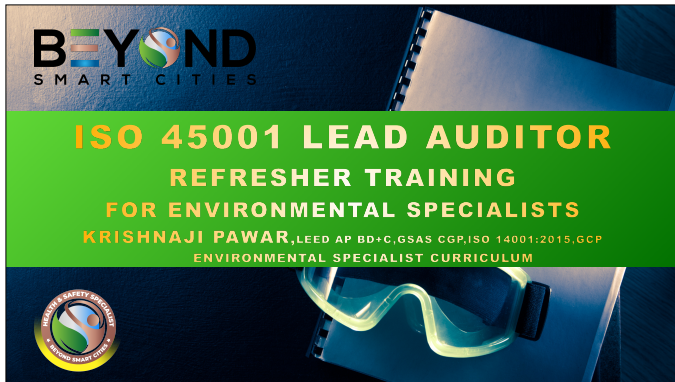




**ISO 45001 LEAD AUDITOR
REFRESHER TRAINING
FOR ENVIRONMENTAL SPECIALISTS**

KRISHNAJI PAWAR, LEED AP BD+C, GSAS CGP, ISO 14001:2015, GCP
ENVIRONMENTAL SPECIALIST CURRICULUM





**INTRODUCTION & TERMS OF DEFINITIONS
FOR ENVIRONMENTAL PROFESSIONALS**

KRISHNAJI PAWAR, LEED AP BD+C, GSAS CGP, ISO 14001:2015, GCP
ENVIRONMENTAL SPECIALIST CURRICULUM





LEARNING OBJECTIVES



Aim of an OH&S management system

Success factors

Plan-Do-Check-Act model

Scope -Occupational health and safety management systems — Requirements

Terms and definitions

PDCA Cycle

Structure of ISO 45001

INTRODUCTION

ISO 45001 is an International Standard establishing requirements for occupational health and safety management systems, including guidance for application of the standard. The standard defines methods for organizations to improve their Occupational Health and Safety (OH&S) performance by taking proactive steps to prevent worker injuries and poor health and provide a safe and healthy workplace.

The standard includes sections addressing the context of an organization, and for planning, supporting, operating and evaluating a robust OH&S management system.

ISO 45001 methodology utilizes the PDCA (Plan, Do, Check, Act) process that has been used for decades to improve product and process quality. The standard explains how to use the same proactive approach towards managing and improving worker health and safety.



WHAT ARE THE KEY FEATURES OF AN ISO 45001?

ISO 45001 sets itself apart from other health and safety standards in multiple ways:

The first innovation of ISO 45001 is to place the topic of OH&S at top management level of the organization.

The standard introduces several new ways of thinking about activity management: knowing the context of the activities, identifying pertinent stakeholders, listing risks and opportunities and prioritizing preventive measures

The second new feature of ISO 45001 concerns the OH&S approach itself: a process-based approach, with continual improvement using the PDCA model (Plan-Do-Check-Act), etc.



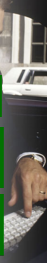
ISO 45001 IS THEREFORE BASED ON FOUR MAIN PRINCIPLES

Continual improvement using the PDCA model in order to obtain a structured methodology and to implement the most suitable and sustainable solutions for organizing activities and solving problems.

Process-based approach to obtain the expected results more efficiently and effectively.

Management by risks (and opportunities) to help control activities and reduce the impacts and undesired effects.

European general principles of prevention based on the framework directive of 1989 (Directive 89/391 EEC).



TERMS & DEFINITIONS



Audit	An audit is a systematic, independent and documented process for obtaining audit evidence and evaluating it objectively to determine the extent to which audit criteria are fulfilled
Objectives	The audit objectives define what is to be accomplished by the audit
Audit Criteria	Set of policies, procedures or requirements used as a reference against which audit evidence is compared
Audit Scope	The audit scope generally includes a description of the physical locations, organizational units, activities and processes, as well as the time period covered.

TERMS & DEFINITIONS



Audit Plan	Description of the activities and arrangements for an audit
Audit Program	Arrangements for a set of one or more audits planned for a specific time frame and directed towards a specific purpose
Audit Evidence	Records, statements of fact or other information which are relevant to the audit criteria and verifiable
Audit Findings	Results of the evaluation of the collected audit evidence against audit criteria

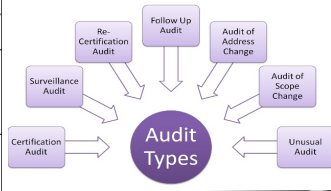
TERMS & DEFINITIONS



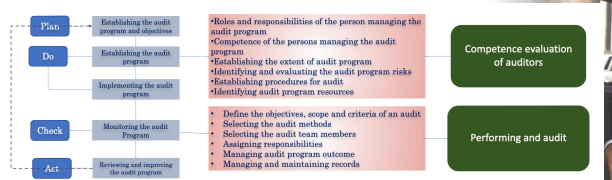
Audit client	Organization or person requesting an audit
auditee	An organization or person being audited
observer	<p>person who accompanies the audit team but does not audit.</p> <p>An observer is not a part of the audit team and does not influence or interfere with the conduct of the audit.</p> <p>An observer can be from the auditee, a regulator or other interested party who witnesses the audit.</p>

AUDITING PROCESS

1st Party	Internal audits – conducted by internal auditors
2nd Party	Supplier audits – conducted by organizational auditors on suppliers, manufacturers, contractors etc.
3rd Party	Certification Audits – conducted by 3rd Party certification bodies



AUDITING PROCESS



PLAN-DO-CHECK-ACT CYCLE

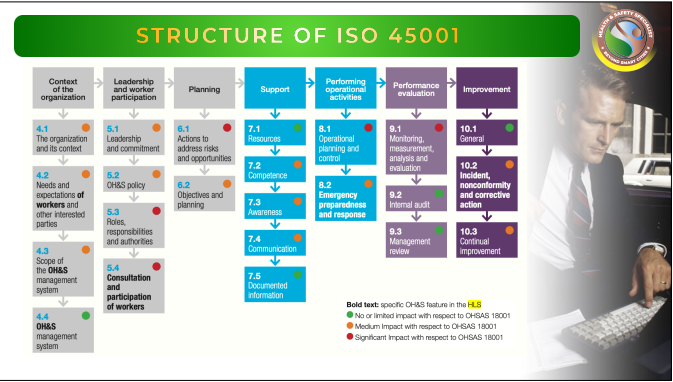
The PDCA concept is an iterative process used by organizations to achieve continual improvement. It can be applied to a management system and to each of its individual elements, as follows:

a) Plan: determine and assess OH&S risks, OH&S opportunities and other risks and other opportunities, establish OH&S objectives and processes necessary to deliver results in accordance with the organization's OH&S policy;

b) Do: implement the processes as planned;

c) Check: monitor and measure activities and processes with regard to the OH&S policy and OH&S objectives, and report the results;

d) Act: take actions to continually improve the OH&S to achieve intended outcomes



BEYOND
SMART CITIES

THANK YOU

**THE WORLD'S 1ST GREEN TECHNOLOGY
MARKETPLACE**

HEALTH & SAFETY SPECIALIST
BEYOND SMART CITIES
