

5th June 2020



NETWORK
OF TRUSTED NETWORKS

Connecting and
sharing data globally
between ports and
cross border



IPCSA

International Port
Community Systems
Association

Why IPCSA ?

“A Community of Communities”



47 Members
operating on
over 50
Countries



Operating in
over 250 Sea
and Air Ports



1 million +
users of
members
systems



Over 50bn
Electronic
messages and
exchanges per
annum



Covering
500m + TEUS
10bn + Tonnes
of cargo



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“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”

**IPCSA Members as a whole operate in over 250
Sea and Air Ports in over 50 countries.**

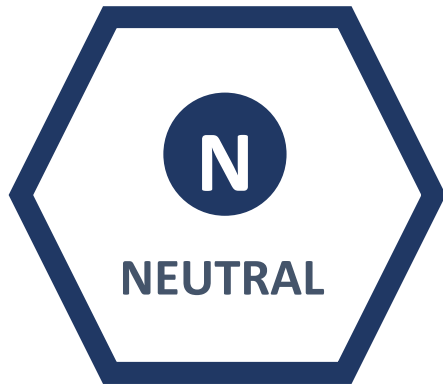




NETWORK

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Neutral and not for profit enabling platform

Open and Transparent – knowing who is sharing data and with whom



OPEN



Trusted with authentication built into each platform

Global Network of existing and new Community Systems and Single Windows



NETWORK

The Principles of the NoTN

- Central enabling technical node to allow for multiple connections and maintenance

- Simple & Standardised API connection procedure.

 - Portcall Information and Consignment Data

- Structured Terms & Conditions for:

 - Data Usage

 - Technical Requirements

- Digital fee negotiation

 - Directly between parties

 - Creates digital handshake once concluded which allows transactions

- Structured local authorisation and authentication setup by each PCS or Single Window

- Data fully encrypted and only visible to parties involved



NOTN In Practice

User / Stakeholder



Requests
Port Call Information
Vessel Departure Time

Authentication at
local level

PCS – AirPCS –
Single Window

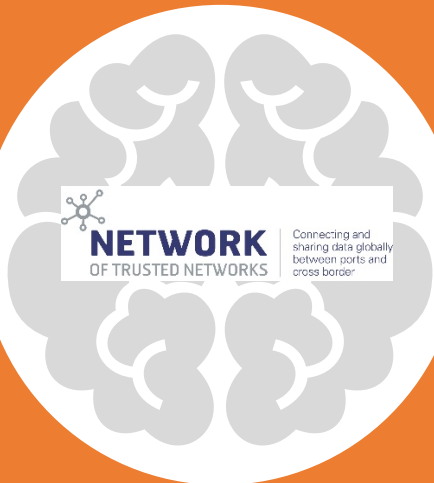
DATA
CONSUMER



Digital
Handshake

**FEE
Negotiation**

Fee: Negotiated
and Agreed



Identifies:
Portcall API

**API
Catalogue**

Implementation:
Portcall API

User / Stakeholder



Data Received from
Stakeholder or User

Authentication at
local level

PCS – AirPCS –
Single Window

DATA
PROVIDER





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Participating IPCSA Members – May 2020

15 Countries, 73 Ports, 9 Airport



DAKOSY



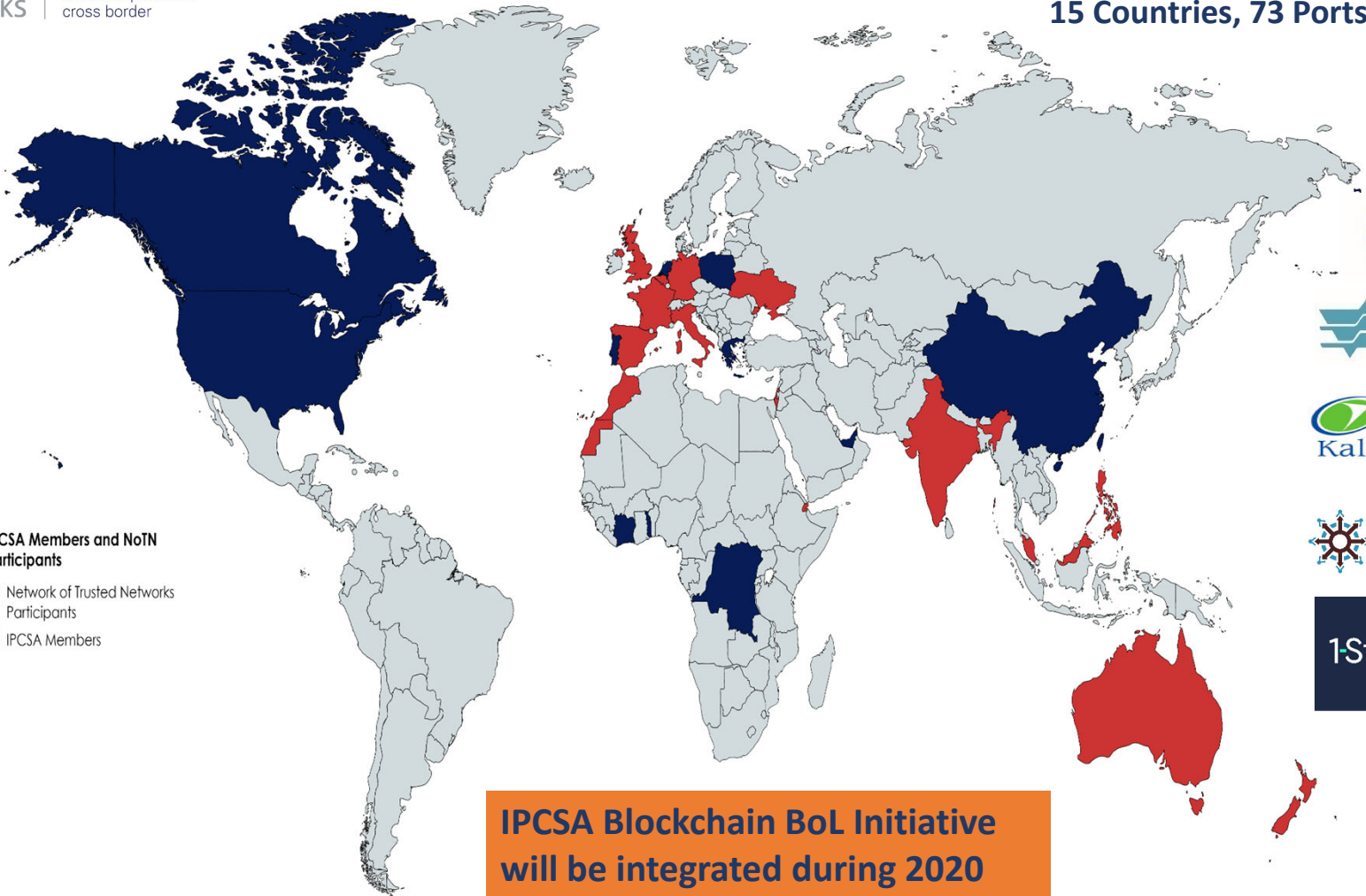
Port System Authority
of the Eastern Adriatic Sea
Port of Trieste



IPCSA Members and NoTN
Participants

■ Network of Trusted Networks
Participants

■ IPCSA Members



MCP plc
Port Community Systems



ISRAEL PORTS
Development & Assets Company Ltd.



Kale Logistics
Technology that Transforms




DPCS
DUBAI PORT COMMUNITY SYSTEMS



**IPCSA Blockchain BoL Initiative
will be integrated during 2020**



 **PROTECT**

 PROTECT Group develops and supports the electronic reporting required by authorities for vessels entering or leaving a port or port area. Maintains and develops EDI through the PROTECT Guide

 **IPCSA Community**
International Port
Community Systems
Association

 Building the Community of IPCSA members using the IPCSA Social Media Network for members

 **NETWORK**
OF TRUSTED NETWORKS | Connecting and sharing data globally between ports and cross border

 Trusted Global Exchange initiative for Port to Port and Cross Border Trade data through a Network of Port Community Systems and Single Windows

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