



Cross Border Management (CBM) Domain Discussions at 36th UN CEFACT Forum

Vice Chair

Mr Tahseen Khan

Domain Co-ordinators

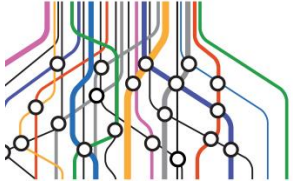
R. Ananth

Amar More

Date

6th of May, 2021

UN / CEFACT



Agenda

Room	Time (CET)	Subject
Webex Room 1	10:00-11:30	Update & discussion on CBM – RDM project by Zissis
Webex Room 1	11:30 – 12:30	Update & discussion on Cross Border Digital Corridors project by Amar More
	12:30 – 13:30	Break
Webex Room 1	13:30 – 14:30	Update & discussion on Blockchain based Mutual Recognition of AEOs by R Ananth
Webex Room 1	14:30 – 15:00	Q&A and way forward

CBM-RDM Project

(Updates & discussions)

By Zissis

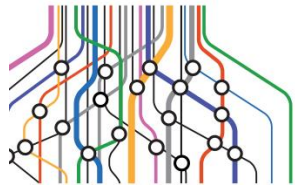
Cross Border Digital Corridor Project Proposal

Amar More
Tahseen Khan
Aananth R.
Frank Janssens
Sandra C. S.

Clinton Liu
Rudy Hemeleers
Charles Edwards
Stan Wraight

Cross Border Digital Corridor

Project Name	Strategy Link	SDG Target	Notes
<p>Regulatory and non-regulatory cross-border digital corridors in Trade Facilitation for movement of shipment data and shipment status information</p>	<p>A, C, F</p>	<p>8.3, 9.1</p>	<p>Develop Guidance Material for building Digital Corridors (G2G, B2G) for exchange of shipment data and shipment status information including export declarations, vessel/flight manifests.</p> <p>The project will focus on publishing BRS for creating digital corridors between two airports, ports, countries and build upon the existing work done on Data Pipeline Carrier exchange (ST/SGB/2012/2; ECE/TRADE/C/CEFACT/2010/15).</p>



Digital Corridor



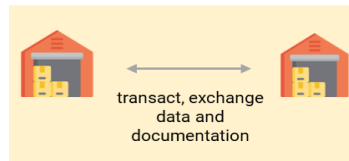
Digital Corridor

A Digital Corridor is an electronic platform that connects multiple entities to share the status of business activities and relevant information.

The digital corridor is established when a community platform at a location gets connected with the community platform at another location to exchange relevant data.

TYPES OF DIGITAL CORRIDOR

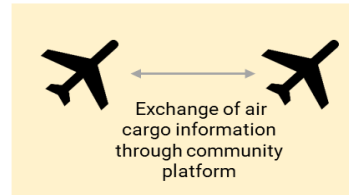
Enterprise to Enterprise



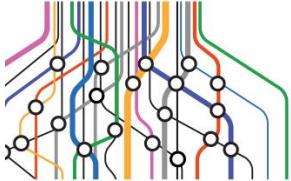
Port to Port



Airport to Airport



Regulatory Corridor



Next Steps

1. We propose to launch the project through the following action items:
 - Develop Guidance Material for building Digital Corridors (G2G, B2G) for exchange of shipment data and shipment status information including export declarations, vessel/flight manifests.
 - Publish BRS for creating digital corridors between two airports, ports, countries and build upon the existing work done on Data Pipeline Carrier
 - Use of IT initiatives like Blockchain in establishment of digital corridor.
2. CBM is seeking interests from experts with similar experience to lead this project or be part of this team.

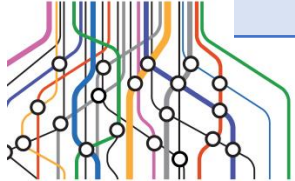
Blockchain based Mutual Recognition of Authorized Economic Operator's (AEO's) Project Proposal

By R Ananth



Reference Data model using Blockchain for exchange of Master Data – AEO Authorization

Project Name	Strategy Link	SDG Target	Notes
Reference implementation for Exchange of AEO Authorizations between two/more border authorities/countries based on block chain using the Reference Data Model framework published by WCO.	A, C, F	8.3, 9.1	<p>Explore the possibility of exchanging the List of AEOs between two countries or a group of countries. WCO has created a data model and framework for exchange of AEO information.</p> <p>A reference implementation based on block chain using the above framework is envisaged. This work will be complimentary to the work done by WCO.</p> <p>This implementation can serve as a template for developing common standards for exchange of master data between the countries.</p>



Mutual Recognition of AEO

- Two countries enter an agreement or arrangement to mutually recognize AEO authorizations
- AEOs are entitled to receive reciprocal benefits from partner country
- Most efficient information exchange is achieved through real-time electronic data sharing

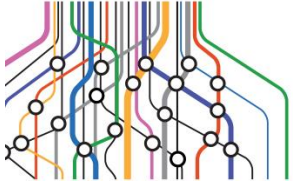


Existing Models

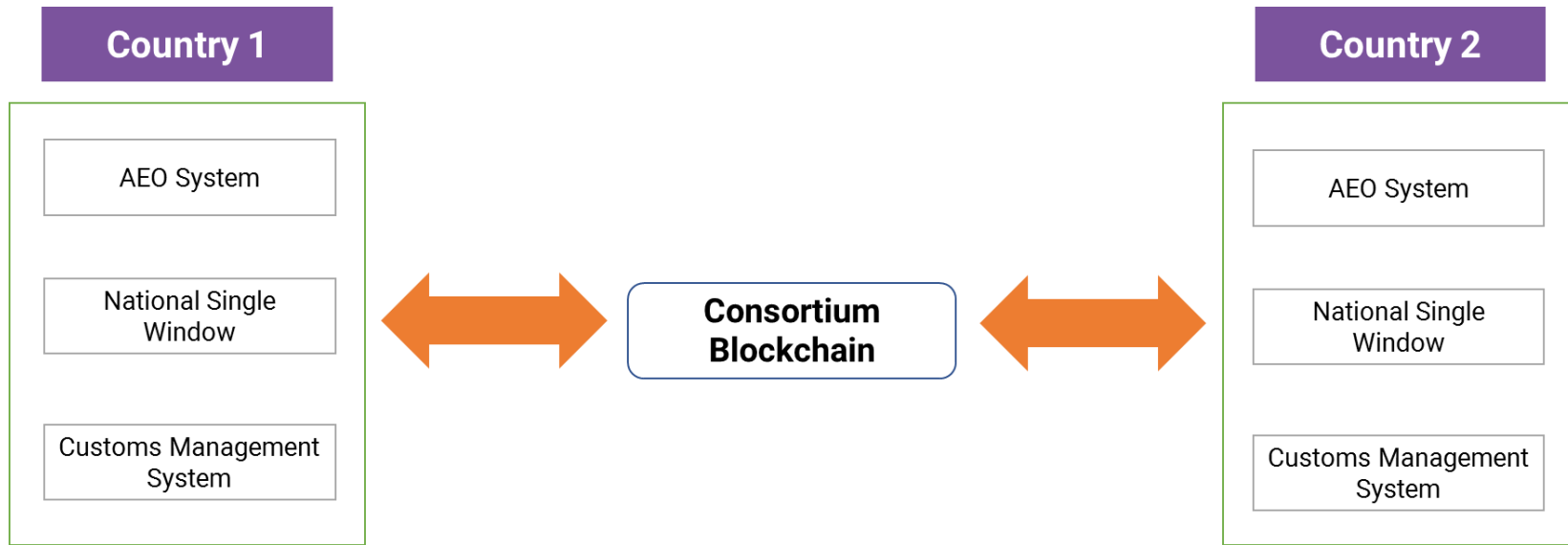
Identifier	Requirement	Remarks
Contact points	Persons who can solve technical, business and organisational issues	Shared over email or through letter
Security	Data Access restricted to authorised actors and for authorised purposes	Setting the rules of access
Country AEO status	Approval, Suspension, Revocation of AEO with category. Start date and End date of certification	Sharing the security and safety certificates
Trader	TIN(Trader Identification Number), Name, Address,	Organization Information
Trader updates	Change in the Trader Address	
Unilateral AEO	Partner countries to unilaterally grant or revoke AEO status	List of AEO mutually agreed

Exchange of AEO Information

- Mutually agreed AEO IT systems by respective countries
- Data exchange once every 24 hours
- No automatic data sharing system

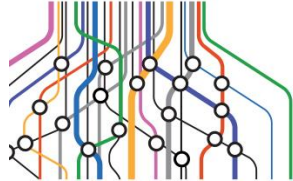


Proposed Data Exchange



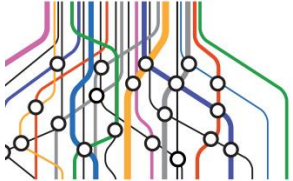
Permissioned Consortium Block-Chain

- Platform is management by both countries **Country 1 - Country 2**
- Storing AEO data at single location
- Restricted permissions with identified participants
- Integration with the digital systems of the country National Single Window or Customs Management System or AEO system
- Realtime Data visibility
- Acknowledgement of the data update



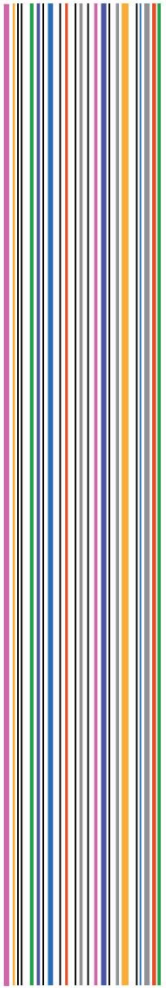
Next Steps

- ✓ A reference implementation based on block chain is envisaged.
- ✓ CBM is seeking interests from experts with similar experience to lead this project or be part of this team.

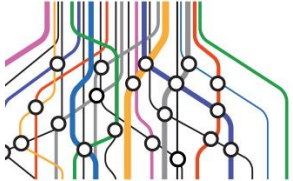


Q&A

Way forward



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Thank you