

**Guidelines for Series Approval of Products for Implementation of  
“Electronics and Information Technology Goods (Requirements for  
Compulsory Registration) Order, 2012”**

These guidelines are issued to facilitate labs / manufacturers in formation of series of products for the purpose of Compulsory Registration under the “Electronics and Information Technology Goods (Requirements for Compulsory Registration) Order, 2012”.

**1. Definition of Product Family**

A **product family** can be defined by the maximum configuration of components / sub-assemblies plus a description of how the models are constructed from the maximum configuration using these components and sub-assemblies.

All models which are included in the **family** typically have common design, construction, parts, or assemblies essential to ensure conformity with applicable requirements.

If a product standard defines a **product family**, in the context of the specific standard, this definition takes over.

**A. Guidelines for Quantitative Selection of Samples**

Number of samples selected for testing from a series shall be **one for every ten models** in the series. However, **worst case configuration from Safety Design consideration** must be selected for testing.

## B. Guidelines for Technical / Qualitative Selection of Samples

### 1. Electronic Games (Video)

Basic Configuration	Grouping as one series provided product has
Hand held with consumable non-rechargeable battery	<ul style="list-style-type: none"> <li>• Same Power supply layout.</li> <li>• Same chassis.</li> <li>• Same power requirement and size / type of battery.</li> </ul>
Rechargeable battery with external charging facility	<ul style="list-style-type: none"> <li>• Same chassis.</li> <li>• Same re-chargeable battery.</li> <li>• Same Charger. Alternate models of charger to be tested with the same electronic Game.</li> </ul>
Mains operated with internal re-chargeable battery	<ul style="list-style-type: none"> <li>• Same mains layout or same SMPS board layout.</li> <li>• Same enclosure except for differences of decoration parts.</li> <li>• Same chassis.</li> <li>• Battery to be treated as component (Alternate sources of battery may be evaluated as part of the main product.)</li> <li>• Same processor / speed.</li> </ul>
Mains operated - without battery	<ul style="list-style-type: none"> <li>• Same mains layout or same SMPS board layout.</li> <li>• Same enclosure except for differences of decoration parts.</li> <li>• Same processor / speed.</li> </ul>

### 2. Laptop / Notebook / Tablets

Basic Configuration	Grouping as one series provided product has
Laptop	<ul style="list-style-type: none"> <li>• Same voltage and current rating.</li> <li>• Same PCB layout.</li> <li>• Power Adaptor. (Alternate models of power adaptor may be evaluated as part of the main product.)</li> <li>• Same enclosure except for differences of decoration parts.</li> </ul>
Notebook	
Tablet	
Devices as	

combination of above products	<ul style="list-style-type: none"> <li>Battery to be treated as component (Alternate sources of battery may be evaluated as part of the main product.)</li> </ul>
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### 3. Plasma/LCD/LED Televisions

Basic Configuration	Grouping as one series provided product has
Plasma TV	<ul style="list-style-type: none"> <li>Same Mains layout or same SMPS board layout.</li> <li>Same enclosure except for differences of decoration parts.</li> <li>Power Transformer: Same design and insulation system.</li> </ul>
LCD TV	
LED TV	
Devices as combination of above products	

### 4. Optical Disc Players With built in amplifiers

Basic Configuration	Grouping as one series provided product has
With power adaptor	<ul style="list-style-type: none"> <li>Power Adaptor. (Alternate models of power adaptor may be evaluated as part of the main product.)</li> <li>Same enclosure except for differences of decoration parts.</li> <li>Same PCB layout.</li> </ul>
Mains operated with internal power supply	<ul style="list-style-type: none"> <li>Same Mains layout or same SMPS board layout.</li> <li>Same enclosure except for differences of decoration parts.</li> <li>Power Transformer: Same design and insulation system.</li> </ul>

### 5. Microwave Ovens

Basic Configuration	Grouping as one series provided product has
Microwave Oven	<ul style="list-style-type: none"> <li>Same Input Power rating.</li> <li>Same Mains layout / Power Supply.</li> <li>Same Enclosure except for differences of decoration</li> </ul>

	parts. • Same Magnetron power.
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## 6. Visual Display Units, Video Monitors

Basic Configuration	Grouping as one series provided product has
Video Display Units	<ul style="list-style-type: none"> <li>• Same Mains layout or same SMPS board layout.</li> <li>• Same enclosure except for differences of decoration parts.</li> <li>• Power Transformer: Same design and insulation system.</li> </ul>
Video Monitors	

## 7. Printers, Plotters

Basic Configuration	Grouping as one series provided product has
Printers and Plotters	<ul style="list-style-type: none"> <li>• Power Adaptor. (Alternate models of power adaptor may be evaluated as part of the main product.)</li> <li>• Same enclosure except for differences of decoration parts.</li> <li>• Same PCB layout.</li> </ul>
	<ul style="list-style-type: none"> <li>• Same Mains layout or same SMPS board layout.</li> <li>• Same enclosure except for differences of decoration parts.</li> <li>• Power Transformer: Same design and insulation system.</li> </ul>

## 8. Scanners

Basic Configuration	Grouping as one series provided product has
With power adaptor	<ul style="list-style-type: none"> <li>• Power Adaptor. (Alternate models of power adaptor may be evaluated as part of the main product.)</li> <li>• Same enclosure except for differences of decoration parts.</li> <li>• Same PCB layout.</li> </ul>
Mains operated with internal power supply	<ul style="list-style-type: none"> <li>• Same Mains layout or same SMPS board layout.</li> <li>• Same enclosure except for differences of decoration parts.</li> <li>• Power Transformer: Same design and insulation system.</li> </ul>

## 9. Wireless Keyboards

Basic Configuration	Grouping as one series provided product has
Wireless Keyboard	<ul style="list-style-type: none"><li>• Same Enclosure except for differences of decoration parts.</li><li>• Battery to be treated as component (Alternate sources of battery may be evaluated as part of the main product.)</li></ul>

## 10. Telephone Answering Machines

Basic Configuration	Grouping as one series provided product has
With power adaptor	<ul style="list-style-type: none"><li>• Power Adaptor. (Alternate models of power adaptor may be evaluated as part of the main product.)</li><li>• Same enclosure except for differences of decoration parts.</li><li>• Same PCB layout.</li></ul>
Mains operated with internal power supply	<ul style="list-style-type: none"><li>• Same Mains layout or same SMPS board layout.</li><li>• Same enclosure except for differences of decoration parts.</li><li>• Power Transformer: Same design and insulation system.</li></ul>

## 11. Amplifiers

Basic Configuration	Grouping as one series provided product has
With power adaptor	<ul style="list-style-type: none"><li>• Power Adaptor. (Alternate models of power adaptor may be evaluated as part of the main product.)</li><li>• Same enclosure except for differences of decoration parts.</li><li>• Same PCB layout.</li></ul>
Mains operated with internal power supply	<ul style="list-style-type: none"><li>• Same Mains layout or same SMPS board layout.</li><li>• Same enclosure except for differences of decoration parts.</li><li>• Power Transformer: Same design and insulation system.</li></ul>

## 12. Electronic Musical Systems

Basic Configuration	Grouping as one series provided product has
Mains operated with internal power supply	<ul style="list-style-type: none"><li>• Same Mains layout or same SMPS board layout.</li><li>• Same enclosure except for differences of decoration parts.</li><li>• Power Transformer: Same design and insulation system.</li></ul>

### 13. Electronic Clocks with Mains Power

Basic Configuration	Grouping as one series provided product has
With power adaptor	<ul style="list-style-type: none"> <li>• Power Adaptor. (Alternate models of power adaptor may be evaluated as part of the main product.)</li> <li>• Same enclosure except for differences of decoration parts.</li> <li>• Same PCB layout.</li> <li>• Mounting Mechanism.</li> </ul>
Mains operated with internal power supply	<ul style="list-style-type: none"> <li>• Same Mains layout or same SMPS board layout.</li> <li>• Same enclosure except for differences of decoration parts.</li> <li>• Power Transformer: Same design and insulation system.</li> <li>• Mounting Mechanism.</li> </ul>

### 14. Set Top Boxes

Basic Configuration	Grouping as one series provided product has
With power adaptor	<ul style="list-style-type: none"> <li>• Power Adaptor. (Alternate models of power adaptor may be evaluated as part of the main product.)</li> <li>• Same enclosure except for differences of decoration parts.</li> <li>• Same PCB layout.</li> </ul>
Mains operated with internal power supply	<ul style="list-style-type: none"> <li>• Same Mains layout or same SMPS board layout.</li> <li>• Same enclosure except for differences of decoration parts.</li> <li>• Power Transformer: Same design and insulation system.</li> </ul>

### 15. Automatic Data Processing Machines

Basic Configuration	Grouping as one series provided product has
With power adaptor	<ul style="list-style-type: none"> <li>• Power Adaptor. (Alternate models of power adaptor may be evaluated as part of the main product.)</li> <li>• Same enclosure except for differences of decoration parts.</li> <li>• Same PCB layout.</li> </ul>
Mains operated with internal power supply	<ul style="list-style-type: none"> <li>• Same Mains layout or same SMPS board layout.</li> <li>• Same enclosure except for differences of decoration parts.</li> <li>• Power Transformer: Same design and insulation system.</li> </ul>