This poster represents CDISC SDTM 3.1.2. Other CDISC models in SAS Clinical Standards Toolkit 1.5 include ADaM 2.1, CRT-DDS 1.0, CDM 1.3.0, CDM 1.3.1, SDTM 3.1.1, SDTM 3.1.3, and SEND 3.0.

**Framework Macros**
SAS macros specific to managing framework and standard metadata. Used to initiate new standards and contains cross-standard validation macros.

**Framework Metadata**
Contains metadata specific to the management of cross-standard metadata.

**Framework Reference**
Customer supplied SAS Formats

**Standard Reference**
SASReferences
The “glue” that holds all of this together. The SASReferences data set supplies information and metadata. This information can be user supplied or derived from standard metadata.

**Controlled Terminology/Dictionaries**
- Comprised of Controlled Terminology as supplied by National Cancer Institute. Provided and implemented as a unique standard.
- MedDRA customer supplied and not provided.
- Any customer supplied controlled terminology or coding dictionaries.

**Standard Metadata**
Contains information about the standard. This includes table, column and validation metadata. The “gold” standard used to verify cross-study metadata within a standard. Tables include reference tables, reference_columns, validation_master, etc.

**Standard Macros**
Contains macros designed to handle standard specific implementation across one or more studies.

**S ASReferences**
The “glue” that holds all of this together. The SASReferences data set supplies information and metadata. This information can be user supplied or derived from standard metadata.

**Customer supplied SAS Formats**

**Study Data**
Comprised of SDTM 3.1.2 domains containing study data.

**Study Driver Programs**
SAS supplied programs designed to submit processes, run validations, and create output.

**Study Metadata**
Source_tables.sas7bdat
Source_columns.sas7bdat
Validation_control.sas7bdat

Once SAS Clinical Standards Toolkit has been setup by the customer, in this case SDTM, they have the choices of running SDTM validations and DEFINE.xml creation against their study data.

This is accomplished by submitting simple “driver” programs supplied with the product or as jobs with SAS Clinical Data Integration.