

IPCSA

Port Community Systems, Interoperability & Multimodal Data Exchange

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IPCSA

International Port
Community Systems
Association



NETWORK
OF TRUSTED NETWORKS

Connecting and
sharing data globally
between ports and
cross border

PROTECT

“A Community of Communities”



53 Members
operating in
over 50
Countries



Members
Operating in
excess of 500 Sea
Air Ports, Inland
terminals &
border crossings



Seaports,
Airports, PCS
Operators,
Single Window
Operators



Over 50bn
electronic
exchanges per
annum and
1.5m+ users



Covering
500m + TEUS
20bn + Tonnes
of cargo



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PROTECT

IPCSA MEMBERS 2024



Autorità di Sistema Portuale del Mar Ligure Orientale
Porti di La Spezia e Marina di Carrara



Autorità di Sistema Portuale del Mar Adriatico Centro Setentrionale
Port of Ravenna



Autorità di Sistema Portuale del Mare Adriatico Orientale
Porti di Trieste e Monfalcone



LOGINK
国家交通运输物流公共信息平台
NATIONAL PUBLIC INFORMATION PLATFORM FOR TRANSPORTATION & LOGISTICS



PORTS of GENOA
VADO LIGURE • SAVONA • PRA • GENOVA



BOUAYE AL-MAGTA GATEWAY



SOHAR
PORT / FREEZONE



DPCS
DUBAI PORT COMMUNITY SYSTEMS



Una Référence Internationale



constantza port



epuertobilbao



Kale Logistics
Technology that Transforms



PORTTEL
SERVICIOS TELEMATICOS



CNS



HPCS



GUICHET UNIQUE DU COMMERCE EXTERIEUR | COTE D'IVOIRE



NIGERIAN PORTS AUTHORITY



GUICHET UNIQUE DU COMMERCE EXTERIEUR | COTE D'IVOIRE

VISION & MISSION

VISION

The world needs **sustainable, secure** and **seamless** trade and logistics in order to thrive and prosper. Sharing more and better data throughout the supply chain is key in fulfilling this need. We believe that Community systems like PCS's and Single Windows play a vital role in the logistics digital ecosystem and can accelerate the adoption and scale of digitalisation. We believe that IPCSA, as a neutral body, is needed to play an essential role in influencing the conditions for PCS and Single Windows to operate .

MISSION

Make sure that **Port Community System Operators (PCSO), Single Window Operators (SWO)** and **Sea and Air Port Authorities** are able to deliver the maximum value in global and regional trade & logistics by:

“To act in the common interest of IPCSA members to influence public policy at the international level, in order to promote the electronic exchange of information to enable seamless and efficient trade logistics processes. This will be achieved through lobbying, practical initiatives and projects, as well as engagement with the global, regional and national logistics communities and relevant public bodies.”

GOALS

Goals

.... enabling members to be **recognised** internationally relating to the electronic exchange of information and to be consulted substantively on any measure likely to affect them

... creating **stakeholder buy-in** to support the role of PCS and Single Windows

.... **strengthening** the international and regional **position** of PCS and Single Windows

....**promoting** international **data-exchange** and the highest possible use of **standards** in trade & logistics

IPCSEA's Actionable program plan...

Our fundamental basis = *“a referenced and acknowledged expert and advisory institute”*

Our focus points and projects are build around 3 main pillars

- Membership engagements
- A global & regional strategy
- Strategic relations & partnerships

IPCSA Representation, Collaborations and working relationships



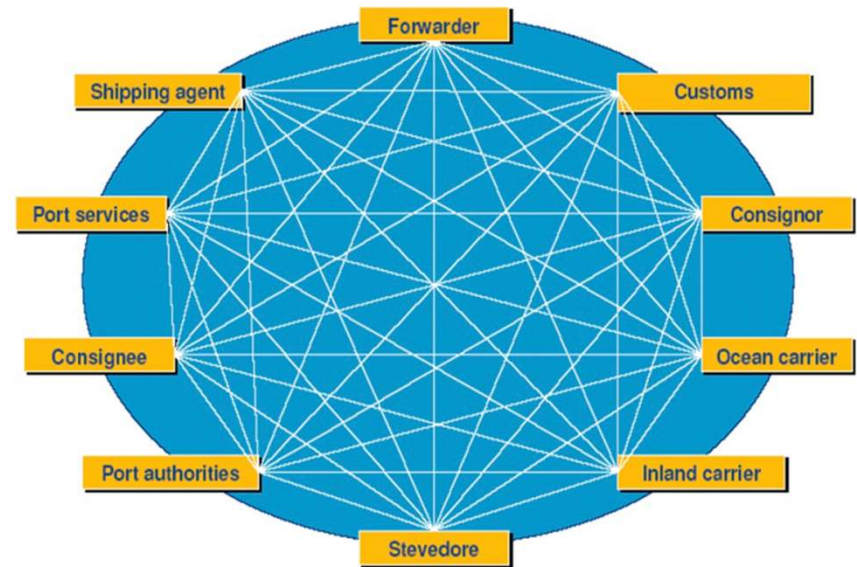
Global & Regional Trade Associations and Organisations

IPCSA Core Representation, Partnerships, Collaborations & working relationships



a Port Community System (PCS) proves its benefits when b2g and b2b processes go 'hand in hand'

Neither of the two or more or less important, but also neither of them should be forgotten



Things to consider when implementing a PCS

Don't think 'technology first': it's not an IT-project but a change management project

Stakeholder awareness and 'Community building'

Technology comes at the end, proven solutions are there



Capacity-Building through PCS or SW



- PCSs & SWs not only an enabler but also a lever for the digital exchange of multimodal transport- and cargo related information
- most important digital ecosystems to enable trade & transport
 - act as a Single Submission Portal (UNECE Rec. 37)
 - operate solutions through scalability, security, ...
- PCSs not only deal with maritime solutions – port hinterland services are key for efficient trade procedures end-to-end
 - PCS is a multimodal data exchange hub

⇒ PCS acts as an enabling environment to implement UN/CEFACT standards to ensure interoperability in transport and trade ...

Capacity-Building through PCS or SW

- UN/CEFACT framework + MMT RDM ideally placed for digital exchange of cross-border information, as they cover the whole supply chain
- Look towards existing building blocks and existing digital platforms (incl. PCSs/SWs)
- Technology and standards are there, but don't forget essential parts and critical factors – before you begin :
 - Raise awareness / stakeholder management
 - Identify business case(s) / work on business requirements
 - Governance on implementation structure, but also already on subsequent operations
 - Legal framework for cross-border exchange
 - Budget & scope

NoTN — the Network of Trusted Networks



NETWORK
OF TRUSTED NETWORKS

Connecting and
sharing data globally
between ports and
cross border

“Facilitate a **neutral, global, scalable and collaborative solution** among PCS and Single Windows based initially on Track & Trace APIs, facilitated by IPCSA.

To share and **exchange data Port to Port and Cross Border** and to simplify the associated administrative and technical solutions”



Cross Border and Port to Port Exchange

IPCSA considered what we know and use everyday.....



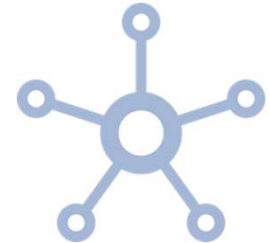
Catalogue of Standards



Choice of Ports & Services




Encrypted Exchange



Port Community Systems

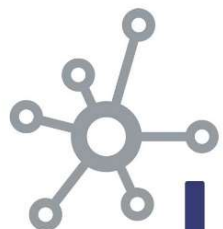
... and adapted them to allow for easy

Port to Port and Cross Border Exchange of Information between platforms for the benefit of their users



It's all about “the ease of doing business” and a PCS is just that

and don't forget:
“You need to change, in order to stay the same !”



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THANK YOU

Please send e-mails or questions you may have
as we always are welcome for discussion and collaboration

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