



Brussels, **XXX**
[...](2018) **XXX** draft

ANNEXES 1 to 2

ANNEXES

to the

COMMISSION IMPLEMENTING DECISION

on a standardisation request to [the European standardisation organisations]/[the European Committee for Standardisation] [the European Committee for Electrotechnical Standardisation] [the European Telecommunications Standards Institute] as regards [products(s)]/[service(s)] in support of [...]
on a standardisation request to [the European standardisation organisations]/[the European Committee for Standardisation] [the European Committee for Electrotechnical Standardisation] [the European Telecommunications Standards Institute] as regards [products(s)]/[service(s)] in support of [...]

This draft¹ has not been adopted or endorsed by the European Commission. Any views expressed are the preliminary views of the Commission services and may not in any circumstances be regarded as stating an official position of the Commission. The information transmitted is intended only for the Member State or entity to which it is addressed for discussions and may contain confidential and/or privileged material.

ANNEX I

List of new standard to be drafted

Table 1: New European standards to be drafted and deadlines for their adoption

Reference information		Deadline for the adoption by the CEN
1.	European standard(s) on the measurement of functional performance for taps and showers	()

ANNEX II

Requirements for the standards referred to in Article 1

Part A. General requirements for standards listed in Annex I

1. Requirements to be supported by the standards

The standards shall support application of relevant eco-design and water efficiency requirements to be integrated, when delivered, in the Voluntary Industry Agreement to improve the environmental performance of taps and showers on the EU Internal Market² or in a future regulatory proposal.

The standards shall provide detailed measurement methods and calculation of parameters corresponding to the functional performance of taps and showers. The parameters concerned should include, among other possible parameters, the rinsing performance and/or users comfort. They shall also reflect the generally acknowledged state of the art. These standards

² Exact references to be added

shall in particular ensure the necessary balance between the objectives of rinsing efficiency or comfort and of energy and water efficiency.

2. Requirements to be covered by requested standard

Where a standard contains measurement methods or calculations which do not support application of commitments of the Voluntary Agreement to improve the environmental performance of taps and showers, essential eco-design and water efficiency requirements such measurement methods or calculations shall be clearly distinguished from the methods and calculation supporting the requirements of the Voluntary Agreement.

Part B. Specific requirements for drafting new standards listed in Table 1 of Annex I

1. Requirements for all standards

Standards shall reflect the generally acknowledged state of art.

The standards to be drafted must include the main characteristics of the products. They must also include a description of the parameters to be measured or calculated so that reliable, accurate and reproducible results can be obtained.

The standardisation request should include reference to representativeness of harmonised standards.

The accuracy of the methods used where deemed useful and relevant by the ESO.

The developed standards shall be designed to minimise the risk of circumvention, i.e. to minimise the risk that a unit alters its performance during a test with the objective of reaching a more favourable level of energy consumption, functionality and emissions. The approach shall also take steps to minimise the chance that the product can recognise that it is under test

The standards should, to the extent possible, take into account the real-life usage and reflect average consumer behaviour.

2. Requirements for specific standards

2.1 Standards

The standard shall describe the technical measurement methods and calculations on functional performance for taps and showers and cover at least the following parameters:

- Flow rate per time unit
- Energy consumption per time unit
- Rinsing performance

For taps:

- Performance of time flow regulators (automatic closure of water flow after fixed time)
- Performance of water breaks (automatic reduction of water flow in absence of mechanical action on the tap)
- Performance of cold start (start position of the tap delivering cold water)
- Performance of temperature breaks (automatic reduction of water temperature in absence of mechanical action on the tap)
- Performance of flow regulators (maximum delivery of fixed water flow)
- Performance of thermostatic valves
- Performance of electronic tap (automatic start and stop of water flow based on sensors of the user's presence)

For showers:

- Measurement of spreading area
- Measurement of pressure drop of water between the shower head and user
- Performance of time flow regulators (automatic closure of water flow after fixed time)
- Performance of water breaks (automatic reduction of water flow in absence of mechanical action on the tap)
- Performance of cold start (start position of the tap delivering cold water)
- Performance of temperature breaks (automatic reduction of water temperature in absence of mechanical action on the tap)
- Performance of flow regulators (maximum delivery of fixed water flow)
- Performance of thermostats
- Performance of electronic tap (automatic start and stop of water flow based on sensors of the user's presence)

