FHA FHIM/S&I Framework Integration Contract

Task Assignments

Task 1

Integrate the Federal Health Information Model (FHIM) (and related terminology models/value sets) with the Model Driven Health Tools from OHT and develop as complete a prototype as possible that demonstrates the capabilities of this integration and produces a NIEM compliant (as compliant as possible) platform specific model and a CDA platform specific model.

Resources:

Lead - Ioana Singureanu (75 hours); support from Serafina Versaggi (50 hours); Ioana will need support in the terminology/value set area from Mansi Malvankar Nabar (45 hours) and Karen Steward (200 hours); also Ioana will need some support from Sean Muir (at least 5 hours/wk) who is already working full-time on the MDHT project under a VA contract.

Deliverables/Artifacts Produced

a) FHIM\_Model\_Driven\_Architecture\_Prototype\_v.1.4

b) MDHT Example CDA Project\_developer (implementation guide)

c) MDHT Example NIEM Project (implementation guide)

d) MDHT\_FHIM Generated Model Schemas

e) FHIM Terminology Value Set Binding Whitepaper\_20110427\_draft2

f) FHIM Terminology bindings 20110427 (supporting spreadsheet)

Task 2

Develop a methodology to map the FHIM (and related terminology models/value sets) to the use cases/business models in the S&I Framework and to the HL7 EHR-S Functional Model to ensure full traceability of the information model to business requirements.  We are currently starting to map the FHIM to the HL7 EHR-S Functional Model.

Resources:

Lead - John McKim (180 hours); John may need a small amount of support from Karen Steward (48 hours) in the terminology/value set area.

Deliverables/Artifacts Produced

a) FHIM\_S&I\_Whitepaper\_4\_6\_2010V1

b) FHIM\_HL7\_Mapping\_Whitepaper\_4\_7\_2010\_V3

Task 3

Update/revise the NIEM process to incorporate the FHIM (and related terminology models/value sets) and make it a more model driven process.

Resources:

Lead - John McKim (180 hours); support from Monica Morris (360 hours).

Deliverable/Artifact Produced

FHIM\_NIEM\_Whitepaper\_4\_7\_2011V5

Task 4

Participate in developing an S&I Framework repository process for IM Project artifacts (e.g., the FHIM and related terminology models/value sets) and, if time permits, move the IM Project artifacts into the repository.

Resources:

Lead - Serafina Versaggi (40 hours); I don't think Serafina will need any additional support for this activity, but Steve will support her as needed.

Deliverable/Artifact Produced

FHIM\_Requirements\_For S&I Repository\_v.1.2

Task 5

The FHA modeling work is limited to Federal partners, so we will need to open the modeling process up to everyone.  Develop and begin implementing a proposed plan that supports open participation in the development of the FHIM.

Resources:

Lead - Mary Ann Juurlink (180 hours); I don't think Mary Ann will need any additional support for this activity, but Steve will support her as needed.

Deliverables/Artifacts Produced

Open Development of FHIM v1.1 Draft 20110429

Open Development of FHIM (supporting spreadsheet)