ...
- VXU_V04

**Basic Web App** (not suitably user friendly)
**Command Line Console**
**Basic API** (get, set, count, etc.)
**HTML Publisher Module**
**v2+ Tool**
- IGAMT Serializer
- FHIR-like Serializer
- JSON Serializer

**Editor UI:**
- Text Editor
- Message Editor
- Segment Editor
- Construct / Arrange Content
- Manage Links
- etc.

**Source Of Truth Database**
**v2+ Tool**

**IGAMT JSON Serializer**

**GitHub**

**HL7 Terminology**

**FHIR ITS Module**

**Serializations**

**to HL7 Github**