

Use Case: Shoes		
Actor	CQs	Provided Information
Recycler	(1) What is the material composition of the product? (2) What is the quality of the contained material? (3) How can the product be disassembled? (4) Is there a proof/certificate of the claims on material composition and quality?	Provides information on: composition of recycled material, quality and recycling method
Sorter		Quality characteristics of the material (2)
Collector		-
User		-
Retailer		-
Brand		-
Manufacturer		Composition of the product including added material and components (e.g., for the assembly) (1,3) Certification of organisation and product (4)
Material Supplier		Composition of the single materials (substances) (1,2) Certification of organisation and materials (4)
Actor	CQs	Provided information
Repairer	(1) Are there any instructions on how to repair the product? (2) What are the single components of this product? (3) What are the characteristics of the components? (4) How can the product be disassembled (if needed)? (5) Which spare parts are needed for repairing the product? (6) What is the material composition of the spare parts?	Provides information on: what was broken, what part/component of the product was repaired or replaced, what new components were inserted (if any) and their composition, how was it repaired, by whom (?), and when
User		-
Retailer		-
Brand		-

Manufacturer		Manufacturer of product: Repair instructions (1,5), list of components and their characteristics (2,3), information on the assembly of the components (4). Manufacturer of the spare parts: DPP of spare parts, with their components and material composition (6)
Material Supplier		Composition of materials for original components (3) and spare parts (6)
Actor	CQs	Provided information
Re-user & Re-seller	(1) What is the remaining quality of the product? (2) What is the material composition? (3) Is there a certification of the product?	
User		remaining product quality (1)
Retailer		-
Brand		-
Manufacturer		certificates of the product (3)
Material Supplier		material composition (2), certificates of the materials (3)
Use Case: Smartphone		
Actor	CQs	Provided Information
Recycler	(1) What is the composition of the product (components --> materials --> substances)? (2) How can the product be disassembled? (3) Is there rare earth included in the smartphone? (4) If yes, how can it be retrieved? (5) Are there any substances of concern in this product?	Provides information on: composition of recycled material, quality and recycling method
Sorter		-
Collector		-

User		-
Retailer		-
Brand		-
Manufacturer		Composition of the product including substances, materials and components (1,5), information of the product assembly and its disassembly (2,4)
Material Supplier		Composition of the materials including the substances (of concern) and rare earths (1,3,5)
Actor	CQs	Provided information
Refurbisher	(1) What are the single components of this product? (2) What are the characteristics of the components? (3) How can the product be disassembled (if needed)? (4) Which spare parts are needed for refurbishing the product? (5) What is the material composition of the spare parts?	Provides information on: what was broken, what part/component of the product was refurbished, what new components were inserted (if any) and their composition, how was it refurbished, by whom (?), and when
User		-
Retailer		-
Brand		-
Manufacturer		Composition of the product including substances, materials and components (1,2,4), information of the product assembly and its disassembly (1,3)
Material Supplier		Composition of the materials including the substances (of concern) (2,5)
Actor	CQs	Provided information

Repairer	(1) Are there any instructions on how to repair the product? (2) What are the single components of this product? (3) What are the characteristics of the components? (4) How can the product be disassembled (if needed)? (5) Which spare parts are needed for repairing the product? (6) What is the material composition of the spare parts?	Provides information on: what was broken, what part/component of the product was repaired or replaced, what new components were inserted (if any) and their composition, how was it repaired, by whom (?), and when
User		-
Retailer		-
Brand		-
Manufacturer		Manufacturer of product: Repair instructions (1,5), list of components and their characteristics (2,3), information on the assembly of the components (4). Manufacturer of the spare parts: DPP of spare parts, with their components and material composition (6)
Material Supplier		Composition of materials for original components (3) and spare parts (6)
Actor	CQs	Provided information
Re-user & Re-seller	(1) What is the remaining quality of the product? (2) What is the component composition of the product? (3) Is there a certification of the product?	
User		remaining product quality (1)
Retailer		-
Brand		-
Manufacturer		certificates of the product (3), component composition from the manufacturer(s) (2)
Material Supplier		certificates of the materials (3)