# Ändringshantering på Ecolean



# **Ecolean Group**





## **Ecolean Group**

- Develops, manufactures and markets the Ecolean packaging concept
- Founded in Feb, 1996
- Headquarters in Helsingborg, Sweden
- 260 employees 160 of these in Sweden
- Commercial activities in 30 countries



#### The complete solution

- Packaging material
- Filling machines
- Downstream equipment
- Service and technical support









#### Convenience in the hands of a consumer



• Easy to open



Easy to grip and easy to pour (smart air-filled handle)



Easy to empty

# Filling Machines

EL1EP1 and EL2EP2

Aseptic Machines EL3 and EL4



# Improvement List

	IL befor	e meetii	ng 090	414															0
1	Α	В	C	D	Е	F	G	Н		J	K	L	M	N	0	Р	Q	R	S
2	No	Issuer	Date	Machine	Туре	List	Pos	Part no		Machine number, e.g. P1, E1, P2, 349		Status	Ë	Deadline	Resp	Done	ECN	S Bull	
1	_	٧	-	¥	*	₹.	¥	<u></u>	Description	*	Comment	▼	¥	<b>*</b>	*	¥	₹	<b>Y</b>	
839	838	PSU	2008-11-13	EL1 & EL2	Filling			80003-005	Flexible coupling in filler breaking despite correct mounting.		To be included in the ongoing revision of the filling system.	Active			ASd				
									•										
840	839	JLO	2008-12-02	EI	Filling			2010243, 2012363	Clamp rubers is wrong in p-kits for the machines- EL1 1001, 1002, 1006. P-kit contians old rubers (2009489)		Check where the info is wrong, correct, RO?	Closed			JWC	Yes	2677		
841	840	OSE	2008-12-05	E12	Unwinding	C-2006967	100, 110, 120, 200, 210		Pos. Numbers on the drawing does not match the list. Concerns all EL2 machines (-100, -200 and -300)		Problem found in IDS. Check in IFS, correct where/if necessary, make new SPC for distribution through IDS, RO?	Active			ASA				
842	841	JWE	2008-12-09	EL1 & EL2	Aux Eq				Photocell 80021-046, WT4-2N331 is replaced with an equivalent Photocell 80030-034, WTB4-3N3161 Uppdate IFS		Purchasing text to be changed! (Means that the same article will have two numbers)	Closed			JWE				

- Excel-dokument för uttag av nya ECN-nummer
- Status på ECN

ECN Numbers [Kompatibilitetsläge]								0 0
A	В	С	D	Е	F G	H I	J	K L
1 ECN Denomination	ECN No. ▼	RO/RK (kit)	Machine type (kit) ▼	SB/IDS notificati ▼	On going 🔻 🔻	Released 🔻 🔻	Finished •	▼ Sign ▼
1185 ECN no to IL #1861-1863 - RK i IFS/SPC; utredning av BAO+FNI	3245		EL1/EL2		Х			AMU
1186 ECN no to IL #1625+1977 - Topp-10-lista till manualerna. Troubleshooting-kap. TS-TD.	3246		EL1/EL2		X			AMU
1187 P-kit box for EP1 and EP2 / IL-1856 and IL 1857	3247		EL1/EL2		X	X		DWI
1188 Linear Actuator Supplier changed length +15.5mm 80031-001 IL 2172	3248		EL1		X			MSA
1189 Software update EL3 V7.0.0	3249	RO	EL3		X			JP
1190 Linear Motion Unit EL1/EL2 IL2176,2177	3250		EL1/EL2		X			MSA
1191 Holderplate EP1 shorter	3251		EP1		X	X	X	MPE
1192 EL1 / EL2 / RK ; IL-2091, IL-1737, IL-1598, IL-1599	3252		EL1/EL2		X			DWI
1193 New recipe handling EL2-30X and EL2-401 and EL2-402	3253		EL2		X	X	X	MJA

- Mappstruktur
- Varje ECN egen mapp

	Name	Date modified	Туре	Size
ECN 2302 Specification 2007-01-04 09:31 Microsoft Excel 97 54 KB	📗 Bill of Material	2007-09-07 21:37	File folder	
	Drawings	2007-09-07 21:37	File folder	
ECN 2302 2007-01-09 15:23 Microsoft Word 9 194 KB	ECN 2302 Specification	2007-01-04 09:31	Microsoft Excel 97	54 KB
	■ ECN 2302	2007-01-09 15:23	Microsoft Word 9	194 KB

<u>ecole</u>	an	ECN	- Protocol		
ECN publisher:	ECN	No:	IL No:	Date:	Revision:
Introduction:					
		DRM - Desig	gn review meeti	ing	
Design approv	red:	Responsible	2.	Revision:	
		1			
Attendees: Development: Technical Serv Machine Produ					
Downstream E					
Others:	7				
ECN solution	description:				
Comments/att	achments:				
Preliminary ti	me plan unti	TRM:			
Date/Time:	Activity:				
	•				
	1				

<u>ecolean</u>		ECN-Proto	col	
ECN publisher:	ECN No:	IL No:	D	ate: Revision:
Introduction:				
	TI	RM - Technical reviev	v meeting	
ECN-approved:  Date:		Responsible:	Revisio	n·
Date.		responsion.	11071010	***
Attendees: Development: Technical Service: Machine Production Downstream Equipm Others: ECN solution descri	iption:			
Machines concerned	d (type, num)	oer, etc.):		
Actions of measure:	:			
RO/RK-number:				
Other:				
Change introduced	in machine d	evelopment step / machin	e number:	

ecolean ECN-Protocol
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ECN publisher:	ECN No:	IL No:	Date:	Revision:
Introduction:				

#### Check List ECN:

Status	Activity	(	Comments	Done (date)	Responsible
	Desig	ın			
	Update ECN protocol				
	Update RO log				
	UpdateIFSatK				
	Drawingsreleased				
	Inform TD (Manuals)				
	Inform Production (IFS & P-kit)				
	Automa	tion		•	
	Update RO log				
	Updatesoftware	Type:			
	Up date electrical documentation				
	Release drawings				
	Update IFS at K				
	Inform TD / TS of software changes				
	Upload software to IDS				
	Technical doc	umentatio	n		
	Up date technical documentation	Type:			
	Distribute new documentation				
	Update product data sheet				
	Update CE-revision				
	Produc	tion			
	Update IFS at HMP				
	Update content of p-kit and spare part lists				
	Inform service stations regarding SP				
	Order RO-kits and other material				
	Inform TS when RO is available for distribution				
	All RO are distributed				
	Technical	Service			
	Inform service stations regarding changes				
	Handle Update reports and update RO log				
	Inform ECN-resp. when last RO is implemented	L			<u> </u>
	ECN CLOSED				

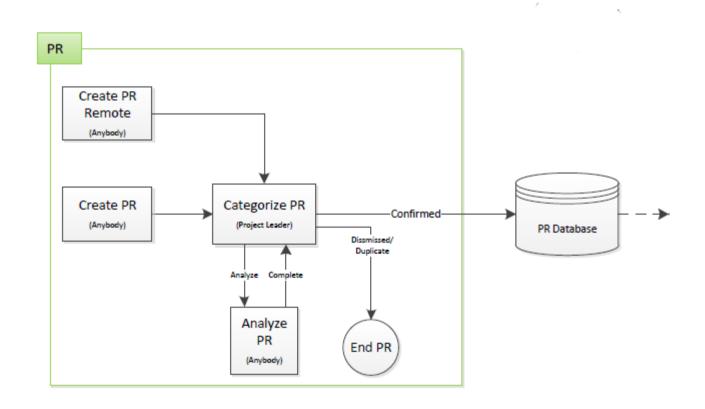
- : Not applicable 1 : To be done

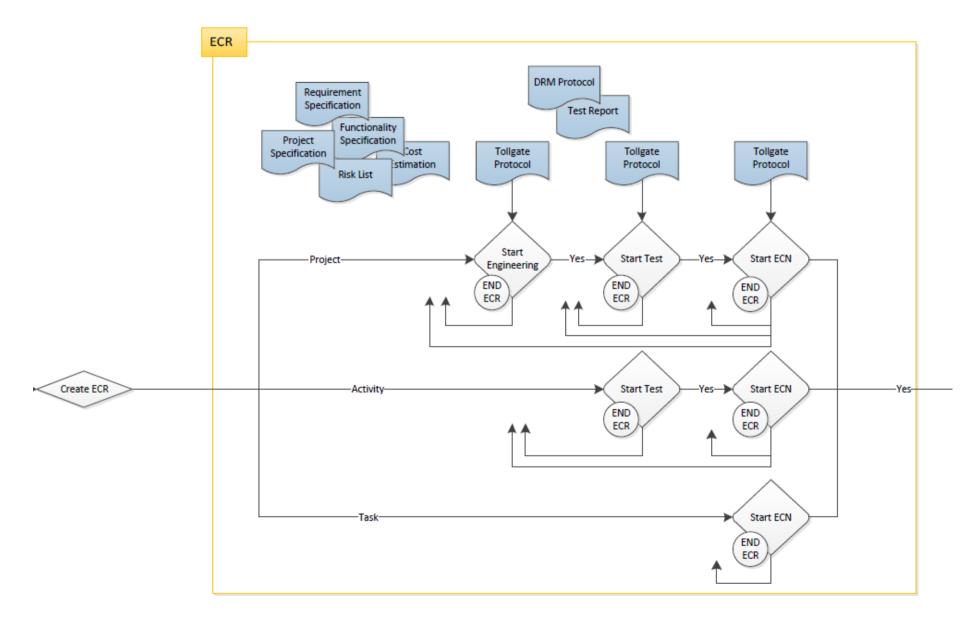
2 : Done

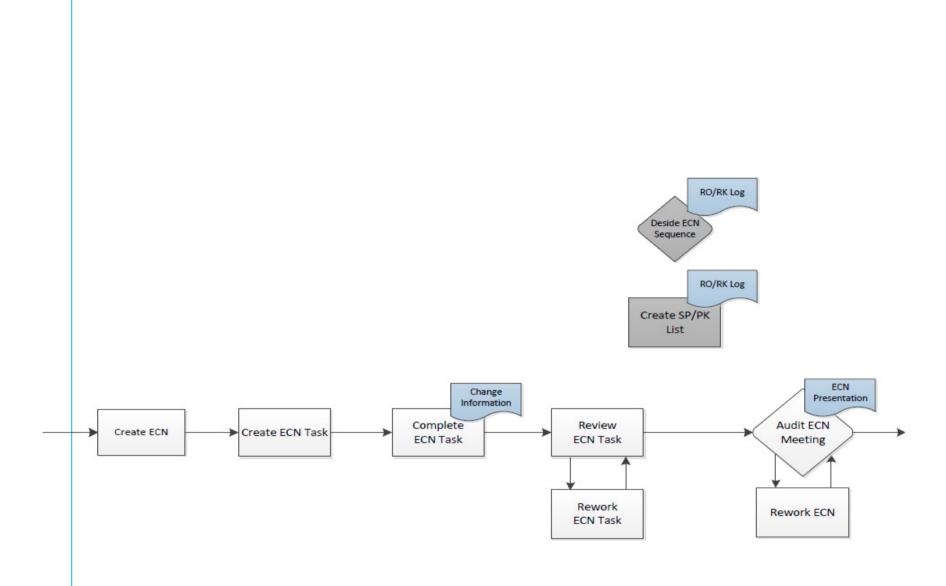
Actions for List No.:		Actions for Parts in Stock:
M = Modified	ECN Specification	U = Consume
INT = New	LON Opecification	M = Modify
R = Removed		S = Scrap

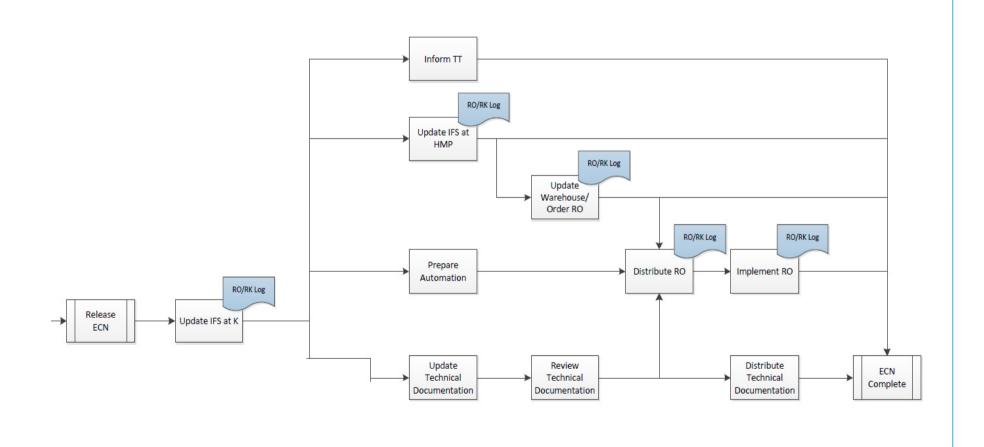
List No	Pos	Status	Drw No / Comp No	Denomination	Quantity	Note	Measure	Parts in stock	INT from machine No.	Rev.
										<u> </u>
										$oxed{oxed}$

# Problemrapporter

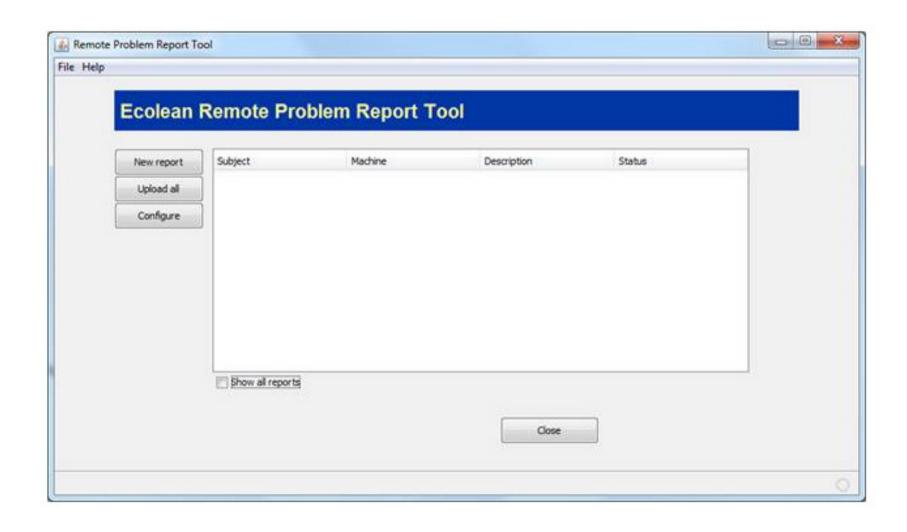


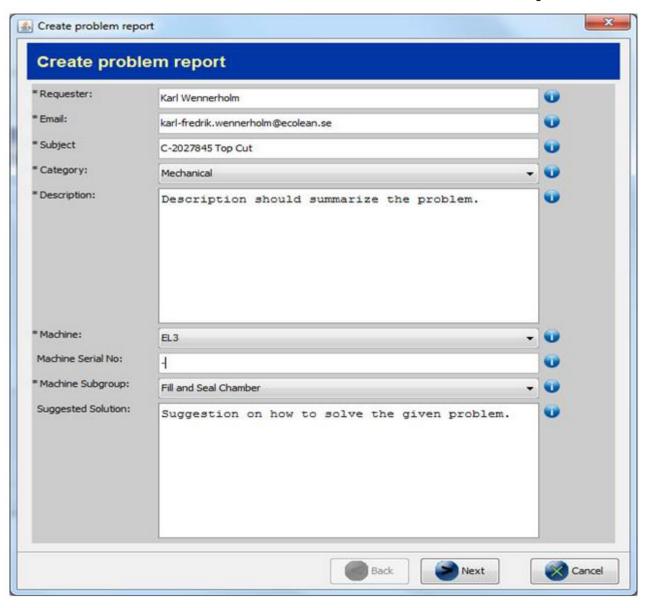


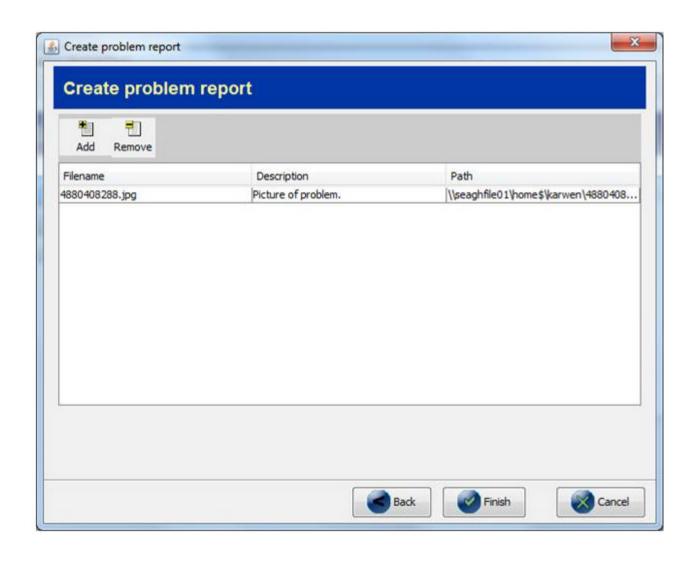


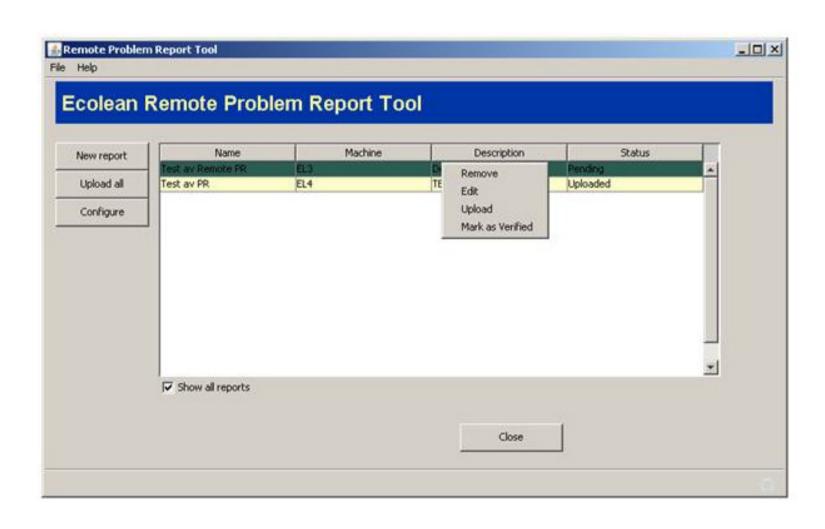


- Kunna rapportera problem varifrån som helst i världen
- Kunna rapportera när man står vid problemet
- Kunna bifoga bilder, filmer och dokument på problemet
- Skall inte behöva ha en PDMLink licens.
- Skall kunna fylla i de parametrar som fanns i gamla "Improvement List"

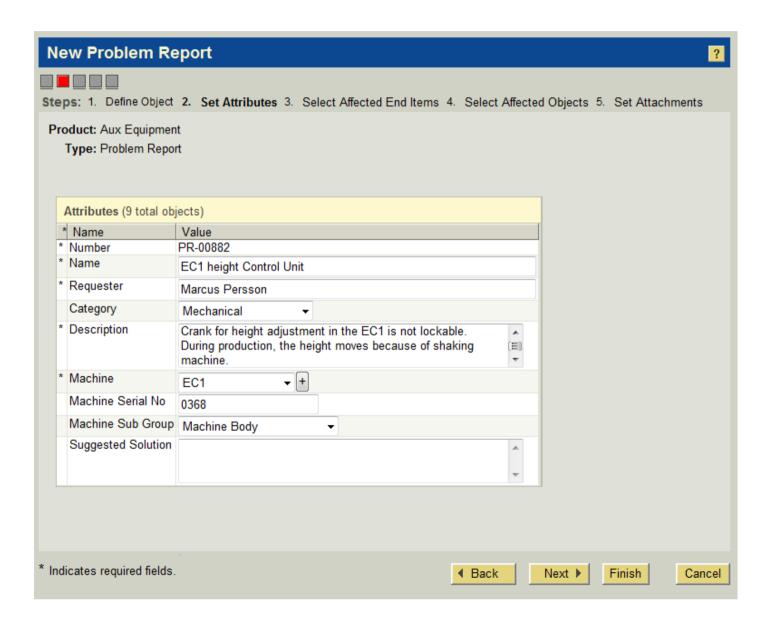






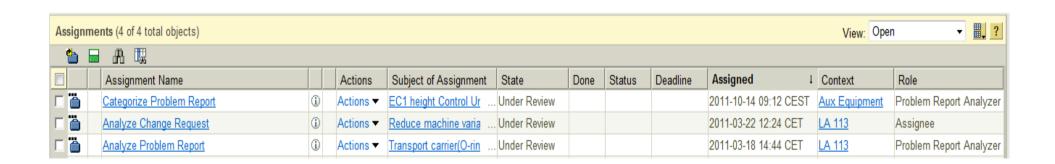


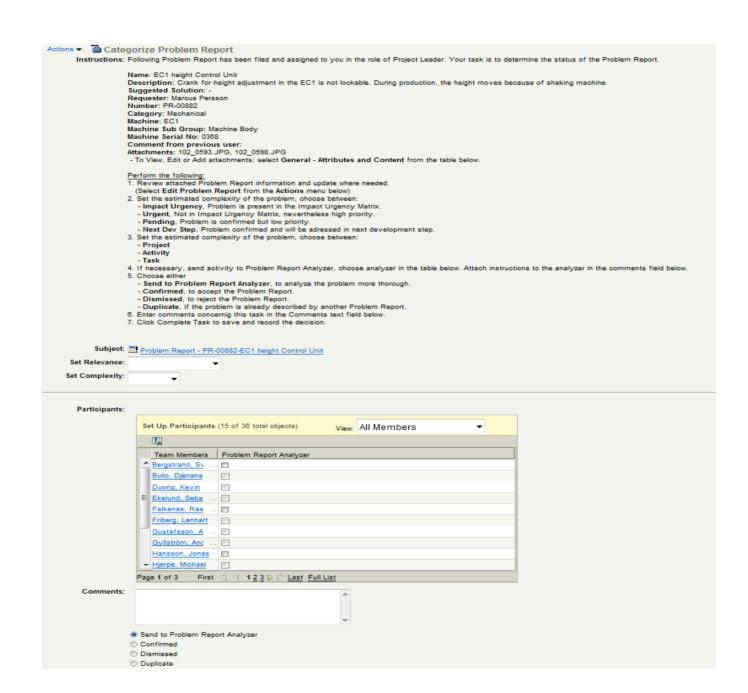
# Skapa PR i PDMLink



## Problemrapport

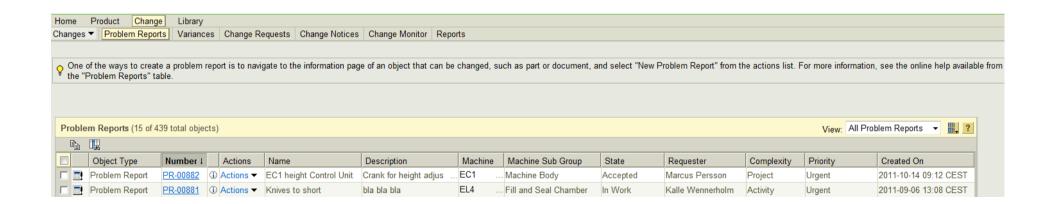
 Rätt projektledare får uppgiften att kategorisera och analysera om det är ett problem.

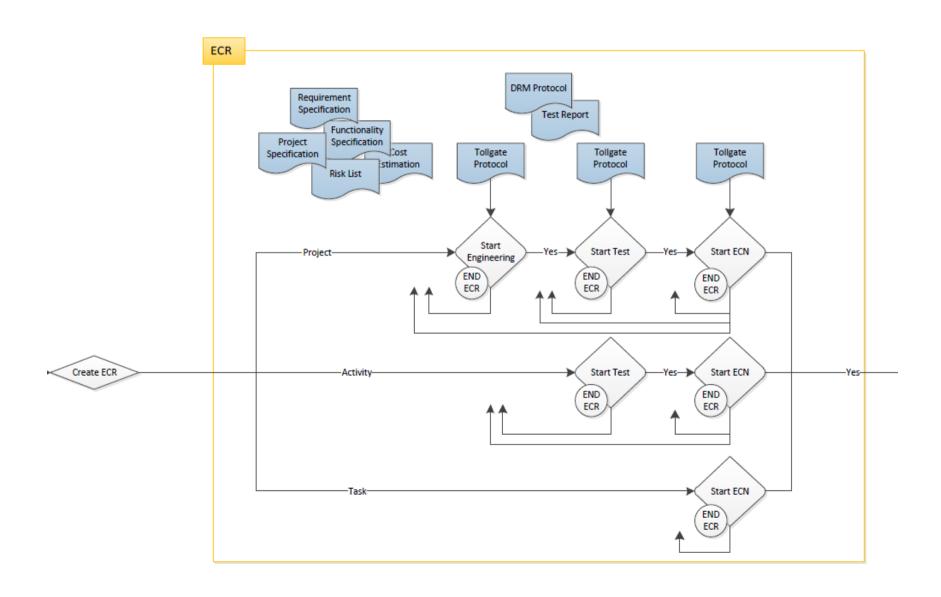


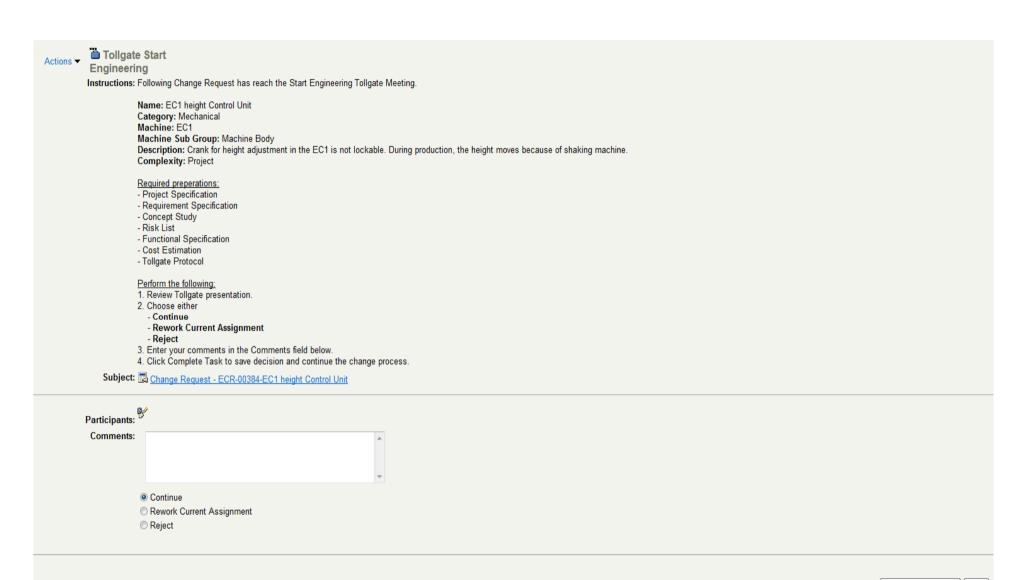


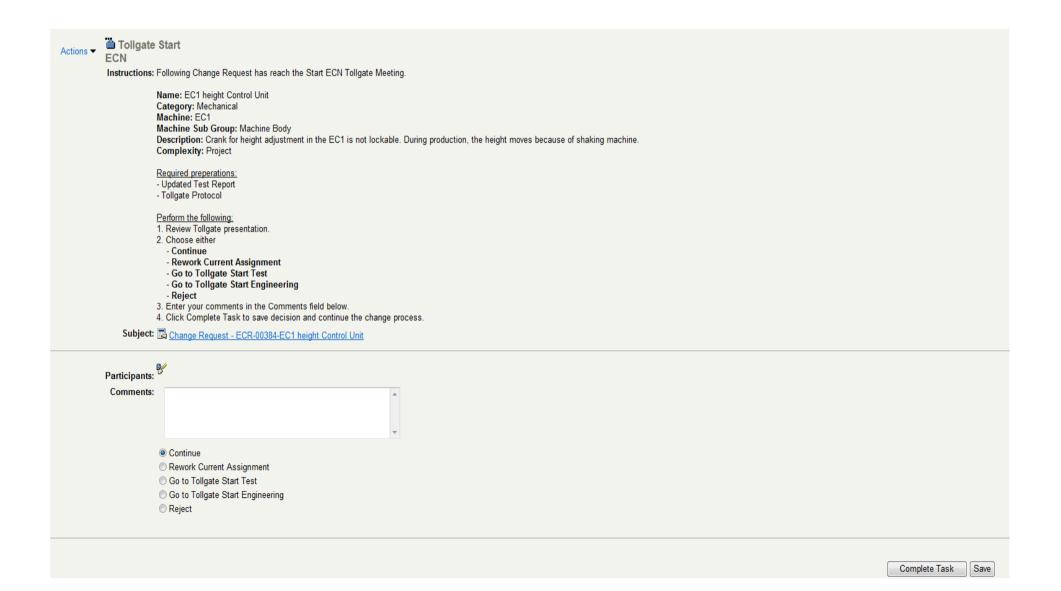
#### PR Database

- Olika sorteringsmöjligheter
- Skapa rapporter

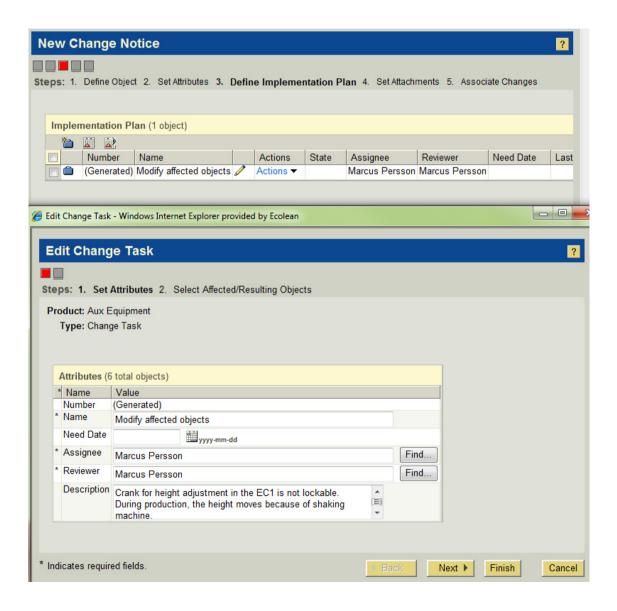




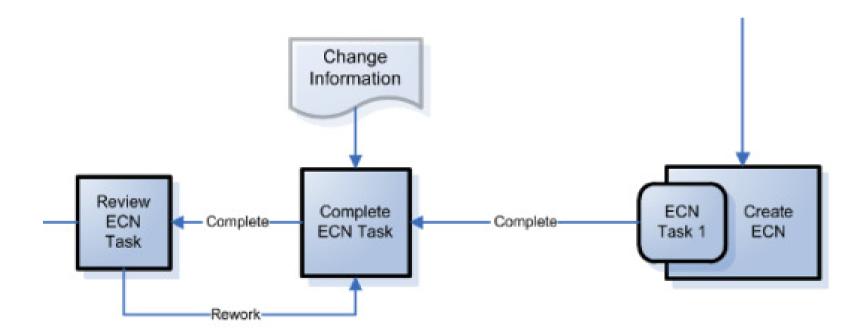




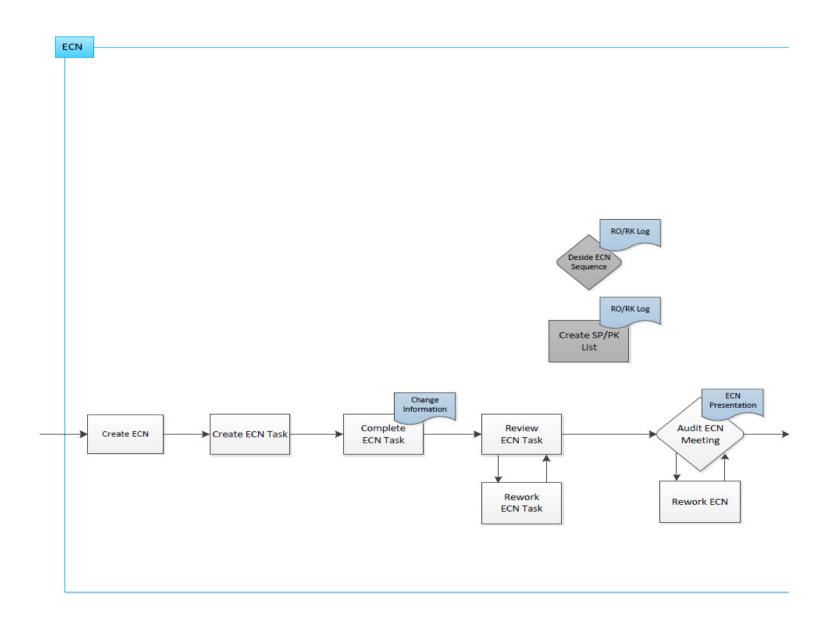
# Skapa ECN



## **ECN**



## **ECN**



Actions ▼	
Instructions:	The Change Task(s) of this ECN has been completed. Review the results and plan for further implementation of the change.
	ECN Number: ECN-05225  Name: EC1 height Control Unit  Description: Crank for height adjustment in the EC1 is not lockable. During production, the height moves because of shaking machine.  Machines: EC1  Machine Sub Group: Machine Body
	Perform the following:  1. Review the information associated to this ECN and associated Change Tasks.  - ECN-information  - ECN-attachments  - Change Task information  - Affected Objects and Disposition  - Resulting Objects and BOM-changes  2. Review the comments from the Reviewers  3. Update any information where needed  4. Plan for implementation of this ECN by filling out actions and responsibilities below.  For every action:  - Check tasks to be performed  - Choose responsible person to perform task  - Provide information necessary to fulfill the task
ECN Responsible	
Update IFS at K:	
Update P-Kit and Spare Part Lists:	
Update RO/RK log:	
Performed by:	The ECN Creator
Comments:	
Automation	
Prepare Software:	
Select Automation Engineer:	<b>▼</b>
Comments:	

Technical Documentation  Update SPC:  Update IM:  Update OM:  Update MM:  Update MB:  Update SM:		
Update SB: Create RG: Update PDS: Select Technical Writer: Comments:		
Purchasing  Update IFS at HMP:  Update RO/RK log:  Select Purchaser:  Comments:		
Warehouse and Spare Parts Inform Service Stations reg. SP: Order RO/RK: Gather RO/RK: Update RO/RK log: Select Warehouse/Spare Parts Admin: Comments:		
Technical Training Inform Technical Trainers: Select Technical Instructor: Comments:	□	

Technical Service  Implement RO:  Update RO/RK log:  Select Technical Service Manager:  Comments:	
Machine Production Implement RO (Inhouse):	
Update RO/RK log:	
Select Production Manager:	•
Comments:	
	T
Additional information	
Meeting Participants:	A T
RO/RK Number:	A ***
Machines Concerned:	A
Comments:	
	© Complete  © Rework
	Complete Task Save

