

## Define your remanufacturing operational process steps from scratch


Page 1 - Showing the overview of the steps to take


Page 2 - Provides guidance and inspiration to collect the available data

Page 3 - Linking the remaining data and knowledge gaps to typical operational process steps

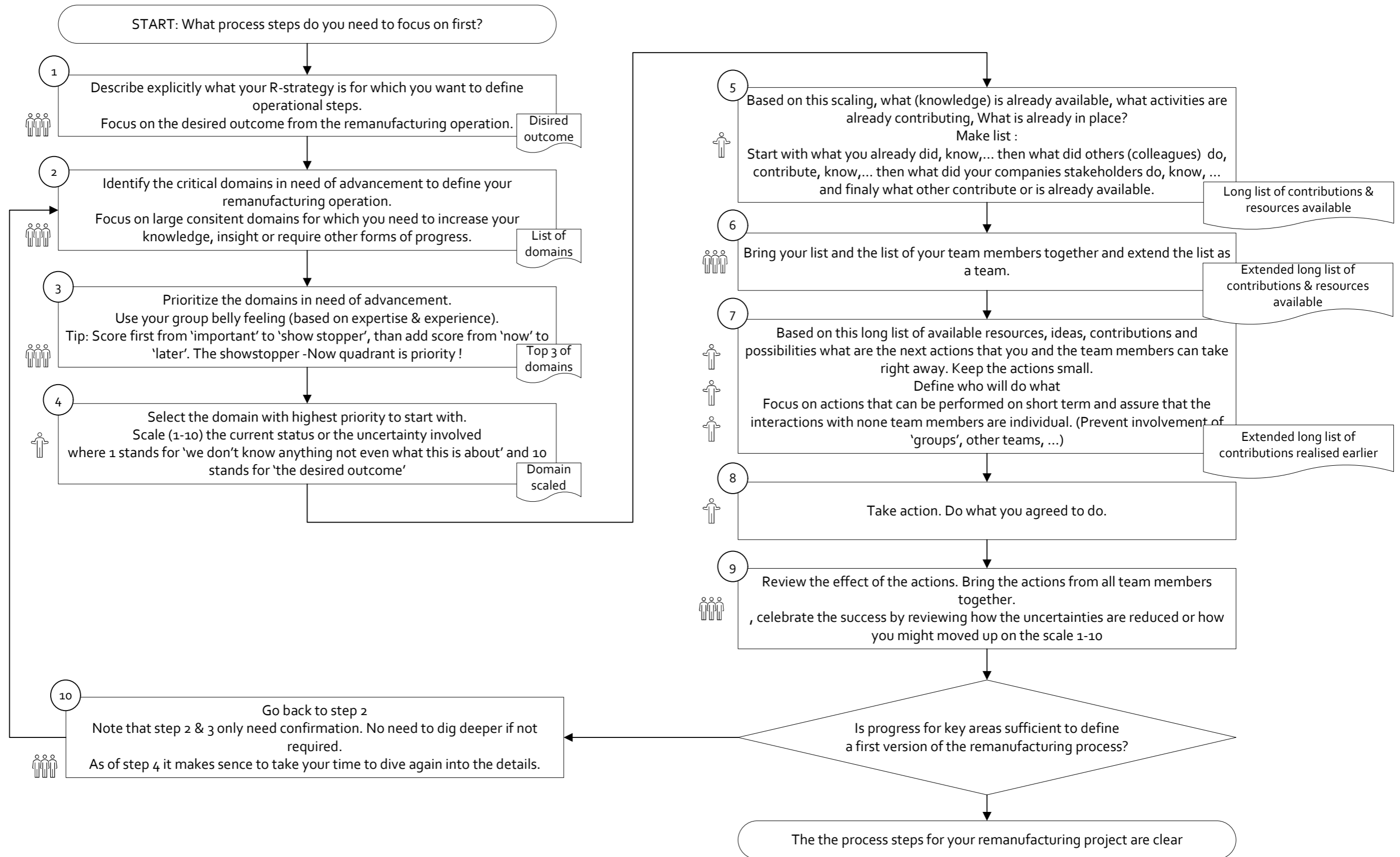
Page 4 - Determine what activities you need to explore more in depth

Page 5 - Bring all the info together. This provides you with your first remanufacturing process which requires validation in practice

 Individual activity

 Team activity

1



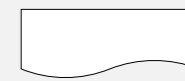
# Examples of insights and info you might already have

Existing data, insights and knowledge sources often used as input to define what steps are needed in the remanufacturing process.

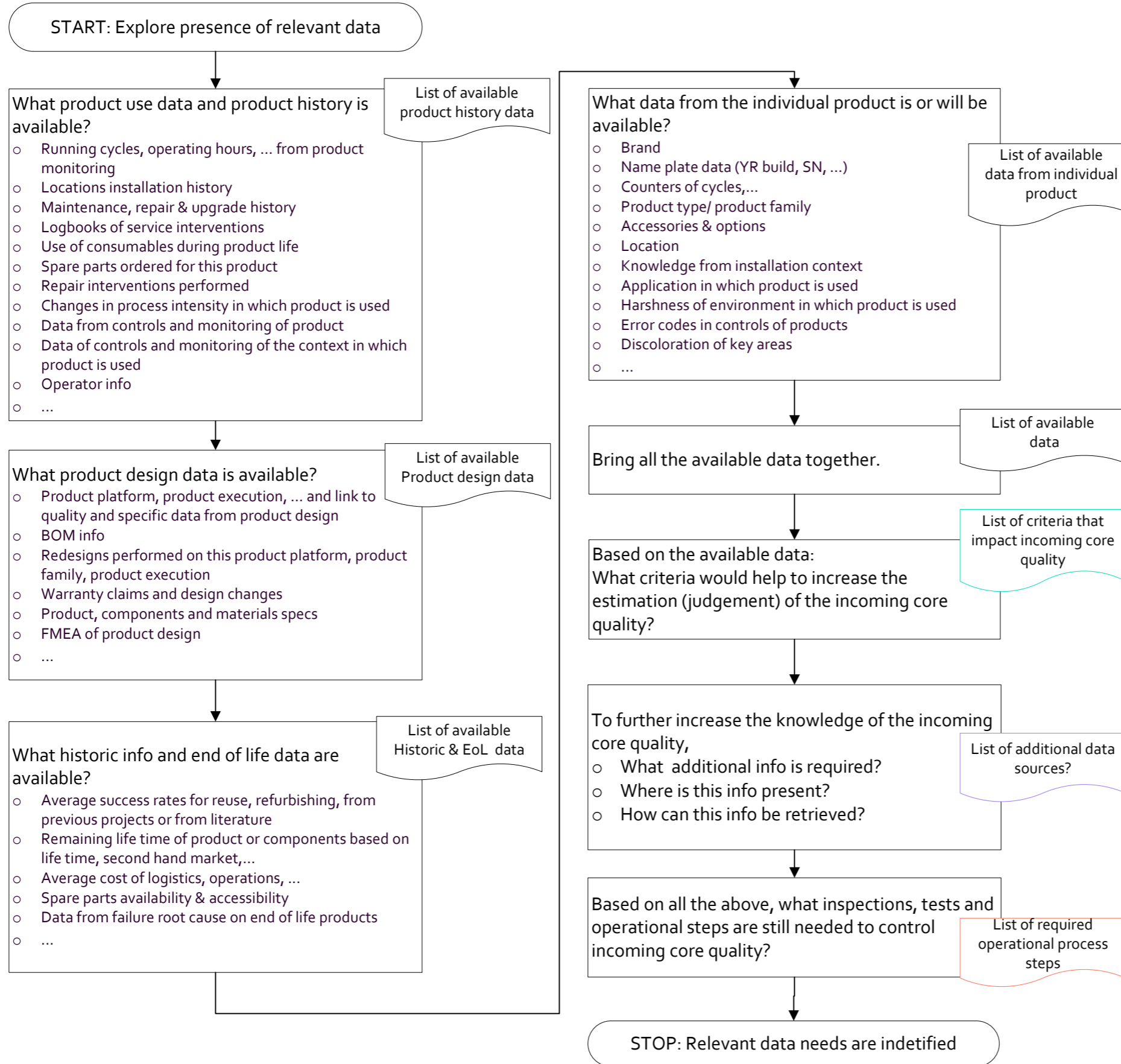
Follow the flow and make list of available data  
 Define the criteria for quality core selection  
 Identify additional data needs



Action to take to gather the relevant information



Documentation of the action



With above info what criteria would help to increase incoming core quality?

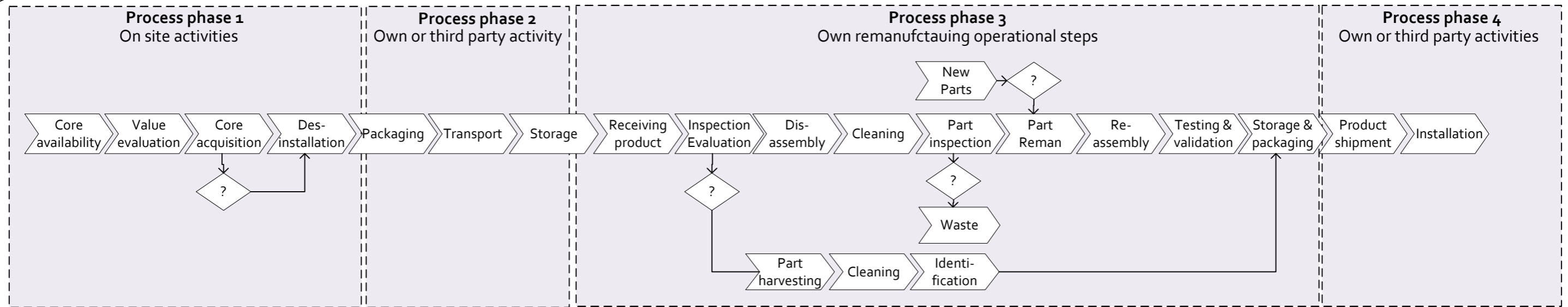
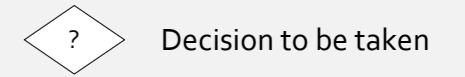
What additional data do need to retrieve?  
 Where can you get the data from?

What additional data do need to retrieve?  
 Where can you get the data from?

# 3

## Draft your operational plan based on the above knowledge

From the typical process steps of a remanufacturing activity operation select the ones that are relevant for you.  
Highlight the process steps with high uncertainty



Which criteria do you use/need to move toward next process phase? Which criteria do you use/need between process steps?

<input type="radio"/> ...	<input type="radio"/> ...	<input type="radio"/> ...	<input type="radio"/> ...
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Which additional data or information do you need to take next process step

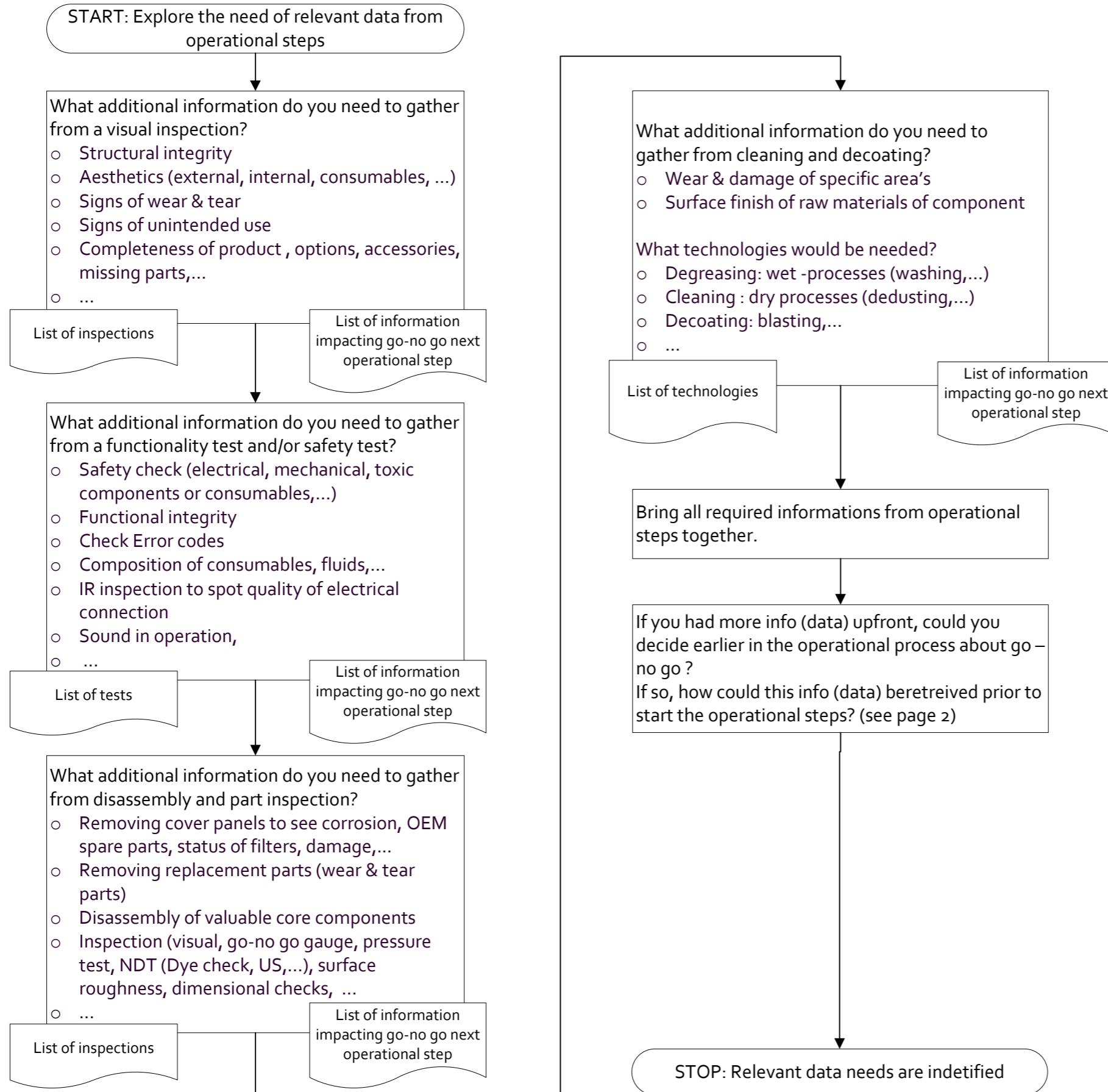
<input type="radio"/> ...	<input type="radio"/> ...	<input type="radio"/> ...	<input type="radio"/> ...
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Based on the available info and criteria, you can draft your operational plan.

# 4

## Typical operational activities generating information on core-quality and impacting operational efficiency.

From the drafted operational plan, review the select the once that are relevant for you.  
Highlight the process steps with high uncertainty



Sort the test and inspections in a sequential order so that you get the most info as early as possible in the operational steps

List the key tests and technology you do need

List the key data you want to get (additionally /earlier) that might eliminate at least one operational step

# 5

## Review your draft process plan based on the above knowledge

Based on the information, data and knowledge gathered, re-draft your operational plan.  
Focus on what decision is made where in the operation steps.  
Highlight the process steps for which you need additional technology (testing, cleaning, data management, operator support, ...)

Based on the available info and criteria and desired sequence, you can re-draft your operational plan.

You probably still have unsolved questions. Try to make the issues clear and identify what progress you want to make to resolve the issue ( see logic page 1 going back to step 2, 3 or 4)

### What are the remaining uncertainties?

- How important is this uncertainty? What is the potential cost of this uncertainty?
- What type of knowledge would be helpful to reduce this remaining uncertainty?
- ...

### What can you do to take this a next step further? Your next actions