

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

2. Laptop / Notebook / Tablets

Basic Configuration	Grouping as one series provided product has
Laptop	<ul style="list-style-type: none"> • Same CPU. • Same PCB layout. • Power Adaptor. (Alternate models of power adaptor may be evaluated as part of the main product.) • Same enclosure except for differences of decoration parts. • Battery to be treated as component (Alternate sources of battery may be evaluated as part of the main product.)
Notebook	
Tablet	
Devices as combination of above products	

3. Plasma/LCD/LED Televisions

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

5. Microwave Ovens

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

6. Visual Display Units, Video Monitors

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

7. Printers, Plotters

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

8. Scanners

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

9. Wireless Keyboards

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

10. Telephone Answering Machines

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

11. Amplifiers

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

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">• Same Mains layout or same SMPS board layout.• Same enclosure except for differences of decoration parts.• Power Transformer: Same design and insulation system.

13. Electronic Clocks with Mains Power

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

14. Set Top Boxes

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

15. Automatic Data Processing Machines

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