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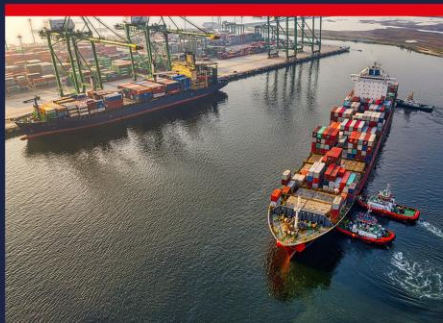
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Code List for berth identifiers?

Michael Schröder



Code List for berth identifiers?



In this presentation

- Definition of terms: Terminal versus Berth
- Examples of current berth identifiers from different ports.
Currently there are different standards in use in each port or even terminal.
- Discuss with the audience:
Where are the pain points in the current standards? What could be improved?
Does the audience see the need for a global standard across all ports? What would be the chance for adaption?
- As conclusion, come out with a SMDG position paper.
In case there is a need seen for a global standard, the SMDG might consider to enhance the existing Terminal Code accordingly.

Codes for ports and terminals



Cities and ports are identified by **UN/LOCODE**, for example **DEHAM** denotes the city of Hamburg in its administrative boundaries as shown on the right (*from Openstreetmaps*).

The UN/LOCODE is maintained by the UN/CEFACT and published here: <https://unece.org/trade/cefact/unlocode-code-list-country-and-territory>

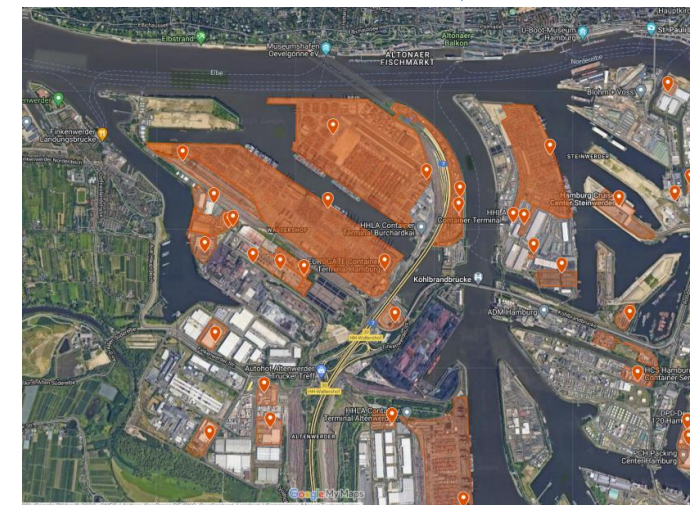
DEHAM = City of Hamburg



Terminal codes are maintained by the SMDG and published here: <https://smdg.org/documents/smdg-code-lists/smdg-terminal-code-list/>
The **SMDG Terminal Code** is recognized as an official Child Code of the UN/LOCODE by the UN.

Example: **DEHAM-EGH** denotes Eurogate terminal in Hamburg.

Terminals in DEHAM

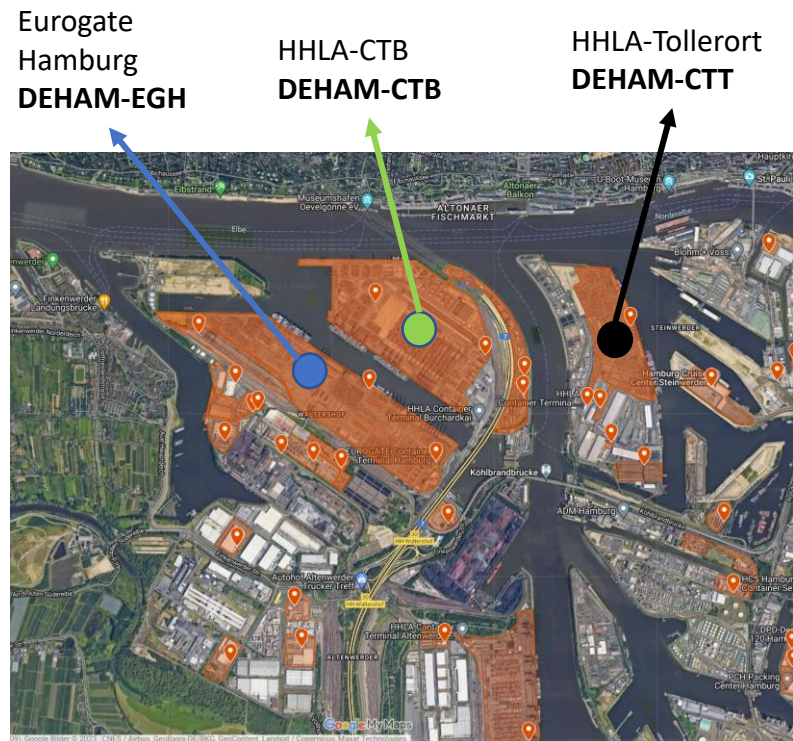


Definition of terms: Terminal vs Berth

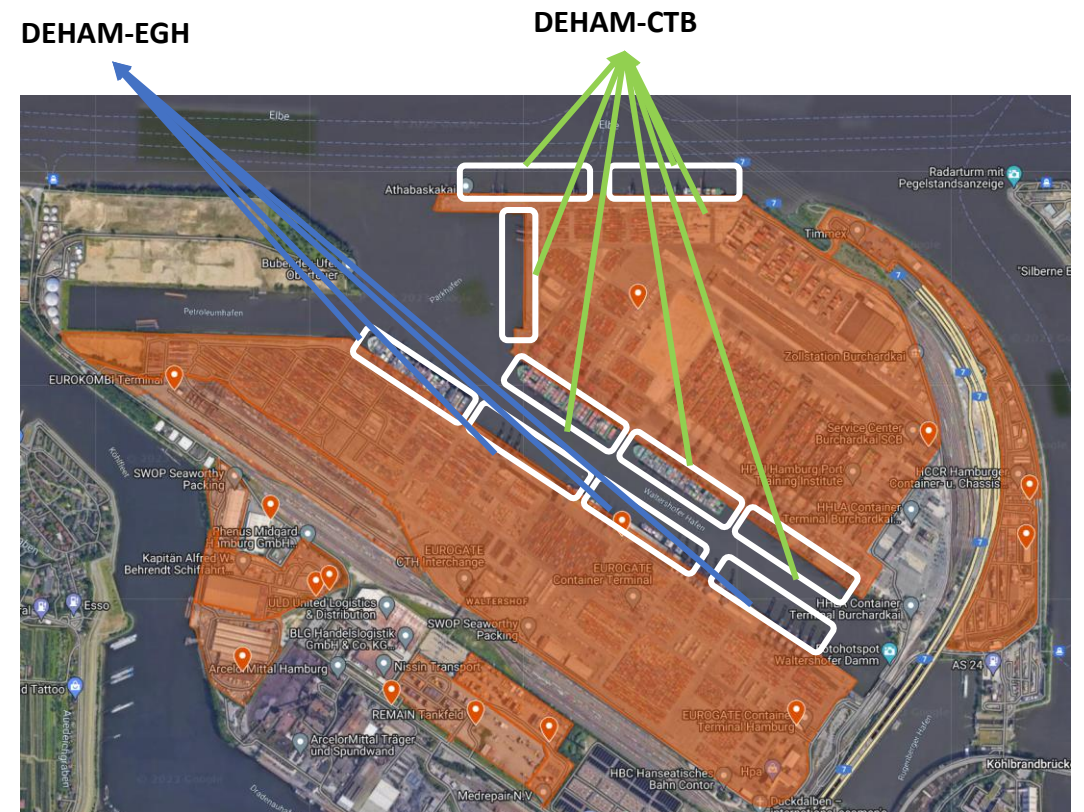


Terminals are defined as Container Handling Facilities that are called by seagoing vessels in maritime trade.

Terminals are identified by SMDG Terminal Code. Examples:



A **Berth** is the space occupied by 1 vessel at the pier. Each terminal provides several berths for several vessels. Example picture: 4 berths at Eurogate and 6 berths at CTB. Note: Berth size is not fix. 2 berths could be occupied by 3 smaller vessels or 4 very small vessels.



Currently used Berth Identifiers



Currently each port and even each terminal is using different berth identifiers.

Typical coding schemes are:

- Meter Marks,
- Bollard Numbers,
- Sequential Numbers

Some examples:

RWG Rotterdam using Bollard Numbers eg. BM053

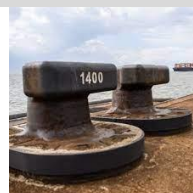
LOC+164+NLRWG::DS2+BM053::0+BM031::-3'

LOC+<BERTH>+<BERTHLLOC>::<QUAY>+<BOLLARDFORE>::<BOLLARDFOREOFFSET>+<BOLLARDAFT>::<BOLLARDAFTOFFSET>'

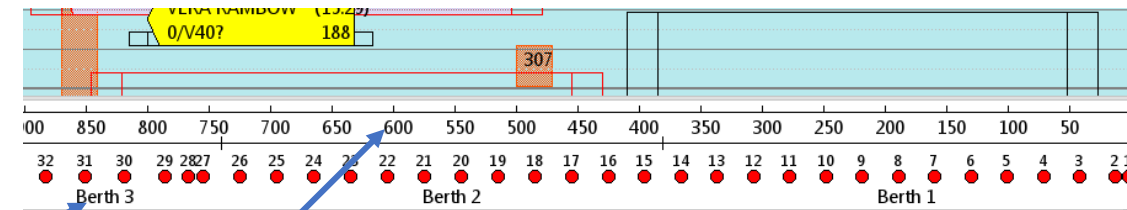
ECT Rotterdam also using Bollard Numbers but diferent syntax eg. EMX-52

LOC+164+NLRRTM+EMX-52+EMX-61'

This is a bollard

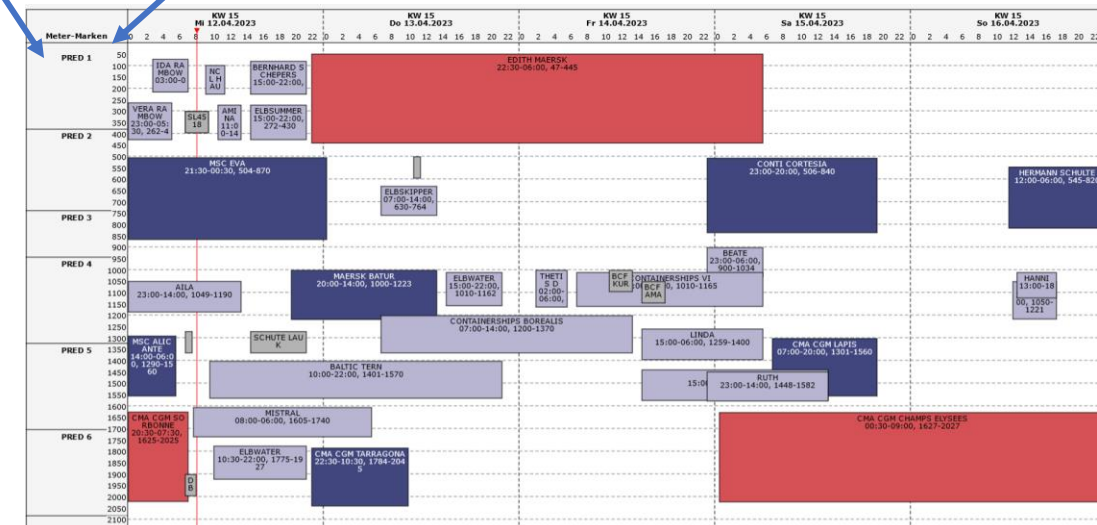


Eurogate Hamburg using Meter Marks and Sequential Numbers



Sequential Numbers

Meter Marks



Code List for berth identifiers?



Discuss with the audience

- Where are the pain points in the current standards?
- What could be improved, what needs improvement at all?
- Does the audience see the need for a global standard across all ports?
- What would be the chance for adaption of a global standard?

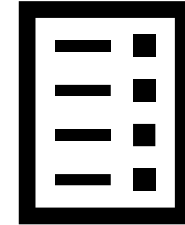


Code List for berth identifiers?



Conclusion

- Develop an SMDG position paper as next step.
In case there is a need seen for a global standard, the SMDG might consider to enhance the existing Terminal Code accordingly.





Thank You

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