“Port Community Systems – Tools for Trade Facilitation”

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“Port Community Systems and other private / public collaborative systems are the way forward and need to be incorporated into future methods of border management.”

What is a Port Community System?

“A Port Community System is not an IT project, but a change management project.”

Javier Gallardo, Portic (IPCSA), Red VUCE meeting, 4th December, Cusco, Peru

A Port Community System is:

• a neutral and open electronic platform enabling intelligent and secure exchange of information between public and private stakeholders in order to improve the competitive position of the sea and air ports’ communities.

• optimises, manages and automates port and logistics efficient processes through a single submission of data and connecting transport and logistics chains.
The Port Community System – a typical example
Transport – A complicated process
Transport – A complicated process

Vessel Call
1. Notification Vessel Disposal
2. Notification Dangerous Goods
3. Notification Safe2SeaNet
4. Vessel Notification
5. Statement Harbour Duties Amsterdam
6. Statement Harbour Duties Rotterdam/Moerdijk
7. SPOC NIL
   - Notification Crew and Passengers Lists
   - Single Window

Import Cargo Management
1. Cargo Declaration Status Report
2. Customs/Zone Process
3. Inspection Portal
4. Cargo Information 2.0
5. Discharge Confirmation Report
6. Discharge Information
7. Discharge List
8. Notification Local Clearance
9. Notification Bonded Warehouse
10. Declaration Food and Consumer Products
11. Notification Import Documentation
12. Tariff Declaration
13. Discharge Difference List
14. Veterinary Inspection Process
15. Pre-arrival Cargo Declaration Import (a)
16. Pre-arrival Cargo Declaration Import (b)
17. Seaport Services

Organization of Hinterland Transport
22. Land Planning
23. Inland Port Dues
24. Information Services Dangerous Goods
25. Rail Planning
26. Road Planning
27. Transport Order
28. Nostalgia

Export Cargo Management
31. Loading List
32. Notification Arrival Export Containers
33. Notification Arrival EOQ Cargo
34. Notification Export Documentation
35. Cargo Declaration Export Bulk
36. Cargo Declaration Export Containers
37. Est. Summary Declaration
38. Track & Trace Export
39. Clearance NCTS Export Containers

Agents, shipping companies and shipbrokers in the bulk and container sector can speed up the logistic processes around vessel visits by using the Portbase services.

This improves the logistic process because authorities – such as Customs and the Harbourmaster – and port authorities are informed in good time about the arrival of a ship, the cargo and the country of origin. There is also more coordination between all the parties involved. As a result, activities can be scheduled well in advance and potential risks are minimised. Any inspections can be scheduled before the ship actually enters the port. Throughput times in ship handling are being reduced further.

Agents, shipping companies, shipbrokers, importers and forwarders are required to notify various authorities of the cargo they want to import to the European Union. This applies to both bulk and container transport. The Portbase services make it easy to comply with these requirements.

Information is provided efficiently and transparently to all the parties involved, such as Customs and the Food and Consumer Products Authority. Trade information makes a smooth flow of goods possible. Within the Portbase services, the review of information enables a further simplification of logistic processes.

The port represents the gateway to and from the hinterland. Road operators, rail operators and hauliers use the Portbase services to deliver and collect containers at the sea terminals. Forwarders, importers and exporters communicate with road hauliers about transport orders using the PCS.

For cargo that needs to be moved to and from the port, the Portbase services provide a user-friendly way of exchanging information. Thanks to the Portbase services, terminals are informed well in advance of all the required information, so known. As a result, logistic processes can smoothly.

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Trade Facilitation Challenges

- Single Window simplifies, harmonises and automates, **BUT** in general only administrative processes.

- True Trade Facilitation should link both simplification, harmonisation and automation of **BOTH** Administrative and Operational Processes.

This is where a “Port Community System” or Collaborative system is needed.
PCS – A Trade Facilitation Tool

A PCS:

• Links administrative processes to operational ones
• Thus re-using data for both purposes
• and the re-use of existing Information Systems
• Creating Transparency & reducing trade burdens
• Can also act as a Gateway into a Single Window
PCS – A Trade Facilitation Tool

PCS thus link **Administrative** and **Operational** procedures electronically via the exchange of messages on a end to end basis (machine to machine) with all stakeholders.
SW Trade Portal-PCS/ SW Links

- Act as Gateways into Single Window
- Potentially reducing the number of interfaces for administrations
- Improving quality of data sent to administrations
- Increases trade:
  - Benin, Africa – In two years
    - Increase from 150,000 to 250,000 TEU
    - Dwell time from 36 to less than 8
    - Increase custom revenue from 410m to 490m Euros
  - Odessa, Ukraine – In two years
    - Reduction from 43 days to 3 days on dwell time
Current Trends

- Track and Trace (using existing date)
- Electronic Certificates (IMO)
- Maritime Single Windows (IMO)
- Linkages to financial institutions
- Cybersecurity
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