



# ISO 14001:2015

## FIXER UPPER

### Updating the Environmental Management System



*Brent Lank, Sr. Specialist, Management Systems*



**SUBARU**



# The Goal



## **Partners for Pollution Prevention...an**

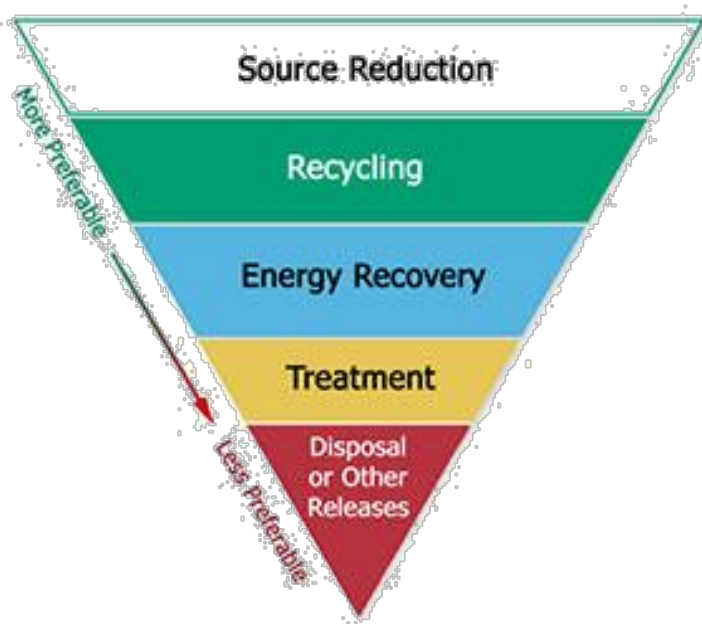
organization comprised of Indiana industries, businesses, nonprofit organizations and governmental entities that are

interested in pollution prevention (P2) and the financial and environmental benefits **P2 projects** can bring.

*\*source: Partners for Pollution web site*



# P2 Defined



**Pollution prevention (P2) is any practice that reduces, eliminates, or prevents pollution at its source.**

**Reducing the amount of pollution produced means less waste to control, treat, or dispose of. Less pollution means less hazards posed to public health and the environment.**

*\*source: EPA web site*



# How to Achieve P2?

You can't prevent pollution and drive improvement without a plan...

And you can't enact the plan without direction!





# The Foundation

The foundation of SIA's P2 plan is based on ISO 14001...but it has grown to include much more.

Other contributors include:

- The importance of overall sustainability goals, not just at SIA, but within the Subaru family worldwide.
- Importance to our customer base and their expectations
- Because it's just the right thing to do!



# 14001 Benefits

- ISO 14001 considers all environmental issues
  - air pollution
  - water and sewage issues
  - waste management
  - soil contamination
  - climate change mitigation and adaptation
  - resource use and efficiency
- includes the need for **continual improvement**



# History of 14001

**1996** 1<sup>st</sup> Issuance

**2004** 2<sup>nd</sup> Issuance

*Still valid until  
Sept. 15, 2018*

**2015** 3<sup>rd</sup> Issuance

*Transition Period  
= 3 years*



International  
Organization for  
Standardization



# What's Driving the Change?

## ISO 14001: 2004 version

- growing outdated and loosing some of it's effectiveness
- wasn't designed to keep up with the pace of today's business.
- lacks the basic, but key elements in directing the organization in achieving their P2 goals....and what may now be **required** of business as it applies to the environment.



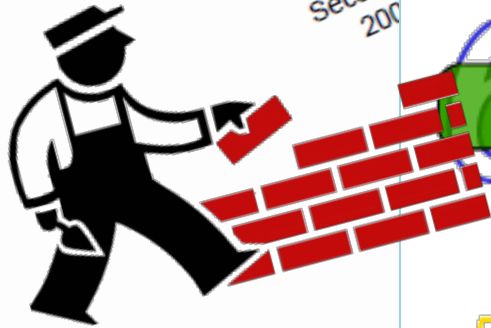


# Time for a Fixer Upper!

INTERNATIONAL  
STANDARD

ISO  
14001

Second  
200



Monitoring  
Review

Review,  
Evaluate  
and Improve

Communication  
and Policy

Baseline  
Review

Planning

P2 PLANNING

Implementation

Environmental management  
Requirements with guidance

Systèmes de management  
environnemental  
directrices pour son utilisation





**TADA!**

INTERNATIONAL  
STANDARD

**ISO  
14001**

Third edition  
2015-09-15

**33%  
MORE!!!**

**NEW LOOK!**

**MORE FLAVOR!**

**SAME GREAT TASTE!**

**NEW!!!**

**Amélioré**

**NEW &  
IMPROVED!**

**guide for use**

*Systèmes de management environnemental — Exigences et lignes  
directrices pour son utilisation*



# New Layout!

## Annex SL - High Level Structure

- provides a **universal structure** of identical core text, common terms, and definitions for all **Management System Standards (MSS)**.
- **ensures consistency** among revised and future management system standards and makes integrating multiple ISO standards much simpler
- **ends confusion** between current MSS's, and provide more effective understanding within the organization.

***Essentially, ISO is standardizing the standards!***



# Annex SL

Introductory  
clauses

Clause 1 SCOPE

Clause 2 NORMATIVE REFERENCES

Clause 3 TERMS AND DEFINITIONS

Basic clauses,  
common to all  
management  
systems  
standards

Clause 4 **CONTEXT OF THE ORGANIZATION**

Clause 5 **LEADERSHIP**

Clause 6 **PLANNING**

Clause 7 **SUPPORT**

Clause 8 **OPERATION**

Clause 9 **PERFORMANCE EVALUATION**

Clause 10 **IMPROVEMENT**

All revised and new standards now developed on the same 10 clause platform.

Audited  
Requirements

# “Annex SL” High Level Structure

1. Scope
2. Normative references
3. Term and definitions
4. **Context of the organization**
  - *Understanding the organization and its context*
  - *Need and expectation of interested parties*
  - *Determining the scope*
  - *Management system*
5. **Leadership**
  - *Leadership and commitment*
  - *Policy*
  - *Role responsibilities*
6. **Planning**
  - *Action to address risks & opportunities*
  - *Objective and plans to achieve them*
7. **Support**
  - *Resources*
  - *Competence*
  - *Awareness*
  - *Communication*
  - *Documented information*
8. **Operation**
  - *Operational planning and control*
9. **Performance Evaluation**
  - *Monitoring, measurement, analysis & evaluation*
  - *Internal audit*
  - *Management review*
10. **Improvement**
  - *Non conformity and corrective action*
  - *Continual improvement*



# Key Changes



# 1 Driven by Leadership

## **Top Management (heavily revised)**

- must make the EMS and P2 activities more strategic and integrated into the organization's decision-making.
- must now take accountability for the “effectiveness of the EMS.”
- must now ensure that the strategic plans of the organization and the EMS objectives are compatible and integrated and support the scope of the organizational context

# 1 Driven by Leadership

- must ensure the correct resources are available and that the EMS can interact with the existing business processes
- must ensure that critical objectives, aspects, and performance metrics and results are continually communicated effectively to everyone involved = **knowing the PLAN!**



# 1 Driven by Leadership

## **Environmental Policy (Revised)**

Top Management and the organization are now required to commit to *protection of the environment* within their Environmental Policy this is a shift from the existing version of ISO 14001 which just places focus on the prevention of pollution and compliance with legislation.

### Context of the Organization (New)

- must identify **internal and external issues** that may impact the EMS's ability to deliver intended results. Includes environmental conditions effected by, **or capable of**, affecting the organization.
- must develop a methodology to understand the relevant needs and expectations of '**interested parties**'— (including regulatory requirements) and how those needs/expectations impact your P2/EMS activities.

## 2 Better Strategic Fit

### **Goal: Context of the Organization**

- increased prominence of environmental management within the organization's strategic planning processes.
- incorporated to identify and leverage opportunities for the benefit of both the organization and the environment.

### 3 Greater Protection for the Environment

#### **Environmental Condition:** (New term)

Defined as *‘long-term environmental changes that can affect the organization's activities, products and services.’*

Goal is to get organizations thinking about the **environment's impact on them**, rather than the impact they have on the environment, which is considered a significant weakness in the current version of ISO 14001.

# 3 Greater Protection for the Environment

- **Risks and Opportunities (New)**

*\*Risk replaces Preventive Action*

must determine, consider and where necessary, take actions to address environmental risks or opportunities that may impact the organization and EMS's ability to deliver its intended outcomes.

- **Environmental Performance (New)**

use of indicators to compare environmental results against the environmental objectives and the commitments within the environmental policy.

## 4 Life Cycle Thinking

- must consider environmental impacts throughout the value chain and consideration of life cycle issues
- organizations will need to extend its control and influence to the environmental impacts from raw material acquisition/generation to end-of-life treatment.

*No requirement to do a life cycle assessment (LCA), just consider the stages of product/service that can be controlled or influenced.*

# 5 Effective Communication

## Communication (Revised)

- internal and external communication now require equal treatment
- must ensure that communication is consistent with the EMS and the information communicated is reliable
- now required to define what will be communicated, when it will be communicated, whom will handle the communication, how (method) that it will be communicated, and to whom the communication will be made with.



# Transition Planning

- EMS must be fully “transitioned” by **Sept. 2018**
  - Know **before your audit**, what your Registrar/auditor expects to see at the time of your transition audit
  - How much of the “2015” EMS will they want to see???
- \*general rule is at least 3 month'*





# Revision Summary!

## **ISO 14001:2015 was revised to address:**

- latest trends in business
- ensure the environment is included in the organization's strategic planning activities
- the need to factor in both external and internal elements that influence environmental performance
- compatibility with other MSS's
- environmental risks to the business
- consideration of the life cycle implications of an organizations actions with the environment



# Additional Focus

## **ISO 50001 Energy Management System**

- Used to further enhance and draw attention to energy related impacts – reductions and increases
- Brings energy management to the same commitment and focus as environmental
- 27+ year old facility = improvement opportunities
- Supports our CO2 targets within the EMS



# Wrap-Up

- At SIA our P2 activities and EMS work best with a structured system in place.
- If you are using ISO 14001 as your P2 foundation then change is underway and the clock is ticking.
- Make sure you use due diligence on the changes
- Especially make sure your top management is aware, trained, and understand what the “involvement” expectation is.



Brent Lank  
Sr. Specialist, Management Systems  
Subaru of Indiana Automotive, Inc.  
[brent.lank@subaru-sia.com](mailto:brent.lank@subaru-sia.com)  
765.449.6783

THANK YOU