**Router Data Entry Requirements**

Related Documents

* PSE\_v2.epgz
* BraidwirePerFoot.xlsx
* Volume.xlsx
* QATask\_Requirements.docx

General Information & Requirements

Many assumptions were made for the sake of expedience. Further discussion is welcome, as are any recommendations. Wireframes are provided, however they are only meant to be a guide and do not fully depict the requested functionality.

* These customizations are intended for the router and are used to provide work instructions and mfg. specifications for specific router sequences.
* The provided wireframe (PSE\_v2.epgz) is laid out as a single form; however, it should be treated as several separate forms. Each section is its own form and correlates to a different kind of labor or task sequence on the router. The General section is header information in addition to engineering and quality signoffs for the router creation process.
  + **These forms are not necessarily workcenter/workgroup specific.**
  + Except for Notes and signoffs, header information is pulled from the inventory master record.
* Dark grey fields represent data that is pulled from other records in the system. Fields in white (and all checkboxes) represent data input.
* The wireframe includes tabs for datatypes and tab orders.
  + Numeric fields should accept numbers to at least 5 decimal places.
* We want the ability to add/change/remove values for combo boxes (not hard-coded entries).
  + All Device ID fields should pull from one central table (applies to everywhere a Device ID entry field exists on the PSE and PCS screens).
* Changes to the router sequences after the router is complete (QA signoff) should be viewable via an audit log/report down the field level. The audit log entry should contain the following data:
  + Field name
  + Date the field was changed.
  + User that made the change.
  + Old Entry
  + New Entry
  + Ideally, this includes the addition or subtraction of router sequences.
* We will be using the ECN functionality to control part revisions, and would like to extend this functionality to include the router. F/G parts will have a one-to-one relationship with a router. I.E., A revision to the part requires a revision to the router.
  + Once a router is saved only note fields (header and sequence) should be editable. Further editing requires a revision. – **Further discussion necessary**
* We need recommendations on how to capture engineering and quality signoffs. For instance, once an engineer creates a router, the router needs to go through quality review before it can be sent to the shop floor.
  + Once QA signoff has occurred, specification/work instruction data should be read only for non-admins except for Notes fields. Changes to any field other than notes requires a revision. – **Needs further discussion**
* We want to extend the Router copy function to include data entered by way of these customizations.
* We have several calculators we want to have available on the router entry screen.
  + Braid-wire per Foot/per Piece calculator (Wire Per Foot.xlsx)
  + Polyimide (PI) Volume calculator (Volume.xlsx) – still being finalized, draft attached
  + PTFE Dispersion calculator – Still being developed
  + Additional calculators are still being considered
* **Character limit**
* **Field limits**
* **Acceptable values for Min/Max/Nom fields**
* ARC Project for additional inventory fields and field numbers used for PSE data pull.
* Chris to send calculator.