Optimization of completing documents on the introduction of the National Single Window, case of maritime transport Slovenia

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INTRODUCTION

- Large number of documents must be prepared and submitted to various national authorities
- Fulfilment and inspection of documents are long lasting processes
- UN/CEFACT recommends the implementation of SINGLE WINDOWS

SINGLE WINDOW
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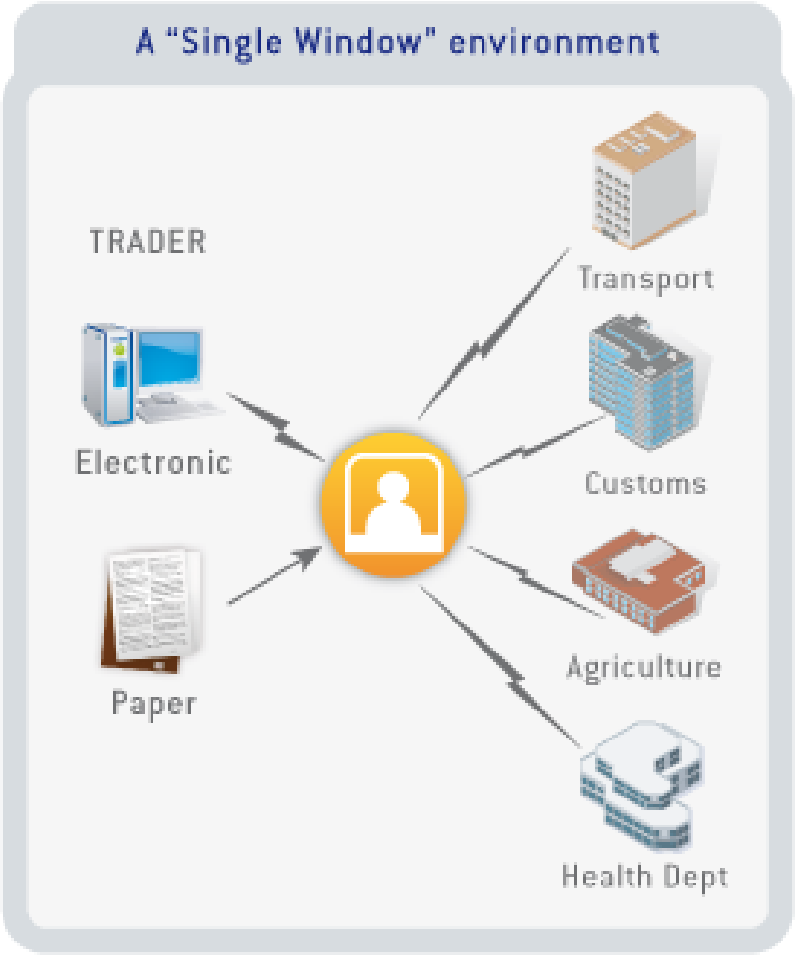
Object which enables one entry point for the fulfillement of every needed document for all participants



Vir: UNECE-UN/CEFACT (UNECE Recommendation 33)

INTRODUCTION

- Slovenia is currently ranked 28th in the Digital Evolution Index ranking
- in the field of digitalization of customs procedures we are at the very top of the EU

Slovenia is suitable for introducing the concept because:

- the increasing volume of cargo through the international freight airport
- logistic operators in Slovenia are already equipped with good information infrastructure
- for implementation are also interested in companies, dealing with information technology and educational institutions in Slovenia.

National Single Window

- It is part of a project AnNa (Advanced national Networks for Administration)
- Maritime transport
- In use since May 2017
- Transhipment in Port of Koper:

The quantity of cargo transhipped in the Port of Koper

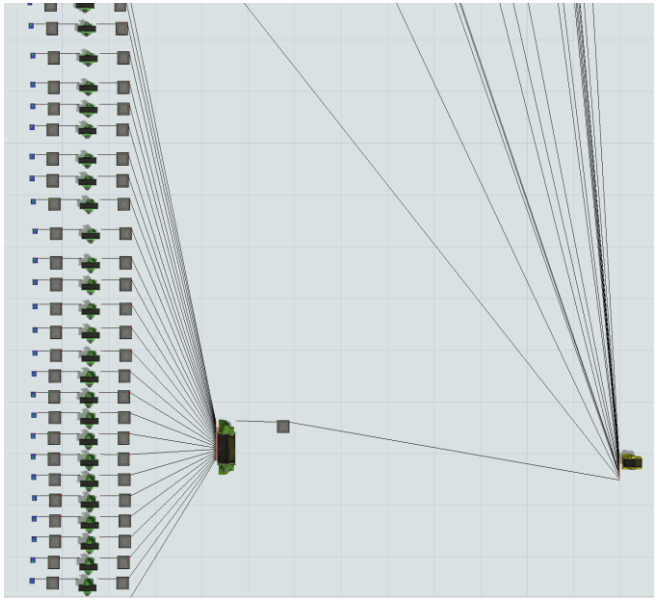
Year/Goods	Tons
2015	12.861.799
2016	13.721.848
2017	19.063.587
2018*(just for 10 months)	22.310.751

Source: SURS, 2018

METHODOLOGY

- simulation for the process of completing the required documents for three types of input cargo: cars, coal and container cargo
- Collected all the documents present in the process of receiving the ship
- Printed out all the items that need to be entered into each document
- Analysed the duplication of entire documents and duplication of individual items in different documents
- Built the simulation with using the FlexSim program

An excerpt from a simulation model



CURRENT SITUATION

Time attributes of the model

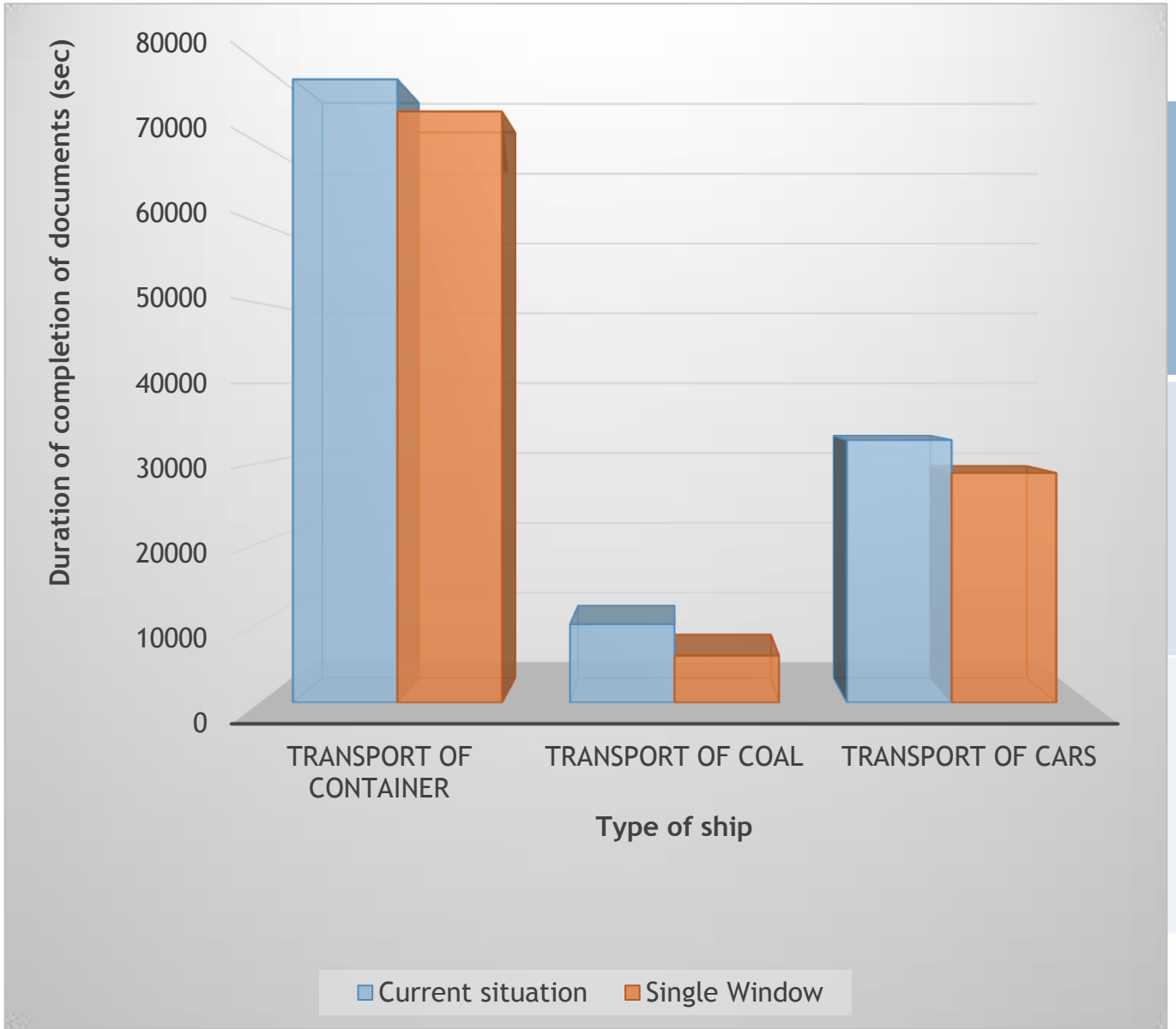
Type of data	Entry time (sec)
Numeric data	6
Company name	12
Descriptive data	180
Other data	2

Number of data needed

	Current situation	Single Window
Number of documents	33	20
Number of items	423	224

Repetition of the documents: FAL 3 (double repetition); FAL 4 (double repetition); FAL 5 (threefold repetition); FAL 6 (threefold repetition); Health statement (double repetition); ISPS ship announcement (double repetition); Waste form (double repetition).

RESULTS



	Single Window
224	

Ship type	Saving time (%)
Transport of container	5,07
Transport of coal	39,93
Transport of cars	12,51

CONCLUSION

- Advantages: time savings, more efficient use of human resources
- In Singapore time needed for the supporting documentation was shortened by an average of 97,7 %
- In our research results show that the average time saving when completing the fulfillment documents is 18.97%. The greatest saving is achieved with the ship carrying coal.
- The savings in time and human resources seem to be quite high and we believe that the introduction of the NEO system has a positive impact on the trade and transport sector.

Thank you!

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