



Assessing Level of National Single Window Development in Digital Economy

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Contents

Assessment of the level of NSW development

WHY is it necessary to conduct an assessment ?

WHAT approaches already exist?

HOW to assess the the level of NSW development?

Assessment example

How can methodology be used?



Prerequisites

Revised Recommendation 33

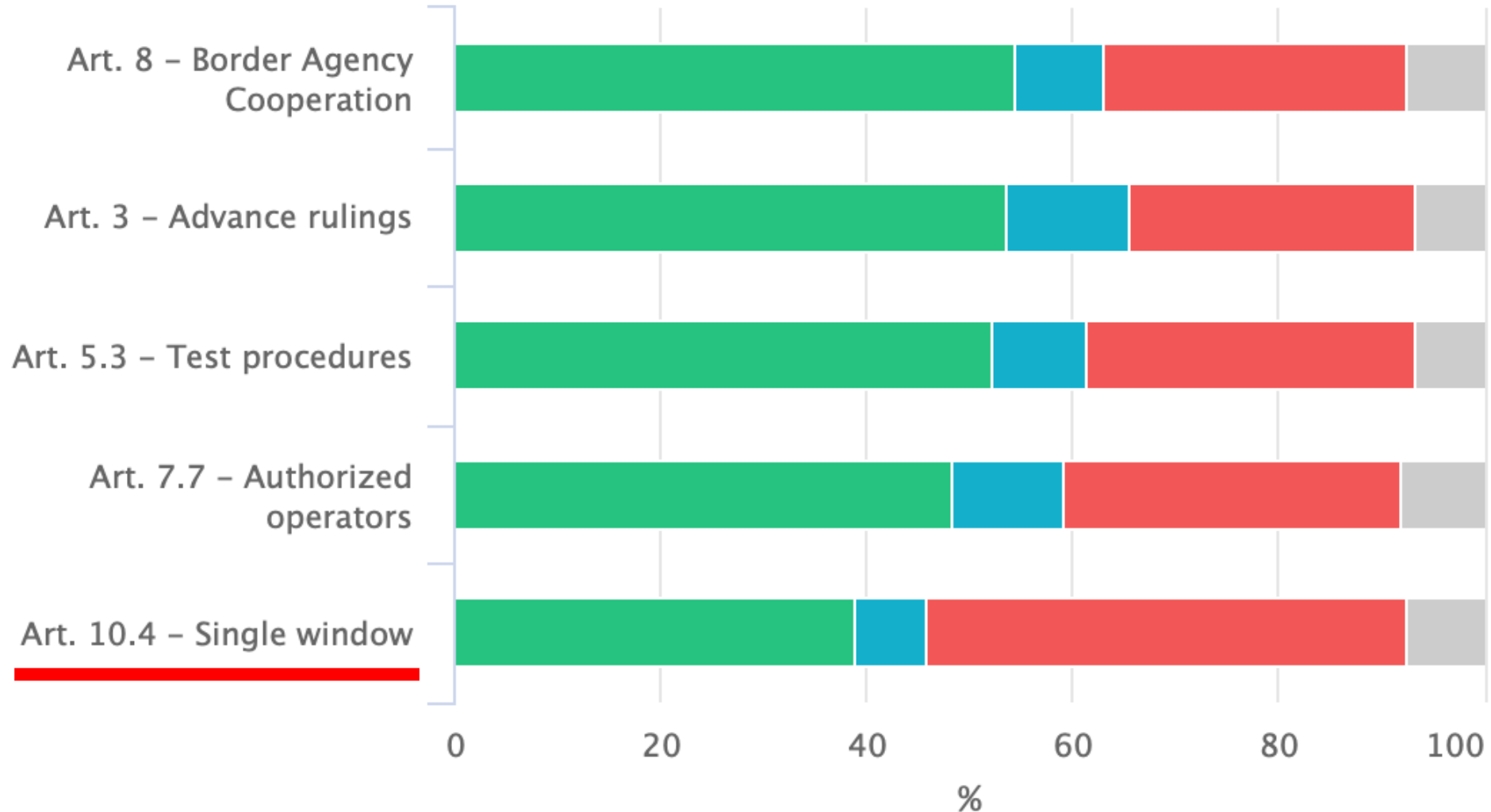
WTO TFA notification Article 10.4 Single Window

Single Window & Trade Facilitation

Single Window & Disruptive technologies

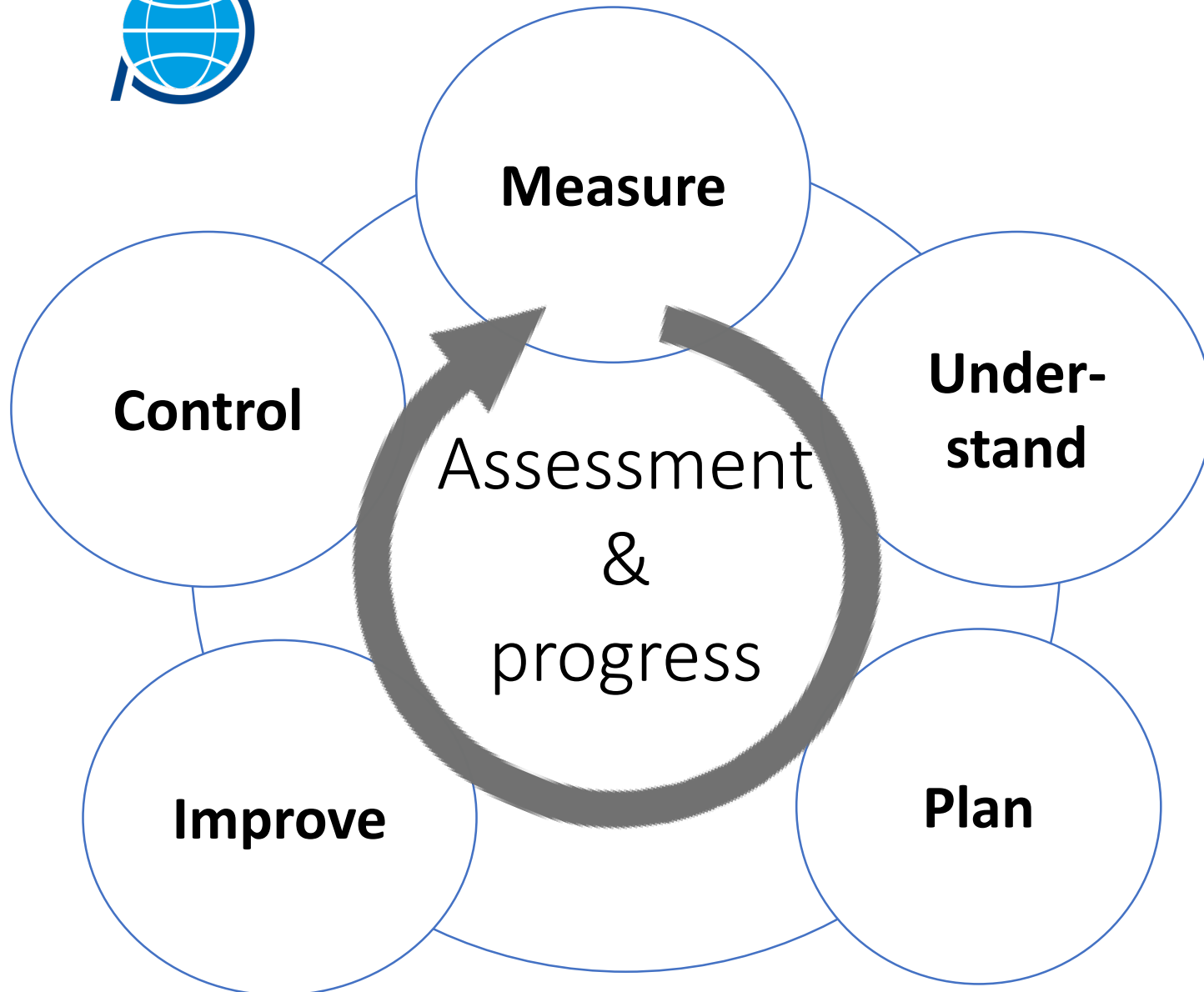


Bottom 5 WTO TFA measures with the lowest implementation





Why is it important?



Better understanding of the current SW status helps to plan trade facilitation programme



HOW to assess the the level of NSW development?

- There is **NO** recognized methodology on SW assessment!
- There are some possible sideways to evaluate SW performance:





EEC methodology for the EAEU members

Indicators of successful functioning of the Single Window Mechanism

1

are given in the UNECE Recommendation No. 33 (the assessment was carried out by the Commission experts)

Quick analysis of individual elements of the Single Window Mechanism

2

(The assessment was carried out by the Member States)

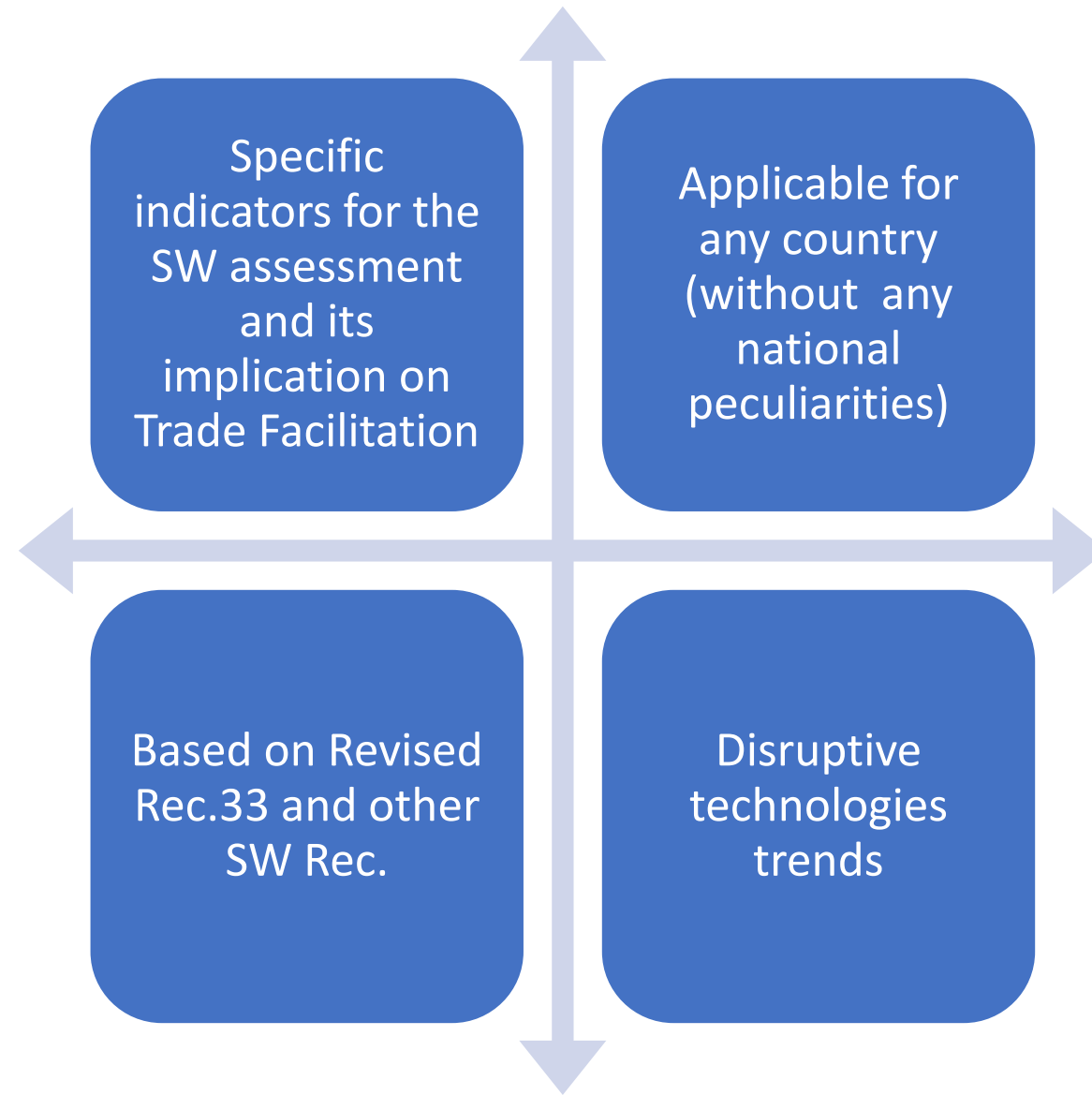
Analysis based on the indicators that represent the development of the Single Window Mechanism in 5 topical units

3

"Methodology for Assessment of the Development Status of the Single Window Mechanisms" approved by Decision of the Commission Board No. 123 of September 28, 2015



Universal methodology is required





Assessment phases





Approaches for complex assessment

1

Express-analysis
against 5 key
elements of SW

2

Assessment
against key
factors in
establishing
successful SW

3

Assessment of
achievement of
the goals of
implementation
SW

4

Assessment of
the ICT and
disruptive
technology use



Express-analysis against 5 key elements of SW

SW element	Not implemented	Partially implemented	Implemented
Parties involved in trade and transport	0	0,5	1
Standardized information and documents.	0	0,5	1
Single entry point	0	0,5	1
Fulfilling regulatory requirements	0	0,5	1
Single submission of individual data elements	0	0,5	1

$$O_e = \frac{\sum_{i=1}^e O_{ei}}{E} \times 100, (1)$$

The resulting value characterizes the level of NSW development in %.



Assessment against key factors in establishing successful SW

Rec.33.
Section J . Key success factors in establishing a Single Window

14

KEY FACTORS



37

INDICATORS

$$O_{\Pi N} = \frac{\sum_{i=1}^n O_k}{K_k} \quad O_{\kappa\phi} = \frac{\sum_{i=1}^N O_{\Pi i}}{N},$$



Assessment of achievement of the goals of implementation SW

Rec.33.

Section F. Benefits of establishing a Single Window



Benefits for trade



Benefits for trade

$$O_b = \frac{\sum O_{bb} + \sum O_{bg}}{N_b} \times 100$$

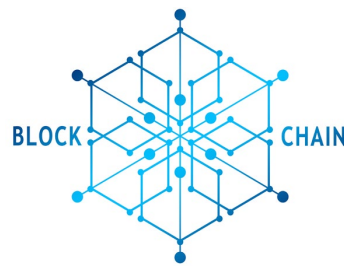
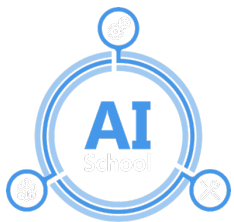
Assessment of the ICT and disruptive technology use for SW

11

INDICATORS of the ICT used



$$O_{ICT} = \frac{\sum_{i=1}^k O_{ki}}{k}$$



$$O_{ICT} (\%) = \frac{O_{ICT} \times 100}{m}$$

Disruptive technology use



Integral assessment of the level of NSW development

$$O_{SW}(\%) = \frac{Oe(\%) + Okf(\%) + Ob(\%) + Oict(\%)}{4}$$

The integrated index shows the level of the current level of development of SW in the country expressed as a percentage



Assessment example



Russian Federation

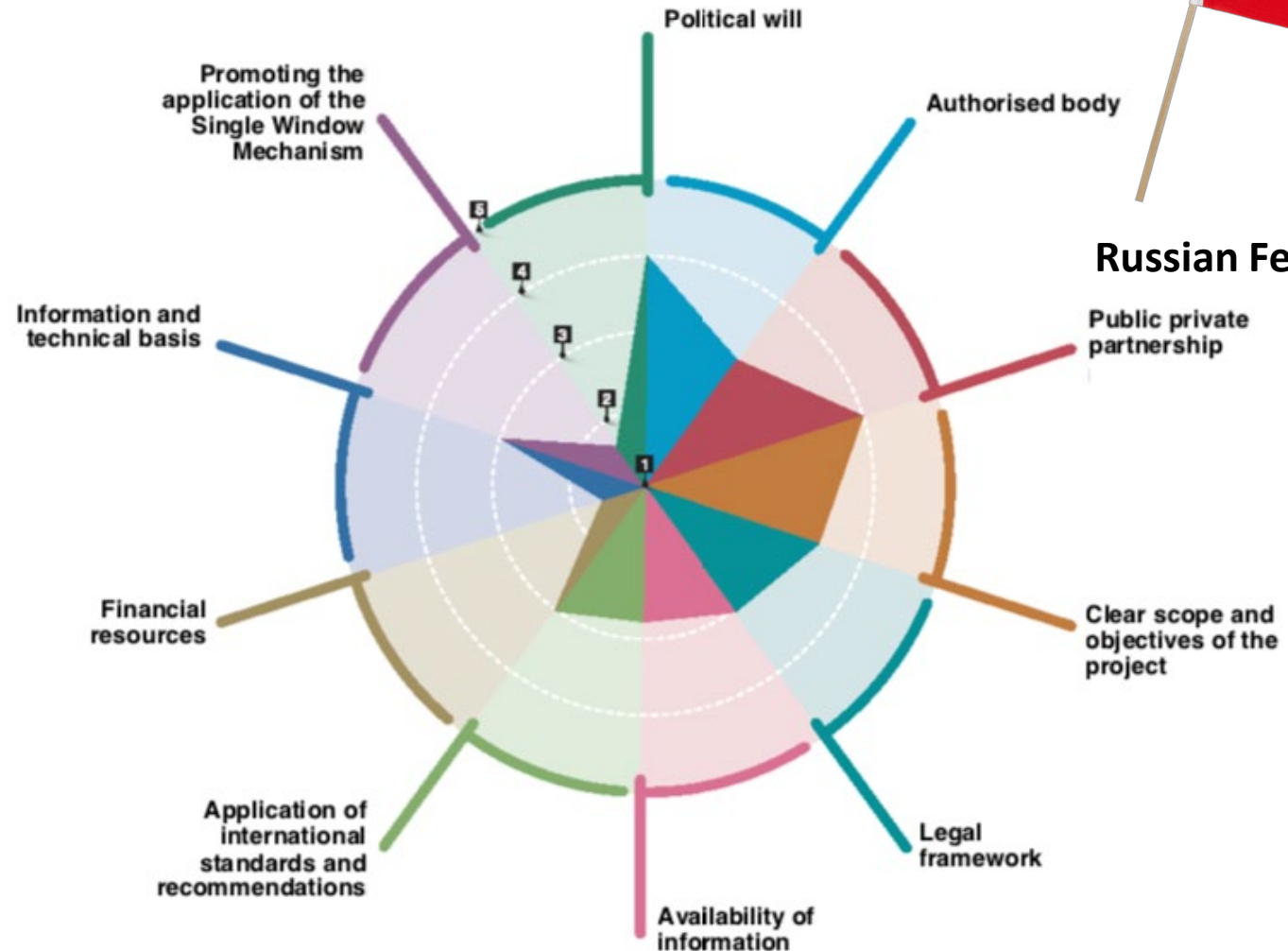
$$O_{eRussia} (\%) = 50 \%$$

$$O_{kfRussia} (\%) = 59 \%$$

$$O_{bRussia} (\%) = 60 \%$$

$$O_{ictRussia} (\%) = 48 \%$$

$$O_{SWRussia} (\%) = 54 \%$$





How can methodology be used?

- By Governments for:
 - AS IS analysis and Single Window programme calibration
 - Assessment for WTO TFA Article 10.4 notification
- By International organizations for:
 - Trade Facilitation and Single Window Implementation ratings in different countries
 - Identify weak spots among countries and guidelines development
 - Acquisition of assistance and support for capacity building