Report of the Group of Experts on Benchmarking Transport Infrastructure Construction Costs

Mr. Roel Janssens, Secretary WP.5/GE.4
UNECE Sustainable Transport Division
GE.4 10th Session, Geneva, 31 January 2020
Agenda item 4 - Questionnaires

Questionnaire on transport infrastructure costs of intermodal terminals

Feed-back from Czechia:

- Railway dimension missing: e.g. railway track (rails, sleepers, fastenings), switches, track substructure, level crossing, signalling and control systems etc.
- Clarification on unit costs
- Some terminology needs to be explained/re-defined
- Explanation of abbreviations
- Specification of target audience of the questionnaire
Agenda item 4 – Data normalisation methodology

Use of existing statistical UN tools and methodologies

STEP 1 - Marketprice exchange rates:

STEP 2 – Use of GDP deflators:
https://unstats.un.org/unsd/amaapi/api/file/15

Socio-economic data to be provided by UNECE statistics!
Agenda item 5 – Structure of the final report

CHAPTER 1 – Introduction - setting the scene: Mandate of the Group; Purpose of the report, its strengths and weaknesses, data collection challenges (Secretariat)

CHAPTER 2 – Benchmarking of transport infrastructure construction costs, why does it matter?

(a) Literature review: definitions, concepts and methodologies (?)
(b) Overview of international and national experience and practices (Informal document no. 1)
(c) Overview of models and methodologies (?)
Agenda item 5 – Structure of the final report

CHAPTER 3 – Glossary on construction costs
(a) Introduction, challenges and concerns (?)
(b) Road (sub-divided by construction, maintenance and operations)
(c) Rail (sub-divided by construction, maintenance and operations)
(d) Inland waterways, inter-modal terminals, ports (sub-divided by construction, maintenance and operations)

CHAPTER 4 – Benchmarking transport infrastructure costs
(a) Review of methodology - questionnaires (in annexes), explain the normalization approach etc. (Secretariat + GE.4)
(b) Benchmarking database, by mode (?)
(c) Analysis (heat maps, charts, etc.) (?)
(d) Benefits of benchmarking data in GIS format (Secretariat)
Agenda item 5 – Structure of the final report

CHAPTER 5 – Conclusions and recommendations (GE.4)

Annexes (questionnaires), list of acronyms, reference list, list of tables, charts and figures etc.

Need for: illustrations, pictures, figures to be provided by the Group in advance!
## Agenda item 5 – Proposed division of tasks

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Time line 2020

Feb/Mar 2020
Drafting process

Apr/May 2020
Assessment of data

May/June

29 June 2020
REPORT READY

Regional Promotion

WP.5 September

REPORT READY

Assessment of data
1. Produce questionnaire check-lists/ reach out to survey respondents, seek clarification (Turkey, Poland, Secretariat)

2. Finalise IWW/ ports and inter-modal terminals questionnaires and submit through WP.3 and WP.24 (Poland, Secretariat)

3. Raise awareness about GE.4 achievements at the ITC, end of February, with the purpose to sensitise Governments and gather additional data (i.e. Germany, France, etc.) (Secretariat, GE.4)
Agenda item 5 – Immediate next steps/ by end of February

4. Finland: provide road data, provide written inputs on Finnish practice and approaches

5. Poland: provide road data, provide TEM data

6. Russian Federation: provide rail data/ inputs

7. ...

8. ...