



ISO 39001 – Road traffic safety management system standard

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United Nations SDGs/Sustainable Development Goals - Agenda 2030



THE GLOBAL GOALS
For Sustainable Development

<http://www.un.org/sustainabledevelopment/sustainable-development-goals/>

UN SDGs – Agenda 2030

- September 15th 2015, The United Nations (UN) decided on a new set of (179 sustainable development goals (Agenda 2030)).
- For the first time the UIN included road traffic safety as a significant sustainability aspect. The goals specifically mentions road safety as the sixth element in target three, “Good health and well-being”. “Reduce Road Injuries and Deaths. By 2020, halve the number of global deaths and injuries from road traffic accidents” The UN sees by this indication the significance of road traffic crashes as a major global health issue.



TARGET 3.6

REDUCE ROAD INJURIES AND DEATHS

By 2020, halve the number of global deaths and injuries from road traffic accidents.

UN SDGs – Agenda 2030

- The UN's focus on safety lies well in line with the earlier prediction of the WHO, that road traffic crashes can become the seventh leading cause of death by 2030. Today road traffic injuries are currently the ninth leading cause of death across all age groups. In the age group 15-29 years road traffic fatalities is the main cause of death today. The unsafe transport system is hence striking hard at many road users who are entering their most productive years.
- In Agenda 2030 the limited safety in the road transport system is further specifically mentioned in target eleven "Sustainable cities and communities". Element two "Affordable and Sustainable Transport Systems" is pointing at the importance of safety in the transport system.

TARGET 11.2



AFFORDABLE AND SUSTAINABLE TRANSPORT SYSTEMS

By 2030, provide access to safe, affordable, accessible and sustainable transport systems for all, improving road safety, notably by expanding public transport, with special attention to the needs of those in vulnerable situations, women, children, persons with disabilities and older persons.

UN SDGs – Agenda 2030

- In line with the UN’s Agenda 2030, road traffic safety is today an important element of road traffic safety, and traffic safety shall be integrated in all areas where sustainability practices are called for.
- In Agenda 2030 the UN is also calling for “Responsible consumption and production”, goal twelve. In this goal companies are urged to adopt sustainable practices and sustainable public procurement is clearly indicated as an important element. Both private and public organizations are essential for improving road traffic safety.
- **12.6** Encourage companies, especially large and transnational companies, to adopt sustainable practices and to integrate sustainability information into their reporting cycle
- **12.7** Promote public procurement practices that are sustainable, in accordance with national policies and priorities

ISO 39001

- part of UN Road Safety Collaboration

UNRSC (coordinated by WHO) has five pillars:

1. Road safety management (ISO 39001)
2. Safer roads and mobility
3. Safer vehicles
4. Safer road users
5. Post-crash response

<http://www.who.int/roadsafety/en/>

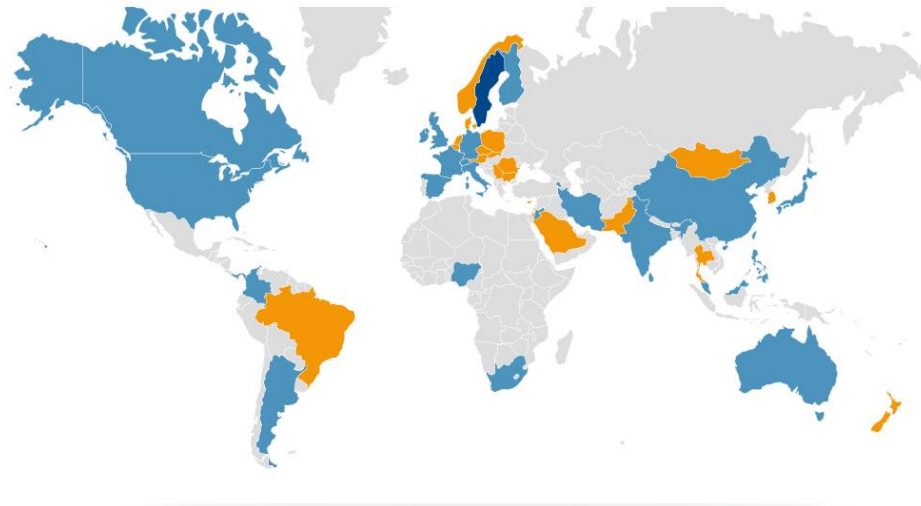
ISO 39001:2012

Title:

**Road traffic safety (RTS) management systems
- Requirements with guidance for use**

To ensure that the organization's RTS related matters are handled in a structured way to support a corporate culture of quality, safety and continual improvement.

Global membership in ISO/TC 241 - Road traffic safety management systems



50 member countries = 20% global participation



ISO/TC 241 – members list (2018-03-01)

29 P-members

- Argentina
- Armenia
- Australia
- Barbados
- Canada
- China
- Colombia
- Finland
- France
- Germany
- India
- Iran
- Ireland
- Italy
- Japan
- Jordan
- Kenya
- Malaysia
- Mauritius
- Nigeria
- Panama
- Philippines
- South Africa
- Spain
- Sri Lanka
- Sweden (Secretariat)
- Switzerland
- United Kingdom
- USA

21 O-members

- Austria
- Belgium
- Brazil
- Bulgaria
- Cyprus
- Czech Republic
- Denmark
- Israel
- Korea
- Mongolia
- Netherlands
- New Zealand
- Norway
- Pakistan
- Poland
- Romania
- Saudi Arabia
- Serbia
- Singapore
- Slovakia
- Thailand

17 Liaisons

- ISO/TC 022, Road Vehicles
- ISO/TC 176/SC1 Concepts and Terminology
- ISO/TC 204 Intelligent transport systems
- ISO/TC 211, Geographic information/Geomatics
- ISO/PC 283 OHS/Occupational health and safety management systems
- ISO/PC 302 Guidelines for auditing management systems
- European Transport Safety Council (ETSC)
- FIA Foundation
- Global Road Safety Forum (GRSF)
- Global Road Safety Partnership (GRSP)
- International Forum for Road Transport Technology (IFRTT)
- The International Road Federation (IRF)
- The International Transport Forum (OECD/ITF)
- International Association of Oil & Gas producers (IOGP)
- UN Economic Commission for Europe (UNECE)
- World Bank (WB)
- World Health Organization (WHO)

50 member countries

= 20% global participation

ISO 39001

- RTS management systems standard

- Based on the new harmonized structure for management system standards
(e.g. ISO 9001/QMS, ISO 14001/EMS and ISO 45001/OHSAS)
- **Integrate** with the organization's management system
- Unique content – RTS/Road traffic safety
- A requirement standard - for certification
- For all organizations; public and private sector

Clause titles – as per ISO Annex SL

- ISO standard for ISO MSS/Management systems standards

Clause titles – as per ISO Annex SL

- ISO standard for ISO MSS/Management systems standards

- Introduction
- 1. Scope
- 2. Normative references
- 3. Terms and definitions
- 4. Context of the organization
- 5. Leadership

- 6. Planning
- 7. Support
- 8. Operation
- 9. Performance evaluation
- 10. Improvement

What is ISO 39001?

a global standard that sets minimum requirements for a road traffic safety (RTS) management system, to help prevent and reduce the risk of road-related death and serious injury

a standard which is aligned with the best practice Safe System goal and approach to road safety

an adaptable high level framework, designed to be tailored to each organization's specific needs

a management system standard that shares a structure and core text with other key international management system standards, such as ISO 9001, ISO 14001, ISO 45001

Why should I use ISO 39001?

to improve your organization's RTS performance

to establish a RTS management system that can be integrated with other disciplines within your organization's management system (e.g. Quality, Environment, OHSAS)

to proactively manage RTS risks, save lives, reduce lost productivity and demonstrate your commitment to both safety and social responsibility

Key elements of the management system standard

- emphasis on the context of the organization
- risk-based thinking throughout towards achieving ambitious road safety results through the Safe System goal and approach
- integration of the RTS management into overall business strategy
- requires top management involvement and accountability
- increases efficient management
- emphasis on communication with an understanding of interested parties



ISO 39001:2012 – Road traffic safety management system standard

Starter's Guide

Why adopt ISO 39001?

- Preventing death and serious injury in road traffic crashes is a global priority
- Addressing a primary occupational safety risk
- Successful road injury prevention requires management
- A systematic, results-focused approach is needed
- Adopting ISO 39001 will bring various benefits (safety, economic, environmental)

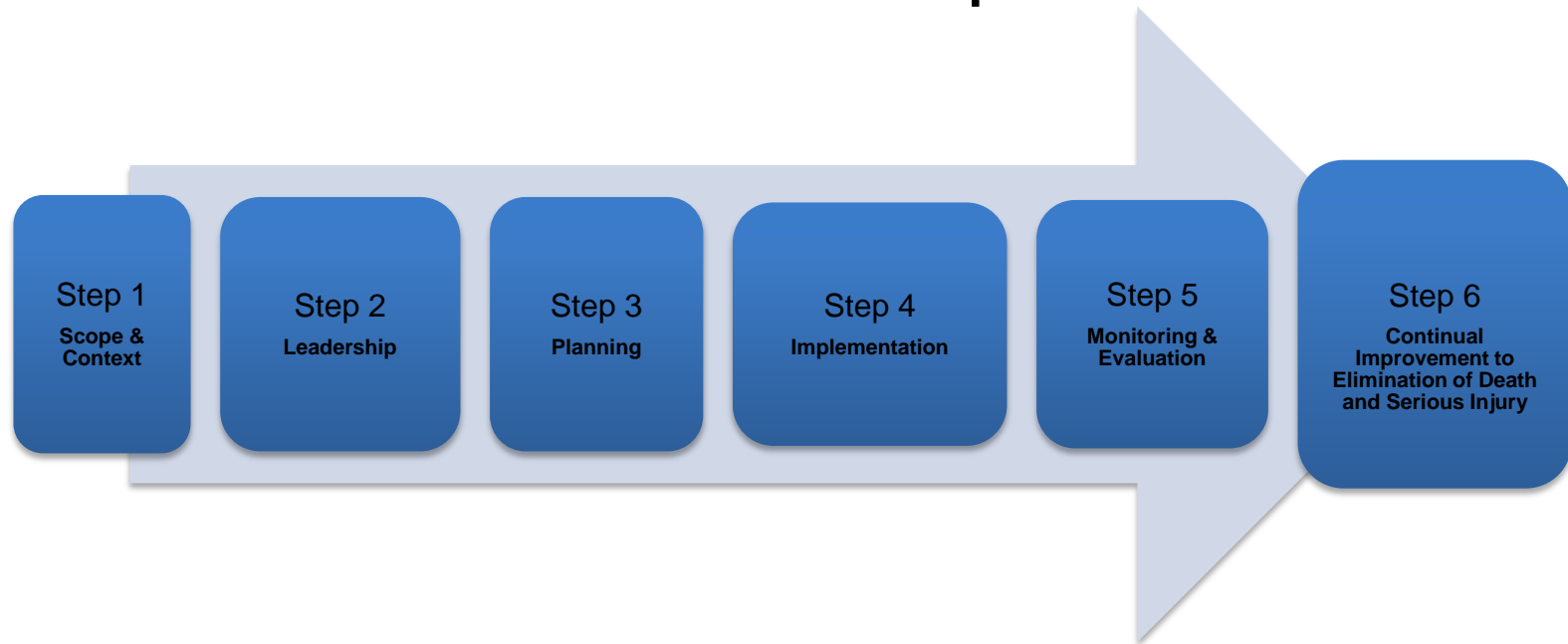
PDCA Concept for ISO 39001



Starter's Guide

The road map to implementing ISO 39001

Following six steps of a basic plan-do-check-act model for continuous improvement.



Starter's Guide

Road map to implementing ISO 39001

1. Scope and context
2. Leadership
3. Planning
4. Implementation
5. Monitoring and evaluation
6. Continual improvement

ISO 39001: Plan-Do-Check-Act

PLAN:

- **Clause 4 Context of the organization:** it introduces requirements necessary to establish the context of the RTSMS (road traffic safety management system) as it applies to the organization, as well as needs, requirements, and scope.
- **Clause 5 Leadership:** it summarizes the requirements specific to top management's role in the RTSMS, and how leadership articulates its expectations to the organization via a policy statement.

ISO 39001: Plan-Do-Check-Act

PLAN:

- **Clause 6 Planning:** it describes requirements as it relates to establishing strategic objectives and guiding principles for the RTSMS as a whole.
- **Clause 7 Support:** it supports RTSMS operations as they relate to establishing competence and communication on a recurring/as-needed basis with interested parties, while documenting, controlling, maintaining and retaining required documentation.



ISO 39001: Plan-Do-Check-Act

DO:

- **Clause 8 Operation:** it defines RTS requirements, determines how to address them and develops the procedures to manage and respond to an emergency.



ISO 39001: Plan-Do-Check-Act

CHECK:

- **Clause 9 Performance Evaluation:** it summarizes requirements necessary to measure RTS performance, road traffic crash and other incident investigation, RTSMS compliance with the international standard and management's expectations, and seeks feedback from management regarding expectations.

ACT:

- **Clause 10 Improvement:** it identifies and acts on RTSMS non-conformance through corrective action.

RTS Performance Factors



- The heart of RTS MS
- Identify and prioritize
 - Risk exposure factor (distance, volume, product/services provided)
 - Final safety outcome factors (i.e. number of KSI)
 - Intermediate safety performance factor (safe planning, road design, PSE, fitness, journey management, post-crash response)

- **KSI:** Killed and Seriously Injured
- **PSE:** Personal Safety Equipment

Starter's Guide ISO 39001 in practice

- *Examples of Implementation of ISO 39001 in two countries: Activities in Japan and Sweden*

Benefits of ISO 39001 implementation

- Reduction in KSI
- Increased transparency of RTS work
- Improve the company brand
- Cost reductions related to traffic crashes
- Increased trust from the public and society
- Improved customer confidence (distinction from competitors)
- Improved standardization of work and communication
- Reduction in insurance/premium fees and costs
- Improved employee satisfaction (safer work conditions/OHSAS)
- Better focus and commitment to abiding to traffic rules
- Opportunity to validate that the organization's MS, processes and activities are in line with globally recognised standards



Organisational structure and culture with management system standard ISO 39001

- Leadership engagement and support
- Create structure
- Support fact-based decisions
- Competence and training programs
- A focused corporate RTS culture and program
- Meet requirements and targets
- Enable continuous improvements
- Genuine ownership of the RTS program
 - clear and measurable benefits and results
- Long-term commitment
- Direct link with strategic goals and objectives
- Close relation with products, services and processes
- Clear and continuous communication with management, staff and customers (and other interested parties)

Conclusion:

Attitude – organizational culture

- Leadership and management support
- Competence and training programs
- Corporate RTS culture and program
- Genuine ownership of the RTS program
 - genuine benefits and results

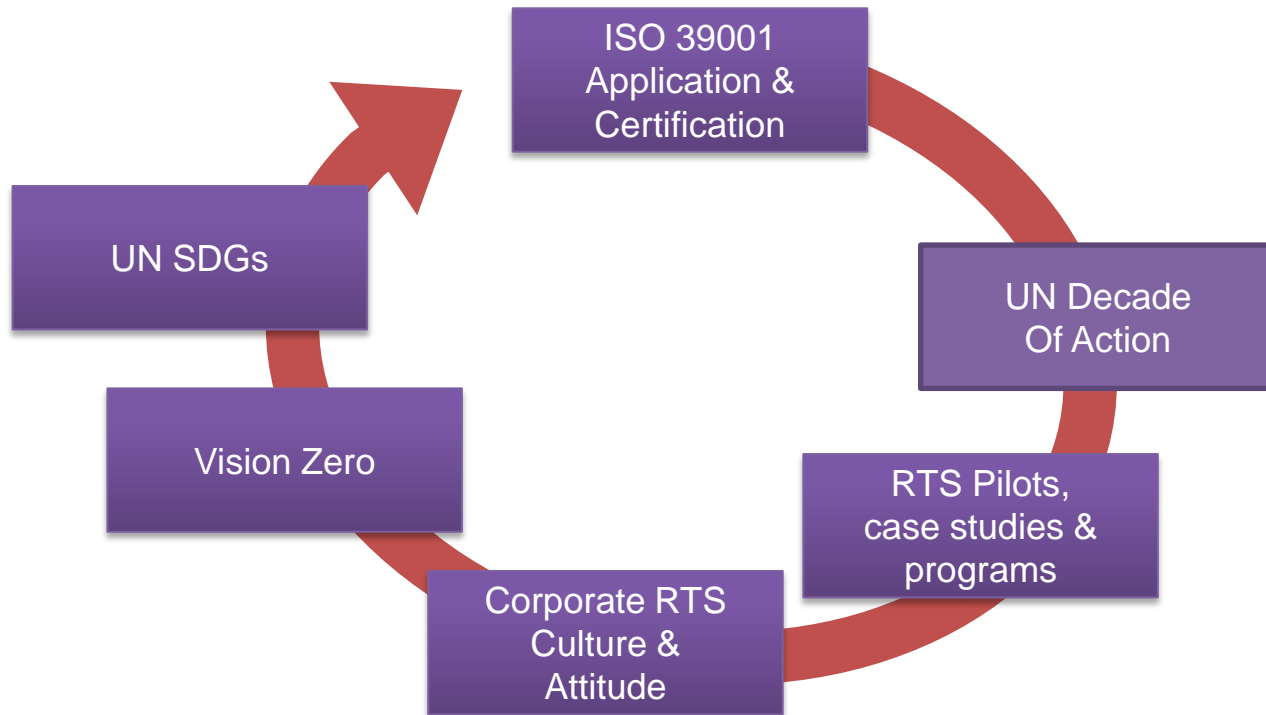
Achieve a structured RTS approach with **ISO 39001**

Conclusion:

Solution – effective and efficient use of ISO 39001

- Long-term commitment
- Direct link with strategic goals and objectives
- Close relation with products, services and processes
- Clear and continuous communication with management, staff and customers (and other interested parties)

Conclusion: ISO 39001 – part of RTS tools and solutions





Thank you for your attention!
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