

ECS operational staff meeting household appliances decision sheet			OSM HA N°346
Sub cl.	Meeting	Agenda item	Document
20.101/20.103	18	6.14	(ES)03/04
Standard	EN 60335-2-54:2003	Date	2017-02-08
Question	<p>A steam cleaner has a construction consisting of one deposit with a mechanical valve, a heating element controlled by a switching element with two fixed positions (on/off). The steam cleaner has an attachment consisting in a gun to project vapour with a pressure between 2 and 3 bar (see attached photographs).</p> <p>The output of vapour is continuous, and there is no means to control this output.</p> <p>In this conditions after switching on nothing happens, and aprox. 4 minutes afterwards, the pressurized steam and some drops of hot water begin to exit suddenly.</p> <p>Clause 20.101 of EN 60335-2-54 requires that "appliances shall be constructed so that inadvertent operation is unlikely".</p> <p>According to the construction of the appliance the switch my be activated applying the cylindrical rod of the standard.</p> <p>1- Does this appliance meet the requirement of sub-clause 20.101?  2- Taking into account that the operation of the steam cleaner begins 4 minutes after the operation of the switch (without any signal warning about the sudden output of steam), can it be considered that inadvertent operation is likely even if the user has switched on the appliance Since the sub-clause 22.103 states that "steam cleaners shall be constructed so that there is no spillage of water or sudden jets steam or hot water likely to expose the user to a hazard when the appliance is used in accordance with the instructions. Steam emission shall stop when the switch actuator is released".  3-:Does this construction comply with sub-clause 22.103?</p>		
Decision	<p>To the questions proposed, the answers are:</p> <p>1 - NO  2 - YES, even if the switch is in a recess as in this case  3 – NO</p>		
Explanatory notes			

