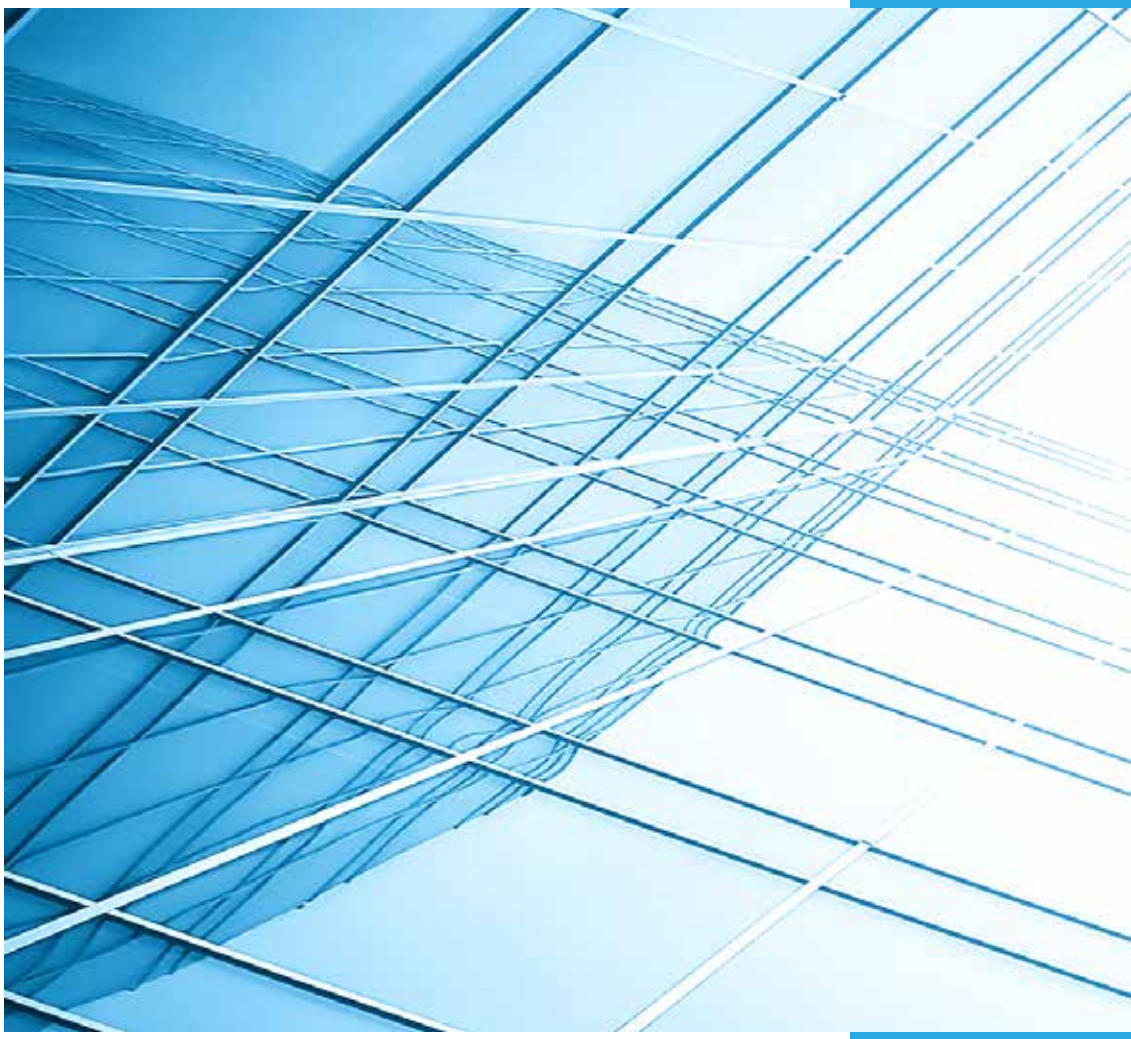
XEVO
SOLUTIONS

CERTIFICATION

BIS/ISI | TEC | ISO | BEE | WPC | EPR

www.xevosolutions.com



About Us

XEVO SOLUTIONS is a leading provider of certification and compliance services, renowned for its commitment to quality, efficiency, and customer satisfaction. With a team of seasoned and highly qualified professionals with a client-centric approach, XEVO SOLUTIONS strives to exceed expectations and deliver unparalleled results.

Services

"We offer insightful, strategic guidance specifically tailored to your business needs, ensuring you stay ahead of the competition."

Advantages of Choosing XEVO SOLUTIONS

- Expertise and experience in certification and compliance services
- Timely completion of certification procedures, ensuring faster market entry
- Tailored solutions to meet specific business requirements
- Cost-effective services without compromising on quality

Who We Are:

At XEVO SOLUTIONS, we are a dedicated team of experts committed to promoting safety, quality, and compliance across industries. With years of experience and a passion for excellence, we provide comprehensive technical support services, testing, and certification solutions to businesses worldwide.

Our mission is simple: to empower organizations with the knowledge and tools they need to create safer, more secure, and sustainable environments for their employees and customers. From BIS certification to specialized services, we offer a wide range of solutions tailored to meet the unique needs of each client.

At XEVO SOLUTIONS, integrity, quality, and customer satisfaction are at the heart of everything we do. We pride ourselves on our unwavering commitment to delivering exceptional service, ensuring that our clients can trust us to exceed their expectations every step of the way.

With a focus on innovation, efficiency, and continuous improvement, we strive to be the partner of choice for businesses seeking reliable certification and technical support services. When you choose XEVO SOLUTIONS, you can rest assured that you are partnering with a team that is dedicated to your success.

Our Mission

"At XEVO SOLUTIONS, our mission is to contribute to a safer, more secure, and sustainable world. We are dedicated to promoting safety and public well-being through our technical support services, comprehensive testing, and rigorous certification processes."

Our Vision

Our vision is to lead globally in certification, setting the highest standards. We empower individuals and organizations to show their expertise and commitment to excellence. Through innovation, inclusivity, and transparency, we build trust and credibility. By offering rigorous assessments and trusted credentials, we see certification as a beacon of quality and ethics, opening doors to growth and success.

Our Services

XEVO SOLUTIONS prides itself on offering rare and specialized certification services that set it apart from the competition. These include:

BIS Certification (ISI Mark)

Understanding BIS Certification Bureau of Indian Standards (BIS) certification is a hallmark of quality, safety, and reliability for products sold in the Indian market. It ensures that products adhere to specified standards, enhancing consumer trust and marketability. XEVO SOLUTIONS offers comprehensive BIS certification services, covering a wide range of products and industries

We aim to be the trusted partner of choice for foreign manufacturers seeking BIS certification, providing efficient and reliable services that streamline market access to India. Guided by innovation, expertise, and integrity, we aspire to foster strong partnerships with international stakeholders, promoting harmonization of standards and enhancing the competitiveness of Indian and foreign industries alike.

BIS Certification for foreign manufactures (FMCS)

BIS (Bureau of Indian Standards) Certification for Foreign Manufacturers (FMCS) is a scheme initiated by the Indian government to regulate the quality of products imported into India. Under this scheme, foreign manufacturers are required to obtain BIS certification for certain products before they can be sold in the Indian market.

Xevo Solutions is to be the premier facilitator of global trade by ensuring seamless compliance with Indian standards through the Foreign Manufacturers Certification Scheme (FMCS).

Domestic Product Certification (ISI Mark)

Xevo Solutions is to be the cornerstone of quality assurance and consumer protection in India through the Domestic Product Certification (ISI Mark) program. We aim to establish the ISI Mark as the gold standard of quality, symbolizing excellence, safety, and reliability in every product bearing its imprint. Guided by a commitment to uphold the highest standards of integrity, professionalism, and impartiality, we strive to empower consumers with confidence in the products they purchase and use daily. Through robust certification processes, continuous improvement, and stakeholder engagement,

we envision a marketplace where the ISI Mark not only signifies compliance with Indian standards but also signifies a commitment to customer satisfaction, sustainable manufacturing practices, and national progress.

IS Certification for Toys (ISI Mark)

Our vision is to ensure the safety, quality, and enjoyment of children through the BIS Certification for Toys program, symbolized by the prestigious ISI Mark. We aim to establish the ISI Mark as a trusted emblem of compliance with rigorous safety and quality standards, instilling confidence in parents, caregivers, and consumers nationwide.

BIS Certification for Textiles (ISI Mark)

BIS Certification, including the ISI mark, is not mandatory for textiles in India. However, there are certain voluntary standards set by the Bureau of Indian Standards (BIS) that textile manufacturers can choose to adhere to. These standards ensure that textile products meet certain quality and safety criteria.

Textile manufacturers can apply for BIS certification voluntarily to demonstrate compliance with these standards.

BIS Certification for White Goods (ISI Mark)

The Bureau of Indian Standards (BIS) Certification, often referred to as the ISI mark, is a mandatory certification for certain products sold in India. It ensures that the products adhere to the Indian standards set by the Bureau of Indian Standards.

For white goods like refrigerators, air conditioners, washing machines, etc., obtaining BIS certification is crucial for manufacturers and importers to demonstrate compliance with safety, quality, and performance standards specified by BIS.

BIS Certification for Metals (ISI Mark)

BIS Certification, including the ISI mark, is applicable to various metals and metal products in India. The Bureau of Indian Standards (BIS) has set standards for different types of metals to ensure their quality, safety, and conformity to specified criteria.

Having the ISI mark on metal products is beneficial for manufacturers as it demonstrates their commitment to quality and compliance with recognized standards. It also enhances consumer confidence in the products and can facilitate their acceptance in the market. Additionally, some government tenders and contracts may require products to have BIS certification, making it essential for manufacturers operating in certain sectors.

BIS Certification for Pipe and Polymer (ISI Mark

Bureau of Indian Standards (BIS) certification, often represented by the ISI mark, is indeed applicable to pipes and polymer products in India. These certifications ensure that products meet the specified quality and safety standards set by BIS.

BIS Certification for Footwear (ISI Mark)

Footwear testing and certification involve ensuring that footwear products meet specific quality, safety, and performance standards set by regulatory bodies or industry organizations. While BIS certification is not mandatory for footwear in India, other countries may have their own certification requirements. Here's an overview of the typical process for footwear testing and certification:

Identification of Standards: The manufacturer or importer identifies the relevant standards and regulations applicable to the target market. These standards may cover various aspects such as material quality, construction, safety features, and performance criteria.

BIS-CRS Registration (CRS-Compulsory Registration Scheme)

List of product Covered under CRS

Sr No.	Product Name	Indian Standard
1.	Automatic Data Processing Machine Laptop/Notebook/Tablet Printers, Plotters Scanners Set Top Box Telephone Answering Machines Visual Display Units, Videos Monitors Wireless Keyboards Cash Registers Copying Machines/Duplicators Passport Reader Point Of Sale Terminals Mail Processing Machines/Postage Machines/Franking Machines Power Banks For Use In Portable Applications Smart Card Reader Mobile Phones Power Adaptors For It Equipments Cctv Cameras/Cctv Recorders Usb Driven Barcode Readers, Barcode Scanners, Iris Scanners, Optical Fingerprint Scanners Smart Watches Keyboard Automatic Teller Cash Dispensing Machines Usb Type External Hard Disk Drive Usb Type External Solid-State Storage Devices (Above 256 Gb Capacity) Standalone Switch Mode Power Supplies (Smps) With Output Voltage 48v (Max) Digital Camera	IS 13252 (Part 1) : 2010
2.	Amplifiers With Input Power 2000w And Above Electronic Games (Video) Electronic Musical Systems With Input Power 200w And Above Optical Disc Players With Built In Amplifiers Of Input Power 200w And Above Power Adaptors For Audio,Video& Similar Electronic Apparatus Plasma/ Lcd/Led Television Wireless Headphone And Earphone Electronic Musical System With Input Power Below 200 Watts Television Other Than Plasma/ Lcd/Led Tvs Wireless Microphone Video Camera Webcam (Finished Product) Smart Speakers (With And Without Display) Bluetooth Speakers	IS 616 : 2017
3.	Electronic Clocks With Mains Power	IS 302-2-26:2014*
4.	Microwave Ovens	IS 302-2-25:2014*
5.	Self-Ballasted Led Lamps For General Lighting Services	IS 16102(Part 1):2012*

Sr No.	Product Name	Indian Standard
6.	Dc Or Ac Supplied Electronic Controlgear For Led Modules	IS 15885(Part 2/Sec 13):2012*
7.	Fixed General Purpose Led Luminaires	IS 10322(Part 5/Sec 1):2012*
8.	Ups/Invertors Of Rating <= 5kva	IS 16242(Part 1):2014*
9.	Sealed Secondary Cells/Batteries Containing Alkaline Or Other Non-Acid Electrolytes For Use In Portable Applications Part 1 Nickel Systems	IS 16046:2018*
10.	Sealed Secondary Cells/Batteries Containing Alkaline Or Other Non-Acid Electrolytes For Use In Portable Applications Part 2 Lithium Systems	IS 16046:2018*
11.	Indian Language Support For Mobile Phone Handsets	IS 16333 (Part 3) : 2016*
12.	Recessed Led Luminaries	IS 10322 (Part 5/Section 2) : 2012
13.	Led Luminaires For Road And Street Lighting	IS 10322 (Part 5/Section 3) : 2012
14.	Led Flood Lights	IS 10322 (Part 5/Section 5) : 2013
15.	Led Hand Lamps	IS 10322 (Part 5/Section 6) : 2013
16.	Led Lighting Chains	IS 10322 (Part 5/Section 7) : 2013
17.	Led Luminaires For Emergency Lighting	IS 10322 (Part 5/Section 8) : 2013
18.	Ups/Inverters Of Rating <= 10kva	IS 16242 (Part 1) : 2014
19.	Adapters For Household And Similar Electrical Appliances	IS 302 (Part 1) : 2008
20.	Crystalline Silicon Terrestrial Photovoltaic (Pv) Modules (Si Wafer Based)	IS 14286 : 2010/ IEC 61215 : 2005, IS/ IEC 61730 (Part 1) : 2004 & IS/IEC 61730 (Part 2) : 2004
21.	Thin-Film Terrestrial Photovoltaic (Pv) Modules (A-Si, Cigs And Cdte)	IS 16077 : 2013/ IEC 61646 : 2008, IS/IEC 61730 (Part 1) : 2004 & IS/IEC 61730 (Part 2) : 2004
22.	Power Invertors For Use In Photovoltaic Power System	IS 16221 (Part 2) : 2015
23.	Utility-Interconnected Photovoltaic Inverters	IS 16221 (Part 2) : 2015 & IS 16169 : 2014
24.	Storage Battery	IS 16270 : 2014
25.	Independent Led Modules For General Lighting	IS 16103 (Part 1) : 2012
26.	Lighting Chain (Rope Lights)	IS 10322 (Part 5/Sec 9) : 2017
27.	Induction Stove	IS 302-2-6 : 2009
28.	Rice Cooker	IS 302-2-15 : 2009
29.	Dimmers For Led Products	IS 60669-2-1: 2008
30.	Ortho Phosphoric Acid	IS 798 : 2020
31.	Polyphosphoric Acid	IS 17439:2020
32.	Cotton Bales	IS 12171:2019
33.	Trimethyl Phosphite Technical Grade	IS 17412:2020
34.	Television Sets	IS 18112:2022

TEC-Approval

TEC Approval, also known as Telecom Engineering Centre (TEC) Approval, is a certification process required for certain telecommunications equipment in India. TEC is a nodal agency under the Department of Telecommunications (DoT) responsible for formulating standards, specifications, and testing procedures for telecom equipment.

Mandatory Testing and Certification of Telecom Equipment (MTCTE)

TEC notification provides that all telecom equipment notified under MTCTE must undergo mandatory testing and certification prior to sale, import of use in India.

The testing is to be carried out based on the Essential Requirements for the equipment, by Indian Accredited(Labs designated by TEC) and based on their test reports, TEC issuing the certificate.

TEC has covered the 57productsunder MTCTE categorytill phase 5.

Products covered under MTCTE:

Sr No.	Products covered in TEC	Phase
1	2- Wire Telephone Equipment	Phase 1
2	G3 Fax Machine	Phase 1
3	Modem	Phase 1
4	Cordless Telephone	Phase 1

5	ISDN Customer Premises Equipment	Phase 1
6	Private Automatic Branch Exchange(PABX)	Phase 1
7	PON Family of Broadband Equipment	Phase 2
8	Feedback Devices	Phase 2
9	Transmission Terminal Equipment	Phase 2
10	Equipments Operating in 2.4 GHz and 5 GHz Band	Phase 3
11	End Point Device for Environmental Monitoring	Phase 3
12	Repeater for Cellular Network	Phase 3
13	Base Station for Cellular Network	Phase 3
14	Compact Cellular Network	Phase 3
15	IoT Gateway	Phase 3
16	Tracking Device	Phase 3
17	Smart Electricity Meter	Phase 3
18	Mobile Radio Trunking System	Phase 4
19	Conferencing Equipment	Phase 4
20	HF Radio	Phase 4
21	VHF UHF Radio System Equipment	Phase 4
22	PTP PMP Microwave Fixed Radio Systems	Phase 4
23	Media Gateway	Phase 4
24	Signalling Gateway	Phase 4
25	Session Border Controller	Phase 4
26	Softswitch	Phase 4
27	DSL Equipments	Phase 4
28	Satellite Communication Equipment	Phase 4
29	LAN Switch	Phase 4

Sr No.	Products covered in TEC	Phase
30	Router	Phase 4
31	IP Security Equipment Precision Timing Protocol Grand Master Equipment	Phase 4
32	Mobile Management Entity	Phase 4
33	Cell Broadcast Centre	Phase 4
34	IP Multimedia Conferencing Equipment	Phase 4
35	BSC RNC	Phase 4
36	SMLC or eSMLC	Phase 4
37	SGSN or GGSN	Phase 4
38	HLR AUC HSS	Phase 4
39	MSC or MSC-S or GMSC or GMSC-S including VLR	Phase 4
40	Infiniband Switch	Phase 4
41	OTA and DM or FOTA	Phase 4
42	SCP	Phase 4
43	OMC or EMS or NMS or OSS	Phase 4
44	S-GW or P-GW	Phase 4
45	SMSC	Phase 4
46	GMLC	Phase 4
47	EIR	Phase 4
48	Optical Fibre Cable	Phase 4
49	SIM	Phase 4
50	Radio Broadcast Receiver RBR	Phase 4
51	Optical Fibre - Single Mode	Phase 4
52	Base Station for Cellular Network for 5G	Phase 5
53	5G Core	Phase 5
54	Hypervisor	Phase 5
55	E-band Fixed Radio Relay Systems	Phase 5
56	Converged Multiservice Application Access Equipmnt	Phase 5
57	IP Terminal	Phase 5

Here's an overview of the TEC Approval process:

1. Preparation of the application documents
2. Product testing as TEC Product ERs
3. Submission of manufacturer documents and test reports
4. Issuance of the TEC certificate

Application Submission: The manufacturer or importer of the telecommunications equipment submits an application for TEC Approval to the Telecom Engineering Centre.

Documentation: The applicant provides all necessary documentation, including product details, technical specifications, test reports, and compliance certificates.

Testing and Evaluation: The telecommunications equipment undergoes thorough testing and evaluation to ensure compliance with the technical standards and specifications defined by TEC. This testing covers various aspects such as electrical safety, electromagnetic compatibility (EMC), performance parameters, and interoperability.

Certification: Upon successful completion of testing and evaluation, TEC issues the TEC Approval certificate, indicating that the telecommunications equipment meets the required technical standards and is approved for use in India.

Compliance Marking: Telecommunications equipment that has obtained TEC Approval may be required to bear the compliance marking specified by TEC. This marking serves as an indication to consumers and regulators that the equipment has met the necessary requirements.

Renewal and Surveillance: TEC Approval certificates may have a validity period, after which they need to be renewed. Additionally, TEC may conduct periodic surveillance and audits to ensure ongoing compliance with the technical standards.

TEC Approval is essential for telecommunications equipment manufacturers and importers to legally sell their products in the Indian market. It ensures that the equipment meets the required technical standards, thereby promoting interoperability, safety, and quality in the telecommunications sector.

Voluntary Testing Certification

TEC also offeringthe voluntary certification schemes based on its product and relevant technical standards.This schemes certify the product and equipment based on the testing against the related parameters and conditions in the respective TEC technical standards. The testing is generally carried out on-site at the manufacturer'slocation or in lab environment.

There are different scheme under Voluntary Certification:

- Type Approval
- nterface Approval
- Certificate of Approval
- Technology Approval

EPR Certification (EPR)

"EPR" typically stands for "Extended Producer Responsibility." It's a policy approach in waste management and environmental protection where manufacturers or producers of products are held responsible for the entire lifecycle of their products, including their disposal and recycling.

However, there is no specific certification known as "EPR Certification." Instead, compliance with Extended Producer Responsibility regulations and policies may involve various requirements and guidelines set forth by regulatory authorities or environmental agencies in different countries or regions.

In some cases, companies may undergo audits or assessments to demonstrate their compliance with EPR regulations, but these processes are not standardized across all jurisdictions.

If you're looking for information on how to comply with Extended Producer Responsibility regulations in a specific region or country, it's best to consult the relevant environmental regulatory authorities or seek guidance from environmental consultants familiar with local regulations.

» **E-Waste Management (EWM)**

E-Waste Management (EWM) refers to the systematic handling, collection, recycling, and disposal of electronic waste (e-waste). E-waste includes discarded electronic devices such as computers, laptops, mobile phones, televisions, refrigerators, and other electrical or electronic appliances.

Efficient management of e-waste is essential due to its potential environmental and health hazards. Many electronic products contain toxic substances such as lead, mercury, cadmium, and brominated flame retardants, which can pollute the environment if not properly managed

» **Battery-Waste Management (BWM),**

Battery Waste Management (BWM) involves the proper handling, collection, recycling, and disposal of batteries to minimize environmental and health risks associated with their improper disposal. Batteries contain various hazardous substances such as lead, mercury, cadmium, and lithium, which can contaminate soil, water, and air if not managed correctly.

» **Plastic Waste Management (PWM)**

Plastic Waste Management (PWM) refers to the systematic handling, collection, recycling, and disposal of plastic waste to minimize its environmental impact. Plastic waste poses significant challenges due to its persistence in the environment and its adverse effects on ecosystems, wildlife, and human health.

WPC-ETA Approval

We are trusted facilitator of seamless access to the Indian wireless communication market through efficient and transparent WPC-ETA approval services. Guided by a commitment to integrity, expertise, and customer satisfaction, we aim to empower manufacturers, importers, and stakeholders with the assurance that their wireless communication devices meet the regulatory requirements set by the Wireless Planning and Coordination Wing.

BEE Certification

We are the way towards a sustainable and energy-efficient future through the facilitation of BEE certification. Guided by a commitment to excellence, innovation, and environmental stewardship, we aim to empower businesses, industries, and consumers with the tools and knowledge to reduce energy consumption, lower carbon emissions, and enhance operational efficiency.

Brand/Trademark Registration

We are the way towards a sustainable and energy-efficient future through the facilitation of BEE certification. Guided by a commitment to excellence, innovation, and environmental stewardship, we aim to empower businesses, industries, and consumers with the tools and knowledge to reduce energy consumption, lower carbon emissions, and enhance operational efficiency.

ISO Certification

By providing comprehensive certification services, expert guidance, and fostering collaboration with stakeholders, we envision a world where ISO-certified organizations not only meet regulatory requirements but also exceed expectations for operational efficiency, product quality, and customer satisfaction. Through continuous innovation, research, and stakeholder engagement, we aspire to drive organizational growth, enhance competitiveness, and contribute to the advancement of global best practices.

Laboratory Setup & Equipments for Manufacturers

We are providing end to end complete setting up a laboratory for manufacturers involves careful planning and selection of equipment to support various aspects of product development, quality control, and compliance testing. Here's an overview of key considerations and common equipment categories:

Laboratory Design and Layout:

Determine the space requirements based on the intended scope of laboratory activities.

Plan for adequate ventilation, safety features, and storage areas for chemicals and equipment.

Consider ergonomic factors to optimize workflow and ensure efficient use of space.

- Basic Laboratory Equipment
- Quality Control Equipment
- Testing Equipment
- Safety and Environmental Monitoring
- Documentation and Data Management

When selecting laboratory equipment, manufacturers should consider factors such as reliability, accuracy, ease of use, maintenance requirements, and compliance with relevant standards and regulations. Additionally, training and proficiency in equipment operation and maintenance are essential to ensure optimal performance and safety in the laboratory.

Setup & Equipments for laboratoriesas per ISO/IEC 17025 (NABL)

Setting up a laboratory inaccordance with ISO/IEC 17025, which is the international standard for testing and calibration laboratories, requires careful planning and adherence to specific requirements outlined in the standard. The National Accreditation Board for Testing and Calibration Laboratories (NABL) in India is the accrediting body that assesses laboratories against the ISO/IEC 17025 standard. Here's a guide to setting up a laboratory and selecting equipment in compliance with ISO/IEC 17025:

Infrastructure and Facilities:

Design and layout the laboratory space to accommodate various testing and calibration activities, ensuring adequate separation between different work areas to prevent cross-contamination or interference.

Provide sufficient space for equipment, storage of samples, reference materials, and documentation.

Ensure proper ventilation, lighting, and environmental conditions to meet the requirements of the tests and calibrations being performed.

Management System:

Establish and document quality management procedures and processes in accordance with ISO/IEC 17025 requirements.

Implement a quality manual, standard operating procedures (SOPs), and documentation control procedures to ensure consistency and traceability of laboratory activities.

Competence of Personnel:

Employ qualified and competent staff with appropriate education, training, and experience to perform testing and calibration activities.

Provide ongoing training and competency assessment to ensure staff proficiency and compliance with ISO/IEC 17025 requirements.

Equipment and Measurement Traceability:

Select and calibrate equipment and measurement standards traceable to national or international standards.

Maintain records of equipment calibration and verification, including calibration certificates, calibration schedules, and measurement uncertainty calculations.

Method Validation and Verification:

Validate and verify test and calibration methods to ensure they are fit for purpose, accurate, and reliable.

Document validation and verification procedures, including acceptance criteria, test results, and uncertainty estimates.

Quality Control and Assurance:

Implement quality control measures to monitor the performance of tests and calibrations, including the use of reference materials, internal quality control samples, and proficiency testing programs.

Establish procedures for handling non-conforming work, corrective actions, and continuous improvement.

Accreditation and Compliance:

Seek accreditation from NABL or other recognized accreditation bodies to demonstrate compliance with ISO/IEC 17025.

Prepare for accreditation assessments by conducting internal audits, addressing non-conformities, and maintaining documentation of compliance.

When selecting equipment for the laboratory, consider factors such as accuracy, precision, reliability, and suitability for the intended tests or calibrations. Calibration standards, reference materials, and measurement devices should be traceable to national or international standards to ensure metrological traceability. Additionally, ensure that equipment meets any specific requirements outlined in ISO/IEC 17025 and relevant testing methods. Regular maintenance, calibration, and verification of equipment are essential to maintain measurement traceability and ensure the quality and reliability of laboratory results.

Import Export Licence

Import-export licenses are official authorizations granted by government agencies that allow individuals or businesses to engage in importing and/or exporting goods across international borders. The specific requirements and procedures for obtaining import-export licenses vary by country and depend on factors such as the nature of the goods being traded, the destination or origin of the goods, and applicable trade regulations.

Support in Customs Clearance

Customs clearance refers to the process of completing the necessary documentation and procedures required by customs authorities to allow goods to enter or leave a country's borders.

Third Party Inspections / Training.

Customs clearance refers to the process of completing the necessary documentation and procedures required by customs authorities to allow goods to enter or leave a country's borders.

Client's we Work's with

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