

## eShop Order

**SACS-Cincinnati** 

### **Agenda**



**Generate Barcode/Pin** 



Sign off a job



Log in to SA Menu



Log out of a job



Log on to a job



**Transfer the part** 



**Read a Router** 

### History/Importance



Go Green!

**Document retention** 

**Streamline process** 

Best documentation practices



Consistency among completed repairs

**Traceability** 

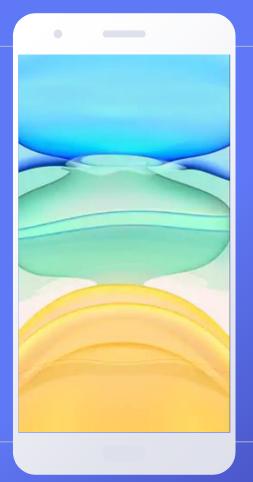
#### 1. The Router Packet

Introduction to understanding the Router



#### **Router Packet**

- The Packet contains pertinent customer information & technician provided documentation concerning the part. The Packet travels through the facility with the part.
- As you would be glued to your cell phone at home, the Router is always near the part.



#### **Router Packet**

Solid Red: used for parts going to Large & LLP.

Red line on clear folder: used for parts that are Warranty parts only.

Yellow line on clear folder: used for parts that are not going to Large & Life Limited Part cells or warranty.

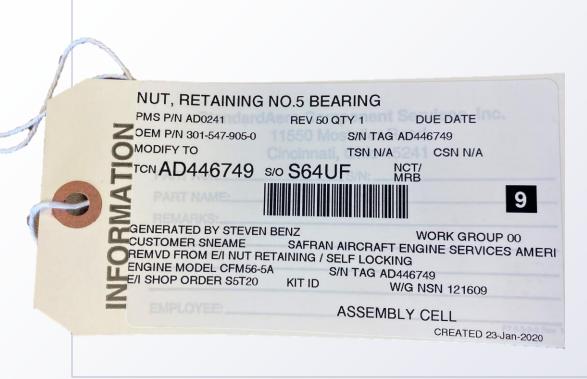
**Green:** used for parts that need to be expedited.

Blue line on clear folder: used for parts for rotable sales.

Solid blue: used for parts for new Military work.



Cycle 1 Router: Receiving thru inspection (orange)



#### Cycle 2 Router: Repair (white)

### 2. Generating a Barcode

Introduction to generating a barcode

Guard your pin! If you leave your Badge at home or need to reprint, the new Pin invalidates the previous one.

Use your barcode to signoff on the job sequence you are currently working on.

# Generating a barcode

1.	Log in to SA Menu by typing in your Username and Password:  • <u>Username</u> : Employee ID number.  • <u>Password</u> : Computer log on password.		
2.	Maximize the screen.		
3.	Locate the "Qualifications and Training" $Tab$ (seventh from bottom).		
4.	Double-click on Tab (several gray cells appear).		
5.	Double-click on "Generate Pin" <i>Tab</i> .		
6.	Drop-down Menu displays <i>Printer</i> options. Ensure <i>Printer</i> is mapped to correct <i>Printer</i> . If <u>not</u> , proceed as follows:  • Click on <i>Start Menu</i> button.  • <u>Type</u> : //wkrp/Printer Name {ex. //A5062}.  • Press "Enter" on keyboard.  • <u>Note</u> : When <i>Printer Queue</i> displays on screen, click "OK" to exit <i>Printer Queue</i> .		
7.	Return to "Generate Pin" screen.		
8.	Type in your <i>Username</i> and <i>Password</i> (same as Step 1).		
9.	Verify <i>Pin</i> will be sent to correct <i>Printer</i> .		
10.	Click "Generate Pin and Print" button.		
11.	Retrieve Pin from Printer.		
12.	Use scissors and tape to:  • Cut <i>Pin</i> out.  • Tape <i>Pin</i> to back of your <i>Badge</i> .		

Treat your barcode like you would your ATM card. Do not leave Barcode/Pin on your desk.

### 3. Logging into SAM

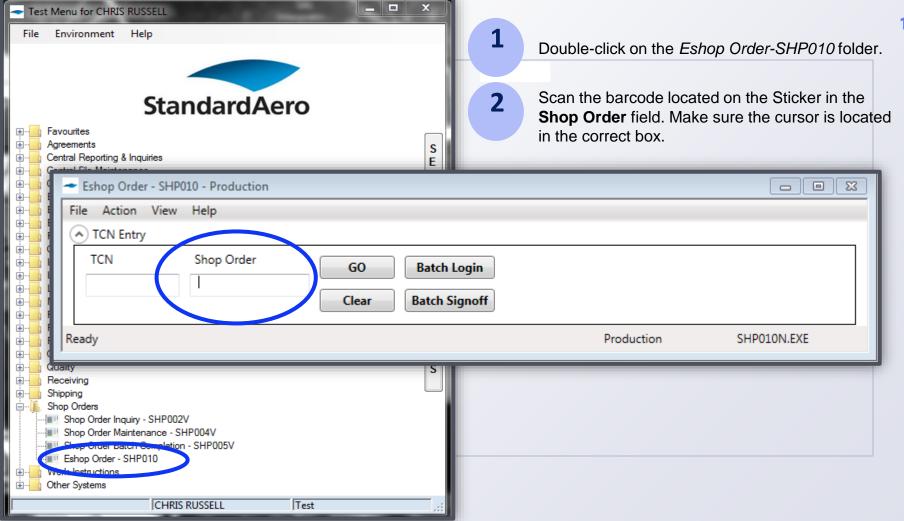
Introduction to logging into SA Menu (SAM)





- On your Desktop, double-click **SA Menu** icon.
- 2 Log into the system by using your username and password.
- Double-click on the Shop Orders folder.

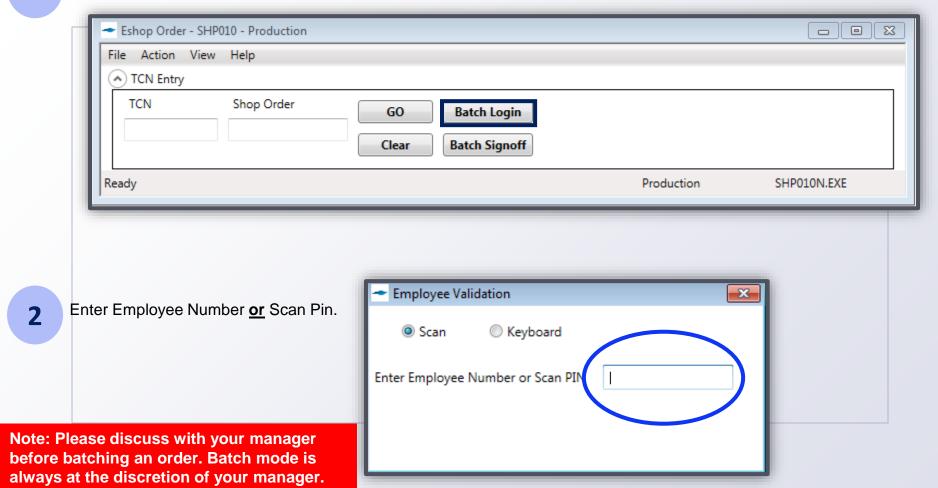




### 4. Batch Logging a job



Click Batch Login button.



JASON MOORE Production

SHP010N.EXE

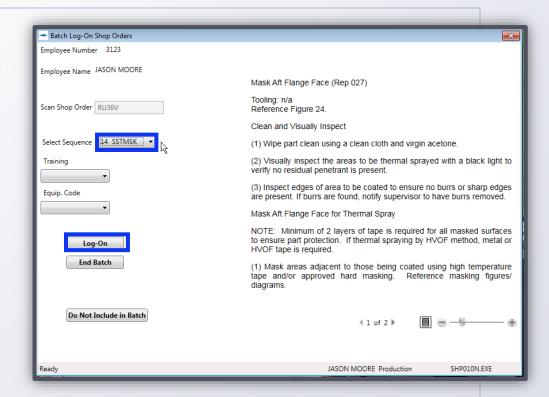
 Batch Log-On Shop Orders Employee Number 3123 Employee Name JACON MOORE Scan Shop Order 3 Place your cursor in the Scan Shop Order field. Select Sequence Training Equip. Code Scan the barcode located on the Sticker in the Log-On 4 Scan Shop Order field. **End Batch** Do Not Include in Batch 

Ready

In the **Select Sequence** field, use the drop down menu to select accurate Work Center.

6 Click Log-On button.

Repeat steps 3 thru 6 until you have scanned into <u>all</u> sequences assigned to you.

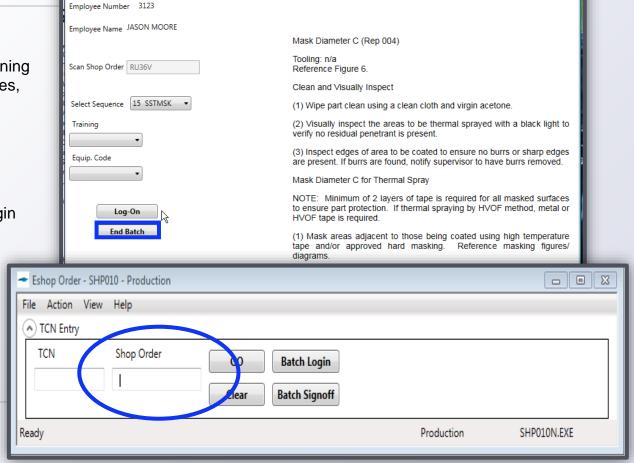


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After you have completed scanning into all of the required sequences, click **End Batch**.

**9** Return to the E-Shop Order login screen.

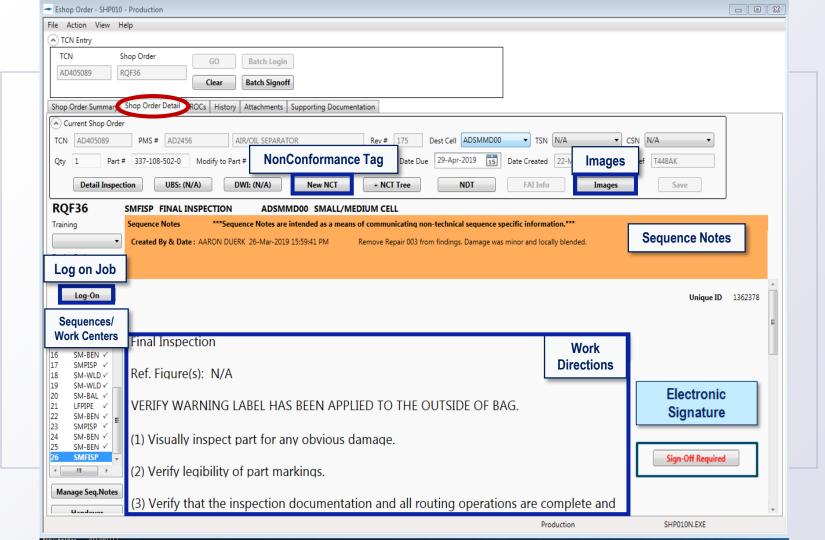
Note: Scan the barcode located on the Sticker in the **Shop Order** field.

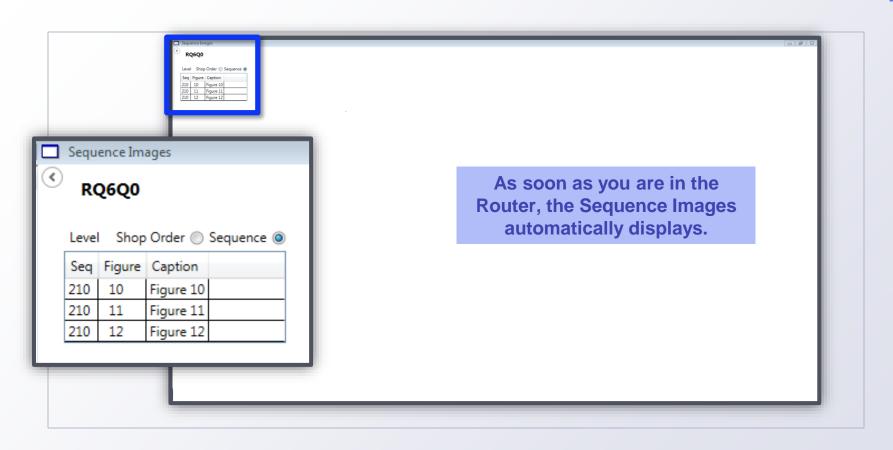


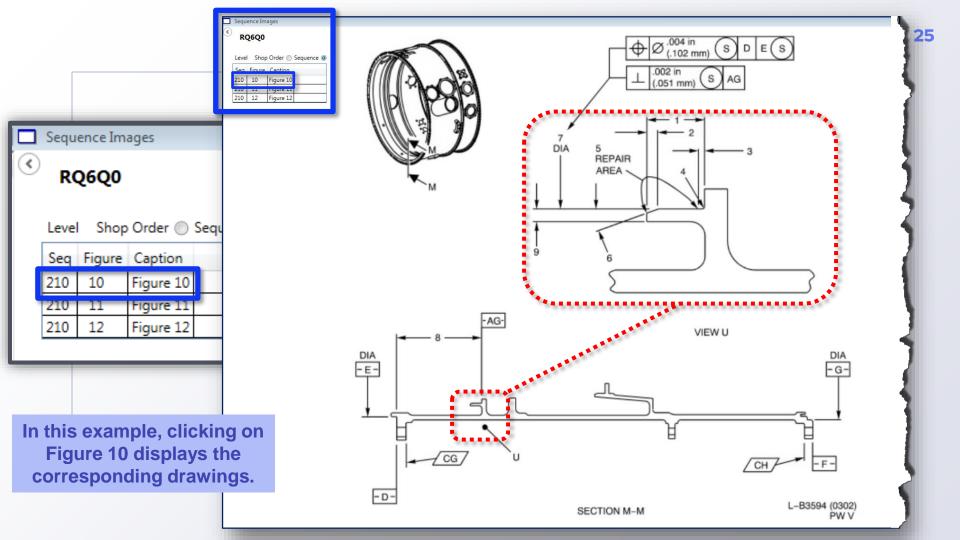
Batch Log-On Shop Orders

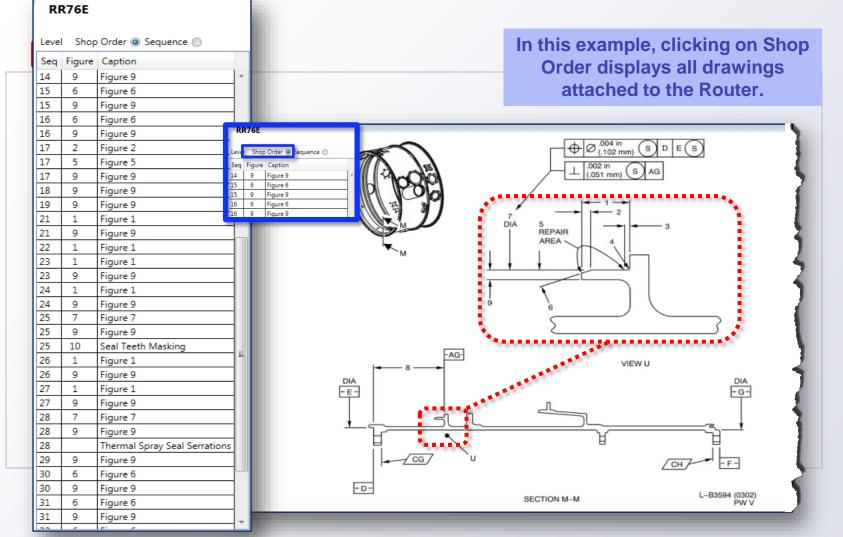
#### 5. In The Router











#### **Quick Tips**

- After logging into the Router, double check to make sure the P/N & S/N on the part matches the P/N & S/N in the Router and on the Sticker.
- Double check to make sure that you are at the top of the Router. Scroll to top, if necessary.
- Verify Router opens to your sequence/job operation.
- Verify previous steps are signed off.
- Check for Sequence Notes.
- Report Router discrepancies to engineer or manager.



Stay focused! Read and understand Router completely before proceeding.

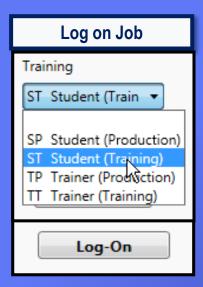


### 6. Logging on a job



#### Logging on a job

There are multiple options to select when logging on a job.



#### Select "Log On" button. Select "Log On" button. After the Employee Validation After the Employee Validation window opens: window opens: Scan Badge or Type in Scan Badge or Type in Employee # & Password (same Employee # & Password (same as the SA Menu password) as the SA Menu password) o Select "Ok" button. "Log On" o Select "Ok" button. "Log On" button should be highlighted button should be highlighted

Trainees can log on to various sequences but cannot sign the sequence off.

Trainer must always sign in after trainee to the appropriate category.

SP

**Student (Production)** 

green and the word "Accepted"

should display for 3 seconds.

Under "Training," select "SP

Student (Production)"

Trainee Production

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ST

Student (Training)

**Trainee Non Production** 

Student (Training)"

Under "Training," select "ST

green and the word "Accepted"

should display for 3 seconds.

When the trainee logs in to training, the trainer logs in to production.
 When the trainer/manager decides that the trainee is close to being out of training, the trainee logs in to production, the trainer logs in to Training.
 Make sure that

**Trainer (Production)** 

Make sure that when you log into a job, you're actually starting the job!

 Under "Training," select "TT Trainer (Training)"

Trainer (Training)

**Trainer Non Production** 

- Select "Log On" button.After the Employee Validation
- window opens:Scan Badge or Type in Employee # & Password

(same as the SA Menu

password)

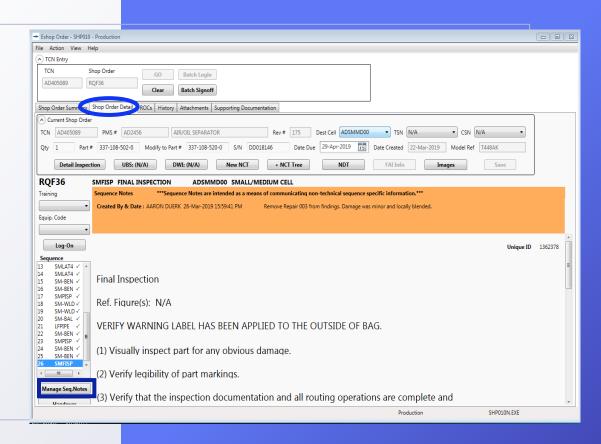
 Select "Ok." "Log On" button should be highlighted green and the word "Accepted" should display for 3 seconds.

### 7. Reading the Router



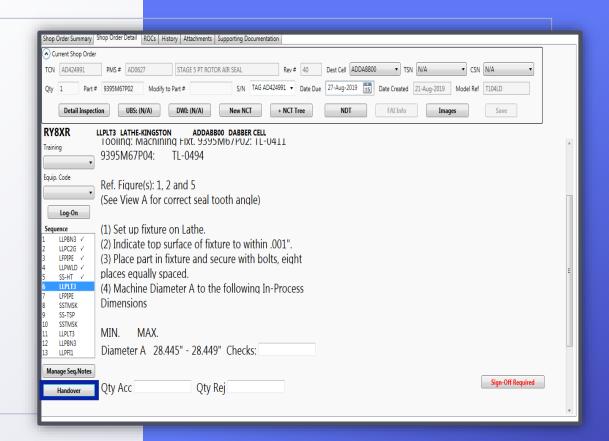
#### **Sequence Notes**

Useful notes to relay additional information for the operation by engineering and inspection. If box is present, carefully read the note.



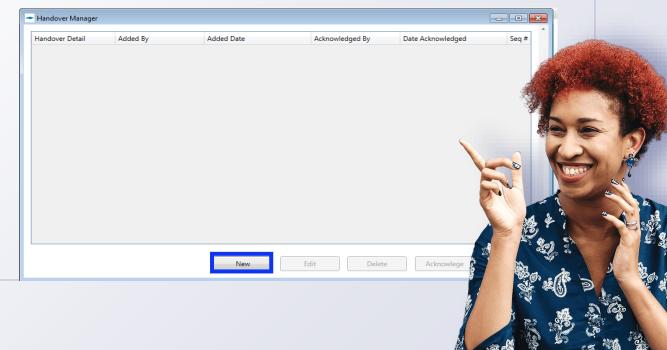
#### **Handover**

Used to leave detailed instruction for the next operator or technicians about an incomplete sequence.



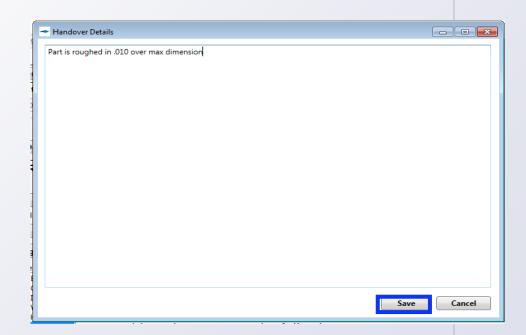
1 Click the **Handover** button.

On the Handover Manager screen, click **New**.

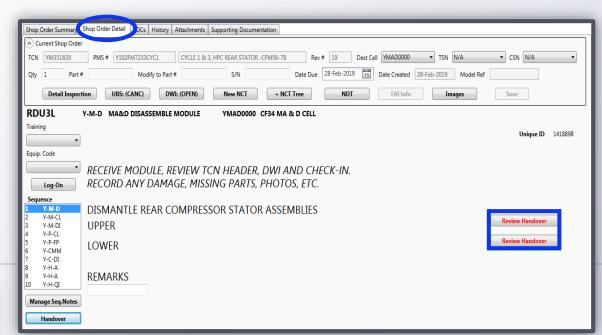


On the **Handover Details** page, enter in detailed instructions for all prior work performed. If a part cannot be completely repaired before you leave for the day, the handover function lets the next person know exactly what work has been done. These instructions must be detailed enough for the next person to pick up where you left off.

Click **Save**. By clicking save, you are acknowledging that you have performed the work.



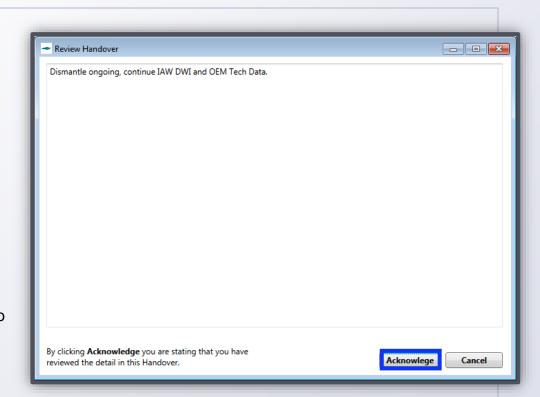
- Once the handover message is entered and saved, the operator who logs into the Router will see the **Review Handover** message button.
- Click Review Handover for the sign-off being currently completed.



Review the Handover message.

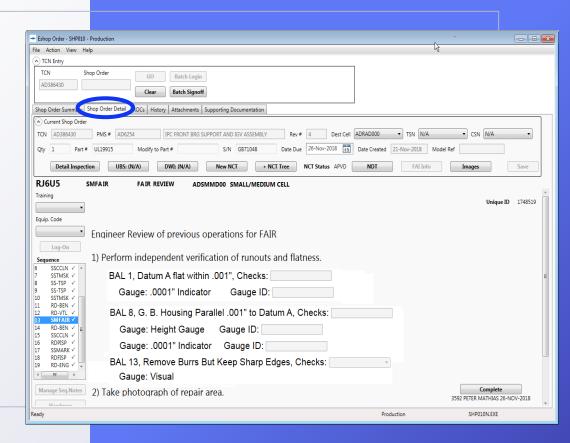
Click **Acknowledge** only after you completely understand the Handover message.

Back on the Shop Order Details page, all Review Handover buttons change to Sign-off Required. At this point, you can sign-off the job when operation is completed.



### **Approved Measurement System**

The Router calls out the appropriate measurement tool(s) to use when measuring parts.



## **Approved Measurement System**

#### DO:

- ✓ Use the equipment identified in the Router.
- ✓ Document the Gauge ID number.
- ✓ Verify your gauges have been calibrated.
- ✓ Contact your cell engineer if you have questions.
- ✓ Contact your cell engineer if you do not have the specified equipment.

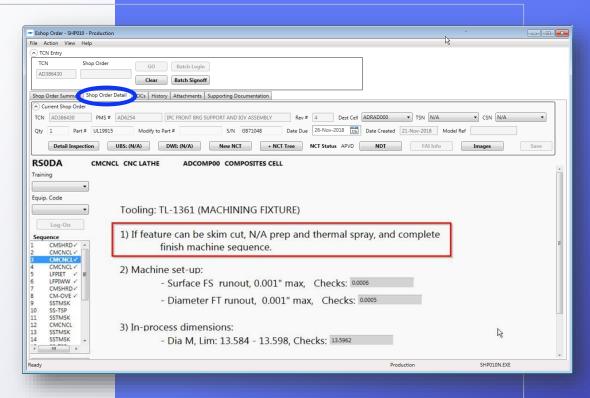
#### DO NOT:

- X Use unapproved equipment.
- X Use un-calibrated equipment (unless specified).
- X Take measurements using your machine DRO (unless approved).
- X Make substitutions for gauges "This must be close enough."
- X "N/A" or "N/R" the fields.

NOTE: Using an <u>unapproved</u> measurement system is equivalent to not measuring the feature at all. <u>It is not acceptable to use unapproved gauges</u>.

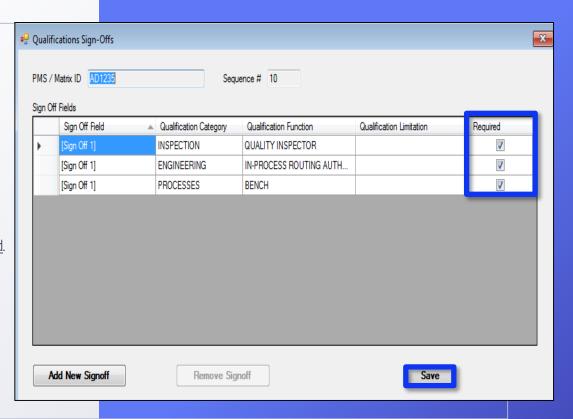
## **Machined to Size**

If you see parts that are able to be machined to size without the need for Thermal Spray repairs, N/R or N/A operation and DO NOT send to Thermal Spray.



## **Quick Tip**

Engineers: Routers configured for operators to N/A or N/R an operation must have the required box unchecked. If it is checked, the operator must be qualified to N/A or N/R the operation.



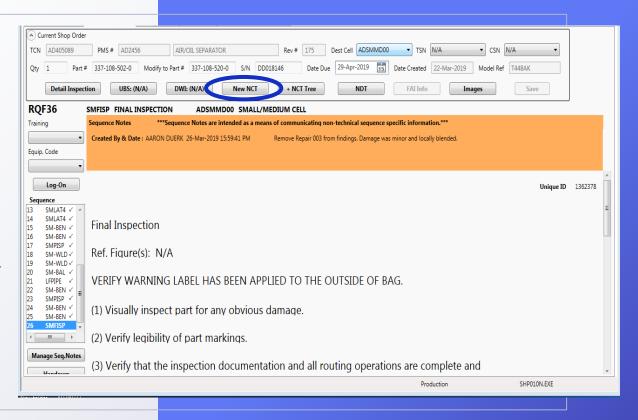
## **Work Directions**

Detailed directions on how to do the job. Work Instructions are followed to ensure consistency among products repaired. Work Instructions are sometimes called out on the Router, and start with a W, followed by a section number.

SSCCLN CHEMICAL CLEANING ADPLS000 PRODUCT LINE SERVICES CELL		
CLEAN		
<ol> <li>Mask all areas with thermal spray coatings, if any, per SP 70-18-01 prior to clean.</li> <li>Alkaline Clean per W 7.5.1-3 Sample Work Instruction</li> <li>Unmask thermal spray coating areas after part has been sufficiently cleaned.</li> </ol>		
Technician to N/A following steps that do not apply  Work		
Chemical Clean Qty Acc 1 Qty Rej 0	Directions	
Mechanical Clean Qty Acc 1 Qty Rej 0		

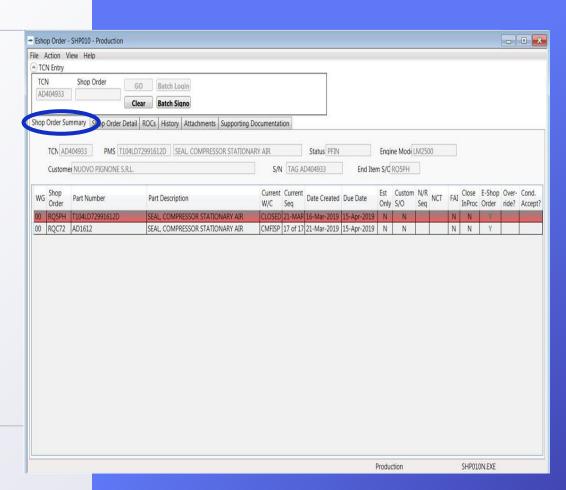
### **NCTs**

Better know as nonconformance tags. Used to document unserviceable, out of limits, or reworked parts. If you need to create an NCT, this is commonly done by inspectors and engineers. The first time making an NCT discuss with your cell manager to see if it needs to be done.



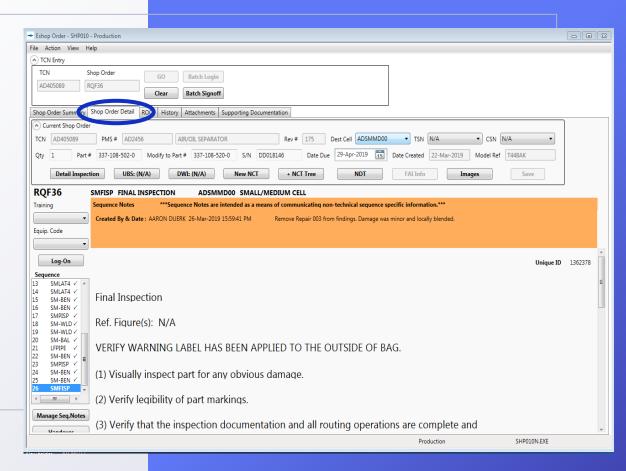
# **Shop Order Summary**

Shop Order Summary:
Communicates what has been done and what will happen to the part during Cycle 1 and Cycle 2. Also, serves as a reference for how to do your job.



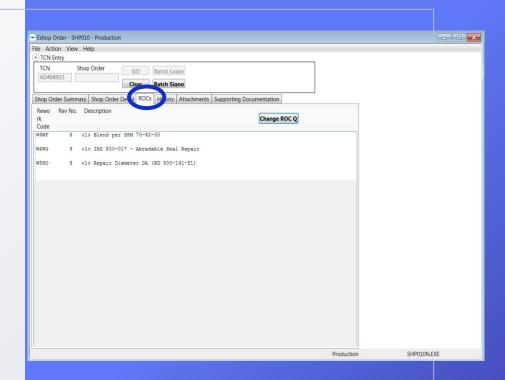
## **Shop Order Detail**

Communicatesinformation on Cycle 1and Cycle 2 Router.



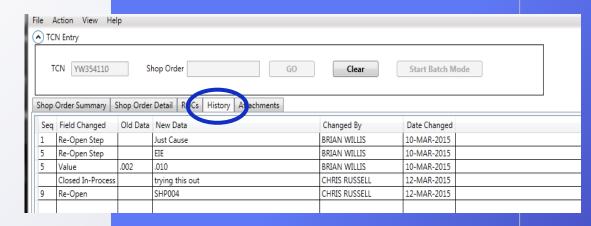
## **ROCs**

Repair codes called out by inspectors for how operators/technicians must repair part. Details the work scope for the part.



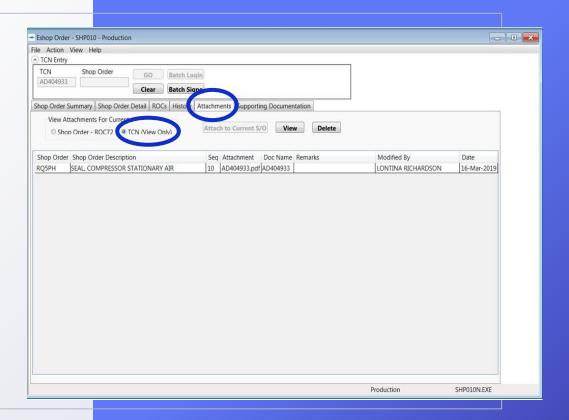
## **History**

Indicates changes or corrections made to the Router. For example, if a machinist enters the wrong dimension and s/he makes corrections, changes appear in the history tab.



## **Attachments**

Pertinent customer information and inspection / technician provided documentation concerning the part.



# **Attachment Tips**

Documents added to the Attachments section may include Original Purchase Order, CMM Report, Outside Vendor Report, Scanned Emails and any important information about the part.



# **Attachment Tips**

Machinists & Inspectors: Use CMM Report to verify measurements are accurate <u>before</u> cutting the part. The CMM Report should match your corresponding measurement. Always check CMM Reports for dimensional callouts, not just the average, but the highs and lows made by the CMM Department. If your measurement does not match the CMM Report, see an engineer.



# 8. Signing off a Router



## **Electronic Signature**

- Your electronic signature is an acknowledgement that you have completely finished a job sequence.
- The Router is a legal document and your signature is a legally binding contract with our customers and our government oversight agencies. You should only sign when you have done everything that the Router has directed you to perform. If you are unable to comply with a Router, you should immediately notify your manager, inspector or engineer.

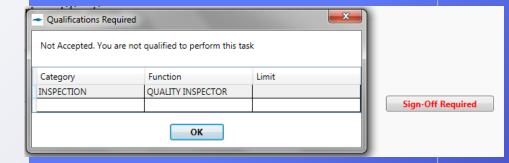


# You are not qualified!

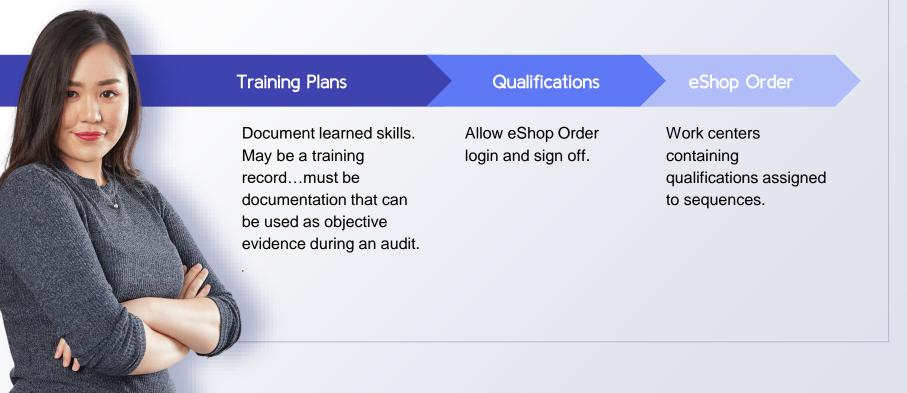


## **Not Qualified!**

- If you do not have an approved qualification, you will not be able to sign the item off.
- A window will pop up advising you which qualification is required to sign off that item.
- If this qualification is incorrect, please contact your Quality Department.

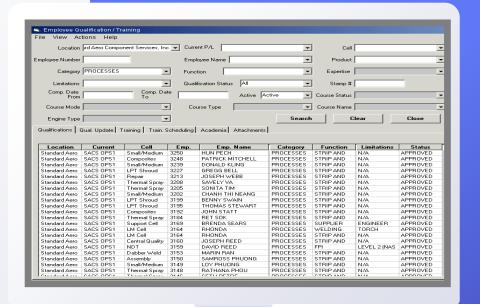


# **Three Step Process**



### **Qualifications Database**

- Houses all qualifications assigned to an employee.
- Qualifications allow employees to log in and log out of eShop order.



# 9. Part Protection





Carefully place part on shelf and place Packet underneath or on top of Part.



To prevent damage, make sure there is space between parts when placed on shelf.



For large parts, use proper hoisting procedures to place part on skid.



Use Pallet Jack to transfer parts to the proper location.



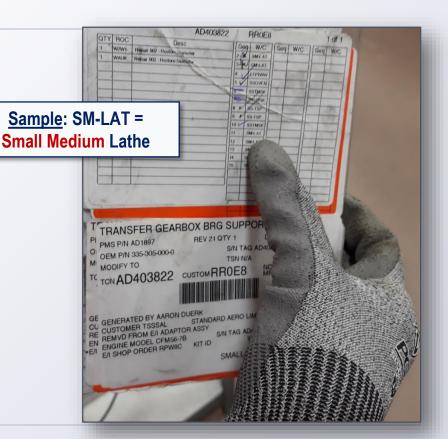
10. Transferring the Part



Use a Pallet Jack or Cart to prepare part(s) to be moved.



Locate the next available job sequence on the **Sticker** to determine where the part should go next. Completed **Work Centers** have a checkmark or one-line through.

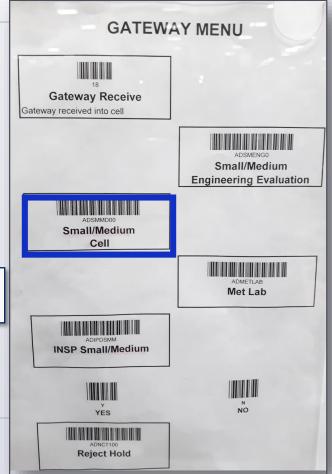


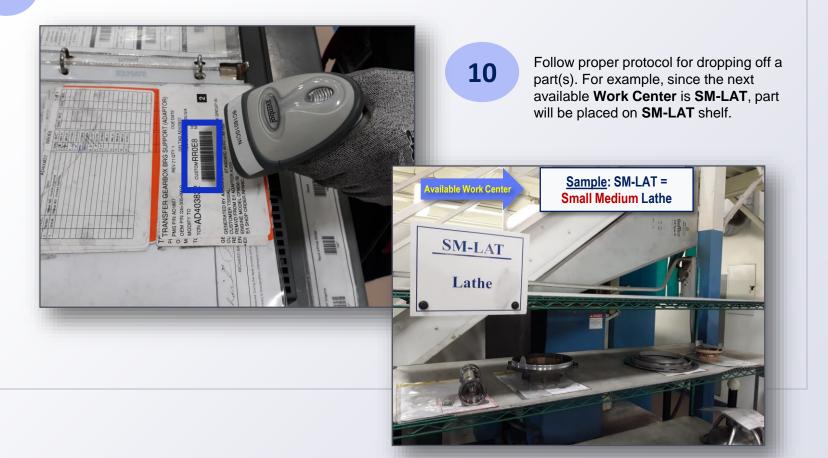
Find the **Work Center** that does <u>not</u> have a checkmark or one-line through. This is the **Work Center** where the part will be moving to next.

Using the Pallet Jack or Cart, take part(s) to the Gateway Station based on Work Center.



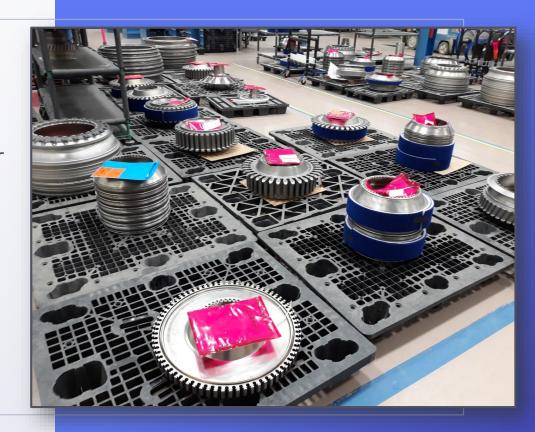
After locating the proper **Gateway Station**, verify available Work Center column on the Sticker matches Gateway Menu. AD403822 RR0E8 QTY ROC W/WI Repair 002 - Routors Dismotor BUAW Repair 002 - Restore Dumen SMEAT LIVER 10 SSTMSK SMILAT **Available Work Center** TRANSFER GEARBOX BRG SUPPOR Sample: SM-LAT = REV 21 QTY 1 PMS P/N AD1897 OEM P/N 335-305-000-0 **Small Medium Lathe** TSN N/A MODIFY TO TC TON AD403822 CUSTOM RROE8 GENERATED BY AARON DUERK STANDARD AERO LII CUSTOMER TSSSAL REMYD FROM EI ADAPTOR ASSY ENGINE MODEL CFM56-78
E/I SHOP ORDER RPW8C SMAL





## Part Handling Reminder

- Always place **one** part per skid.
- Absolutely:
- ~ No metal to metal contact!
- ~ No stacking parts!



# **Part Handling Tips**

- Using the Gateway Station to transfer a part does not mean you have successfully logged out of the job.
- If you complete the job and forget to log out, this hurts your utilization and efficiency, which are metrics used to determine how long it takes to repair a part, how quickly you are moving through the repair process, and how many parts you have completed in total.



# Handle Parts with care!



11. Understanding Expense Barcode Menu



## Logging out of jobs

- Clock out: You are at the end of your shift and are physically leaving the building.
- Log on to a different job: You have logged on to another Router / job sequence.
- Log on to Expense Barcode Menu: You are attending a meeting, training session, Continuous Improvement course, etc. Use the Expense Barcode Menu sheet located at every Gateway Station to log on to the appropriate category.



## **Expense Barcode Menu**

- Use the Expense Barcode Menu located at every Gateway Station to accurately track the hours that you are not logged in to a job.
- Always Scan appropriate category on Expense Barcode Menu when logging out of job.
- If you log on to a category on the Expense Barcode Menu, remember to log back on the job in eShop.



# Expense Barcode Categories

Category	Scan If You Are:
Material Handling	Moving parts, and/or waiting between sequences.
Continuous Improvement	In a CI Meeting, Kaizen Event, Participating in CI Presentations, CI Facilitation, shadow boarding & cell organization.
Non-Production	Starting your day.
Maintenance	Calibrating tools/equipment, doing blast media change-outs, general equipment maintenance.
Quality	Doing second source validation, BOM updates, PMS routings, Manual Updates, S/O Updates, raise custom S/O.
Meetings	Attending Bi-weekly Cell meetings, Safety Meetings, CAR Meetings, Stand-up Meetings.
Indirect Technicians	Engaging in Acting Cell Leader Activities, Back-up Cell Leader Activities, Timesheet Maintenance.
Tooling	Tooling maintenance & cleaning.
Training	Enrolled in Internal/External Courses, Continuation Training, Apprenticeship Program.
Team Building	Teambuilding, trading places, and/or taking the EOC Survey.
Repair Development	Involved in new repair development tooling, trials, and project meetings.
Production Planning	Kitting, Production Planning, Part Tracking, and/or Inducting and Completing.
5S/Housekeeping	Applying lean principles to shop floor.

# Glossary



#### Part Name

Description and name of the part.

#### **Rev Number**

How many times the Router has been revised by the engineer..

#### Quantity

The total number of parts received.

#### **PMS Part Number**

The number that engineers use that have associated ROCs. The Router is associated with that number and reflect engine type.

#### **Due Date**

Expected due date.

#### OEM P/N

The part number that's located on the part.

#### Serial number

Located on the part.

#### **TSN**

Time Since New reflects the number of hours the part has been running.

#### Tag Number

Internal number indentified for the part if a serial number is not known.

#### **CSN**

Cycle Since New reflects the number of times the part has been installed in the aircraft during take off and landing.

#### **Modify To**

If customer agrees to change to part number, that number is added to the Sticker.

#### **TCN**

Task Control Number reflects the number assigned to the shop order.

#### **Shop Order**

Unique code to log into the Router to access the work instructions and work sequences. If a custom shop order have an N it means NCT.

#### Remove From

Description of the part itself what it was and whether or not the part has been on an higher assembly.

#### Barcode

Scan to access the Router.

#### **Engine Model**

Provides the engine type.

#### Generated by

Customer name/information.

# Parent Cell & Creation Date

Cell that owns the part and the date that the Router was created.

#### Router

Database that holds work directions for each job sequence or operation. Routers must be followed to ensure consistency amoung products repaired and to ensure we are in compliance with regulatory requirements.

#### Cycle 1

Incoming clean from receving thru incoming inspection.

#### Sequences

Each operation divided by work centers.

#### Cycle 2

Repair process.

#### **Work Center**

The physical location of where the work is supposed to be done and the associated qualifications.

#### Check Mark

Signify that the operation has been completed without having to open up the Router itself.

## eShop concepts

#### Router/Shop Order

Database that holds work directions for each job sequence or operation.

#### Barcode

Scan the Router Sticker barcode to access Shop Order(Router).

#### **Images**

As soon as you are in the Router, the Sequence Images automatically displays. Toggle to Shop Order and you will see all images associated with the Router.

#### Sequence Notes

Useful notes to relay additional information for the operation by engineering and inspection.

#### **Work Directions**

Detailed directions on how to do the job.

#### Electronic Signature

Electronic signature is an acknowledgement that you have completely finished a job sequence.

# eShop concepts

#### Handover

Used to leave detailed instruction for the next operator or technicians about an incomplete sequence.

#### NCT/Engineering Eval

Used to log nonconformances found on part during repair.

#### Batch log in

Feature that allows you to log onto multiple jobs if you have numerous parts.

#### Not Qualified

Error message prompting technician that they cannot sign off a job.

#### Gateway

Transfer Parts through the shop.

#### Qualifications

Provides access to log on and sign off eShop Order

# Thanks!

### Any questions?

You can email us at <a href="mailto:talya.flowers@standardaero.com">talya.flowers@standardaero.com</a> or douglas.marine@standardaero.com



