



departement  
*Mobiliteit en  
Openbare Werken*

# Member State view - Belgium

**ir. Pim Bonne**

**04/12/2012**

**EMSA, 3rd expert meeting on LNG  
Brussels**

Vlaamse overheid 



*departement*  
*Mobiliteit en*  
*Openbare Werken*

## **Flemish LNG study**

- Joint tender by Flemish Department of Mobility and Public Works (MOW), ports of Antwerp, Zeebrugge and Gent, and infrastructure manager FluxysLNG.
- “Modalities for the provisioning of LNG as shipping fuel in Flemish ports”, carried out between January and July 2012.
- Results should lead to the necessary measures being taken on short term in order to facilitate LNG bunkering in the Flemish sea ports.



*departement*  
*Mobiliteit en*  
*Openbare Werken*

## **Flemish LNG study**

- Study awarded to DNV Belgium and M-Tech.
- Four parts
  - **Market survey (DNV Belgium)**
  - **Legal and regulatory framework (DNV Belgium)**
  - **Logistical organisation (DNV Belgium)**
  - **Risk assessment (M-Tech)**



## **Flemish LNG study**

- Market survey
  - **Looked into the potential share of LNG in the bunkering demand in the three ports concerned.**
  - **Supports strategic decisions of the port authorities on construction of LNG infrastructure.**
  - **This part of the study is not public.**



*departement*  
**Mobiliteit en**  
*Openbare Werken*

## **Flemish LNG study**

- Legal and regulatory framework
  - **Overview of existing rules and standards regarding all steps in the LNG supply chain, covering local, Flemish, Belgian and international level.**
  - **Gap analysis in the regulatory framework.**
  - **23 recommendations formulated.**
  - **Available through**  
**<http://www.flanderslogistics.be/fpa/lng.php>**



*departement*  
**Mobiliteit en**  
*Openbare Werken*

## **Flemish LNG study**

- Logistical organisation
  - **Development of a strategic decision model.**
  - **Comparing different set-ups of the LNG supply chain in a port.**
  - **Supports strategic decisions of the port authorities on construction of LNG infrastructure.**
  - **This part of the study is not public.**



departement  
Mobiliteit en  
Openbare Werken

## **Flemish LNG study**

- Risk assessment
  - Risk assessment of the components in the LNG supply chain.
  - Gives insight in the potential risks of the use and distribution of LNG in a port environment.
  - Summary available through <http://www.flanderslogistics.be/fpa/lng.php>, complete risk assessment study is currently being translated in English.



*departement*

*Mobiliteit en  
Openbare Werken*

## **Follow-up**

- Follow-up of the 23 recommendations on the legal and regulatory framework by an expert group (MOW, ports, FluxysLNG). Recommendations to be taken up with:
  - **Other Flemish government services (environmental)**
  - **Belgian federal government services, with regards to CCNR and IMO**
  - **EMSA**
  - **Port authorities internally**
  - ...





## **Gap analysis by GL**

- High level of agreement with the conclusions of the part on legal and regulatory framework in our study, carried out by DNV Belgium.
- We don't expect LNG bunkering procedures to be covered by an IMO initiative.
- We believe EMSA should take the lead in the swift development of harmonised LNG bunkering guidelines, at least on EU level.



## **Gap analysis by GL**

- EMSA and the ISO TC 67 WG 10 should team up in this respect. Technical expertise can come from ISO, EMSA can facilitate the development of EU guidelines.
- Please use the expertise of the pioneer ports in this exercise (Zeebrugge, Antwerp, Rotterdam, Hamburg, Göteborg,...).
- Guidelines should allow sufficient flexibility, don't halt on-going developments.



*departement*  
**Mobiliteit en**  
*Openbare Werken*

## **Gap analysis by GL**

- We support the approach proposed by EMSA & GL, developing guidelines covering gaps 1, 2, 3, 4 and 9.
- Please include gap 5 (portable LNG fuel tanks) in this approach. This option is currently being considered in our ports.



*departement*

*Mobiliteit en  
Openbare Werken*

## **Gap analysis by GL**

- Sea ports should adapt their port bye-laws and port rules in order to create a correct framework for LNG bunkering. Preferably this is done in a similar way in all ports.
- An international initiative (IAPH/ESPO) on common port rules on LNG bunkering would be highly welcomed.



*departement*  
**Mobiliteit en**  
**Openbare Werken**

- Ir. Pim Bonne
  - **Flemish Department of Mobility and Public Works, Belgium**
  - **[pim.bonne@mow.vlaanderen.be](mailto:pim.bonne@mow.vlaanderen.be)**
  - **Tel. +32 2 553 62 51**