

# 5G E GUIDE workshop 20-January-2025

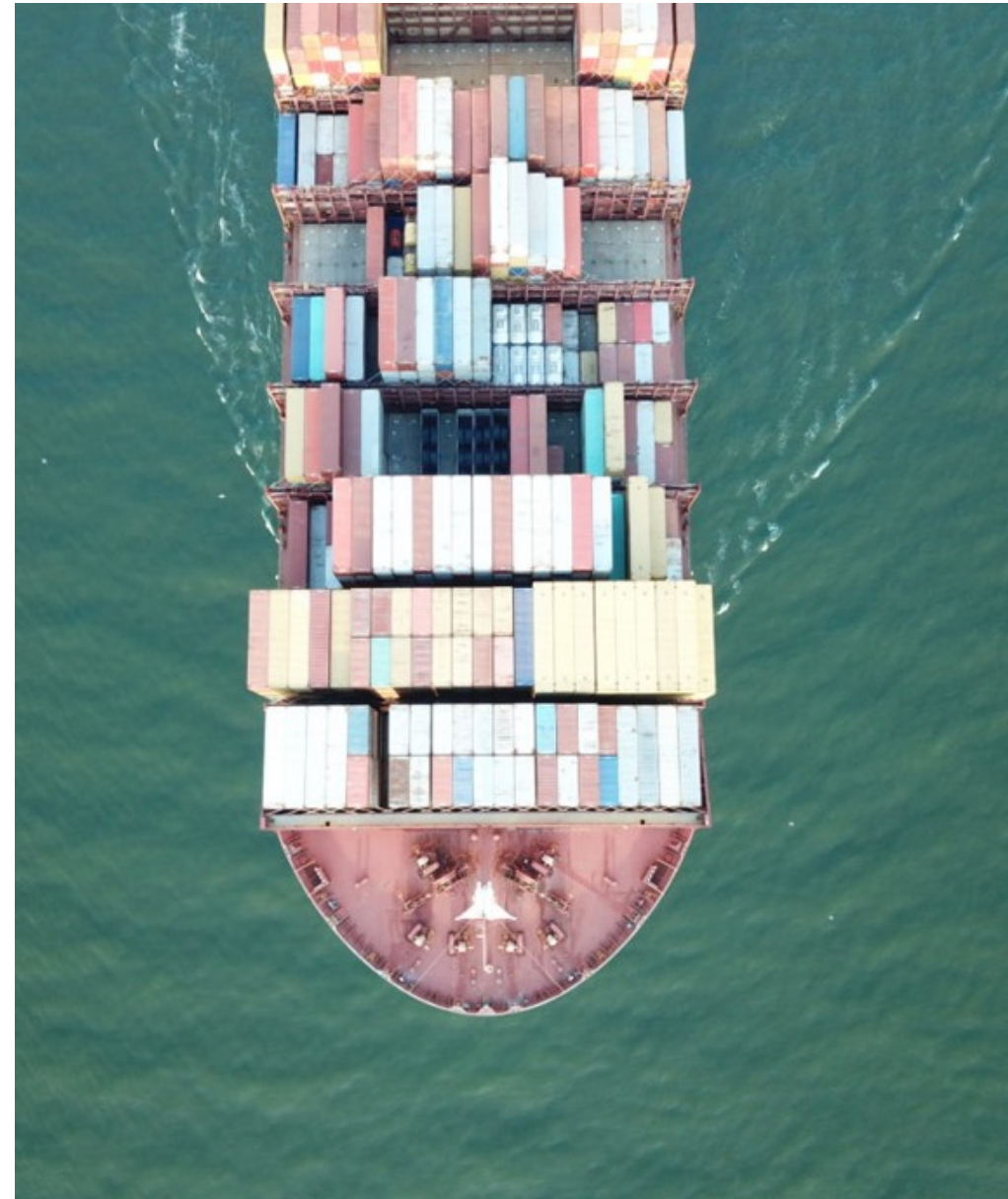
CEF Digital 5G  
Connecting Europe Facilities  
Works 101181349 – 23-EU-DIG-5GE



kpn



Connecting Europe Facility (CEF)  
Co-funded by the European Union



# 5G E – 5G Corridor for maritime



## Project

**5G corridor coverage :**

157 km waterway uninterrupted 5G coverage

**5G cross-border :**

Improved cross-border experience  
at 4 waterway cross border points

## Consortium



## Stakeholders



## 5G E – Importance of the corridor



Port of  
Antwerp  
Bruges

15.000 ha

approx 170 km of quayside

20.000 sea-ships

50.000 inland ships

#2 in freight transport (Antwerp)

#1 in car shipments (Zeebrugge)

in Europe



North  
Sea  
Port

9.100 ha

9.500 sea ships

40.000 inland ships

#7 in freight transport

in Europe

### Albert Canal

130 km long

= approx 12% belgian waterways

more than half of the

inland cargo traffic in Belgium

# 5G E – Waterway use case

## Port Authorities



## Inland Waterways



Drone inspection flights

Cameras for own inspection ships

Pilots & cameras for tugging

Private network for ICT equipment

## Automated inland shipping

Remote control



Fully automated

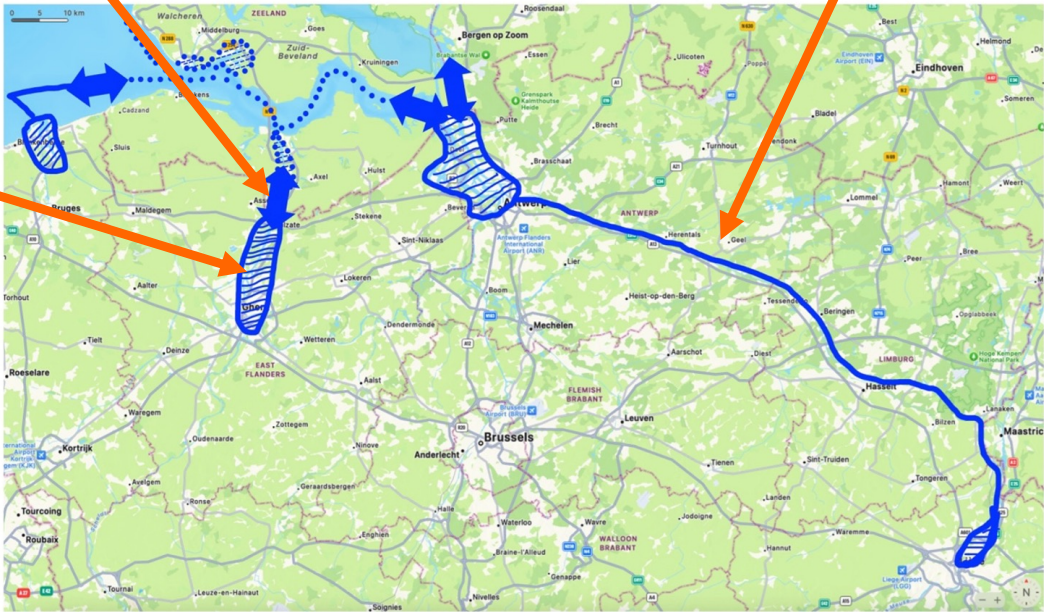


# 5G E – 5G coverage

#2. Ensure good coverage at cross border

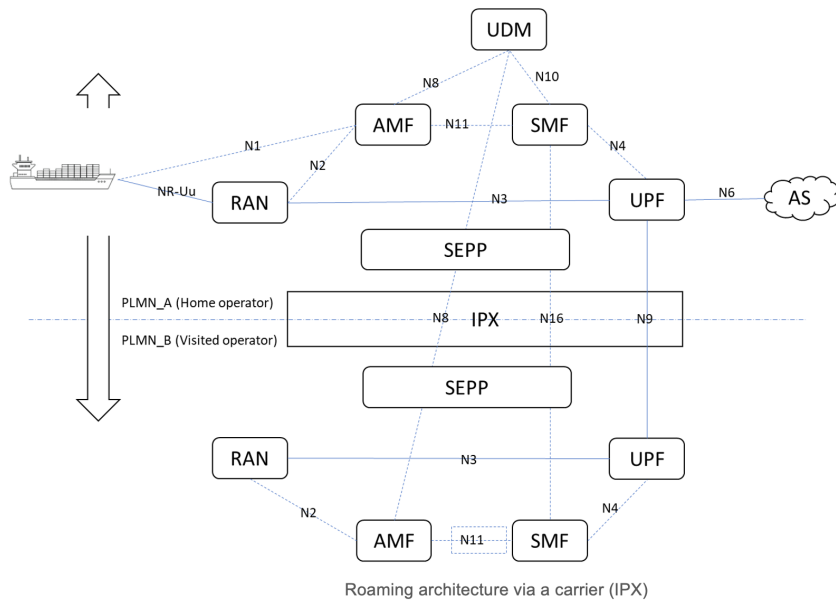
#1. Complete to un-interrupted 5G on canal

#3. Some densification in the ports

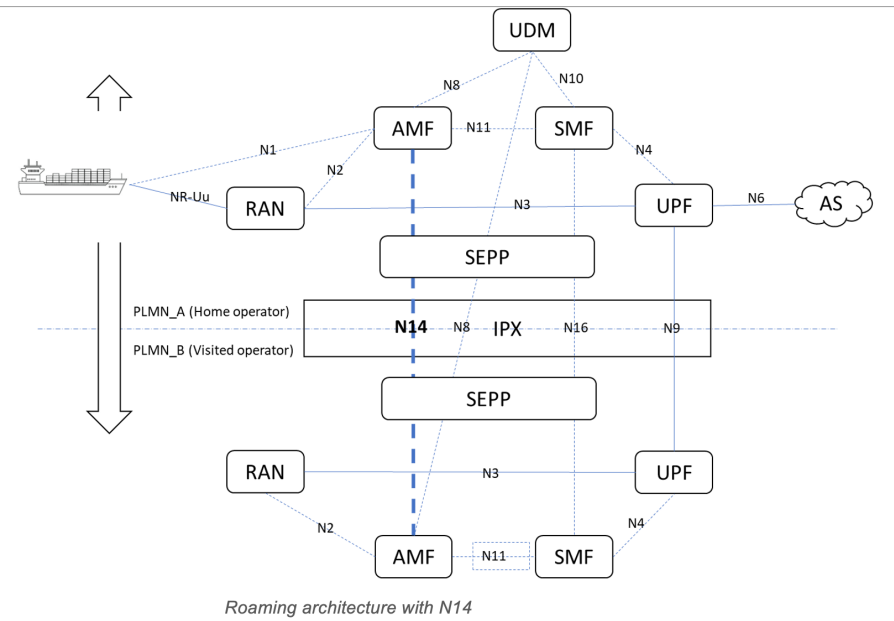


# 5G E – enhanced 5G cross border

## Standard 5G SA roaming with some improvements



## Additional enhancements with N14 integration



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## 5G-E – Q&A

Any more questions ?

