Arch-Spec-Needs

Thoughts on architecture spec needs:

General:
• Merge PRs #22 and #23 to create a "stable" document to apply the comments below
• Review all open issues on the LS and Architecture Spec and determine which can be resolved and should be reflected in this document
   ◇ conceptually this could include all open issues on any work product, since an archtiectural issue might arise in any of them (except JADN)
• We need to decide whether the registry is contain in an overarching document (Arch or LS) or maintained separately and act accordingly WRT this document
• I've asked my software team to create a list of uncertainties / ambiguities they find in the specs based on their development efforts; Some of them may apply to the architecture spec.

Detailed:
• Front matter: Editor List adjustments as appropriate
• **Section 1**
   ◇ 1.0: Consider whether the basic message exchange figure currently in 2.1 should be moved up after the first intro paragraph that describes that exchange
   ◇ 1.0: Is lead-in sentence to the list of documents types sufficient?
   ◇ 1.0: Consider whether anything about extensibility should appear in the LS description
   ◇ 1.0: Consider whether to use MQTT in place of HTTPS for the examples
   ◇ 1.2: we should decide which of the Architecture or LS is the proper place for the definitive OpenC2 glossary; if the Architecture we probably need words explaining that it's a broader glossary for the suite of documents
    ▪ 1.2.1: "Request" is missing from thie list (have Command but not Request)
    ▪ 1.2.1: we should consider organizing this glossary topically rather than alphabetically, to group related terms
    ▪ 1.2.2: does "MD5" need more than "message digest"?
    ▪ 1.2.2: do we really need to expand OASIS?
    ▪ 1.2.2: do we need related TC acronyms (e.g. CTI, CACAO, STIX, TAXII)? I guess right now none of those appear in our documents but there's certainly room.
    ▪ 1.2.3: need to fill out document conventions, to the degree they're needed; since we'll have some JSON examples probably need at least something.
   ◇ 1.3 / 1.4: currently all template boilerplate about Markdown formatting; can probably just delete
• **Section 2**
   ◇ 2.x, generally: this text was copied over from the LS and contains **many** internal references to LS sections; those need to either be removed or reworded as pointers to the LS
   ◇ 2.0: need to address reference to "Figure 1-1" (which doesn't exist in current draft)
   ◇ 2.0: should add mention of placeholder for notification message type. And possibly add a section 2.1.3 to discuss in a bit more depth, especially as we may have a use case for it from PACE.
   ◇ 2.0: delete "Procedures to extend the Targets are described in Section 3.1.4.", as I believe that's for the LS, not the Architecture
   ◇ 2.0: note that "a standard set" of arguments are in the LS (since APs can extend, as noted in the next paragraph)
   ◇ 2.0: fix the ref to "this language specifciation" in the Actuator description paragraph
   ◇ 2.1.1: remove repetitive language about Actuators at the end of this section
   ◇ 2.2:
    ▪ do we need more explanation of the configurations?
    ▪ should we split up the diagram and put the explanation individually with each figure?
    ▪ do we need a fourth configuration for when the Consumer is also a Producer (i.e., the interface to the managed devices behind the consumer is explicitly OpenC2)?
   ◇ 2.3: have "related … related" in the first sentence, need to fix
   ◇ 2.3: need to correct "Figure 1-2" in the text (and confirm numbering of Figure "2-2")
   ◇ 2.3: need some text in here pertaining to message encoding (serialization); it shows up in Figure 2-2 but there's no further discussion
• **Section 3**

◇ 3.x: need to update Duncan's draft conformance clauses PR and apply

- **Appendices**
  - ◇ App B: need meaningful content in place of template boilerplate; we have a never-progressed draft IA considerations CN that we could draw on, or do something concise and decide to re-invigorate that.
  - ◇ Appendices C and D need to be populated
  - ◇ Appendix E: Examples need to be placed here and any needed updates applied