

# Mauritius Standards Bureau

**Vision: To be the Centre of Excellence in Standards, Metrology and Conformity Assessment Services**

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## **MS ISO/IEC 27001 :2022 Information Security Management Systems Implementer Course at the Mauritius Standards Bureau**

ISO/IEC 27001 is an international standard that provides a framework for establishing, implementing, maintaining, and continually improving an information security management system (ISMS). The standard specifies requirements for managing the security of sensitive information, such as financial data, intellectual property, and personal data. It is designed to ensure the confidentiality, integrity, and availability of information by identifying and mitigating risks to information security.



Participants together with Mrs. Sandhya Boygah, General Manager of MSB, and Mr. Devadula Naagaraju, resource person from FICCI.

In October 2022, a new version of ISO/IEC 27001 was released. In light of this development, the Mauritius Standards Bureau (MSB), in conjunction with the Federation of Indian Chambers of Commerce & Industry (FICCI), organized a training program on the MS ISO/IEC 27001:2022 Information Security Management Systems Implementer Course. The training was held from May 3 to May 5, 2023, and led by Mr. Devadula Naagaraju, a seasoned resource person from FICCI with over 15 years of experience in training on IT security-related topics. The participants in this training included key players in the telecommunications sector, as well as individuals from the accreditation and certification domains.

Some key aspects covered during this course were:

- Introduction to ISMS, clauses and explanation,
- Implementation of the key elements of the standard,
- Generating checklist and preparing implementation road map,
- Internal Audit and management review process.

MSB invites all interested parties to download its training calendar from its website to take cognizance of other training courses.

## World Metrology Day



World Metrology Day is an annual event during which more than 80 countries celebrate the impact of measurement on our daily lives. It is celebrated annually on May 20<sup>th</sup> and this date was chosen in recognition of the signing of the Metre Convention on 20 May 1875, the beginning of formal international collaboration in metrology. Each year World Metrology Day is organized and celebrated jointly by the International Bureau of Weights and Measures (BIPM) and the International Organization of Legal Metrology (OIML) with the participation of the national organizations responsible for metrology.

The theme for World Metrology Day 2023 is Measurements supporting the global food system. This theme was chosen because of the increasing challenges of climate change, and global distribution of food in a world whose population reached 8 billion at the end of 2022.

Across the world, national metrology institutes continually advance measurement science by developing and validating new measurement techniques at the necessary level of sophistication. The national metrology institutes participate in measurement comparisons coordinated by the Bureau International des Poids et Mesures (BIPM) to ensure the reliability of measurement results worldwide.

The International Organization of Legal Metrology (OIML) develops International Recommendations, which aim to align and harmonize requirements worldwide in many fields. The OIML also operates the OIML Certification System (OIML-CS) which facilitates international acceptance and global trade of regulated measuring instruments.

These international metrology systems provide the necessary assurance and confidence that measurements are accurate, providing a sound basis for global trade today and helping us to prepare for the challenges of tomorrow.

World Metrology Day recognizes and celebrates the contribution of all the people that work in intergovernmental and national metrology organizations and institutes throughout the year.

More information on the World Metrology Day is available on [World Metrology Day - 20 May 2023](https://www.worldmetrologyday.org).

## Visite des délégués de la Chambre de Commerce et d'Industrie d'Antananarivo (CCIA) au Mauritius Standards Bureau

Le 28 avril 2023, une délégation de la Chambre de Commerce et d'Industrie d'Antananarivo (CCIA) de Madagascar, comprenant le Président, le Conseiller et le Directeur Général, a visité le Mauritius Standards Bureau. Cette visite avait pour objectif de rencontrer diverses entités publiques et privées mauriciennes afin d'établir des relations de partenariat.



Les délégués de la Chambre de Commerce et d'Industrie d'Antananarivo (CCIA) avec l'effectif du Bureau.

En effet, la CCIA a pour projet de mettre en place un organisme de certification et un laboratoire d'analyses accrédités à Madagascar pour soutenir les entreprises malgaches. La délégation malgache voulait visiter les laboratoires d'analyses du bureau dans le cadre de la mise en œuvre de ce projet.

Au cours de leur visite, des discussions ont eu lieu sur plusieurs domaines de collaboration pour le bénéfice mutuel des deux organisations, notamment sur l'échange d'expériences et d'information sur les questions de normes et de certification. Des discussions ont également porté sur des pistes de partenariat entre la CCIA et le MSB en matière de formations techniques.

## Breakfast meeting with representatives of the Ministry of Education, Tertiary Education, Science and Technology.

The Mauritius Standards Bureau (MSB) recently organized a breakfast meeting with senior officers from the Ministry of Education, Tertiary Education, Science and Technology on March 2, 2023. The primary goal of this meeting was to identify opportunities for collaboration and partnership between the two organizations, with a particular focus on leveraging MSB's expertise in conformity testing and certification to improve critical departments within the ministry.



Members of the Ministry of Education, Tertiary Education, Science and Technology at MSB

MSB presented proposals to collaborate with the Ministry in various endeavors, including the task of testing drinking water at schools and colleges. Additionally, MSB proposed conducting swabbing exercises in school canteens.

The ministry officials were receptive to these initiatives from MSB. Mrs. Sandhya Boygah, General Manager of MSB, expressed her gratitude to the attendees for their participation and commended them for their willingness to collaborate.



## Experts from the Food and Agriculture Organization (FAO) at the Mauritius Standards Bureau (MSB)



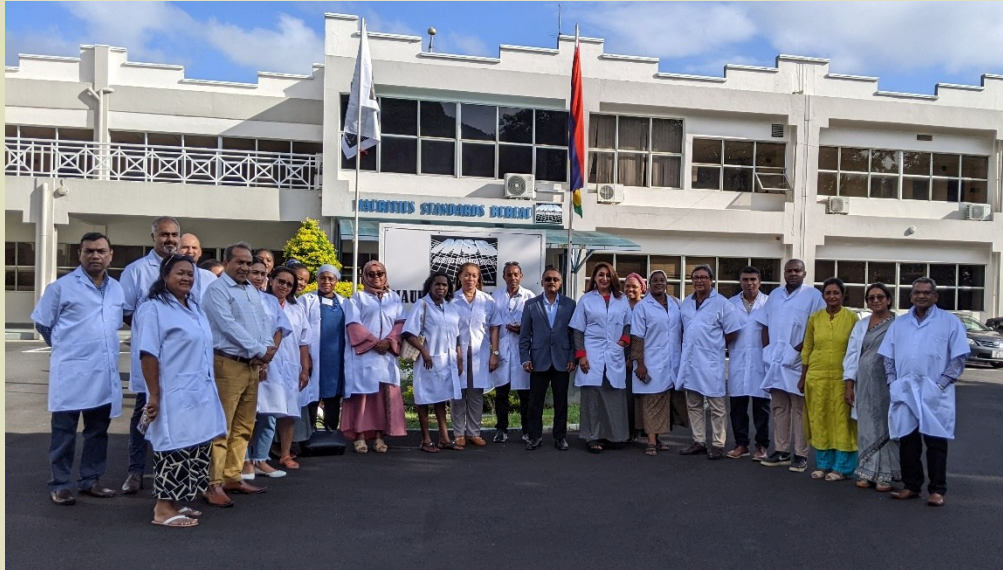
FAO experts, National Consultant,  
National Project Coordinator and the MSB team

On March 8 2023, experts from FAO visited MSB with the primary objective to meet key personnel from the Bureau to present the FAO/WHO Food Control System Assessment Tool. This tool which was developed by FAO, together with the World Health Organization, will be used as a foundation for enhancing food control and phytosanitary capabilities in Mauritius. The experts in attendance were Dr. Dennis Bittisnich and Mr. David Eboku, both from the FAO, accompanied by Mr. Faizal Jawaheer, National Consultant, and Mr. Yousouf Gaungoo, the Na-

tional Project Coordinator.

During the meeting, the experts met Mrs. Sandhya Boygah, the General Manager and her team to deliberate on food control, given that the Bureau plays a pivotal role in the chain of food safety management. To this end, Mrs. Samila Goundan-Gobalakisnin, the Acting Manager of the Food Microbiology Laboratory, was nominated as the focal point at MSB and her primary responsibility will be to collect and compile data against the 162 assessment criteria present in the FAO/WHO Food Control System Assessment Tool.

MSB will provide data to the experts to enable them to evaluate the legal and institutional frameworks that support food control activities, including the existence and enforcement of food safety legislation. In addition, the data will help authorities to monitor food safety risks and take appropriate measures to ensure that food products meet established safety and quality standards. The tool will also evaluate the ability of authorities to monitor and assess food safety risks, with a specific focus on the capacity of laboratories to provide reliable conformity assessment services in the food sector.



### **Cap Business Indian Ocean at MSB**

Cap Business Indian Ocean is an association that brings together prominent chambers of commerce and industry, along with other professional organizations from six islands situated in the region. These islands are Comoros, Madagascar, Mauritius, Mayotte, Reunion, and Seychelles. The primary objective of Cap Business Indian Ocean is to promote cooperation among the regional economic players through its various initiatives and actions.

On March 23 2023, members of Cap Business Indian Ocean paid a visit to the Mauritius Standards Bureau (MSB) to explore potential avenues for collaboration and partnership. During this visit, Mrs. Sandhya Boygah, General Manager of MSB, delivered a comprehensive presentation on the Bureau's activities. Mr. Sanjiv Mulloo, the Chairman of the Standards Council equally expressed his support for collaboration between MSB and Cap Business Indian Ocean, emphasizing the importance of working together to enhance the business society in the region. Mr. Yusuf Foondun, Deputy Director also explained to the visitors how MSB could exchange information and technical know-how to facilitate trade among the neighboring islands. As part of the visit, members of Cap Business Indian Ocean had the opportunity to tour the MSB laboratories, interact with technicians, and gain insights into the tests and processes performed at the Bureau.



Mr. C. Baichoo, Head of the Chemical Unit welcoming members of Cap Business Océan Indien in the Chemical Technology laboratory.

In conclusion, the visit of Cap Business Océan Indien members to MSB served as a significant step towards enhancing regional cooperation and promoting economic growth in the region. The exchange of ideas and exploration of potential partnership opportunities bode well for the future of the business society in the Indian Ocean region.



## Independence Day at the Mauritius Standards Bureau

As Mauritius marks its 55th Independence Day, the Mauritius Standards Bureau organized a solemn flag-raising ceremony to commemorate this historic day in our nation's history. Mr. Sanjiv Mulloo, Chairman

of the Standards Council, was present to grace this occasion, and his speech served as a reminder of the struggles and sacrifices that led to Mauritius' independence, as well as the immense pride we should feel in our accomplishments as a nation.



Mr. Sanjiv Mulloo emphasized the cultural values that have been instrumental to the success of Mauritius, particularly the ethic of hard work and the importance of thinking about future generations.

These values, he noted, are deeply ingrained in our national DNA and have played a vital role in shaping the nation we are today.

As the flag of Mauritius was raised high, the ceremony was a poignant reminder of the freedom and autonomy that we enjoy as a sovereign nation, as well as the importance of preserving and upholding the values that have contributed in making our nation great.

## MSB participated in La Grande Foire de l'Indépendance

MSB actively participated in the highly anticipated event ['La Grande Foire de l'Indépendance'](#), which took place from 3 to 5 March 2023 in Central Flacq. This fair was organized by the Ministry of Industrial Development, SMEs and Cooperatives and featured a diverse range of local small and medium-sized enterprises (SMEs) and local manufacturers.

As a key participant in this event, MSB demonstrated its commitment to supporting the local manufacturers in improving quality and promoting economic growth. By showcasing its services and standards, the Bureau played an integral role in educating both businesses and consumers about the importance of adhering to high-quality standards, thereby promoting safety, reliability, and quality in general.

Overall, the event was a resounding success, with MSB playing a pivotal role in raising awareness about the importance of quality standards and supporting the growth of local businesses.



## Bridging the Gap to Net Zero: How Standardization is Paving the Way for a Sustainable Future

In 2015, a vast majority of countries worldwide adopted the Paris Agreement with the overarching goal to limit the global temperature increase to well below 2°C above pre-industrial levels and to pursue efforts to limit the temperature increase even further to 1.5°C. The agreement also outlines the objective of reducing greenhouse gas emissions (GHG) by 45% by 2030 and achieving net zero by 2050. In the same spring, the Intergovernmental Panel on Climate Change (IPCC) via the United Nations Framework Convention on Climate Change (UNFCCC) was invited to generate a Special Report in 2018 that explores the impacts of global warming of 1.5°C above pre-industrial levels and corresponding global GHG emissions pathways.

To help guide organizations in this endeavor and respond to the urgent manifesto, the International Organization for Standardization (ISO) has released a new set of guidelines; namely the International Workshop Agreement IWA 42:2022 Net zero guidelines.

Generally, International Workshop Agreements are prepared through a workshop mechanism outside of ISO committee structures, following a procedure that ensures the broadest range of relevant interested parties worldwide have the opportunity to participate, and are approved by consensus amongst experts within the workshops. The IWA is not a standard in the traditional sense, but it can be seen as a precursor to the development of a standard. IWA 42:2022 was approved at a workshop hosted by the British Standards Institution (BSI), in association with Our 2050 World, held virtually in September 2022.

IWA 42:2022 defines net zero as the following: *“condition in which human-caused residual GHG emissions are balanced by human-led removals over a specified period and within specified boundaries”*. The objective of this document is to establish a set of guiding principles and recommendations that can facilitate a worldwide, unified effort towards achieving net zero greenhouse gas emissions. It is recognized that this can be accomplished by harmonizing voluntary initiatives and adoption of standards, policies, as well as national and international regulations.

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In a recent statement, Mrs Sandhya Boygah, the General Manager of the Mauritius Standards Bureau (MSB), emphasized the significance of the IWA 42:2022 Net zero guidelines as a comprehensive framework to assist organizations in their journey towards attaining net zero emissions. The IWA 42:2022 encompasses a broad range of topics, including net zero definition, target-setting, governance, stakeholder engagement, emissions reduction strategies, and monitoring and reporting of progress. According to Mrs Boygah the IWA 42 serves as a critical resource for organizations seeking to transition to net zero emissions, as it offers a homogenous and harmonized approach to achieve set goals.

By incorporating the guidelines set forth in the IWA 42:2022, organizations can demonstrate that their journey towards net zero emissions is effective, transparent, and aligned with best practices. In light of the pressing need to reduce greenhouse gas emissions and mitigate the impacts of climate change, the importance of achieving net zero emissions cannot be overstated. The IWA 42:2022 serves as a valuable resource to help organizations achieve this critical objective. Furthermore, Mrs Boygah is confident that the implementation of these guidelines can expedite the transition to a more sustainable and resilient future.

The net zero guidelines provide guidance on what governance organizations and other organizations can do to effectively contribute to global efforts to limit warming to 1.5 °C by achieving net zero no later than 2050. They provide guidance on a common and equitable contribution and recognizes the capability of individual organizations in contributing to achieving global net zero. This document, when used in combination with applicable science-based pathways, provides guidance for organizations seeking to set robust climate strategies.

It provides common terms and definitions, guidance and specific recommendations on:

- net zero guiding principles for all organizations;
- incorporating net zero into strategies and policies;
- what net zero means at different levels and for different types of organization;
- setting and aligning interim and long-term targets based on equity, latest scientific knowledge, evidence, research and agreed good practice;
- actions to take to achieve these targets;
- greenhouse gas emission reductions within the value chain;
- nature protection and restoration;
- avoided emissions and other climate contributions beyond the value chain;
- removals;
- offsets;
- credits;
- claims;
- monitoring, measuring and use of appropriate and consistent indicators;
- equity, empowerment, fair share and wider impact;
- transparent reporting and effective communication.

The IWA 42:2022 guidelines offer a detailed roadmap for organizations to achieve net zero emissions. It is intended to complement voluntary initiatives and facilitate alignment, so that any organization looking to make or support a net zero claim takes a similar approach regardless of the initiative it is associated with.

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Overall, the IWA 42:2022 guidelines provide a comprehensive and science-based approach for organizations to achieve net zero emissions. By following the principles outlined in the framework, organizations can take a proactive stance on climate action.

Adopting the IWA 42:2022 guidelines can also provide organizations with a competitive advantage. Customers, investors, and stakeholders are increasingly demanding action on climate change, and organizations that can demonstrate a commitment to net zero emissions are likely to be viewed more favorably.

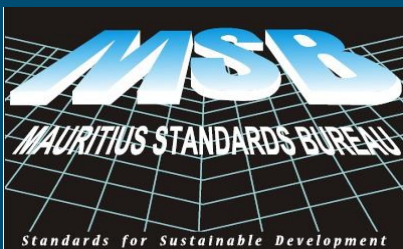
As we continue our journey towards achieving net zero, the landscape is likely to evolve as new technologies, regulations, guidance, knowledge, and practices emerge. Meanwhile, the IWA 42:2022 serves as a comprehensive guide for stakeholders on net zero actions; including preparing internal governance, setting targets, and collaborating to reduce emissions in the supply chain.

The road to net zero is a challenging one which will require strong and committed leadership from the political and business communities along with the ongoing support of civil society.

Achieving net zero will demand substantial investments, unwavering perseverance and resolution, continuous upskilling, effective persuasion, groundbreaking innovation, unreserved transparency, and consistent cooperation. However, the payoff is a promising future, where businesses and communities can thrive in a more resilient world.

The IWA 42:2022 is available for reference at the Standards Information Centre of MSB.

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*Mission: We promote and provide market relevant Standards, Metrology and internationally recognized Conformity Assessment Services for the Business Community, Government and Society at large.*

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