Contract Name: Export current HL7 Vocabulary Content into UMLS RRF tables

Summary:
Transform the current HL7 Version 2 and Version 3 Vocabulary 'tables' into NLM Rich Release Format (RRF) for delivery to the NLM.

The contractor will take the current HL7 Version 3 Vocabulary tables as they exist on the HL7 website at the point in time that the contract begins and transform these tables into their Rich Release Format equivalent. These are the tables beginning with "VCS". In addition, the contractor will take the current set of HL7 Version 2.5 Vocabulary tables from "Frank Oemig's database" and perform the same transformation to RRF.

The contractor will work with the NLM to arrive at a mechanism that allows each individual table to be differentiated in such a way that it doesn't appear as 200+ additional code systems on the NLM side.

This transformation in this phase will not address:
1) The binding between the Version 3 Vocabulary tables and the other RIM structures - The HL7 Version 3 vocabulary domains and value sets will not be addressed in this task.
2) Tables external to HL7 - Only the content directly maintained by HL7 will be delivered in this task. The contractor will provide Version 3 tables that HL7 has been maintaining images us such as the NUCC Provider Codes, but will not provide tables such as LOINC or ICD-9.
3) Incremental and ongoing updates – This task will provide a RRF snapshot of the HL7 tables as they exist today. It does not address how these tables will be kept current in future revisions.

Task Deliverables:
1) A set of RRF tables that represents the content of the HL7 Version 3 Vocabulary tables
2) A set of RRF tables that represents the content of the HL7 Version 2.5 tables
3) A report on the entire export process. The report will include:
   a. A description of the transformation process itself that allows the reader to determine where each HL7 vocabulary element appears in the corresponding RRF.
   b. A description of tools and queries and software settings used.
   c. A step by step process description to allow someone to replicate the entire process.
   d. Suggested enhancements to the RRF.

In addition contractor will participate in weekly NLM Vocab Conference call and report on the progress of the work.

Required Skills:
Expert knowledge of HL7 Version 2 and Version 3 vocabulary tables. Knowledge of the UMLS Rich Release Format (RRF) tables. Project manager will provide the most recent copies of the RRF documentation to interested parties upon request. Knowledge of SQL and Microsoft Access databases. Knowledge of additional scripting and/or transformation languages as required.

Estimated start: December 13, 2004
Estimated hours: 100
Expected duration: 1 month

Tools, queries, programs, transforms, models and methods used will be explicitly documented. Intellectual property will enter the public domain under the ownership of HL7.

Payment will be dependent on approval of the deliverable and payment by NLM to HL7.