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MeitY revises series rules for IS/IEC 62368-1:2023 products

MeitY's circular of May 20, 2026 revises the series guidelines for IS/IEC 62368-1:2023 products: at most 10 models a series, one test sample per ten models.

THE MINISTRY OF Electronics and Information Technology (MeitY), IPHW Division, issued Circular No. W-47/34/2025-IPHW, dated May 20, 2026, with the subject "Series Guidelines for product falling under IS/IEC 62368 : Part 1: 2023". It recalls that MeitY notified the migration to IS/IEC 62368 : Part 1 : 2023 by Gazette Notification S.O. 4997(E) dated October 29, 2025, and sets out revised guidelines for forming series of products under that standard. The circular names the earlier standards as "IS 13252 Part 1: 2020 and IS 616: 2017"; S.O. 4997(E) itself names IS 13252 : Part 1 : 2010. The circular carries no Gazette number of its own. It is digitally signed by Saurabh Ranjan, Scientist 'D', and addressed to the Bureau of Indian Standards, MeitY's website and industry associations in the electronics sector.

KEY FACTS

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The circular defines a product family by the maximum configuration of components or sub-assemblies, plus a description of how the models are built from it; this definition applies where a product standard does not define a product family. A series may include at most 10 models for all product categories, unless a higher limit is specifically prescribed for a particular category. One sample is selected for testing for every ten models, and the worst-case configuration from a safety design point of view must be tested in all cases. For power adapters, UPS/inverters and power banks, devices up to a range of output power or capacity rating can be clubbed in one series.

All models in a series should have the same IP rating, and an IP rating marked on a product must be tested to IS/IEC 60529 at BIS recognized laboratories. The material of every enclosure forming the fire enclosure, electrical insulation barrier or mechanical protection must be the same, the overall enclosure shape and design similar, and the ventilation openings the same as or more restrictive than the lead model's. Buttons and controls may move between models if the testing laboratory confirms, and states, that the change does not affect safety; differences in color, surface finish and non-structural aesthetic overlays are allowed if they do not affect those safety criteria. Every model must also share the class of construction (Class I, Class II or Class III), the energy source classes (ES1 to ES3, PS1 to PS3 and TS1 to TS3) for equivalent ports and functions, the type of safety-critical components such as Y-capacitors, optocouplers and varistors (MOV), and the rated input voltage.

Separate series are required for models with fans and models cooled by heatsinks only, for models with ES1/PS1 outputs and models with ES2/PS2 or higher, and for products powered by an external energy source, by mains through an internal power supply, or by an internal battery. For an externally powered product, a registered power adapter or power bank "shall be provided with a power greater than or equal to the rated power of the product". Devices using dynamic power negotiation, such as USB-PD or PPS, may share a series if they share the same maximum negotiated power envelope, with the same power management and charging circuit layout and the same battery management safety limits. Mains-operated models must share the mains PCB

or SMPS board layout and, if applicable, the power transformer design and insulation system. Battery models must share battery chemistry (Li-ion and Ni cannot be grouped) and the PCB layout and design (for rechargeable batteries, of the charging and battery protection circuit), and the lead model is tested with the highest battery capacity. Where a series uses several processors, the lead model is the configuration with the highest Thermal Design Power (TDP) in watts. The table lists the criteria the circular sets for particular products, including separate series for smart watches with and without SIM and for devices with and without a display or touch.

Under the circular's note, all components notified under the Order and used in finished notified products must be registered independently under the CRO (Compulsory Registration Order). Where an external energy source is not supplied with a product, its specifications and ratings must be stated on the product, packaging, e-label or manual. The circular gives no date from which it applies and calls the guidelines revised without naming the guidelines they replace. It does not say how series already registered are treated, or list the product categories it covers; it names products mainly as examples of its criteria. S.O. 4997(E) lets IS 13252 : Part 1 : 2010 and IS 616: 2017 run alongside IS/IEC 62368 : Part 1 : 2023 until November 1, 2028 (May 1, 2026 for extended reality products). BIS's FAQs on Migration to IS/IEC 62368-1:2023, dated July 22, 2026, say existing licensees must submit complete test reports for all applicable lead models identified under the revised series guidelines, and that a lead model that has reached end of life may be withdrawn and replaced by the next appropriate lead model in the same series.

Issued by	Ministry of Electronics and Information Technology (MeitY), IPHW Division
Document	Circular No. W-47/34/2025-IPHW, "Series Guidelines for product falling under IS/IEC 62368 : Part 1: 2023"
Dated	May 20, 2026
Applies to	Series of products falling under IS/IEC 62368 : Part 1 : 2023
Background	S.O. 4997(E), October 29, 2025: the migration from IS 13252 : Part 1 : 2010 and IS 616: 2017 to IS/IEC 62368 : Part 1 : 2023
Takes effect	Not stated
Models in a series	At most 10, unless a higher limit is prescribed for a particular product category
Test samples	One for every ten models; the worst-case configuration from safety design consideration in all cases
Same across a series	IP rating; enclosure material; class of construction; energy source classes; type of safety-critical components; battery chemistry; rated input voltage

Separate series	Fan-cooled and heatsink-only models; ES1/PS1 and ES2/PS2 or higher outputs; external energy source, mains with internal power supply, and internal battery; smart watches with and without SIM; devices with and without display; devices with and without touch
Lead model	Battery models: tested with the highest battery capacity; several processors: the configuration with the highest Thermal Design Power (TDP) in watts
Notified components	Registered independently under the CRO
Related	BIS's FAQs on Migration to IS/IEC 62368-1:2023, July 22, 2026: existing licensees submit complete test reports for all applicable lead models identified under the revised series guidelines; a lead model at end of life may be withdrawn and replaced by the next appropriate lead model in the same series
Signed by	Saurabh Ranjan, Scientist 'D' (digital signature)

Criteria for particular products (clause 2.6 and Note 1)

Clause	Products	Criterion
2.6 a	HDDs, SDDs	Same form factors
2.6 b	Microphones and earphones	Same type, e.g. clip-type, hand-held, over-the-ear
2.6 c	Wherever applicable	Same type of charging (docking/contact charging, USB / charging case / wireless etc.)
2.6 d	Smart watches	With and without SIM in different series
2.6 e	Devices with or without display	In different series
2.6 f	Devices with or without touch	In different series
2.6 g	SMPS, power adaptors with multiple output ports	Same number of output ratings, number of outputs and component ratings
2.6 h	UPS inverters	Same frequency and number of phases at input/output, and same bus voltage
2.6 i	Copying machines	Same largest paper size
2.6 j	Products with a display, if applicable	Same type of display (LCD, LED etc.)
2.6 k	Wireless microphones	Same IP ratings for the transmitter and the receiver
2.6 l	Video cameras	Same type of mounting, e.g. handheld, tripod
2.6 m	Series using several processors	The lead model is the configuration with the highest Thermal Design Power (TDP) in watts

2.6 n	Products with several processors	Allowed if the processors are within the same enclosure of the product
Note 1	Power adapters, UPS/inverters and power banks	Devices up to a range of output power/capacity rating can be clubbed in a series

The circular (PDF, 358 KB)

Source: MeitY's own copy.

Checked against the official copy on October 28, 2026.

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