



**Environmental criteria for sustainable public  
procurement of**

# **Workwear Cleaning Services**

**Version 8 April 2015**

# 1. Scope/definition

The Workwear Cleaning Services product group covers all work clothing that the authorities hand in for cleaning, with the exception of footwear. The term "cleaning" refers to both water-based laundry methods and dry-cleaning techniques.

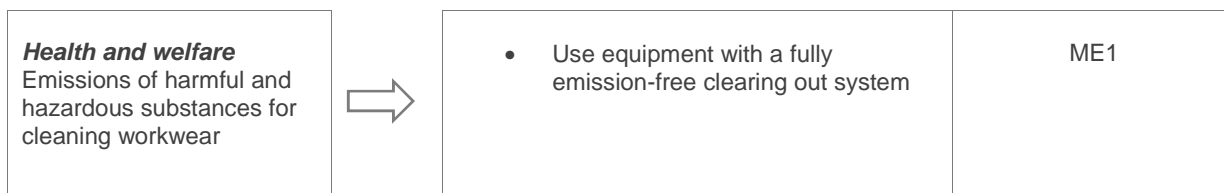
The following products (with their corresponding CPV codes) are part of the Workwear Cleaning Services product group. This list is not intended to be exhaustive.

Products	CPV code
Washing and dry-cleaning services	98310000-9
Laundry collection services	98311000-6
Laundry-management services	98311100-7
Textile-cleaning services	98312000-3

# 2. Most significant environmental effects

The following tables list the sustainability themes and describe the approach to each theme for the product group. The "Approach" column presents a statement indicating the influence of sustainable purchasing and its criteria on the "sustainability" of the theme. This column also includes a reference to any requirements, award criteria or points of attention/suggestions that may be useful in implementing the approach. The product group can also have an impact on other environmental themes, but these are (at least at present) less relevant or of a much less significant level of concern, or do not as yet have a suitable set of standard criteria.

Themes:	Approach:	No. of requirement/ Criterion
<p><b>Energy and climate</b> Energy consumption from cleaning workwear, with corresponding CO<sub>2</sub> emissions</p>	<ul style="list-style-type: none"> <li>Use equipment that uses residual heat to regenerate the coal filter.</li> </ul>	ME1
<p><b>Supplies and Raw materials</b> Use of harmful substances for cleaning workwear Use of raw materials for new workwear</p>	<ul style="list-style-type: none"> <li>Use equipment with a low-level sensor for PER use coordinated to load weight</li> <li>Placement of delivery, management and cleaning with a single party</li> </ul>	ME1 AS3
<p><b>Water and Soil</b> Use of harmful substances for cleaning workwear</p>	<ul style="list-style-type: none"> <li>Use equipment to minimise the quantity of PER in distillation residue</li> <li>Use cleaning technology with liquid CO<sub>2</sub></li> </ul>	ME1, GC1



### 3. Points of attention/suggestions

Devoting attention to the opportunities and possibilities for the most sustainable procurement possible in the preparation phase will lead to specifications that are more ambitious or of different types than the standard minimum requirements and award criteria set out in this document. The following table presents points for attention and suggestions for promoting sustainability in procurement within this product group.

No.	Points of attention/suggestions (AS)
AS1	<p><b>Choose easy-to-clean workwear</b> Consider simplifying the laundry process by opting for clothing that is relatively simple to clean and not easily soiled.</p>
AS2	<p><b>Do not have employees wash their own workwear</b> Do not allow employees to wash their own workwear at home. By and large, home laundry machines are less efficient than professional laundry equipment. Additionally, at home people tend to choose less environmentally friendly cleaning methods.</p>
AS3	<p><b>Investigate options for arranging all aspects under one contract</b> Explore the possibility of a single contract for the supply, maintenance and cleaning of the clothing. The advantage of such a solution is that the supplier is responsible for all the arrangements and for choosing the best cleaning method. This could be beneficial in environmental terms, because the supplier is likely to clean the items of clothing in such a manner that they last longer, thereby reducing the need for new clothing in due course.</p>

### 4. Selection criteria

Not defined for this product group.

### 5. Technical specifications

No.	Technical specifications (ME)
ME1	<p><b>Dry-cleaning</b> For dry-cleaning with the solvent Perchloroethylene (PER), use "6th generation" PER cleaning equipment. This means cleaning equipment that uses Perchloroethylene to clean items of clothing and satisfies at least the following requirements:</p> <ul style="list-style-type: none"> <li>• the system is equipped with a low-level sensor to prevent using more PER than is absolutely necessary needed for the relevant load of laundry</li> <li>• the system has an anti-fluff coating (cataphoresis) to prevent a residue build-up inside the water separator</li> <li>• the system is equipped with an air filter that has been set up in such a manner that the residual heat is used to regenerate the coal filter</li> <li>• the system is equipped with a fully emission-free clearing out system that has been set up in such a manner that the vapour released from the distillation residue is fed back into the distiller</li> <li>• the system is equipped with a steam injector that minimises the levels of PER in the distillation residue</li> </ul> <p><i>Verification</i> If dry-cleaning with PER is part of the tender, the tenderer may be asked to demonstrate that 6th</p>

	generation PER cleaning equipment is used.
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## 6. Award criteria

No.	Award criteria (GC)
GC1	<p><b>Cleaning with liquid CO<sub>2</sub></b>            If a method using liquid CO<sub>2</sub> is used for clothes to be dry cleaned, [X] additional points will be awarded.</p> <p><i>Verification</i>            The tenderer may be asked to demonstrate that it uses a cleaning technology using liquid CO<sub>2</sub>.</p>

## 7. Contract provisions

Not defined for this product group.