## 278-268 issue

The crm-sig discussed these two issues together, since both are about mass production. The crm-sig reviewed the proposed new classes and properties and concluded to the following:

**a)** homework was assigned to Steve and George the elaboration of the scope note of Exx Product Type with the aim to express the identity given by a company and taking into account the practice in ancient times. Up to now the definition of the proposed class is the following:

## E99 Product Type

Subclass of: E55 Type

Superclass of:

Scope note: This classes comprises types that stand as the models for instances of E22 Man-Made Object that are produced as the result of production activities using the same exact plans intending to result in series of uniform, functionally and aesthetically identical and interchangeable items. The product type is the intended ideal form of the manufacture process. It is typical of instances of E22 that conform to an instance of E99 Product Type that its component parts are interchangeable with component parts of other instances of E22 made after the model of the same instance of E99. Frequently, the uniform production according to a set E99 Product Type is achieved by creating individual tools, such as molds or print plates, that are themselves carriers of the design of the product type. Modern tools may use the flexibility of electronically controlled devices to achieve such uniformity. The product type itself, i.e., the potentially unlimited series of aesthetically equivalent items, may be the target of artistic design, rather than the individual object. In extreme cases, only one instance of a product type may have been produced, such as in a "print on demand" process. However, this should not be confused with industrial prototypes, such as car prototypes, which are produced prior to the production line being set up, or test the production line itself.

Examples: Volkswagen Type 11 (Beetle)

Proposed properties: A unique plan, a required, unique tool.

b) it is needed to add cardinality to the plan property (plan is necessary) and make decision if there are any further properties of relevance. It is assigned to MD to continue the property declarations for plans and specific tools, categorical properties for items produced and used by activities that produce things of this product type considering as a generalization of what is found in FRBRoo