

Add the product and product category data to establish independence of the requirements property from the design definition. This option has been added to the mapping table of Erequirement_occurrence

description = via category
(This is a meta data concept, not a data instance. When used in this diagram, the constraint region is saying something about whether vias are allowed in the shape representing the constraint or whether the vias are not allowed in the shape representing the constraint. This meta data is applied to the constraint region by the property definition relationship with the name = constrained object. The name is a little misleading. Better might be constrained object category.)

ARM Application object: Interconnect_module_constraint_region is mapped to AIM element group_shape_aspect; Comments in red indicate ARM constraints; name and description assignments are mapping table constraints

use a separate pdf for the group product definition but it is ok to point to the same product; the product definition context separates the context sufficiently. There are no rules to enforce the pdf selection.

There may be several group members since one constraint may be for several versions of the product

There may be more than one inter stratum extent associated with a constraint region. Don't have to be contiguous vertically.

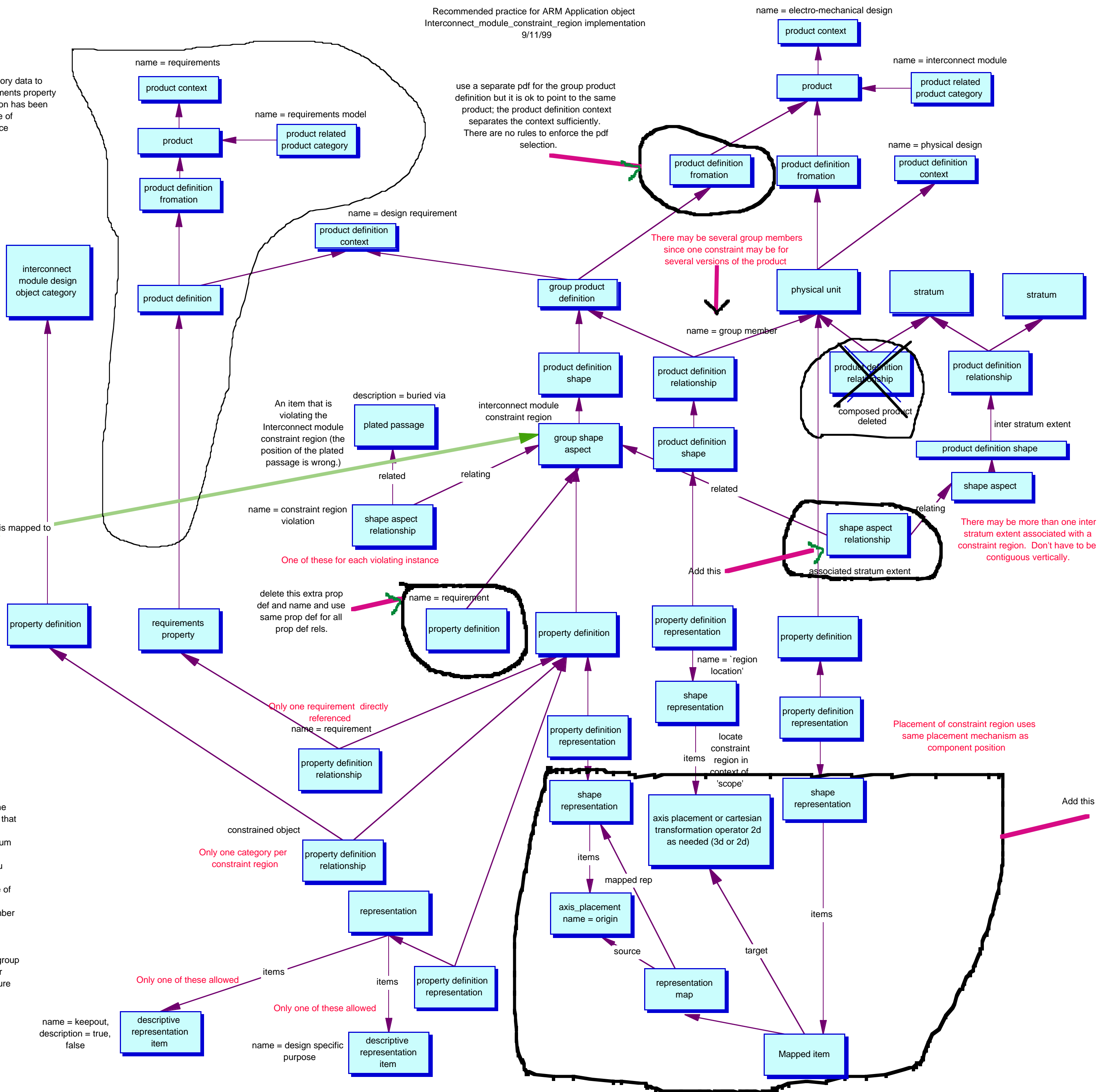
One of these for each violating instance

delete this extra prop def and name and use same prop def for all prop def rels.

Only one requirement directly referenced

Placement of constraint region uses same placement mechanism as component position

- Issues with n04-98:
- 1 There is no direct route from the group shape aspect that is the interconnect_module_constraint_region to the inter stratum extent that is the associated stratum extent. We don't need a cardinality constraint here. We just need to be able to tell which 'inter stratum extent's are associated with the group shape aspect.
 - 2: The 'composed product' relationship is redundant to the acu between the stratum and the interconnect module.
 - 3: group shape aspect is not really a requirement itself; it is more of a requirement allocation.
 4. In the arm, wr1 appears to be wrong. It should say: each member of scope shall specify a different product version.
 - 5: reference path for requirement has a constraint that prop_def.name = 'requirement'. this should be deleted.
- Adopted solution: add a shape_aspect_relationship between the group shape aspect and an instance of shape aspect pointing to inter stratum extent. Fix wr1. This won't require changes to the structure of the aim, and resolves the issues. see the sketch for other recommendations.



name = keepout, description = true, false

name = design specific purpose

Only one of these allowed

Only one of these allowed

Only one category per constraint region

Add this