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FOUNDER TOOL · FILLABLE PDF

Certification Roadmap

List the certifications and tests commonly relevant to your product in India, the EU, and the US — then plan labs, costs, and lead times

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PRODUCT / PROJECT

TEAM / FOUNDER

DATE / REVISION

2026

Bangalore · Hardware product design & engineering
brahmworks.com/resources

Not legal advice — confirm with an accredited lab or consultant.

00 How to use this roadmap

Profile the product, check each market's list, then build a sequenced plan with the quotes you collect.

1 Start with the product profile

Markets and characteristics (mains, battery, radio, medical, vehicle) decide which rows are worth checking.

2 Tick 'applies' only after checking

Each row says what it is commonly relevant for. Confirm with a lab or consultant before you tick it.

3 Collect quotes, don't guess

Cost and lead-time fields are for figures labs and agencies quote you. Leave them blank until you have them.

4 Design for compliance early

Choices such as a pre-certified radio module, a certified adapter, or clearances can change what is tested.

5 Plan pre-compliance

Informal pre-scans and safety reviews before formal testing reduce surprises and repeat test fees.

6 Sequence the critical path

Some approvals depend on others (e.g. lab reports before registration). Put them in order on the summary page.

Requirements change and depend on the exact product; confirm with an accredited lab or consultant. This worksheet is not legal advice.

Rows describe what each item is commonly relevant for — not whether it applies to you. Lists are not exhaustive; add rows for anything else.

01 Product profile

Describe the product the way a lab will. The characteristics you tick point to the rows worth checking on the next pages.

TARGET MARKETS

Tick every market, in launch order if you can.

☐ India

☐ EU

☐ US

☐ UK

☐ Other

LAUNCH ORDER / OTHER

INTENDED USE STATEMENT

What it does, for whom, where — as you would write it in the manual

MANUFACTURER / IMPORTER OF RECORD

Who places it on each market; who holds the files

PRODUCT CHARACTERISTICS

Tick what applies. The right-hand column shows rows on the next pages that are commonly worth checking.

☐ Mains-powered (AC)

→ LVD · IEC 62368-1 / 60335 · BIS CRS or ISI · NRTL

☐ External adapter / charger supplied

→ BIS CRS · DOE / CEC · LVD

☐ Lithium battery inside or supplied

→ IEC 62133-2 · UN 38.3 · Batteries Reg. · EPR

☐ Radio: Wi-Fi, BLE, LoRa, sub-GHz...

→ WPC ETA · RED · FCC Part 15C

☐ Cellular / connects to a telecom network

→ TEC MTCTE · RED · FCC

☐ Medical or health claims

→ CDSCO · EU MDR · FDA · IEC 60601 · ISO 13485

☐ Vehicle or EV component

→ AIS (ARAI / ICAT) · UN 38.3 for batteries

☐ Machine with moving parts

→ Machinery Directive / Regulation · IEC 60204-1

☐ Used outdoors, wet, or dusty

→ IEC 60529 IP rating

☐ Any electronics at all

→ EMC Directive · FCC Part 15B · RoHS · REACH · WEEE · EPR

☐ Intended for children

→ CPSIA (US) · toy safety rules where applicable

☐ Sold pre-packaged at retail in India

→ Legal Metrology labelling

QUESTIONS FOR THE LAB / CONSULTANT

What you are unsure applies, and why

DESIGN CHOICES THAT AFFECT CERTIFICATION

e.g. pre-certified radio module, certified external adapter

02 India — certifications & registrations

Check notified product categories and current rules with the agency or an accredited lab. Use blank rows for anything else.

APPLIES?	CERTIFICATION / STANDARD — COMMONLY RELEVANT FOR...	LAB / AGENCY	EST. COST (YOUR QUOTE)	LEAD TIME (YOUR QUOTE)	STATUS
☐	BIS — Compulsory Registration Scheme (CRS) Electronics and IT products in categories notified under the Compulsory Registration Order. Testing at a BIS-recognised lab, then registration.				
☐	BIS — ISI mark (Product Certification Scheme) Products whose Indian Standard is made mandatory by a Quality Control Order — certain electrical products, components, and materials.				
☐	WPC — Equipment Type Approval (ETA) Products with radio transmitters (e.g. Wi-Fi, Bluetooth, LoRa) operating in de-licensed bands; handled by the WPC Wing, DoT.				
☐	TEC — MTCTE Telecom and network equipment in categories notified for Mandatory Testing and Certification of Telecom Equipment.				
☐	CDSCO — Medical Device Rules, 2017 Medical devices and IVDs. The route (registration, manufacturing or import licence) depends on the device's risk class.				
☐	AIS standards — ARAI / ICAT and other testing agencies Automotive and EV components covered by Automotive Industry Standards, e.g. traction battery safety (AIS-156, AIS-038) and CMVR type approval.				
☐	EPR — E-Waste and Battery Waste Management Rules Producers and importers of electrical and electronic equipment and batteries; Extended Producer Responsibility registration with CPCB.				
☐	Legal Metrology (Packaged Commodities) Rules Label declarations for pre-packaged products sold at retail in India (MRP, manufacturer / importer details, net quantity).				
☐					
☐					

Not legal advice. Requirements change and depend on the exact product; confirm with an accredited lab or consultant. Items are listed as commonly relevant, not as confirmed requirements for your product.

03 European Union — CE and related

CE is a self-declaration built from the directives and regulations that apply. Some routes need a Notified Body.

APPLIES?	CERTIFICATION / STANDARD — COMMONLY RELEVANT FOR...	LAB / AGENCY	EST. COST (YOUR QUOTE)	LEAD TIME (YOUR QUOTE)	STATUS
☐	CE marking — Declaration of Conformity & technical file The manufacturer's declaration that the product meets every EU law that applies to it; built from the items below.				
☐	LVD — Low Voltage Directive 2014/35/EU Electrical equipment within the directive's voltage ranges, e.g. mains-powered products. Safety against harmonised standards.				
☐	EMC Directive 2014/30/EU Electrical and electronic equipment: emissions and immunity.				
☐	RED — Radio Equipment Directive 2014/53/EU Products that intentionally transmit or receive radio; covers radio, EMC, and safety (and cybersecurity for some connected products).				
☐	RoHS Directive 2011/65/EU Restricted hazardous substances in electrical and electronic equipment; supplier declarations and material data.				
☐	REACH Regulation (EC) 1907/2006 Substances of very high concern (SVHC) in articles; information duties to customers.				
☐	WEEE Directive 2012/19/EU Producer registration and take-back in each EU country where you sell; crossed-out wheelie-bin marking.				
☐	EU Batteries Regulation (EU) 2023/1542 Products containing or supplied with batteries: labelling, documentation, and collection obligations.				
☐	EU MDR (EU) 2017/745 Medical devices. The conformity route depends on the device class; higher classes involve a Notified Body.				
☐	Machinery Directive 2006/42/EC / Machinery Regulation (EU) 2023/1230 Machinery and special-purpose machines with moving parts; risk assessment and safety functions.				
☐					

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04 United States — FCC, safety, and others

Federal, retailer, and state-level items. Requirements differ by product type and sales channel.

APPLIES?	CERTIFICATION / STANDARD — COMMONLY RELEVANT FOR...	LAB / AGENCY	EST. COST (YOUR QUOTE)	LEAD TIME (YOUR QUOTE)	STATUS
☐	FCC Part 15 Subpart B — unintentional radiators Digital electronic devices; radiated and conducted emissions. The authorisation route depends on the device.				
☐	FCC Part 15 Subpart C (and other rule parts) — intentional radiators Products with radio transmitters; equipment certification through a TCB. A pre-certified module can reduce, not remove, testing.				
☐	Product safety — NRTL listing (e.g. UL, ETL) Commonly expected by retailers, distributors, insurers, and workplace buyers; tested by an NRTL to the relevant UL / ANSI standard.				
☐	FDA — medical device regulation Medical devices; the route (e.g. registration and listing, 510(k), De Novo, PMA) depends on device classification.				
☐	CPSC / CPSIA — consumer product safety Consumer products; children's products need third-party testing and a Children's Product Certificate.				
☐	DOE / CEC energy efficiency Commonly relevant when you ship an external power supply or a battery charger.				
☐	California Proposition 65 State-level warning requirement for listed chemicals in products sold in California.				
☐					
☐					

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05 Cross-cutting standards

International standards commonly used as the test basis in many markets. Your lab confirms which edition and which parts apply.

APPLIES?	CERTIFICATION / STANDARD — COMMONLY RELEVANT FOR...	LAB / AGENCY	EST. COST (YOUR QUOTE)	LEAD TIME (YOUR QUOTE)	STATUS
☐	IEC 62368-1 Safety of audio / video, information and communication technology equipment.				
☐	IEC 60601-1 (+ collaterals, e.g. IEC 60601-1-2 for EMC) Medical electrical equipment — basic safety and essential performance.				
☐	IEC 61010-1 Safety of electrical equipment for measurement, control, and laboratory use.				
☐	IEC 60335 series Safety of household and similar electrical appliances.				
☐	IEC 60204-1 Electrical equipment of machines, including special-purpose machines.				
☐	IEC 60529 — IP code Defines and tests the ingress protection (dust / water) rating you claim.				
☐	IEC 62133-2 Safety of rechargeable lithium cells and batteries for portable applications.				
☐	UN 38.3 Transport tests for lithium cells and batteries, alone or in equipment; carriers ask for the test summary.				
☐	EMC test standards (e.g. CISPR 32 / CISPR 35, IEC 61000-4 series) The emissions and immunity tests behind EMC approvals in many markets.				
☐	ISO 14971 · IEC 62304 · ISO 13485 Medical devices: risk management, software lifecycle, and quality management system.				
☐					

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06 Roadmap summary

Put the items that apply in order. Costs and lead times are the figures labs and consultants quote you — not estimates from this sheet.

#	CERTIFICATION / TEST	MARKET	LAB / AGENCY	SAMPLES & DOCUMENTS NEEDED	START	TARGET DONE	EST. COST (QUOTED)	STATUS
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								

CRITICAL PATH

Which approval gates launch, and what it waits on

PRE-COMPLIANCE PLAN

In-house checks or lab pre-scans before formal testing

TOTAL BUDGET (YOUR QUOTES)

Sum of quoted costs; currency; what is excluded

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Next steps with BrahmWorks

Certification is easier when it is designed in. Bring the profile and your open questions early.

Where are you on certification?

- ☐ Not sure what applies yet
- ☐ List drafted — need to confirm with a lab
- ☐ Design changes needed to pass (EMC, safety, IP)
- ☐ In testing — fixing failures

WHAT YOU WANT HELP WITH

Talk to us

brahmworks.com/contact →

Share the product profile and the rows you have ticked. We help design for compliance and work alongside your test lab or consultant.

WHAT TO BRING

- The product profile and target markets
- Your ticked rows and open questions
- Schematics, enclosure CAD, and the radio / battery parts used

Resources for founders

brahmworks.com/resources →

More fillable tools, playbooks, and guides for hardware founders — including the Hardware Founder Toolkit and the Product Anatomy Workbook.

Partner, not vendor. We design with compliance in mind and work alongside your lab or consultant — we do not issue certificates.

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