Phase 1

See next pages for rules

Single value change name to Primary Affected Brand, add a second field that is additional brands affected
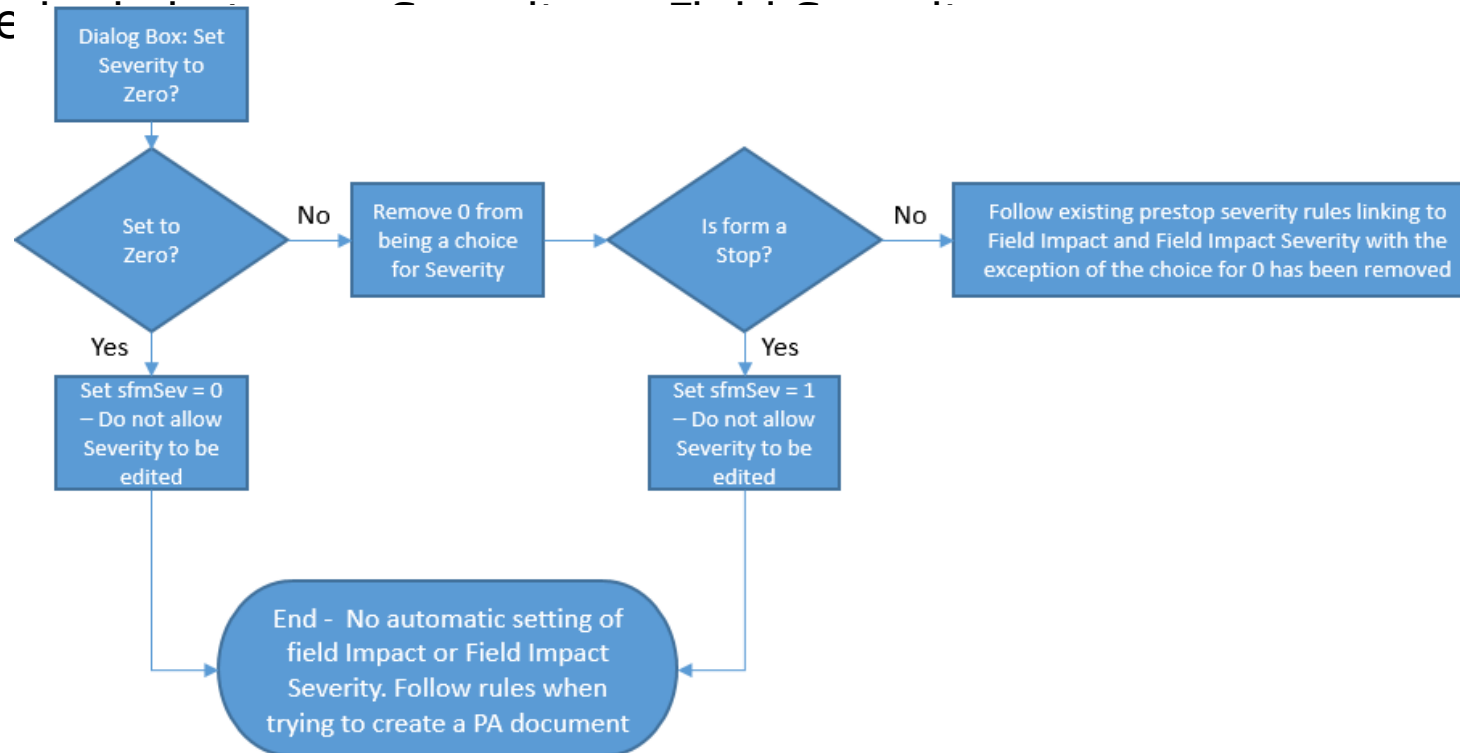
severity field rules

1) The default value for the severity should be "U" if no selection is made

2) Add a new value "P" to be used to indicate that the severity level is pending an evaluation.

3) If "P" is selected, then open a text field called Pending Description (200 characters, text only). This field is mandatory if P is selected.

Change the Severity setting to follow the following logic

1) If the form is set to STOP SHIP, then force the severity level to 1 and make the field non-editable

2) If the form is set to Prestop, the Severity field is editable. If the value selected is 1, 2 or 3, set Field Impact to Y and Field Impact Severity to the same number as Severity. If Field Impact severity is set to 1, 2 or 3, then set the severity level to the same number. Both fields need to be in sync if either is set to 1, 2 or 3.

3) If PA is launched, check severity. If severity is set to P or U, then do not allow PA document to be launched. Provide message that PA cannot be launched if Severity is P or U.

4) If main form is being closed, check Severity level – do not close if severity is P or U. Provide message that PA cannot be

Severity	Field Impact	Field Impact Severity
1	Y	1
2	Y	2
3	Y	3
4	N	
5	N	
0	N	
P	N	
U	N	

1) When a New Document is created, have a pop up window with the Message: "Is this an anti-smoke incident?" with a Yes/No Choice.
2) If No, then close the dialog box, do not allow 0 to be chosen as a severity and continue with the current logic from CR 76.
3) If yes, do the following
    1) If this is a Stop form, set the severity to Zero and do not allow it to be edited. Make sure the logic between Field Severity and Severity to be decoupled. This means the logic that forces all Stops to Severity 1 needs to be changed. If Servity zero chosen, set Severity to Zero. Otherwise set Severity to 1.
    2) If Prestop or tracking, force severity to zero, make the severity non-editable and decouple the

Dialog Box: Set Severity to Zero?

Set to Zero?

No → Remove 0 from being a choice for Severity

Is form a Stop?

No → Follow existing prestop severity rules linking to Field Impact and Field Impact Severity with the exception of the choice for 0 has been removed

Yes
Set sfmSev = 0 – Do not allow Severity to be edited

Yes
Set sfmSev = 1 – Do not allow Severity to be edited

End - No automatic setting of field Impact or Field Impact Severity. Follow rules when trying to create a PA document

*Safety Problem: ○ Yes ○ No

*Affected Manufacturing Sites: ▼

Problem Summary

Convert to action tracker

Key Corrective Action	Responsible Person	Target Date	Status	Link
	Notes ID.e.g:XXX/China/IBM ▼	16		
	Notes ID.e.g:XXX/China/IBM ▼	16		
	Notes ID.e.g:XXX/China/IBM ▼	16		
	Notes ID.e.g:XXX/China/IBM ▼	16		
	Notes ID.e.g:XXX/China/IBM ▼	16		
	Notes ID.e.g:XXX/China/IBM ▼	16		
	Notes ID.e.g:XXX/China/IBM ▼	16		
	Notes ID.e.g:XXX/China/IBM ▼	16		
	Notes ID.e.g:XXX/China/IBM ▼	16		
	Notes ID.e.g:XXX/China/IBM ▼	16		

Not Required

Manufacturing locations that are affected

Vendor assemblies		Early Build	
parts cribs		Fab Build	
Warehouse Stock		Fab Test	
F-Kits		Final Build	
M.E.S. Loose parts		Test	
M.E.S. Assemblies		Clean and Claim	
Code "A"		Ship Group	
Quick Ship		Shipping	
SDI		CSC	
OEM			

New Function, Capture meeting minutes, including date and store it in table. In form, display the latest minutes, option to view other meeting minutes. Button to push latest meeting minutes to team members

Update Status

*Status

Update Manufacturing Direction

Manufacturing Direction

Move to Mfg Impact page

Attachment field

Discovery Location
Where was the issue discovered

Areas of Impact
Client Impact   ○ Y ○ N
IBM Fulfillment Manufacturing Impact   ○ Y ○ N
Supplier WIP Impact   ○ Y ○ N
FRU Field spares Impact   ○ Y ○ N
Pre-GA Impact   ○ Y ○ N

Root Cause

Details

Not Required on Stop form – only CRB

| Summary/Status | Other Data | Field Actions | Owners/Contacts | Product Affected | History |

Reference:	▼	Source of issue:	▼	Requestor:	▼
Number of orders missed:		Working days open:	1		
Working Days to Owner Accept:		Working days Owner Accept to Close:	0		
Business Impact Link:		Induced Cost Link:			
Preventative Action link:		Pervasive Issue Link:			

Not Required

Manufacturing Actions

Mfg Impact	Y	N
Mfg Inventory Sorted and Cleaned	Y	N
Supply Impact	Y	N
Mfg Direction	[text field]	

| Summary/Status | Other Data | Field Actions | Owners/Contacts | Product Affected | History |

Field Actions

Field Impact

◉ Y ○ N

Field Impact Severity

⌐ ⌐
⌐ ▾ | Help |

Field Install Base Actions

○ Y ○ N

Field Install Base Actions Detail

⌐ ⌐
ECA#

⌐ ⌐

Field Spare Roll - (Ex: Special actions for FRU's, ETN's, or CSP's)

○ Y ○ N

Field Spare Roll Detail

⌐ ⌐
Distribution Stock Action (DSA#)

⌐ ⌐
CSAL#

⌐ ⌐

Only visible when Field Impact is Yes

Make Mandatory w NA option.
New Supplier function

New Supplier Loc function

Issue Owner
Issue Owner
Executive Issue Owner Mgr

System Assurance

| Summary/Status | Other Data | Field Actions | Owners/Contacts | Product Affected | History |

		Area	Representative
*Primary Owning Organization	▾	Mfg.	Notes ID.e.g:XXX/China/IBM ▾
Additional Owning Organizations	▾	Quality Engr (QE)	Notes ID.e.g:XXX/China/IBM ▾
Supplier	▾	Source	Notes ID.e.g:XXX/China/IBM ▾
		Development	Notes ID.e.g:XXX/China/IBM ▾
Supplier Location	▾	Comm. Mgr (OCM)	Notes ID.e.g:XXX/China/IBM ▾
Sub tier supplier	▾	Procurement Quality Engr (PQE)	Notes ID.e.g:XXX/China/IBM ▾
		Product Engr (PE)	Notes ID.e.g:XXX/China/IBM ▾
Sub tier supplier Location	▾	Mfg Engr (ME)	Notes ID.e.g:XXX/China/IBM ▾
		Order Dept.	Notes ID.e.g:XXX/China/IBM ▾
*Design Origin	▾	Brand	Notes ID.e.g:XXX/China/IBM ▾
*SSC	Paul Zulpa/Fishkill/IBM ▾	Field	Notes ID.e.g:XXX/China/IBM ▾
*Problem Owner	Notes ID.e.g:XXX/China/IBM ▾	Safety	Notes ID.e.g:XXX/China/IBM ▾
*PO's First Line Manager	Notes ID.e.g:XXX/China/IBM ▾	Program Mgr (GCM)	Notes ID.e.g:XXX/China/IBM ▾
*Executive Problem Owner	Notes ID.e.g:XXX/China/IBM ▾	Instructions Team	Notes ID.e.g:XXX/China/IBM ▾
		STG Quality	Notes ID.e.g:XXX/China/IBM ▾
		Project Office	Notes ID.e.g:XXX/China/IBM ▾
		Test Eng	Notes ID.e.g:XXX/China/IBM ▾
		Supplier	Notes ID.e.g:XXX/China/IBM ▾
		Dev Test	Notes ID.e.g:XXX/China/IBM ▾

Input 1 row at a

Input Area	Input Representative	Add Additional member

Needs Invention

Product Affected

Row #	*IBM P/N	Part # Code Name	*Commodity [Help]	*MT/M	*Brand	Machine Code Name	FRU P/N	ASM	FFBM P/N	Feature Code
1			▼	Populate MTM/Brand/Mach Code Name						
2			▼	Populate MTM/Brand/Mach Code Name						
3			▼	Populate MTM/Brand/Mach Code Name						
4			▼	Populate MTM/Brand/Mach Code Name						
5			▼	Populate MTM/Brand/Mach Code Name						
6			▼	Populate MTM/Brand/Mach Code Name						
7			▼	Populate MTM/Brand/Mach Code Name						
8			▼	Populate MTM/Brand/Mach Code Name						

mbine MT and Model into one

Brand – you already selected brand at the beginning

ou pick programs, filter MTM
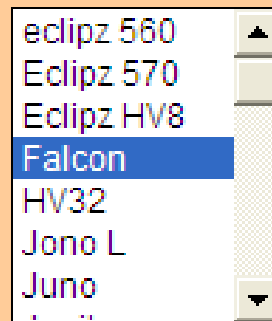
ow multi selection – right click, select all
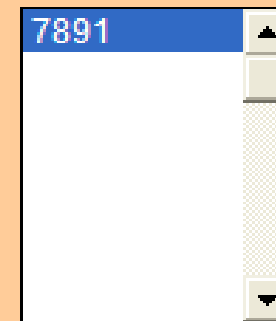
MTM Selection Example
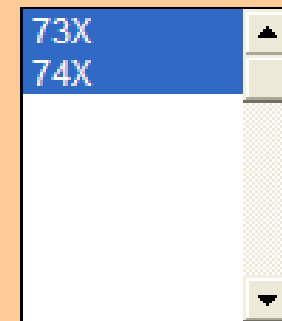
Select Brand	Select Program	Select Machine Type	Select Machine Model
eSeries	eclipz 560	7891	73X
iSeries	Eclipz 570		74X
pSeries	Eclipz HV8		
RSS	Falcon		
Storage	HV32		
xSeries	Jono L		
zSeries	Juno		

Brand	Program Name	MTM
eSeries	Falcon	7891-73X
eSeries	Falcon	7891-74X

PN Selection

PN Selection not tied to MTM
Input PN – look up key info on PN (description, commodity, etc)
PNs need to be individual – not concatenated
Need dummy PNs
Mandatory field

When the issue being worked as a stop or prestop is a FW issue, the team has to dummy up the "IBM P/N" field since there is no IBM P/N associated with the FW. Is there a way we can create a character string, representing FW, that would be accepted in the "IBM P/N" field such that dummy P/N's would not have to be entered. As an example "IBMCODE". Needs to cover "Software" or Firmware" "BOM Error" and "Certification" and other non-IBM PN issue

PA Form

Preventive Issue

*IBM Confidential

Notes Doc URL counter #5four digit counter #000502/24/2017
yrcreated2017fromStopShip⌐1⌐cfrmOwnerCN Roy Bhardwaj
DelAssigned NagOn: ⌐⌐ ActionBlank: ⌐⌐ ReClosedDate: ⌐⌐
SavedClosureDate: PAorPI: PA UniqueNumber: PZUA-AJVAKB
submitDateChange:ProposedDateChange:
noFlow ⌐⌐ IsNew Y2IsActive

Parent Number / Link:	2017-PS-0005 /	Stop Ship Type:	Prestop Ship
Form Number:	2017-PA-0005-002	Date Opened:	2017-02-24
Status:	Open		
Title:	Desiccant in z13 AMAs		
Brand:	System z		
Severity level:	4 [Help]		
Pre-GA or Post GA:	Post GA		

SSC/Admin	⌐Mike Doscher/San Jose/IBM⌐ ▾
Problem Owner:	⌐Roy Bhardwaj/Poughkeepsie/IBM⌐ ▾
PO's First Line Manager:	⌐Randall J Werner/Fishkill/IBM⌐ ▾
Executive Problem Owner:	⌐Jason S Miller/Fishkill/IBM⌐ ▾
Executive Problem Owner Delegate (optional):	⌐⌐ ▾

Not Required (Same as main form)

Need Acceptance Process

When starting CRB, ask if Problem Owner same as issue owner. If same, copy over, if not, user needs to input

Preventive Action Plan Section

Safety Problem: ○ Yes ● No

Affected Manufacturing Sites: ⌜Poughkeepsie, Singapore⌟ ▼

Problem Summary
⌜ ⌟

REF Problem Summary: ⌜Multiple incidents in Pok and SGP Mfg, where desiccant bags that were shipped inside Air Moving Ass'ys, coming from the supplier, were not removed during Ass'y of the z13 machine. Upon power up in System Test, the air current induced by the CEC Drawer blowers pulled the desiccant into the rotating blades, shredding the bag, and sending loose granulated desiccant into the system.⌟

Not Required (Same as main form)

Timeline / Chronology (earliest indicator actions leading to pre/stop ship initiation)
⌜ ⌟

Impact Areas / Containment Actions

Impact Area	Containment Action
Supplier WIP	⌜ ⌟
Contract Mfg WIP	⌜ ⌟
IBM WIP	⌜ ⌟
IBM Finished Goods	⌜ ⌟
FRU/Field Spares	⌜ ⌟
Shipped but Uninstalled	⌜ ⌟
Shipped and Installed	⌜ ⌟

Root Cause
⌜SC Manufacturing Induced⌟ ▼

Detail

⌜During A-Frame A-Char ass'y, Mfg Operator(s) did not realize that they failed to remove the desiccant bag from the AMAs.⌟

Short Term / Long Term Preventive Actions (improve detection, prevent recurrence)

Short Term	
Long Term	

CRB Action Tracker

Processes, Documents and EC Changes made

	Name or Number	Changed by	Date
Processes			16
Documents			16
EC			16

Financial Recovery Recommended

Other brands applicability for PA

Attachments

Proposed Close Date

2017-04-11   16

Not Required

Preventive Action Awareness

Reviewer   Jason S Miller/Fishkill/IBM

CRB Summary

CRB Action Tracker

Last updated by on

PO submitted? ⌐⌐	PO Approved? ⌐⌐	⌐⌐
Review #1 submitted? ⌐⌐	Review #1 Approved? ⌐⌐	⌐⌐
Approval #1 submitted? ⌐⌐	Approval #1 Approved? ⌐⌐	⌐⌐
Approval #2 submitted? ⌐⌐	Approval #2 Approved? ⌐⌐	⌐⌐

Not Required

Next Steps

- Identify host server – immediate testing in x86 w RH Linux and follow-up testing with Power Systems w RH Linux.
- Install software and test
- Set up data dictionary – include field logic
- Architecture for data back end
  - Proposed UML drawing
  - Data dictionary
- Architecture for System
  - Systems reference architecture document
    - 1st choice is Power w AIX – not possible so need to move down the choice list
    - 2nd choice – running Power systems w Redhat Linux
    - 3rd choice is x86 with RH Linux
    - 4th choice is Bluehost SL with Bluemix

Focus Sections for Stop Ship portion of QIT

- Break the form into sections
    1. Header – title, Type of document, date tracking - Rey
    2. Summary Status including Meeting minutes function - Rey
    3. Action Tracker -Rey
    4. Owner and team - Rey
    5. Mfg Impact - Rey
    6. Field Impact - Rey
    7. PN, MTM - Ira
    8. PA – sub divisions in PA -Ira
    9. Grouper Function – Ira
    10. Infrastructure – Ira
    11. User Interface – Rey/Ira

Tracker Function

- Needs to cover different processes
    - Stop/Prestop, PA, Incident, etc.
- Needs to tie back to incident number
- Needs to contain action, action type (Corrective action, Preventative action, Containment, CRB Follow-up etc.), responsible person, date due, status, status date, results.
- Notifications to assigned responsible person + nag notes on action due, action late. Needs to include link to access action item from note. Ability to escalate manually
- Review of response by SSC/CRB Chair/Incident Owner – approve or send back to action owner for additional action. Need ability to include comment by SSC/CRB Chair/Incident Owner explaining why reopened. For PA process, explicit approval (press button to approve and must be done before closing PA). For others – implicit approval – no need to click button.
    - For PA, owner cannot close item – only done by CRB team. For others, Owner can close but SSC/Incident owner has ability to reopen it.
- Ability to upload list of actions by spreadsheet
- Who can create – SSC for PS/S; Incident Owner for Incidents, PA prob owner for PA Process, CRB team for CRB Follow-up

Agenda Function for TECH OP, QIR, CRB

- Click a button and tag the document to be part of agenda
  - Tags to put it in special section (brand/data silo - Mfg for QIR, etc)
- Capture the data for that meeting
- Allow the data to be displayed for a selected date
  - 2 data elements for 2/1 and 2/8.

Grouper Function

- Several items need to addressed by Grouper
  - Link multiple QIR/Tech Ops dates to document and ability to display chosen data
  - Link like incidents into a possible Stop/Prestop – join these into one document, master document controls the incident documents
  - Link like PS/S into a Pervasive Issue – more like tagging to link like PS/S to each other
  - Link tracker items to appropriate originating process/incident
  - Attributes tied to the originating process point
    - MTM A introduced at incident, MTM B introduced during PS/S