

Commandments of Pro/E

(These are good generalized rules downloaded from a Pro/E user group email. Note: As in life there is no one way to do something and there is no one rule to explain everything)

Part Mode

- Thy Holes and cuts shall not be filled.
- Thy Features shall not be covered completely by other features
- Thou shall add chamfers, drafts, and rounds at the end of the model and not create children of chamfers, drafts, and rounds
- Thou shall avoid creating rounds and chamfers in sketcher, as they should be added as separate features, when possible.
- Patterns shall be used in preference to copy
- Thou shall keep sketches simple and not create complex features with a single sketch
- Thou shall name thy features to ease future redefinition
- Incomplete features shall be removed or completed
- Thou use thin sections when applicable
- Thou shall always keep the same parent surface for thy merges.
- Thou shall use datums to define depth of feature when feature depth is likely to change, and feature will have plenty of children
- Thou will have problems with drafts and rounds
- Thou shall reference datum features in sketches wherever possible
- Thou shall fix missing reference warnings immediately

Drawing Mode

- Thou shall not use Snapshot, unless required in dire need
- Thou shall use shown dimensions as much as possible
- Only Company standard formats shall be used on drawings
- Thy drawings shall not contain overwritten dimensions (@o)
- Models attached to Thy drawings, but not showing in any views, shall be removed
- Thou shall Orient views using default datums or view names, not thy model geometry
- Thou shall make the drawing independent of local environment settings

Assembly Mode

- Thy alternative components shall not be left assembled on top of each other
- Thy Assembly features, such as cuts, shall be avoided
- Thou shall use constraints that reflect real-life assembly or manufacturing situations
- Thou shall follow the rule that assembly datums make the best parents
- Thou shall not select constraints simply based on ease of selection of references
- Thy Frozen components shall be resolved

Intralink

- Thou shall not submit parts and assemblies to IntraLINK with suppressed feature and components
- Thou shall not submit parts and assemblies to IntraLINK in insert mode
- Thou shall verify all instances before Check-In

General

- All thy applicable parameters shall have a value assigned
- Thou shall orient sketches the same way within a model e.g. always set TOP, RIGHT, or FRONT as "TOP".
- Thou shall use default datum planes to orient sketches unless there is a damn good reason not to
- Thou shall use start parts & Assemblies for all new models
- Thou shall clearly comment all relations
- Thou shall learn to love Layers and his more advanced brethren, Simplified Rep's
- Thou shall not make any unintended parent-child relationships or you will suffer the wrath at the hands of redefine, reroute, and reorder. The use of "query select" or "select by menu" shall be used if there is any doubt as to which entity you are selecting, to ensure correct parent/child relationship
- Thou shall use the erase option to clear objects from memory and shall not be confused with the delete option.
- Thou shall save early and often
- Thy Circular References shall be resolved
- Thou shall learn to create multiple datums-on-the-fly
- Thou shall limit points on splines.
- Thou shall save parts with axes, points, surfaces, planes, geo tol, coords, blanked.
- Thou shall consider too many datum features (planes, curves, points) as never enough and unused datums shall be deleted
- Thou shall not family tables for anything accept a true family, such as fasteners
- Thou shall never reference a model edge if there is a suitable surface available
- Thou shall not use cosmetic sketches"