

Competency Scale:

- 1 Undefined ▶ Unclear, No plan in place
- 2 Basic ▶ Defined, Base level assessment, Some functions in place
- 3 Developing ▶ Well defined, Good assessment, Most functions in place,
- 4 Fully Competent ▶ Well defined, Comprehensive assessment, All functions in place

The Remanufacturing Competency Checklist

The Remanufacturing Competency Checklist	Indicators	1	2	3	4
Market Assessment Have we identified markets for the remanufactured product?	<ul style="list-style-type: none"> Level of demand for remanufactured goods Target markets and their potential for growth Product lifecycle length enables remanufacturing Customer acceptance of remanufactured goods 	●	●	●	●
Legislation/Regulation Have we assessed legislative threats and opportunities?	<ul style="list-style-type: none"> Understanding of impact of EPR legislation Understanding of potential trade barriers Understanding of and involvement in future legislation Level of adoption of industry standards 	●	●	●	●
Economics Do the economics of remanufacture stack up for our product?	<ul style="list-style-type: none"> Investment plan developed for remanufacturing Level of cost analysis for reman versus new production Confidence in profit margins achievable Confidence that reman will not cannibalise new sales 	●	●	●	●
Business Alignment Does remanufacturing align with our core business values and strategy?	<ul style="list-style-type: none"> How remanufacturing fits with the business strategy How adaptable is the business model to allow reman Alignment of remanufacturing with core brand values Level of management involvement driving reman 	●	●	●	●
Knowledge & Expertise Do we have the right knowledge/expertise to implement remanufacture?	<ul style="list-style-type: none"> Current skills capability for remanufacturing Level of remanufacturing knowledge Plans for acquiring skills and knowledge 	●	●	●	●
Product Design Has the product been designed to facilitate remanufacture?	<ul style="list-style-type: none"> Modularity and upgradeability of design Level of non-destructive disassembly Availability of replacement parts Consideration and mapping of EOL of all components 	●	●	●	●
Product Information Management Do we have access to the required information?	<ul style="list-style-type: none"> Intellectual Property rights Information on product manufacture and components Design change information sharing mechanism Failure mode information, condition monitoring 	●	●	●	●
Remanufacturing Process Do we have the required processes to support remanufacturing?	<ul style="list-style-type: none"> Development of remanufacturing-specific processes Existence of standardised operating procedures Testing and diagnostics procedures Quality Assurance 	●	●	●	●
Remanufacturing Facility Do we have a facility where we can conduct remanufacturing?	<ul style="list-style-type: none"> Access to remanufacturing facility (inhouse or external) Capacity of facility to handle remanufacturing volumes Equipment for remanufacturing Facility location relative to market 	●	●	●	●
Reverse Logistics Do we have a returns channel in place to manage the supply of used core?	<ul style="list-style-type: none"> Returns channel for collecting and transporting cores Information on timing, quality and quantity of returns Supply chain partners to support reman activity 	●	●	●	●

The Remanufacturing Competency checklist overview

Why have we created it?

The decision on whether to start remanufacturing is a strategic one that requires systemic thinking. HSSMI and SIR have recognised that there is a fundamental lack of tools and information available to support manufacturers in making this decision. The Remanufacturing Competency checklist has been created to fill that gap.

What is it?

The Remanufacturing Competency checklist is a business self assessment tool developed jointly by the High Speed Sustainable Manufacturing Institute (HSSMI) and The Scottish Institute for Remanufacture (SIR). It allows a business, which is considering adopting remanufacturing, to assess its capability to remanufacture in relation to 10 critical factors. These factors have been developed by consolidating HSSMI's remanufacturing research with its industrial and academic projects, bringing it all together in a simple, intuitive, format.

How do you use it?

There are three simple steps to assessing your remanufacturing readiness:

1. Complete the online checklist to get an initial snapshot of your current readiness
2. We can then facilitate a more detailed review through a workshop, developing a spider diagram of your readiness and identifying areas of strengths and weaknesses
3. Support you in developing an action plan to tackle your shortcomings and exploit opportunities to enable successful integration of remanufacturing into your business strategy



**The Circular Value
Chains (CVC Team)**

“ To support manufacturers develop & deploy **Circular and Intelligent value chains.** ”

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