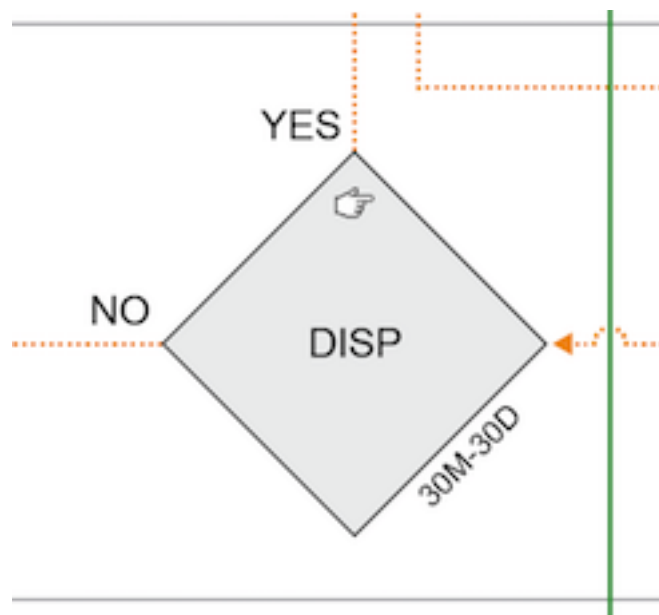


SCO KA Overview

SCO KA is in the SCO functional group are in the SO Business Area. The illustration below provides an overview of the End-to-End SCO KA workflow. This document aims to describe all the tasks involved in the SCO KA function.

Solid's Workflow:



DISP - Description

The objective of this task is to "...". It is part of the solid workflow.

It consists of the following Measurement(s):

- "..."

It delivers the following Service(s):

- "..."

The task has a maturity of "3".

The task consumes information flow from:

- "Usage Decision (No)"

The task is a gateway and has two variants, Yes and No.

The yes variant provides information flow to:

- “Tankyard”

The no variant provides information flow to:

- “Step OK?”

The time used on the task is estimated at “30 minutes – 30 days” with an estimated rework of “...”

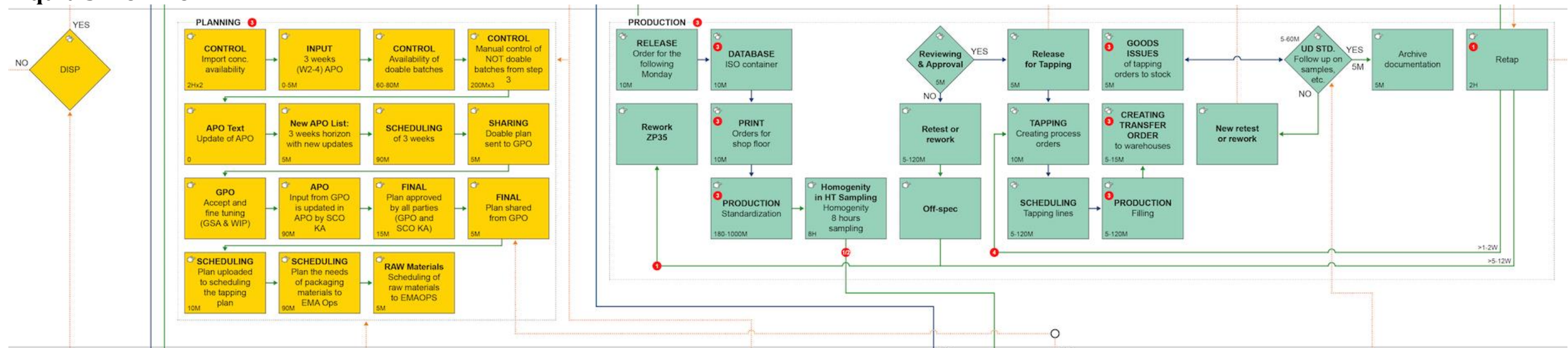
The following are the issues or problems that the task has:

- “...”

If you have any questions, comments, changes or need to interact with the accountable of the task, these are the responsible (Novozymes contact acronyms are applied):

- “...”

Liquid’s Workflow:



DISP - Description

The objective of this task is to “...”. It is part of the liquid workflow.

It consists of the following Measurement(s):

- “ ... ”

It delivers the following Service(s):

- “ ... ”

The task has a maturity of “3”.

The task consumes information flow from:

- “Usage Decision Recovery (No)”

The task is a gateway and has two variants, Yes and No.

The yes variant provides information flow to:

- “Tankyard”

The no variant provides information flow to:

- “Step OK?”

The time used on the task is estimated at “30 minutes – 30 days” with an estimated rework of “ ... ”

The following are the issues or problems that the task has:

- “ ... ”

If you have any questions, comments, changes or need to interact with the accountable of the task, these are the responsible (Novozymes contact acronyms are applied):

- “ ... ”

Control - Description

The objective of this task is to “ ... ”. It is part of the liquid workflow.

It consists of the following Measurement(s):

- “ ... ”

It delivers the following Service(s):

- “ ... ”

The task has a maturity of “3”.

The task consumes “...” flow from:

- “...”

It provides process flow to:

- “Input”

The time used on the task is estimated at “2 hours x 2” with an estimated rework of “...”

The following are the issues or problems that the task has:

- “...”

If you have any questions, comments, changes or need to interact with the accountable of the task, these are the responsible (Novozymes contact acronyms are applied):

- “...”

Input - Description

The objective of this task is to “...”. It is part of the liquid workflow.

It consists of the following Measurement(s):

- “...”

It delivers the following Service(s):

- “...”

The task has a maturity of “3”.

The task consumes process flow from:

- “Control (import conc. Availability)”

It provides process flow to:

- “Control (availability of doable batches)”

The time used on the task is estimated at “0-5 minutes” with an estimated rework of “...”

The following are the issues or problems that the task has:

- “ ... ”

If you have any questions, comments, changes or need to interact with the accountable of the task, these are the responsible (Novozymes contact acronyms are applied):

- “ ... ”

Control (Availability of doable batches) - Description

The objective of this task is to “...”. It is part of the liquid workflow.

It consists of the following Measurement(s):

- “ ... ”

It delivers the following Service(s):

- “ ... ”

The task has a maturity of “3”.

The task consumes process flow from:

- “Input (3 weeks (W2-4) APO)”

It provides process flow to:

- “Control (manual control of NOT doable batches from step 3)”

The time used on the task is estimated at “60-80 minutes” with an estimated rework of “...”

The following are the issues or problems that the task has:

- “ ... ”

If you have any questions, comments, changes or need to interact with the accountable of the task, these are the responsible (Novozymes contact acronyms are applied):

- “ ... ”

Control (manual control of NOT doable batches from step 3) - Description

The objective of this task is to “...”. It is part of the liquid workflow.

It consists of the following Measurement(s):

- “...”

It delivers the following Service(s):

- “...”

The task has a maturity of “3”.

The task consumes process flow from:

- “Control (availability of doable batches)”

It provides process flow to:

- “APO Text (Update of APO)”

The time used on the task is estimated at “200 minutes x 3” with an estimated rework of “...”

The following are the issues or problems that the task has:

- “...”

If you have any questions, comments, changes or need to interact with the accountable of the task, these are the responsible (Novozymes contact acronyms are applied):

- “...”

APO Text - Description

The objective of this task is to “...”. It is part of the liquid workflow.

It consists of the following Measurement(s):

- “...”

It delivers the following Service(s):

- “...”

The task has a maturity of “3”.

The task consumes process flow from:

- “Control (manual control of NOT doable batches from step 3)”

It provides process flow to:

- “New APO List (3 weeks horizon with new updates)”

The time used on the task is estimated at "0" with an estimated rework of "..."

The following are the issues or problems that the task has:

- "..."

If you have any questions, comments, changes or need to interact with the accountable of the task, these are the responsible (Novozymes contact acronyms are applied):

- "..."

New APO List - Description

The objective of this task is to "...". It is part of the liquid workflow.

It consists of the following Measurement(s):

- "..."

It delivers the following Service(s):

- "..."

The task has a maturity of "3".

The task consumes process flow from:

- "APO Text (Update of APO)"

It provides process flow to:

- "Scheduling (Plan approved by all parties (GPO and SCO KA))"

The time used on the task is estimated at "5 minutes" with an estimated rework of "..."

The following are the issues or problems that the task has:

- "..."

If you have any questions, comments, changes or need to interact with the accountable of the task, these are the responsible (Novozymes contact acronyms are applied):

- "..."

Scheduling (of 3 weeks) - Description

The objective of this task is to "...". It is part of the liquid workflow.

It consists of the following Measurement(s):

- "..."

It delivers the following Service(s):

- "..."

The task has a maturity of "3".

The task consumes process flow from:

- "New APO List (3 weeks horizon with new updates)"

It provides process flow to:

- "Sharing (Doable plan sent to GPO)"

The time used on the task is estimated at "90 minutes" with an estimated rework of "...".

The following are the issues or problems that the task has:

- "..."

If you have any questions, comments, changes or need to interact with the accountable of the task, these are the responsible (Novozymes contact acronyms are applied):

- "..."

Sharing - Description

The objective of this task is to "...". It is part of the liquid workflow.

It consists of the following Measurement(s):

- "..."

It delivers the following Service(s):

- "..."

The task has a maturity of "3".

The task consumes process flow from:

- "Scheduling (Plan approved by all parties (GPO and SCO KA))"

It provides process flow to:

- "GPO (Accept and fine tuning (GSA & WIP))"

The time used on the task is estimated at "5 minutes" with an estimated rework of "..."

The following are the issues or problems that the task has:

- "..."

If you have any questions, comments, changes or need to interact with the accountable of the task, these are the responsible (Novozymes contact acronyms are applied):

- "..."

GPO - Description

The objective of this task is to "...". It is part of the liquid workflow.

It consists of the following Measurement(s):

- "..."

It delivers the following Service(s):

- "..."

The task has a maturity of "3".

The task consumes process flow from:

- "Sharing (Doable plan sent to GPO)"

It provides process flow to:

- "APO (Input from GPO is updated in APO by SCO KA)"

The time used on the task is estimated at "?" with an estimated rework of "..."

The following are the issues or problems that the task has:

- "..."

If you have any questions, comments, changes or need to interact with the accountable of the task, these are the responsible (Novozymes contact acronyms are applied):

- “...”

APO - Description

The objective of this task is to “...”. It is part of the liquid workflow.

It consists of the following Measurement(s):

- “...”

It delivers the following Service(s):

- “...”

The task has a maturity of “3”.

The task consumes process flow from:

- “GPO (Accept and fine tuning (GSA & WIP))”

It provides process flow to:

- “Final (Plan approved by all parties (GPO and SCO KA))”

The time used on the task is estimated at “90 minutes” with an estimated rework of “...”

The following are the issues or problems that the task has:

- “...”

If you have any questions, comments, changes or need to interact with the accountable of the task, these are the responsible (Novozymes contact acronyms are applied):

- “...”

Final (Plan approved by all parties) - Description

The objective of this task is to “...”. It is part of the liquid workflow.

It consists of the following Measurement(s):

- “...”

It delivers the following Service(s):

- “...”

The task has a maturity of “3”.

The task consumes process flow from:

- “APO (Input from GPO is updated in APO by SCO KA)”

It provides process flow to:

- “Final (Plan shared from GPO)”

The time used on the task is estimated at “15 minutes” with an estimated rework of “...”

The following are the issues or problems that the task has:

- “...”

If you have any questions, comments, changes or need to interact with the accountable of the task, these are the responsible (Novozymes contact acronyms are applied):

- “...”

Final (Plan shared from GPO) - Description

The objective of this task is to “...”. It is part of the liquid workflow.

It consists of the following Measurement(s):

- “...”

It delivers the following Service(s):

- “...”

The task has a maturity of “3”.

The task consumes process flow from:

- “Final (Plan approved by all parties (GPO and SCO KA))”
- “Production Quality Ok? (FSP) (No)”

It provides process flow to:

- “Scheduling (Plan uploaded to scheduling the tapping plan)”

The time used on the task is estimated at "5 minutes" with an estimated rework of "..."

The following are the issues or problems that the task has:

- "..."

If you have any questions, comments, changes or need to interact with the accountable of the task, these are the responsible (Novozymes contact acronyms are applied):

- "..."

Scheduling (plan uploaded to scheduling the tapping plan) - Description

The objective of this task is to "...". It is part of the liquid workflow.

It consists of the following Measurement(s):

- "..."

It delivers the following Service(s):

- "..."

The task has a maturity of "3".

The task consumes process flow from:

- "Final (Plan shared from GPO)"

It provides process flow to:

- "Scheduling (Plan the needs of packaging materials to EMA Ops)"

The time used on the task is estimated at "10 minutes" with an estimated rework of "..."

The following are the issues or problems that the task has:

- "..."

If you have any questions, comments, changes or need to interact with the accountable of the task, these are the responsible (Novozymes contact acronyms are applied):

- "..."

Scheduling (Plan the needs of packaging materials to EMA Ops) - Description

The objective of this task is to "...". It is part of the liquid workflow.

It consists of the following Measurement(s):

- "..."

It delivers the following Service(s):

- "..."

The task has a maturity of "3".

The task consumes process flow from:

- "Scheduling (Plan uploaded to scheduling the tapping plan)"

It provides process flow to:

- "Raw Materials (Scheduling of raw materials to EMAOPS)"

The time used on the task is estimated at "90 minutes" with an estimated rework of "...".

The following are the issues or problems that the task has:

- "..."

If you have any questions, comments, changes or need to interact with the accountable of the task, these are the responsible (Novozymes contact acronyms are applied):

- "..."

RAW Materials - Description

The objective of this task is to "...". It is part of the liquid workflow.

It consists of the following Measurement(s):

- "..."

It delivers the following Service(s):

- "..."

The task has a maturity of "3".

The task consumes process flow from:

- "Scheduling (Plan the needs of packaging materials to EMA Ops)"

It provides process flow to:

- "..."

The time used on the task is estimated at "5 minutes" with an estimated rework of "..."

The following are the issues or problems that the task has:

- "..."

If you have any questions, comments, changes or need to interact with the accountable of the task, these are the responsible (Novozymes contact acronyms are applied):

- "..."

Rework - Description

The objective of this task is to "...". It is part of the liquid workflow.

It consists of the following Measurement(s):

- "..."

It delivers the following Service(s):

- "..."

The task has a maturity of "1".

The task consumes process flow from:

- "Retap"

It provides process flow to:

- "..."

The time used on the task is estimated at "... " with an estimated rework of "... "

The following are the issues or problems that the task has:

- "..."

If you have any questions, comments, changes or need to interact with the accountable of the task, these are the responsible (Novozymes contact acronyms are applied):

- “ ... ”

Release - Description

The objective of this task is to “...”. It is part of the liquid workflow.

It consists of the following Measurement(s):

- “ ... ”

It delivers the following Service(s):

- “ ... ”

The task has a maturity of “...”.

The task consumes process flow from:

- “ ... ”

It provides service flow to:

- “Database (ISO container)”

The time used on the task is estimated at “10 minutes (combined)” with an estimated rework of “...”

The following are the issues or problems that the task has:

- “ ... ”

If you have any questions, comments, changes or need to interact with the accountable of the task, these are the responsible (Novozymes contact acronyms are applied):

- “ ... ”

Database - Description

The objective of this task is to “...”. It is part of the liquid workflow.

It consists of the following Measurement(s):

- “ ... ”

It delivers the following Service(s):

- “...”

The task has a maturity of “3”.

The task consumes service flow from:

- “Release (Order for the following Monday)”

It provides service flow to:

- “Print (Orders for shop floor)”

The time used on the task is estimated at “10 minutes (combined)” with an estimated rework of “...”

The following are the issues or problems that the task has:

- “...”

If you have any questions, comments, changes or need to interact with the accountable of the task, these are the responsible (Novozymes contact acronyms are applied):

- “...”

Print - Description

The objective of this task is to “...”. It is part of the liquid workflow.

It consists of the following Measurement(s):

- “...”

It delivers the following Service(s):

- “...”

The task has a maturity of “3”.

The task consumes service flow from:

- “Database (ISO container)”

It provides service flow to:

- “Production (Standardization)”

The time used on the task is estimated at “10 minutes (combined)” with an estimated rework of “...”

The following are the issues or problems that the task has:

- “ ... ”

If you have any questions, comments, changes or need to interact with the accountable of the task, these are the responsible (Novozymes contact acronyms are applied):

- “ ... ”

Production (Standardization) - Description

The objective of this task is to “...”. It is part of the liquid workflow.

It consists of the following Measurement(s):

- “ ... ”

It delivers the following Service(s):

- “ ... ”

The task has a maturity of “3”.

The task consumes process flow from:

- “Print (Orders for shop floor)”

It provides process flow to:

- “Homogeneity in HT Sampling (Homogeneity 8 hours sampling)”

The time used on the task is estimated at “180-1000 minutes” with an estimated rework of “...”

The following are the issues or problems that the task has:

- “ ... ”

If you have any questions, comments, changes or need to interact with the accountable of the task, these are the responsible (Novozymes contact acronyms are applied):

- “ ... ”

Homogeneity in HT Sampling - Description

The objective of this task is to “...”. It is part of the liquid workflow.

It consists of the following Measurement(s):

- “ ... ”

It delivers the following Service(s):

- “ ... ”

The task has a maturity of “1.5”.

The task consumes process flow from:

- “Production (Standardization)”

It provides process flow to:

- “Analysis (Service)”

The time used on the task is estimated at “8 hours” with an estimated rework of “...”

The following are the issues or problems that the task has:

- “ ... ”

If you have any questions, comments, changes or need to interact with the accountable of the task, these are the responsible (Novozymes contact acronyms are applied):

- “ ... ”

Off-spec - Description

The objective of this task is to “...”. It is part of the liquid workflow.

It consists of the following Measurement(s):

- “ ... ”

It delivers the following Service(s):

- “ ... ”

The task has a maturity of “...”.

The task consumes process flow from:

- “Retest or rework”

It provides process flow to:

- “Retap & Rework ZP35”

The time used on the task is estimated at “...” with an estimated rework of “...”

The following are the issues or problems that the task has:

- “...”

If you have any questions, comments, changes or need to interact with the accountable of the task, these are the responsible (Novozymes contact acronyms are applied):

- “...”

Retest of Rework - Description

The objective of this task is to “...”. It is part of the liquid workflow.

It consists of the following Measurement(s):

- “...”

It delivers the following Service(s):

- “...”

The task has a maturity of “...”.

The task consumes process flow from:

- “Reviewing & Approval (No)”

It provides process flow to:

- “Off-spec”

The time used on the task is estimated at “...” with an estimated rework of “...”

The following are the issues or problems that the task has:

- “...”

If you have any questions, comments, changes or need to interact with the accountable of the task, these are the responsible (Novozymes contact acronyms are applied):

- “...”

Reviewing & Approval - Description

The objective of this task is to "...". It is part of the liquid workflow.

It consists of the following Measurement(s):

- "..."

It delivers the following Service(s):

- "..."

The task has a maturity of "...".

The task consumes "... flow from:

- "..."

The task is a gateway and has two variants, Yes and No.

The yes variant provides service flow to:

- "Release for Tapping"

The no variant provides service flow to:

- "Retest or Rework"

The time used on the task is estimated at "5 minutes" with an estimated rework of "..."

The following are the issues or problems that the task has:

- "..."

If you have any questions, comments, changes or need to interact with the accountable of the task, these are the responsible (Novozymes contact acronyms are applied):

- "..."

Release for Tapping - Description

The objective of this task is to "...". It is part of the liquid workflow.

It consists of the following Measurement(s):

- "..."

It delivers the following Service(s):

- “...”

The task has a maturity of “...”.

The task consumes service flow from:

- “Reviewing & Approval (Yes)”

It provides service/information flow to:

- “Tapping (Creating process orders)”
- “Fermentation KA”
- “Fermentation FU”

The time used on the task is estimated at “5 minutes” with an estimated rework of “...”

The following are the issues or problems that the task has:

- “...”

If you have any questions, comments, changes or need to interact with the accountable of the task, these are the responsible (Novozymes contact acronyms are applied):

- “...”

Tapping - Description

The objective of this task is to “...”. It is part of the liquid workflow.

It consists of the following Measurement(s):

- “...”

It delivers the following Service(s):

- “...”

The task has a maturity of “4”.

The task consumes service flow from:

- “Release for Tapping”
- “Retap”

It provides service flow to:

- “Scheduling (Tapping lines)”

The time used on the task is estimated at “10 minutes” with an estimated rework of “..”

The following are the issues or problems that the task has:

- “..”

If you have any questions, comments, changes or need to interact with the accountable of the task, these are the responsible (Novozymes contact acronyms are applied):

- “..”

Scheduling (Tapping Lines) - Description

The objective of this task is to “..”. It is part of the liquid workflow.

It consists of the following Measurement(s):

- “..”

It delivers the following Service(s):

- “..”

The task has a maturity of “..”.

The task consumes service flow from:

- “Tapping (Creating process orders)”

It provides service flow to:

- “Production (Filling)”

The time used on the task is estimated at “5-120 minutes” with an estimated rework of “..”

The following are the issues or problems that the task has:

- “..”

If you have any questions, comments, changes or need to interact with the accountable of the task, these are the responsible (Novozymes contact acronyms are applied):

- “..”

Production (Filling) - Description

The objective of this task is to “3”. It is part of the liquid workflow.

It consists of the following Measurement(s):

- “...”

It delivers the following Service(s):

- “...”

The task has a maturity of “...”.

The task consumes process flow from:

- “Scheduling (Tapping lines)”

It provides process flow to:

- “Creating Transfer Order (to warehouses)”

The time used on the task is estimated at “5-120 minutes” with an estimated rework of “...”

The following are the issues or problems that the task has:

- “...”

If you have any questions, comments, changes or need to interact with the accountable of the task, these are the responsible (Novozymes contact acronyms are applied):

- “...”

Creating Transfer Order - Description

The objective of this task is to “...”. It is part of the liquid workflow.

It consists of the following Measurement(s):

- “...”

It delivers the following Service(s):

- “...”

The task has a maturity of “3”.

The task consumes process flow from:

- "Production (Filling)"

It provides "... " flow to:

- "... "

The time used on the task is estimated at "5-15 minutes" with an estimated rework of "... "

The following are the issues or problems that the task has:

- "... "

If you have any questions, comments, changes or need to interact with the accountable of the task, these are the responsible (Novozymes contact acronyms are applied):

- "... "

Goods Issues - Description

The objective of this task is to "... ". It is part of the liquid workflow.

It consists of the following Measurement(s):

- "... "

It delivers the following Service(s):

- "... "

The task has a maturity of "3".

The task consumes service flow from:

- "UD STD. (Follow up on samples)"

It provides "... " flow to:

- "... "

The time used on the task is estimated at "5 minutes" with an estimated rework of "... "

The following are the issues or problems that the task has:

- "... "

If you have any questions, comments, changes or need to interact with the accountable of the task, these are the responsible (Novozymes contact acronyms are applied):

- “ ... ”

New Retest or Rework - Description

The objective of this task is to “...”. It is part of the liquid workflow.

It consists of the following Measurement(s):

- “ ... ”

It delivers the following Service(s):

- “ ... ”

The task has a maturity of “...”.

The task consumes information flow from:

- “UD STD. (Follow up on samples) (No)”

It provides information flow to:

- “Off-Scec 8L/NEFF (Warehouse)”

The time used on the task is estimated at “...” with an estimated rework of “...”

The following are the issues or problems that the task has:

- “ ... ”

If you have any questions, comments, changes or need to interact with the accountable of the task, these are the responsible (Novozymes contact acronyms are applied):

- “ ... ”

UD STD. - Description

The objective of this task is to “...”. It is part of the liquid workflow.

It consists of the following Measurement(s):

- “ ... ”

It delivers the following Service(s):

- “...”

The task has a maturity of “3”.

The task consumes process flow from:

- “Goods Issues (of tapping orders to stock)”
- “Approval of Sample (Yes)”

The task is a gateway and has two variants, Yes and No.

The yes variant provides process flow to:

- “Archive Documentation”

The no variant provides process flow to:

- “New Retest or Rework”

The time used on the task is estimated at “5-60 minutes” with an estimated rework of “...”

The following are the issues or problems that the task has:

- “...”

If you have any questions, comments, changes or need to interact with the accountable of the task, these are the responsible (Novozymes contact acronyms are applied):

- “...”

Archive Documentation - Description

The objective of this task is to “...”. It is part of the liquid workflow.

It consists of the following Measurement(s):

- “...”

It delivers the following Service(s):

- “...”

The task has a maturity of “...”.

The task consumes process flow from:

- “UD STD. (Follow up on samples (Yes))”

It provides “...” flow to:

- “...”

The time used on the task is estimated at “5 minutes” with an estimated rework of “...”

The following are the issues or problems that the task has:

- “...”

If you have any questions, comments, changes or need to interact with the accountable of the task, these are the responsible (Novozymes contact acronyms are applied):

- “...”

Retap - Description

The objective of this task is to “...”. It is part of the liquid workflow.

It consists of the following Measurement(s):

- “...”

It delivers the following Service(s):

- “...”

The task has a maturity of “1”.

The task consumes information flow from:

- “Check Possibility for Product Availability”

It provides process/information flow to:

- “NEFF (Warehouse)”
- “Tapping (Creating process orders)”
- “Rework ZP3”
- “Retap Sharepoint”

The time used on the task is estimated at “2 hours” with an estimated rework of “...”

The following are the issues or problems that the task has:

- “...”

If you have any questions, comments, changes or need to interact with the accountable of the task, these are the responsible (Novozymes contact acronyms are applied):

- “ ”