Building risk-based regulatory frameworks in support of Circular Economy

Applying recommendations of the UNECE Group of Experts on Risk Management in Regulatory Systems to achieve circular economy objectives

Donald Macrae, Joint Convener, GRM

31st Meeting WP6, 25th November 2021

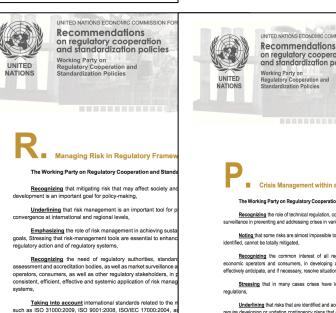
UNECE GRM – more than 10 years of (remote) work



"The GRM aims at an improved management of hazards that have the potential to affect the quality of products and services, and/or cause harm or damage to people, the environment, property and immaterial assets"

"Developing and sharing best practice as regards the use of risk management tools in regulatory activities"





including sector-specific standards, such as ISO/IEC 27001:2005

and that absolute safety cannot be a regulatory outcome, as it is im-

undesirable to make the world risk-free

Underlining that regulation in many cases may not be the b

require developing or updating contingency plans that

process of any regulatory framework 18, and that effective

crises requires systemic management of risks, and vi

Stressing that "crisis management" is an integ



Aiming to complement the existing risk assessment tools applied by market s

Recommends that: Authorities plan surveillance activities on the basis of th

How dangerous a certain product/business entity is when it is non-comp

What is the probability that a non-compliant product of this type is pre-



(4) UNECE

Strengthening Regulatory Frameworks

• UNECE's work on the circular economy relies on many regulatory frameworks as tools for delivering policy outcomes.

- Regulatory frameworks can be strengthened by:
 - Better design of regulations
 - Effective implementation and enforcement of the regulations

Examples of existing regulatory systems supporting Circular Economy

Vehicle regulations

- A <u>United Nations regulation</u> adopted at UNECE in 2013 requires 85% of new vehicles' mass to be reusable/recyclable and 95% reusable/recoverable, thereby reducing overall environmental footprint by influencing the design process
- UN Regulations and Global Technical Regulations that enable harmonized measurement of fuel consumption and tailpipe CO2 emissions from cars and vans.

Infrastructure

- UNECE <u>transport infrastructure agreements</u> define key parameters for the construction, maintenance and upgrade of international networks in all inland transport modes.
- The <u>Framework Guidelines for Energy Efficiency Standards in Buildings</u>

Movement of waste

- The <u>Standards for the Transboundary Movement of Waste</u>
- There are many more regulatory frameworks

Better design of Regulations



- OECD has been developing techniques for improving how regulations are made for over 30 years
- The key tool is Regulatory Impact Assessment (RIA), which tests the regulatory proposal against likely outcomes.
- It is at this stage that the design needs to be tested against Circular Economy outcomes.

Better delivery of regulatory outcomes

- Studying how to make regulatory frameworks more effective has lagged behind studying to how to improve design but there is now a large body of practice globally on how to make regulations work in practice.
- Governments tend to downgrade the importance of regulatory delivery, in favour of focusing on the political limelight of making new regulations. Delivery is usually somebody else's problem.
- Central to both design and delivery of regulatory frameworks is risk management.

Risk Management in Regulatory Frameworks

- Risk management is about managing the uncertainty of what happens next.
- It is just as important in delivering good outcomes as it is in avoiding bad outcomes (which is the more common way of seeing risk).
- It requires a keen understanding of the context in which you are operating, which includes not only data and other evidence but also an appreciation of human nature outcomes are dependent on what people do, and assumptions about that are often wrong.
- It is usually more effective to help people do the right things than prevent them from doing the wrong things.

GRM – Recommendation R

Recommendation R is about Managing Risk in Regulatory Frameworks (especially those dealing with Technical Regulations).

It builds on ISO 31000 on Risk Management and tailors that to both design and implementation of regulatory frameworks.



UNITED NATIONS ECONOMIC COMMISSION FOR EUROPE

Recommendations on regulatory cooperation and standardization policies

Working Party on Regulatory Cooperation and Standardization Policies



The Working Party on Regulatory Cooperation and Standardization policies,

Recognizing that mitigating risk that may affect society and hamper economic development is an important goal for policy-making.

<u>Underlining</u> that risk management is an important tool for promoting regulatory convergence at international and regional levels,

<u>Emphasizing</u> the role of risk management in achieving sustainable development goals, Stressing that risk-management tools are essential to enhancing the efficiency of regulatory action and of regulatory systems,

Recognizing the need of regulatory authorities, standardization, conformity assessment and accreditation bodies, as well as market surveillance authorities, economic operators, consumers, as well as other regulatory stakeholders, in promoting coherent, consistent, efficient, effective and systemic application of risk management in regulatory systems,

Taking into account international standards related to the management of risk, such as ISO 31000:2009, ISO 9001:2008, ISO/IEC 17000:2004, and other standards, including sector-specific standards, such as ISO/IEC 27001:2005,

<u>Underlining</u> that regulation in many cases may not be the best response to risk, and that absolute safety cannot be a regulatory outcome, as it is impossible, as well as undesirable to make the world risk-free.

Recommendation R in Practice

• The risk management model covers not only setting the right objectives but also implementing the regulations in ways that optimise outcomes, through to crisis management.

 It has been applied in various countries, from Brazil to Kyrgyzstan.



Recommendation P – Crisis Management

- Recommendation R was followed by Recommendation P on Crisis Management.
- This has been updated following experience under the Covid pandemic.
- Bad crisis management very often leads to bad regulation as a "quick fix".
- Good crisis management, as part of a contingency plan, can be an alternative to regulation – rather than trying to avoid a crisis, prepare for it.



Crisis Management within a Regulatory Framework

The Working Party on Regulatory Cooperation and Standardization Policies,

Recognizing the role of technical regulation, conformity assessment and market surveillance in preventing and addressing crises in various fields,

Noting that some risks are almost impossible to identify, and that all risks, even if identified, cannot be totally mitigated,

Recognizing the common interest of all regulatory stakeholders, including economic operators and consumers, in developing and applying tools that allow to effectively anticipate, and if necessary, resolve situations of crises,

<u>Stressing</u> that in many cases crises have led to imposing disproportionate regulations,

<u>Underlining</u> that risks that are identified and accepted within a regulatory system require developing or updating contingency plans that can be applied by regulators and other stakeholders.

Stressing that "crisis management" is an integral function of the risk management process of any regulatory framework is, and that effective preparedness and/or response to crises requires systemic management of risks, and vice versa,

Recommendation T

- Recommendation T applied much of the thinking in the previous Recommendations to the issue of Standards and Regulations for Sustainable Development.
- It includes a Checklist for implementing regulatory systems for implementation of the 2030 Agenda for Sustainable Development.
- GRM is working on updating this to cover the Circular Economy as well.



Recommendation S

- Recommendation S is much more narrowly focused and deals with Applying Predictive Risk Management Tools for Targeted Market Surveillance.
- The recent Recommendation V, adopted at this 31st Meeting, is also focused on a particular aspect of UNECEs work, namely Risks of Product Non-Compliance in International Trade, aimed at streamlining throughput of goods at borders, without reducing protection.

UNITED NATIONS ECONOMIC COMMISSION FOR EUROPE





The Working Party on Regulatory Cooperation and Standardization Policies,

Emphasizing that achieving absolute safety cannot be the goal of a regulatory system,

Noting that excessively stringent controls can create unnecessary barriers to trade,

Recognizing the importance of ensuring that products on the market (including imported goods), physical infrastructure, commercial and industrial facilities are compliant and safe so as to protect consumers, citizens and the environment

Emphasizing the importance of applying predictive risk assessment tools for planning the activities of market surveillance/compliance authorities at the "before an accident"/"before the non-compliance reported" stace.

Stressing that risk-based surveillance frameworks should help avoiding

- · Excessive controls on low risk products and
- Omitted or insufficient controls on high risk products

Recognizing that authorities need to efficiently allocate limited resources and that risk-based targeted surveillance on products on the market (as well as on installations and facilities) provide an important means to that end

Aiming to provide guidance in the use of predictive risk management techniques so as to increase the efficiency of the existing risk assessment tools and data sharing platforms,

Aiming to complement the existing risk assessment tools applied by market surveillance authorities,

Recommends that: Authorities plan surveillance activities on the basis of the evaluation of the noncompliance risk of products/businesses within their jurisdiction. The evaluation of the non-compliance risk should reflex.

- . How dangerous a certain product/business entity is when it is non-compliant to standards,
- What is the probability that a non-compliant product of this type is present on the market.