WORLD STANDARDS DAY

SHARED VISION FOR A BETTER WORLD: ICORPORATING SDG3

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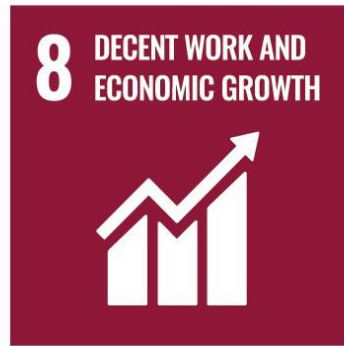2023 WORLD STANDARDS DAY

A SHARED VISION FOR A BETTER WORLD

- Every year on 14th October **World Standards Day** is celebrated, a day that highlights the crucial role that standards play in our Global Society.

- Standards ensure that the products are
  - Safe,
  - Reliable, and
  - Compatible fostering Innovation & Progress

- Standards provide a common language that transcends borders, enabling businesses to
  - Trade,
  - Collaborate, and
  - Innovate on a global scale.

- World Standards Day reminds us of the power of standardization

- It's a day to appreciate the **engineers**, **scientists**, and **experts** who dedicate their time and expertise to develop and maintain these standards, often behind the scenes.

- As we celebrate this day, let's recognize the vital role of standards in improving our quality of life, protecting the environment, and promoting safety and efficiency.

- Let's also commit to embracing and upholding these standards in our work and daily lives, ensuring a better, more harmonious world for generations to come

SUSTAINABLE DEVELOPMENT GOALS (SDG)

➢ **"The 2030 Agenda for Sustainable Development"** adopted by all United Nations Member States in 2015, provides a shared blueprint for Peace and Prosperity for People and the Planet, now and into the future.

➢ At its heart are the 17 Sustainable Development Goals (SDGs), which are an urgent call for action by all countries - developed and developing - in a global partnership.

➢ They recognize that ending poverty and other deprivations must go hand-in-hand with strategies that improves :

❖ health and education

❖ reduce inequality and

❖ spur economic growth – all while tackling Climate Change and working to preserve our Oceans and Forests.

SUSTAINABLE DEVELOPMENT GOALS

1 NO POVERTY

2 ZERO HUNGER

3 GOOD HEALTH AND WELL-BEING

4 QUALITY EDUCATION

5 GENDER EQUALITY

6 CLEAN WATER AND SANITATION

7 AFFORDABLE AND CLEAN ENERGY

8 DECENT WORK AND ECONOMIC GROWTH

9 INDUSTRY, INNOVATION AND INFRASTRUCTURE

10 REDUCED INEQUALITIES

11 SUSTAINABLE CITIES AND COMMUNITIES

12 RESPONSIBLE CONSUMPTION AND PRODUCTION

13 CLIMATE ACTION

14 LIFE BELOW WATER

15 LIFE ON LAND

16 PEACE, JUSTICE AND STRONG INSTITUTIONS

17 PARTNERSHIPS FOR THE GOALS

No Poverty	**End poverty in all its forms everywhere**
Zero Hunger	**End hunger, Achieve Food Security, Improved Nutrition, Promote Sustainable Agriculture**
Good Health & Well Being	**Ensure Healthy Lives And Promote Well-being For All At All Ages**
Quality Education	**Ensures Inclusive and Equitable Quality Education and Promote Life Long Learning Opportunities for All**
Gender Equality	**Achieve Gender Equality and Empower all Women & Girls**
Clean Water & Sanitation	**Ensure Availability and Sustainable Management of Water and Sanitation**
Affordable & Clean Energy	**Ensures access to Affordable, Reliable, Sustainable & Modern Energy**
Decent Work & Economic Growth	**Promote Sustained Inclusive Economic Growth, Full and Productive Employment & Decent Work for All**
Industry Innovation & Infrastructure	**Build Resilient Infrastructure, Promote Inclusive & Sustainable Industrialization & Foster Innovation**

Reduced Inequalities	**Reduce Inequality Within and Among Countries**
Sustainable Cities & Communities	**Make Cities & Human Settlements Inclusive, Safe, Resilient & Sustainable**
Responsible Consumption & Production	**Ensure Sustainable Consumption & Production Patterns**
Climate Action	**Take Urgent Action to Combat Climate Change & its Impact**
Life Below Water	**Conserve & Sustainably use the Ocean, Seas & Marine Resources for Sustainable Development**
Life on Land	**Protect, Restore and Promote Sustainable Use of Terrestrial Ecosystems, Suitably Manage Forests, Combat Desertification, Halt & Reverse Land Degradation & Halt Biodiversity Los**
Peace Justice & Strong Institutions	**Promote Peaceful & Inclusive Societies for Sustainable Developments, Provide Access to Justice for all, & Build __ Effective, Accountable & Inclusive Institutions at all Levels**
Partnerships for the Goals	**Strengthens the Means of Implementation & Revitalize the Global Partnership for Sustainable Development**

Sustainable Development Goal 3

ENSURE HEALTHY LIVES AND PROMOTE WELL-BEING FOR ALL AT ALL AGES.

Overview of Sustainable Development Goal 3

➢ **SDG 3 Aspires to Ensure Health and Well-Being for All**

➢ **Commitment to End the Epidemics of**

   ❖ **AIDS**

   ❖ **Tuberculosis**

   ❖ **Malaria and**

   ❖ **Other communicable diseases by 2030**

➢ **This goal addresses all major health priorities:**

   ❖ **Reproductive**

   ❖ **Maternal**

   ❖ **Newborn**

   ❖ **Child and**

   ❖ **Adolescent health**

➢ **It also aims to achieve universal health coverage**

➢ **Provides Access to Safe and Effective Medicines and Vaccines for all.**

Targets of SDG 3

To Meet The Goal : -   **"Ensuring Healthy Lives And Promote Well-being For All At All Ages"**

3.1   Maternal Mortality

➢   By 2030, Reduce The Global Maternal Mortality Ratio to less than 70 per 100 000 Live Births.

3.2   Neonatal And Child Mortality

➢   By 2030, End Preventable Deaths Of Newborns And Children Under 5 Years Of Age

➢   All Countries Aiming To Reduce Neonatal Mortality To At Least As Low As **12 Per 1000** Live Births

➢   And Under-5 Mortality To At Least As Low As **25 Per 1000** Live Births.

3.3   Infectious Diseases

➢   By 2030, End The Epidemics of

❖   AIDS,

❖   Tuberculosis,

❖   Malaria and

❖   Neglected Tropical Diseases, and

➢   **Combat**

❖   Hepatitis,

❖   Waterborne Diseases   and

❖   Other Communicable Diseases.

3.3 Infectious Diseases

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- ❖ AIDS,
- ❖ Tuberculosis,
- ❖ Malaria and
- ❖ Neglected Tropical Diseases, and

➢ **Combat**

- ❖ Hepatitis,
- ❖ Waterborne Diseases and
- ❖ Other Communicable Diseases.

3.4 Noncommunicable Diseases

➢ **. By 2030, Reduce By One Third Premature Mortality From Noncommunicable Diseases Through Prevention And Treatment**

➢ **Promote Mental Health And Well-being**

3.5 Substance Abuse

➢ **Strengthen The Prevention And Treatment Of Substance Abuse, Including Narcotic Drug Abuse And Harmful Use Of Alcohol**

3.6. Road Traffic

➢ **By 2020, Halve The Number Of Global Deaths And Injuries From Road Traffic Accidents**

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3.7 Sexual And Reproductive Health

➢ **By 2030, Ensure Universal Access To**

❖ **Sexual And Reproductive Health-care Services**

❖ **Family Planning**

❖ **Information And Education, And**

❖ **The Integration Of Reproductive Health Into National Strategies And Programme**

3.8. Universal Health Coverage

➢ **Achieve Universal Health Coverage, Including**

❖ **Financial Risk Protection**

❖ **Access To Quality Essential Health-care Services,**

❖ **And Access To Safe, Effective, Quality And Affordable Essential Medicines And Vaccines For All**

3.9. Environmental Health

➢ **By 2030, substantially reduce the number of deaths and illnesses from**

❖ **Hazardous Chemicals And Air**

❖ **Water And Soil Pollution And Contamination.**

Means Of Implementing The Targets

Tobacco Control :

➢ To Strengthen the implementation of the WHO Framework Convention on Tobacco Control in all countries, as appropriate

Medicines and Vaccines :

➢ To Support the research and development of vaccines and medicines for the communicable and noncommunicable diseases that primarily affect developing countries.

➢ To Provide access to affordable essential medicines and vaccines to all especially in developing countries

Health Financing And Workforce

➢ **Substantially increase the :**

- ❖ Health Financing And The Recruitment,

- ❖ Development,

- ❖ Training and

- ❖ Retention Of The Health Workforce In Developing Countries,

Emergency Preparedness :

➢ Strengthen The Capacity Of All Countries, Particularly Developing Countries For Early

❖ Warning,

❖ Risk Reduction and

❖ Management Of National And Global Health Risks.

ROLE OF STANDARDS

➢ **This year's theme**

"Shared Vision for a Better World"

Resonates deeply with

Sustainable Development Goals, particularly SDG 3   -   "Good Health and Well-being"

➢ **SDG 3 calls for ensuring healthy lives and promoting well-being for all at all ages**

➢ **It is a goal that Encapsulates/Enfolds our Collective Aspiration for a World**

❖ **Where Everyone has Access to Quality Healthcare**

❖ **Where Preventable Diseases are Eradicated   and**

❖ **Where No One is left behind in the Pursuit of Good Health**

➢ **Achieving this ambitious goal requires a holistic and multifaceted approach, and international standards are an essential part of that approach.**

Medical Equipment and Pharmaceuticals :

➢ **Standards for medical devices and pharmaceuticals ensure that they are safe, effective, and of high quality.**

➢ **They provide the foundation for medical advancements that save lives and improve the quality of life.**

ISO Standards for Medical Devices

ISO : 14971   Risk Management

ISO : 10993   Biocompatibility

IEC : 62304   Medical Device Software

ISO : 13485   Design, Production, Installation & Servicing of Medical Devices

Healthcare Facilities :

➢ **Standards For Healthcare Facilities Help Design And Maintain Hospitals And Clinics That Are Safe, Accessible, And Equipped To Provide Quality Care To All, Regardless Of Their Location Or Socioeconomic Status**

ISO : 9001   Hospital Management

ISO : 14001   Environmental Laws Related to Hospitals

ISO : 45001   Related to healthcare Hazards

Food Safety :

➢ **Standards For Food Safety Guarantee that the Food We Consume Is Free from Contaminants And Pathogens, Contributing To Overall Health And Preventing Foodborne Illnesses.**

ISO : 22000   Requirements For A Food Safety Management System

Environmental Health :

➢ **Standards Related To Air And Water Quality Protect Our Environment, Reducing The Prevalence Of Environmental Factors That Can Harm Our Health**

Key standards for Drinking water and wastewater systems : –

ISO : 24510   Specifies The Elements Of Drinking Water And Wastewater Services Of Relevance And Interest to users

ISO : 24511   Guidelines Relating To Drinking Water And Wastewater Services

ISO : 24512   Guidelines For The Management Of Drinking Water Utilities And For The Assessment Of Drinking Water Services

Key standards for Air Quality : ‒

      ISO : 8573   **Consists Of The Following Parts, Under The General Title Compressed Air**

      — **Part 1**   **:**   **Contaminants and quality classes**

      — **Part 2**   **:**   **Test methods for aerosol oil content**

      — **Part 3**   **:**   **Test methods for measurement of humidity**

      — **Part 4**   **:**   **Test methods for solid particle content**

      — **Part 5**   **:**   **Test methods for oil vapour and organic solvent content**

      — **Part 6**   **:**   **Test methods for gaseous contaminant content**

      — **Part 7**   **:**   **Test methods for viable microbiological contaminant content**

      ISO : 4225:2020   **General Aspects**

➢   **Water Authorities And Operators Can Rely On Them To Meet The Expectations Of Consumers In A Sustainable Way.**

Health Informatics :

- Standards In Health Informatics Ensure The Secure And Efficient Exchange Of Medical Information, Supporting Better Diagnosis, Treatment, And Research.

  ISO : 13972:2022 Health Informatics — Clinical Information Models — Characteristics, Structures And Requirements

Occupational Health and Safety :

- Workplace Safety Standards Safeguard The Health Of Workers, Promoting Well-being In The Workplace

  ISO : 45001 Occupational Health And Safety Management Systems — Requirements With Guidance For Use

- Designed To Prevent Work-related Injury And ill-health And To Provide Safe And Healthy Workplaces.

- An Effective Occupational Health And Safety Management System Will Help You To Protect And Enhance Your Most Important Asset, Your People, To Drive Business Excellence.

➢ Thus in the context of SDG 3, international standards provide the necessary framework for innovation and collaboration in the healthcare sector.

➢ They ensure that healthcare technologies and practices are not only effective but also safe and accessible to all, regardless of their location or income.

As we celebrate World Standards Day today, let us reflect on our shared vision for a better world—a world where good health and well-being are not privileges but fundamental rights.

➢ Let us acknowledge the role of international standards in advancing this vision, ensuring that health and well-being are attainable for everyone, everywhere.

But let us not stop at acknowledgment. Let us commit to using standards as tools for progress, and let us advocate for their importance in achieving the Sustainable Development Goals, particularly SDG 3.

Together, with a shared vision and concerted efforts, we can build a world where everyone enjoys the benefits of good health and well-being.

THANK YOU

AND HAPPY WORLD STANDARDS DAY!