IHE Work Item Proposal (Short)

# Proposed Work Item: Publish Final Text Technical Framework in html

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Date: April 2, 2020

Version: 1

Domain: ITI

# The Problem

Given that the current volume size is approaching established size that presents problems, we need a solution. This work item proposes that we investigate how to publish and manage the technical framework in html.

# Key Use Case

Final Text Technical Framework, all four volumes

Preparatory for integration into Final Text Technical Framework profiles that are published using the HL7 IG Publisher which produces HTML

# Standards & Systems

N/A

# Discussion

Notes from November 2020 meeting

* Can we change to publishing the volumes in XHTML on a web
* Would be aligned with the output of IG Publisher
* How do we Edit?
  + Doc stays as the formal source with export to xthml
    - Markdown?
    - Edit the xhtml?
    - OpenDoc (like DICOM uses)
    - other sphinx, mkdocs, docusaurus
      * manages the relationship between multiple doc and the html output
  + How do change the CP process?
  + Can we reliably make the export
    - Using PanDoc?
      * need the output to be as clean of style as possible so that CSS can manage style
  + Manage in GitHub?
  + Initially just the formal text volumes, not supplements or whitepapers
  + Note that github has automatic publication of a repository of type .io
* research
  + Prototype based on a supplement
    - Luke 2-second effort with pandoc was too messy, would require specific use of pandoc (switches) and automation, and cleanup of things we don't need (like table of content) etc
  + Ask Clune about DICOM experience
  + Volume 1 -- break down to each profile as independent addressable page
  + Volume 2 -- break down to each transaction
  + Volume 3 -- metadata as a page, content profiles as pages
  + Volume 4 -- breakdown to each language?
  + Appendix -- breakdown to each appendix
  + Links as a maturity effort
    - Links only at this level from Volume 1 --> 2-x
    - Links from transactions and content to Volume 1
    - Section level linking
* Requires IHE can publish raw xhtml (which is already being driven by IG publisher)
* Approvals will need to go thru DCC and Board... ITI can't go forward alone (we can do experimentation alone)
* If we pick this up as a formal new work item, it would be presented to DCC to see if others object or pile on
* Must support user being able to create offline readable version (e.g. PDF or offline HTML).
  + Might be profile specific archive?