**GUI Data Collection Customization Requirements**

Related Documents

* PCS\_v2.epgz
* PCS\_PTFE\_v2.epgz
* PCS\_Assy\_v2.epgz
* PCS\_Rein\_v2.epgz
* PCS\_Trim\_v1.epgz
* PCS\_PFB\_v1.epgz
* PCS\_Insp\_v1.epgz
* PCS\_Pack\_v1.epgz
* QATask\_Requirements.docx

General Information & Requirements

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

* These customizations are intended for GUI data collection on the shop floor. The operator is presented one of these forms (relative to the labor/task sequence) when beginning work on a job on the shop floor.
* The provided wireframes are for use on router sequences performed on specific workcenters/workgroups.
  + Build Specification pulls data from the PSE.
  + They need to be interchangeable between workgroups/workcenters. Certain machines can perform dual operations which may require one form or the other.
  + Work Order Details pulls information from the work order, router and inventory master.
  + Mfg. Date is the date the machine started running. This could be different from the date the run was completed.
  + Setup Operator is the operator that clocked into the job and performed the machine setup and initiated the work.
    - Several operators may clock into the same job at different points during a day and make entries to the Sampling Log. This should not affect the entry for Setup Operator.
* Dark grey fields represent data that is pulled from other records in the system. Fields in white (and radios) represent data input.
* The wireframes include 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).
* We want the ability to save inputs throughout the process.
* Changes to the inputs after the initial save 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
* Several fields are Date/Time and should be stored in a manner that allows for easy analysis of date/time data. (Power On, Wet Time, Sampling Log Time entries)
* We would like the ability to attach files (PDF, MS Office, images, etc.) to the worker order sequence.
* Once the labor sequence is complete, the record should be saved and read-only to all employees except administrators or managers (ie, users of our choosing).
  + Records need to be reviewed for accuracy by another operator(s) prior to closing the sequence. We need recommendations on how to achieve this.
* The Sampling Logs are basically a data table built as the run progresses using the fields present at the top (column headers). Not all fields will contain data each time an entry is made.
  + The Operator field should be auto-populated with the initials of the operator performing the entry.
  + Time should also be auto-populated with the entry time.
  + Double clicking on a saved line should recall the data entered and make it available for editing, but should not change the date/time. (We don’t want edited lines to be re-inserted out of sequence. The log is based on the time the checks were performed, and entries need to appear in chronological order.)
  + We would like to be able to attach images to sampling log entries (see PCS\_Rein\_v2.epgz as example)
* Operators need a way to search for past work orders to use as a reference for the machine setup. This should be available on the main GUI screen. Search criteria should include:
  + Yield percentage
  + Mfg. Date
  + Work center
  + Code
  + Router Number
  + Part Number
  + Dye Type
  + Wall
  + AWG
* **Specific to PCS\_v2** **only** - The dye string under Setup Data specifies dye sizes used on a machine. There are 38 possible values, each numeric. In addition to a dye size, each dye may specify a color. We need recommendations on how to capture color and dye size apart from one another without the use of duplicate fields.
* We need a report that shows all data for the specific work order sequence that follows the same basic layout, including the sampling log entries.
* **Customization to main GUI screen –** If an operator closes a work order sequence later than originally scheduled, we want to be able to capture a reason code as to why the sequence is late/delayed.
* **Checkboxes** indicating API, Data Required Final, Data Required In Process, or Final Inspection should be turned red when true.
* **Drawing** links on the forms should link back to any docs/files/images attached to the item.
* Multiple operators should be able to report pieces on the same work order sequence (ex., Inspection).
* Several screens will only display work instructions to the operator(s) performing the work on the sequence (PCS\_PFB\_v1.epgz, PCS\_Insp\_v1.epgz, PCS\_Pack\_v1.epgz).
* Print work order from GUI.