CRMdig Cleanup

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What is CRMdig

A CRMbase harmonized extension of CRM in order to be able to cover metadata related to the activities surrounding the creation, manipulation, management and use of digital objects especially in relation to CH practice.
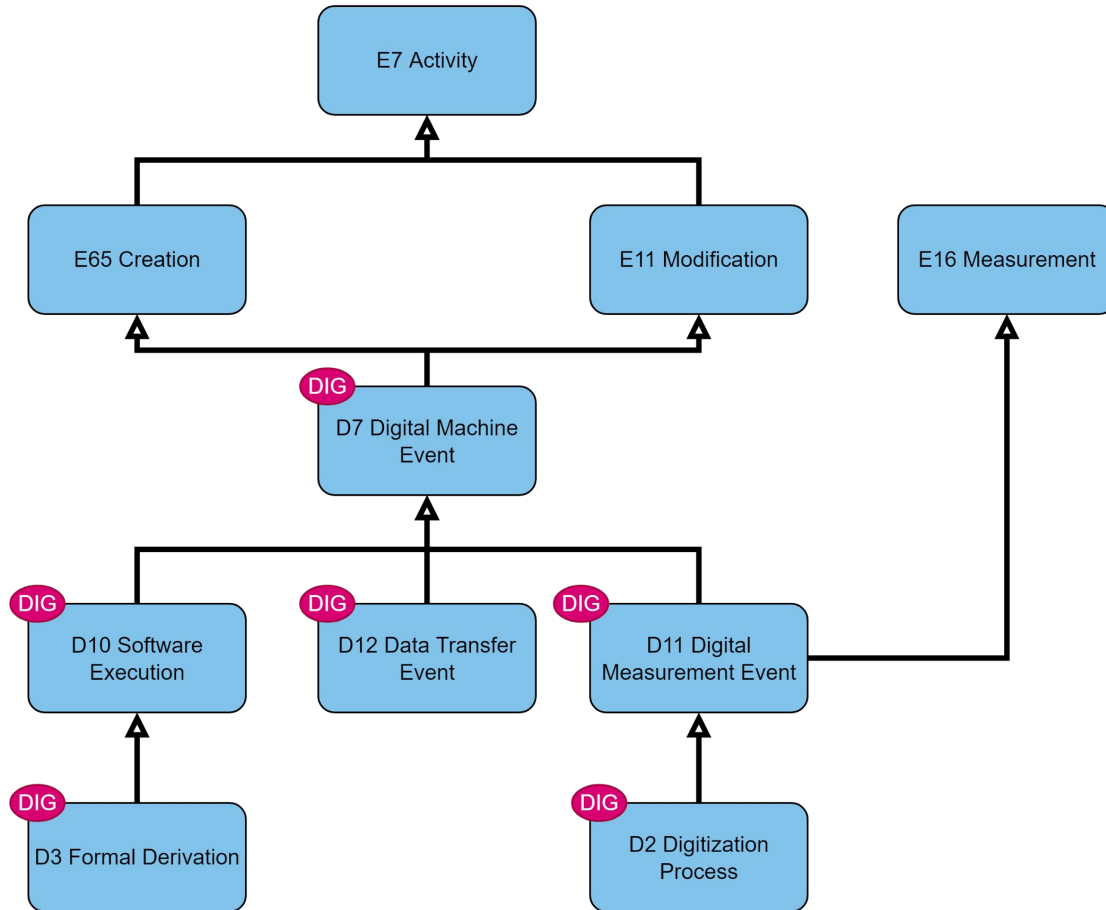
Why return to CRMdig?

Bring it to an official stable state. Tie up loose ends. Resolve conceptual probs. Harrmonize with ongoing work and other extensions, especially CRMpe.
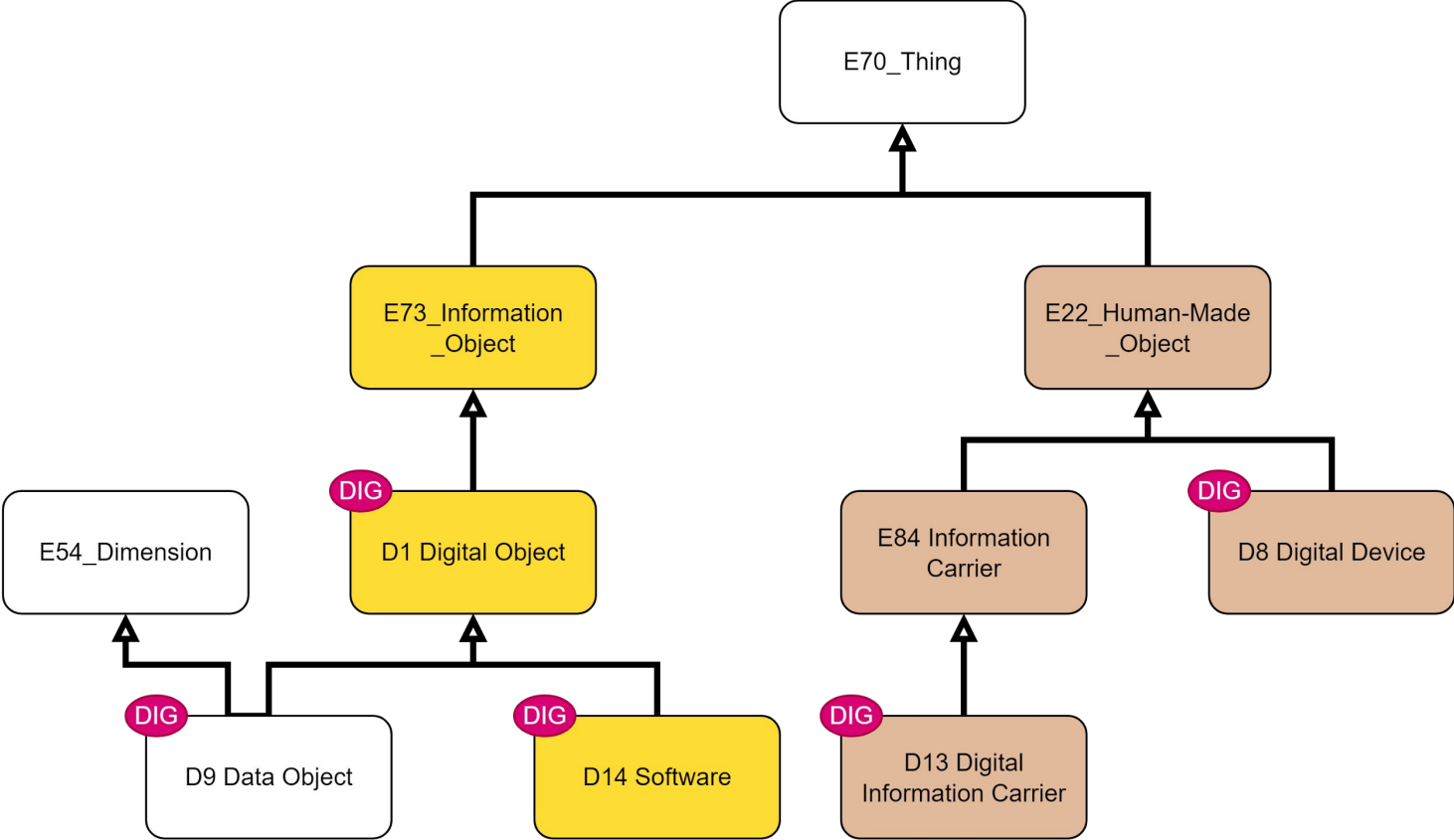
What needs to be done?

1. Tidy up classes and properties (what is necessary / what not) &
2. Check consistency with CRMbase 7.1.1
3. Check consistency with other extensions (which versions) especially CRMpe (Parthenos Entities Model)
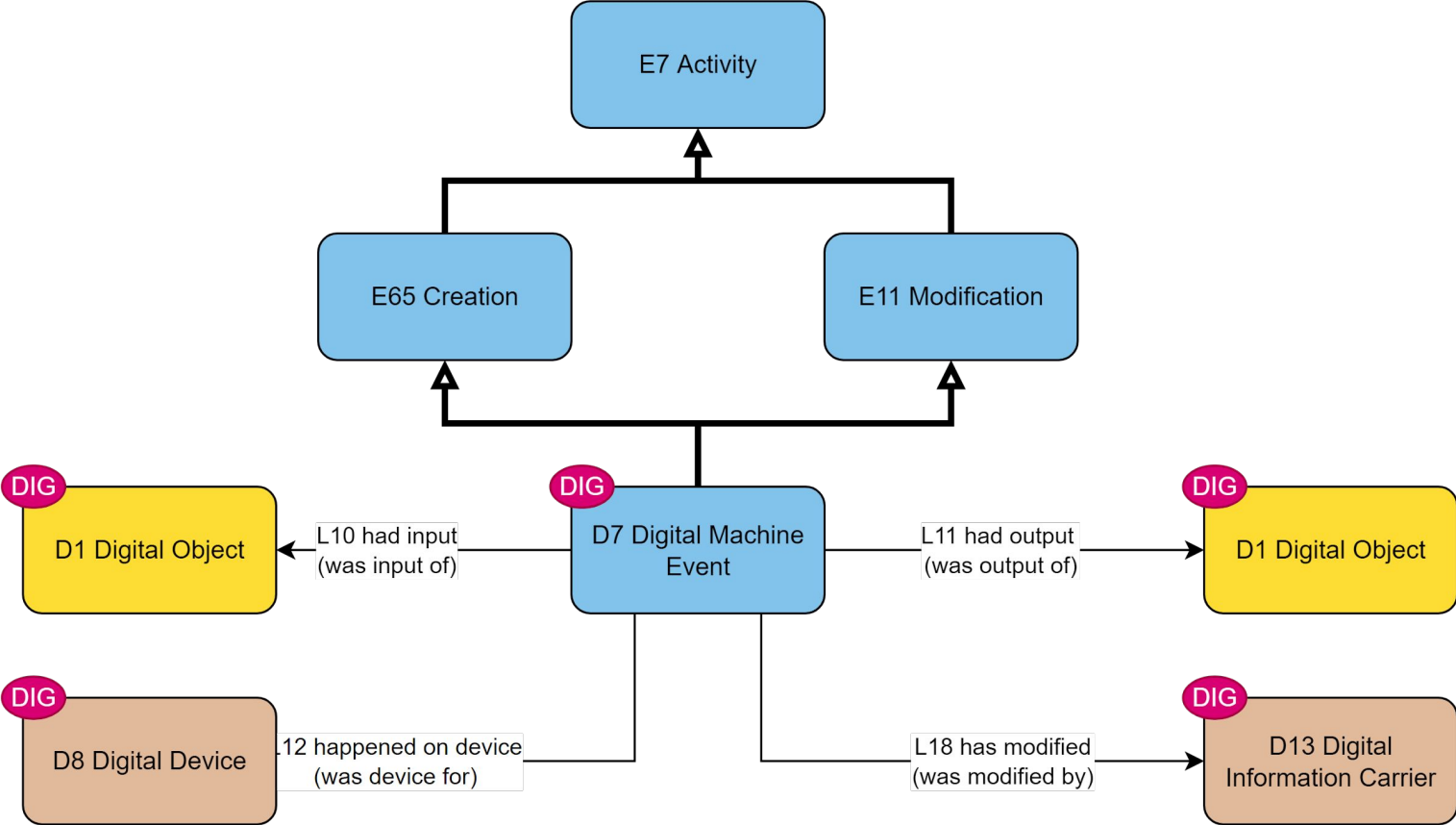4. Consider overall coherency, general modelling problems

CRM Dig: a Refresher
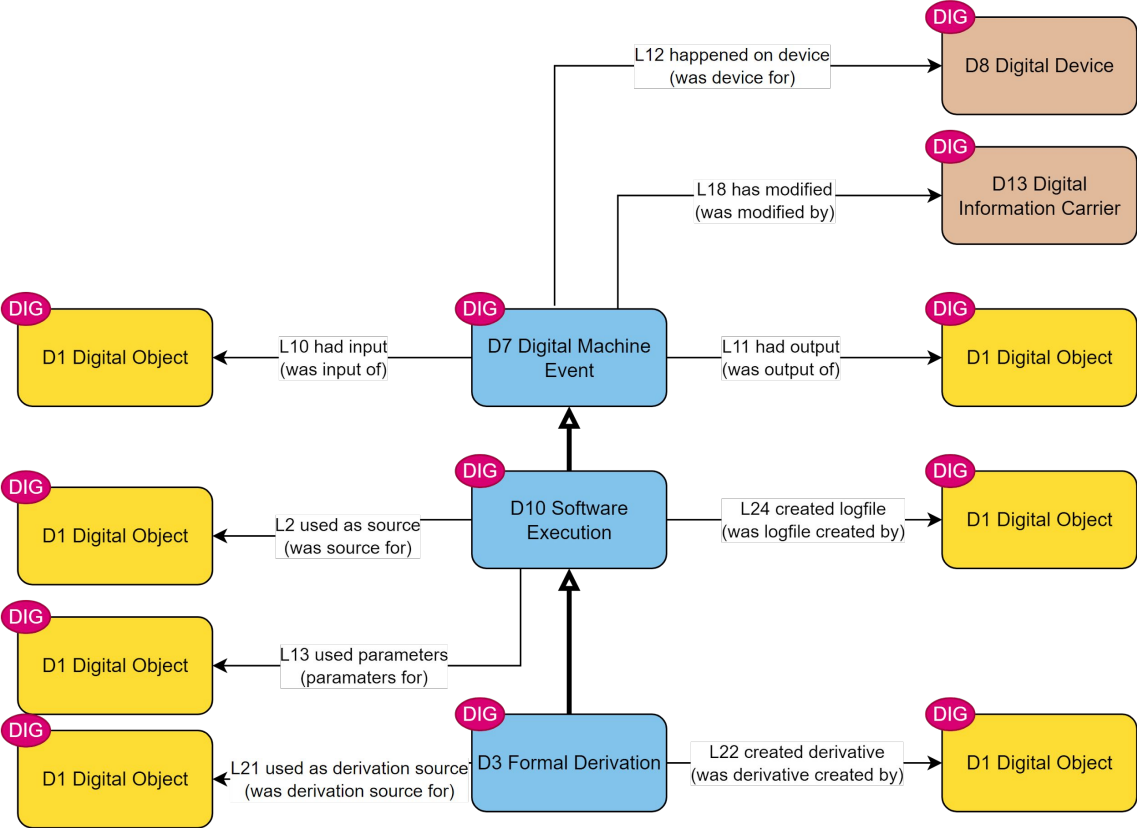
Digital Events

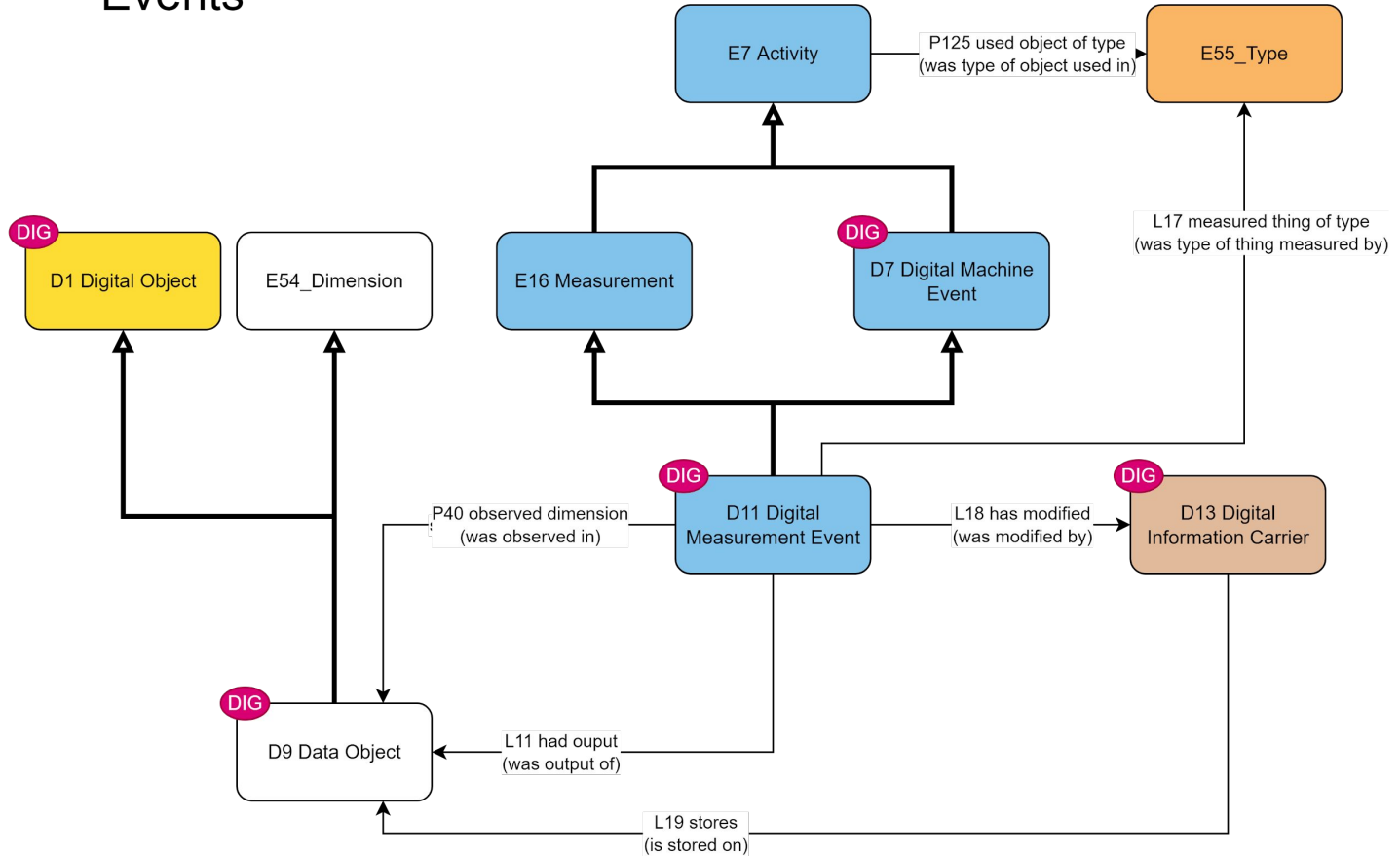# Digital Things

Digital Creation Events
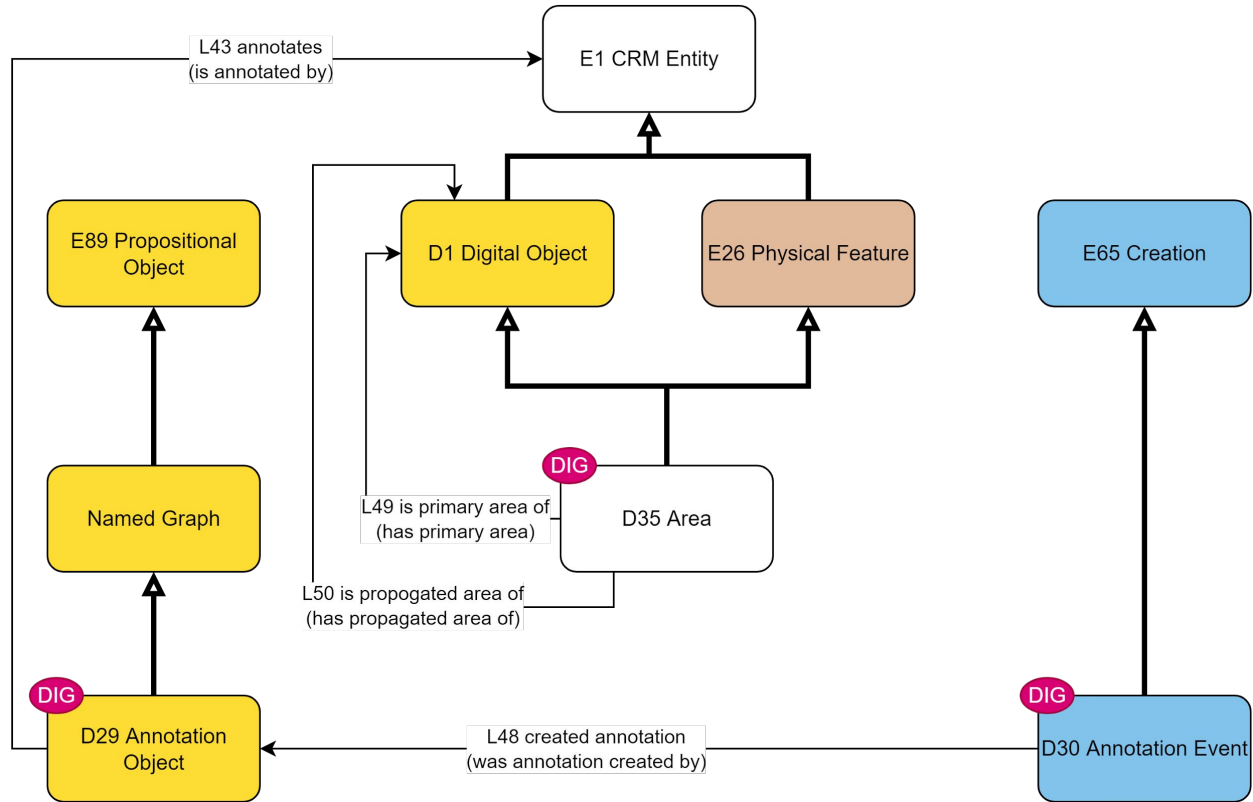
Formal Derivation Events

Digital Measurement Events

Digital Annotation Events

1. # Tidying up

CRMdig was built 'ground up' for a project so it contains many classes and properties that pertain to a project level ontology but no a general level ontology

A number of classes and properties could be culled to make the standard more consistent with ongoing modelling practice of the SIG.

Classes to Delete (and why)

D9 Data Object: This merge class confuses the nature of the digital object and dimension. The digital object in fact encodes a dimension, but it is not itself a dimension… has properties but they are ad hoc and undesirable

Replace with a property to link a digital object to a dimension perhaps? Something like 'encodes'? (compare p190 questions)
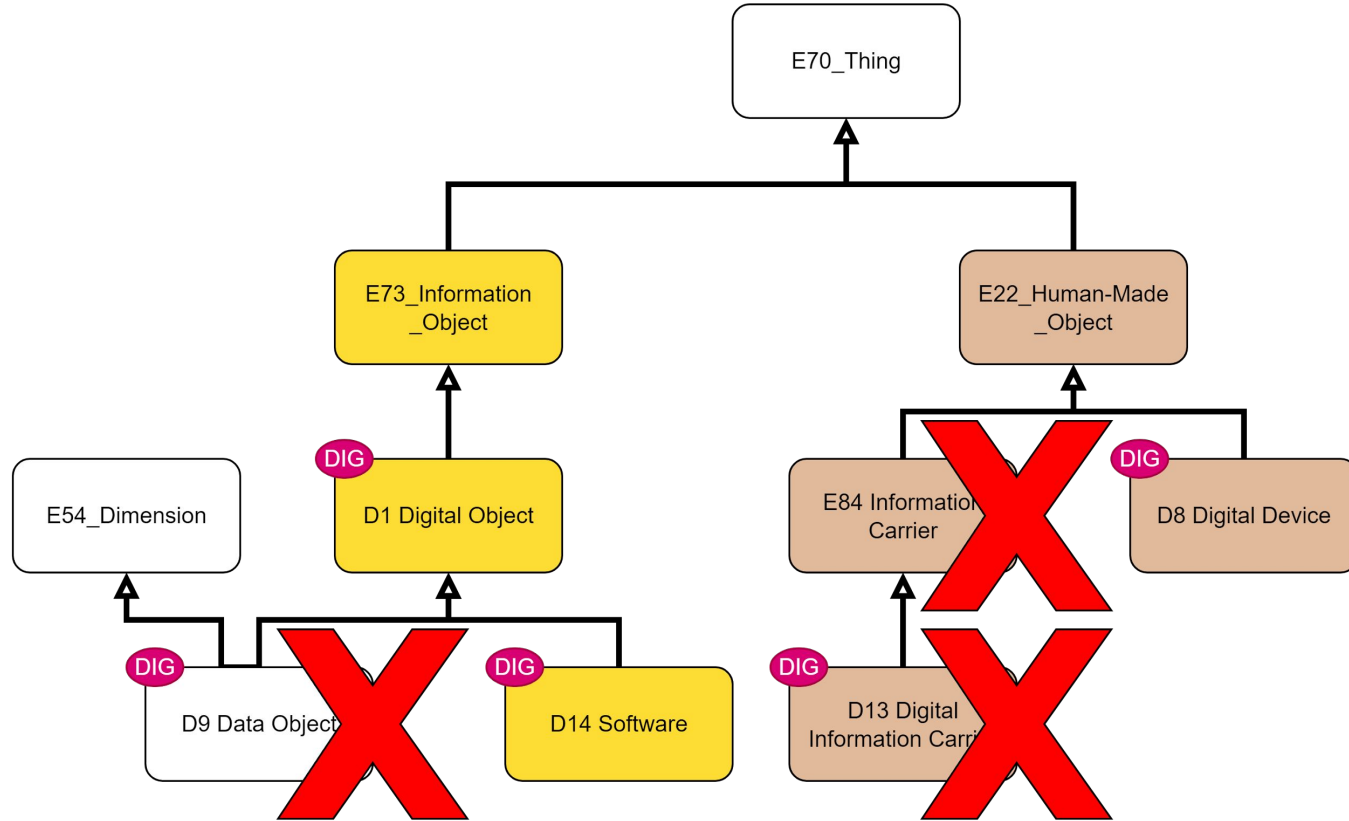
D13: Digital Information Carrier… this was an extension of E84 Information Carrier which was removed. It has a property but that property gives no more information that P128 carries. So. no reason for this class. -- The storage functionality could be merged to D8.

D21 Person Name: Obvious reasons.

D23 Room: Convenience class that is in fact not that convenient: use E53 Place

D35 Area: this class seems to mix disjunct top level classes since it becomes both physical and conceptual -- should be a *digital* feature?

Digital Things

Properties to Delete (and why)

L4 has preferred label: inconsistent with the rest of CRM, redundant to other ontologies

L20 has created: because D9 is removed (but see also D11)

L24 created logfile: creates a file of type 'logfile'

L29 has responsible organization: unnecessary sub property just use p14

L30 has operator: unnecessary sub property just use p14

L31 has starting date-time: inconsistent modelling, use time span like everyone else

L32: has ending date time: inconsistent modelling, use time span like everyone else

L33: has maker: this property violates event modelling. If it continues to exist then E73 should have 'has author'

L34 has contractor: unnecessary sub property of an unnecessary subproperty, use p14

Properties to Delete (and why)

L35 has commissioner: unnecessary sub property, use p14

L47 has comment: not ontological at all

L49 is primary area of: if D35 killed, then this should be killed too

L50 is propagated area of: see L49

L51 has first name: inconsistent non ontological modelling, anathema!

L52 has last name: see above

L53 is not uniquely identified by: this is not a way to encode a negation and does not say anything (see also neg properties question)

L55 has inventory number: this is not ontological, please use standard modelling

L56 has pixel width: no standard modelling, use dimension

L57 has pixel height: non standard modelling, use dimension

L59 has serial number: non standard modelling, use E42

L60 documents: unnecessary sub relation

L61 was on going at: again non standard time modelling for convenience sake

Things to Add

- Replace D35 with a property 'digitally encodes dimension'
- Add general property to D1 Digital Object 'encodes content' which is the equivalent of 'carries' in physical world (see work of Linked.Art)
- Missing classes to handle typical digital date:
  - Audio
  - Video

(these could start here and then migrate up to base) -> the digital object IS NOT the thing it encodes

Things to Modify

Scope Note of D1 Digital Object if we integrate CRMpe

Still Missing

No way to model the events related to the creation of a persistent digital object in relation to a virtual digital object

No event classes for digital publishing (quite common phenomenon)