

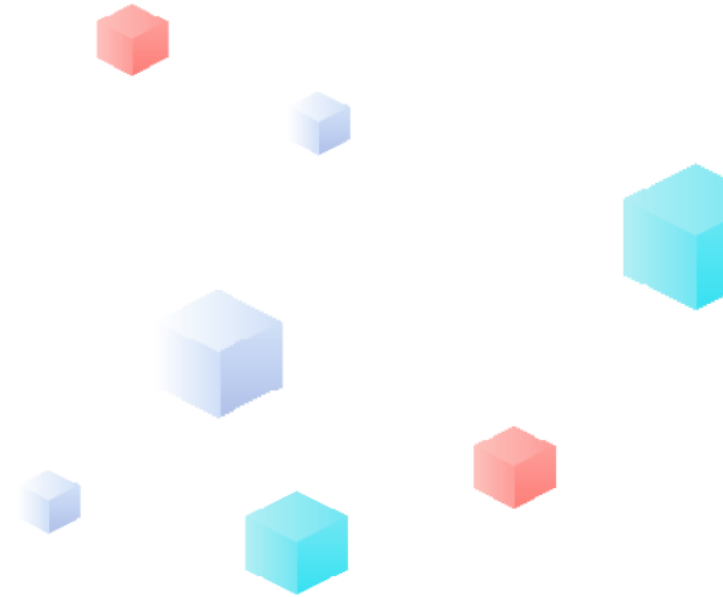
WAVE BL

The Digital Document Courier



The new world of shipping post-Covid

**IBM Maritime and Transport Law
Committee Mid-Year Conference
June 2022**



About WAVE BL

- WAVE BL is a blockchain-based digital courier platform that mirrors the traditional process for transferring original paper documents — electronically **using a decentralized ledger**.
- The Network Enables **digital trust** among trade partners.
- Digitally issue, transfer, sign, endorse and surrender **electronic trade documents** while cutting costs, increasing productivity, and eliminating any risk of fraud.



100,000+
Trade Transactions



550
Enterprise
Customers



31.7%
Carriers Market
Share



50+
Employees

From B/L to E/BL

1. Evolving from a paper-based process to a **fully digital process**
2. Slashing down **transfer time** from weeks to minutes
3. Lower risk of forgery using **automatic authentication**
4. No need for multiple copies of BL – **having one copy per e/bl**
5. **Eliminates need for partial solutions** such as telex releases and seaway bills

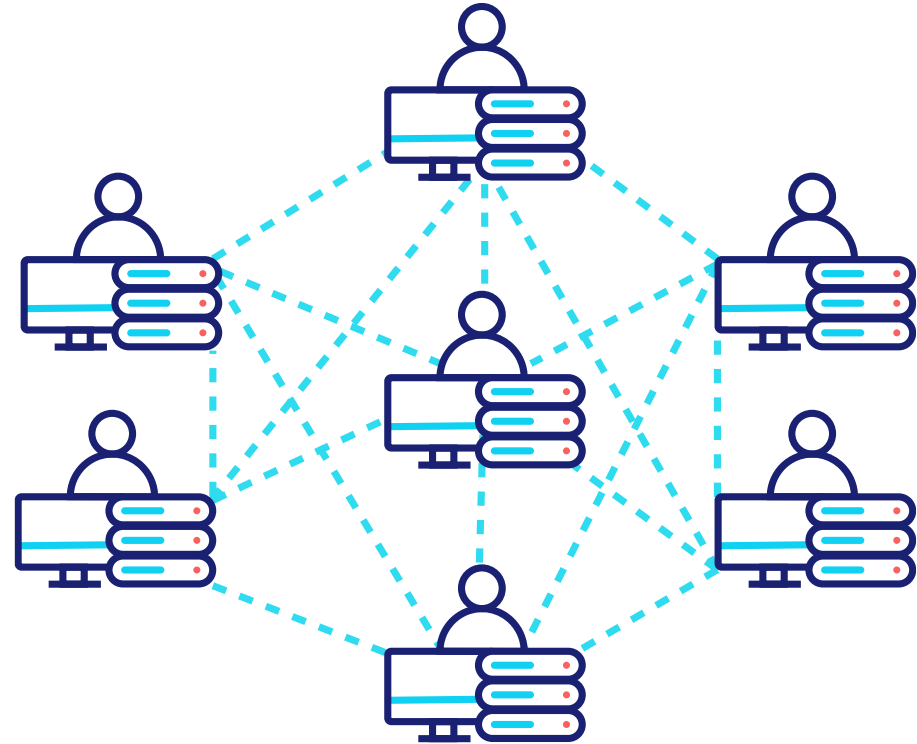
WAVE BL's Offering

- **One legal framework: full certainty for all network members:**
IGPANDI approved WAVE BL bylaws based on the English COGSA 1992
- **Contract of carriage:**
Remains under the prerogative of the carrier to use their own format
- **Enables transfer of all supplementary documents:**
Allowing the entire cycle to become digital
- **No lost documents or delays:**
All data stored in one place



The power of decentralized ledger

- **Safer** - No single point of failure
- Best way to **facilitate cross industry communications**
- Most suitable to **cater for international cross Broder transaction.**



Our Carrier Partners



Hapag-Lloyd

ONE

WAVE BL's Platform

Possessing an e/bl

The screenshot displays the WAVE BL web application interface. At the top, the logo 'WAVE BL' is on the left, followed by the text 'Your Organizational eBL Transfers (renews in 264 days): 105 / 100000 Usage / Credits'. On the right, there is a 'Knowledge Base' button and user information: 'WAVE - Ofer / ABC Export company LTD - Shipper ofer.einbar@wavebl.com'.

A left-hand navigation menu includes 'Create Envelope', 'Inbox', 'Created', 'Outbox', 'Sent', 'Archived', 'Labels', 'Address Book', and 'Starred'. The 'Inbox' is currently selected.

The main content area features a search bar with 'All categories' and 'Search All categories'. Below it are filters for 'Under my possession' and status options: 'All' (selected), 'Surrender', 'Amendment', and 'Endorsement'. A 'Refresh' icon and a '1-8 of 8 envelopes' indicator are also present.


A table lists the envelopes with columns for 'From', 'Subject', 'Labels', 'Business Status', and 'Date':

From	Subject	Labels	Business Status	Date
<input type="checkbox"/> ZIM Integrated Shipping Services LTD	eBL 524		Received	11:36
<input type="checkbox"/> MSC MEDITERRANEAN SHIPPING COMPA...	eBL 200		Received	Thu, May 12 2022 16:01
eBL 200				
B eBL MSC.pdf				Archive
Possessor				
Shipper				
eBL (Negotiable)				
Notes (No notes were supplied)				
<input type="checkbox"/> MSC MEDITERRANEAN SHIPPING COMPA...	eBL 202		Received	May 12
<input type="checkbox"/> MSC MEDITERRANEAN SHIPPING COMPA...	eBL 201		In Progress	May 12
<input type="checkbox"/> ONE	eBL 100 to order of bank		Received	Feb 20

Changes required to the b/l front page

5ae21ce3-db51-47ff-8202-4f29eace45ef | 1 / 1 | 125% | [Icons]

See website for large version of the reverse | Ver página Web para términos y condiciones | Смотрите веб-сайт для ознакомления с условиями и положениями | 提单条款和条件请见网站 | www.mscgva.ch

 MEDITERRANEAN SHIPPING COMPANY S.A. 12-14, chemin Rieu, 1208 GENEVA, Switzerland Website : www.mscgva.ch		BILL OF LADING No. MEDU999999999 Original electronically issued, not valid on paper <small>"Port-to-Port" or "Combined Transport" (see Clause 1)</small>	
SHIPPER:		NO. & SEQUENCE OF ORIGINAL B/L's	NO. OF RIDER PAGES
CONSIGNEE: This B/L is not negotiable unless marked "To Order" or "To Order of..." here.		CARRIER'S AGENTS ENDORSEMENTS: (Include Agent(s) at POD) Digital Document contains 2 pages (Mainpage-1, Riderpage-0, Terms & Conditions-1)	
NOTIFY PARTIES: (No responsibility shall attach to the Carrier or to his Agent for failure to notify - see Clause 20)			
VESSEL & VOYAGE NO. (see Clauses 8 & 9)	PORT OF LOADING	PLACE OF RECEIPT: (Combined Transport ONLY - see Clauses 1 & 5.2)	
BOOKING REF. (or) SHIPPER'S REF.	PORT OF DISCHARGE	PLACE OF DELIVERY: (Combined Transport ONLY - see Clauses 1 & 5.2)	
PARTICULARS FURNISHED BY THE SHIPPER - NOT CHECKED BY CARRIER - CARRIER NOT RESPONSIBLE (see Clause 14)			
Container Numbers, Seal Numbers and Marks	Description of Packages and Goods (Continued on attached Bill of Lading Rider page(s), if applicable)	Gross Cargo Weight	Measurement

The signature page

The screenshot displays the WAVE BL web application interface. A modal window titled "Signatures" is open, showing details for a document named "B eBL MSC.pdf". The document is of type "eBL (Negotiable)" and is issued by "ABC Export company LTD - Shipper (You)" to "To Order of HSBC". The title holder is also "ABC Export company LTD - Shipper (You)".


Below the document details is a table with the following data:

#	Action	Signed By	Date	Verified
1.	Issue	MSC MEDITERRANEAN SHIPPING COMPANY S.A.	May 12, 2022	✓

At the bottom of the modal, there is a note: "When performing the above actions, the relevant User has in each case confirmed that it was aware of the contents of the Bill of Lading to which it relates." A "Close" button is located at the bottom right of the modal.


The background interface shows a sidebar with navigation options like "Inbox", "Created", "Outbox", "Sent", "Archived", "Labels", "Address Book", and "Starred". The main area displays a list of envelopes, with the selected one being "B eBL MSC.pdf". The top right corner shows the user's profile and email address: "WAVE - Ofer / ABC Export company LTD - Shipper ofer.einbar@wavebl.com".

An E-envelope



Your Organizational eBL Transfers (renews in 264 days): **106 / 100000**
Usage / Credits

[Knowledge Base](#)

WAVE - Ofer / ABC Export company LTD - Shipper
ofer.einbar@wavebl.com 

Create Envelope

Inbox

Created

Outbox


Sent

Archived


Labels


Address Book








Starred


All categories 

Under my possession All Surrender Amendment Endorsement



1-10 of 34 envelopes 

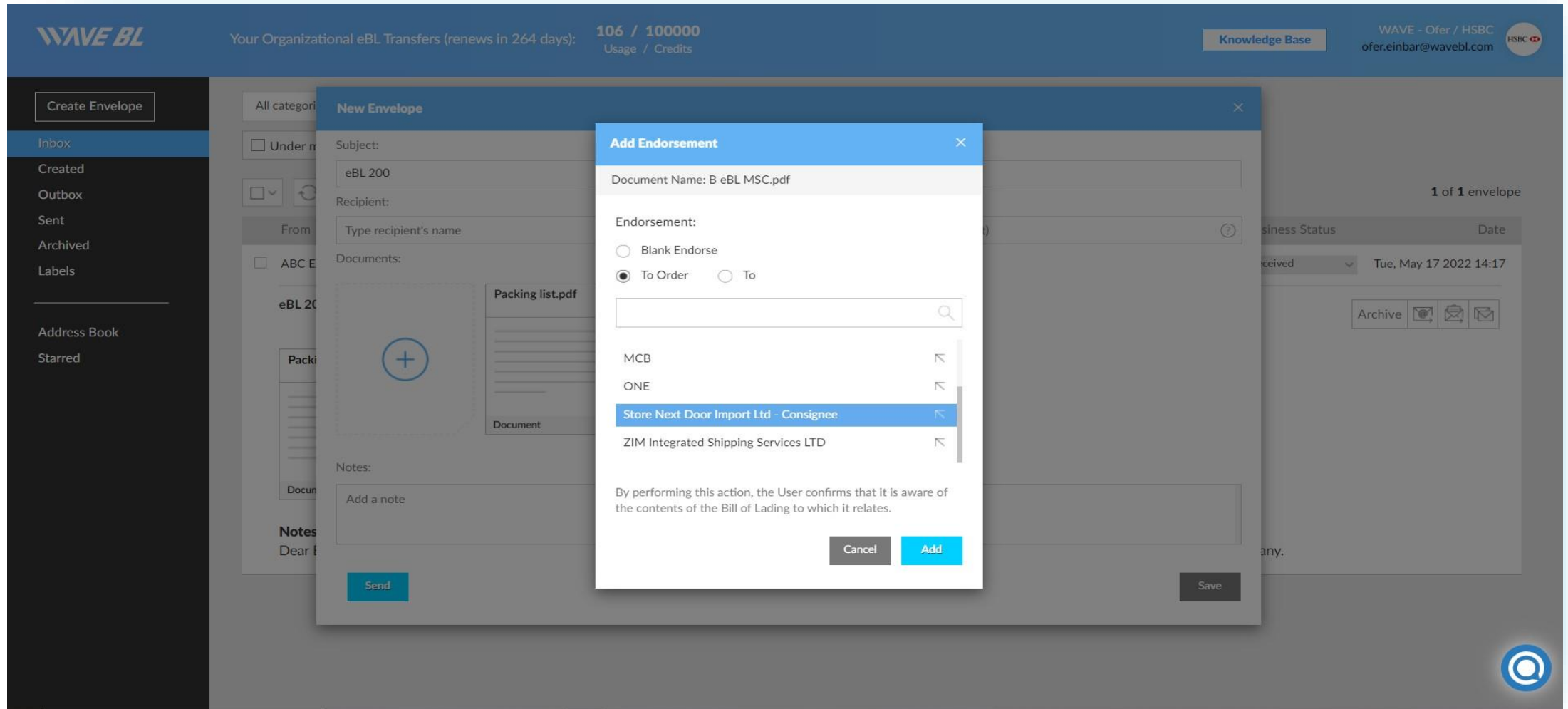
To	Subject	Labels	Date
<input type="checkbox"/> HSBC	eBL 200		Tue, May 17 2022
eBL 200			14:17    
			
Notes Dear Bank, please see attached our e-presentation under Letter of Credit 789, which we confirm is a completed presentation. Kind regards, ABC Export company.			
<input type="checkbox"/> HSBC	eBL 207 to order of bank		May 16
<input type="checkbox"/> HSBC	eBL 205 to order of bank		May 16
<input type="checkbox"/> HSBC	eBL 140 to order of consignee		May 11



Applying a signature

The screenshot displays the 'New Envelope' modal window in the WAVE BL system. The interface includes a top navigation bar with the WAVE BL logo, organizational eBL transfer statistics (106 / 100000 Usage / Credits), and user information (WAVE - Ofer / HSBC, ofer.einbar@wavebl.com). A left sidebar contains navigation options like 'Create Envelope', 'Inbox', 'Created', 'Outbox', 'Sent', 'Archived', 'Labels', 'Address Book', and 'Starred'. The main area of the modal is divided into several sections: 'Subject' (eBL 200), 'Recipient' (Store Next Door Import Ltd - Consignee), 'Labels' (Type a label's name), and 'Documents'. Three documents are visible: 'Packing list.pdf', 'Invoice.pdf', and 'B eBL MSC.pdf'. The 'B eBL MSC.pdf' document has a context menu open, showing options such as 'Document Info', 'Change Document Name', 'Send as Copy', 'Title Signature' (with a sub-menu for 'Endorse', 'Authorize Surrender', and 'Other'), 'Sign', 'Add Signed Copy', and 'Remove'. A 'Notes' section with a text area and a 'Send' button are also present. The background shows a blurred view of an envelope with a '1 of 1 envelope' indicator and a date of 'Tue, May 17 2022 14:17'.

The network effect achieved by trusted parties



Endorsement chain

The screenshot displays the WAVE BL web application interface. At the top, the logo 'WAVE BL' is visible on the left, and the user's organizational eBL Transfer progress is shown as '107 / 100000'. The main header area includes the text 'Your Organizational eBL Transfer (progress is 264 days)' and 'WAVE - Ofer / Store Next Door Import Ltd - Consignee' with the email 'ofer.einbar@wavebl.com'.

A 'Signatures' modal window is open in the center, displaying the following details:

- Document Name: B eBL MSC.pdf
- Document Type: eBL (Negotiable)
- Shipper: ABC Export company LTD - Shipper
- Consignee: To Order of HSBC
- Title Holder: Store Next Door Import Ltd - Consignee (You)

Below the details is a table showing the endorsement chain:

#	Action	Signed By	Date	Verified
1.	Issue	MSC MEDITERRANEAN SHIPPING COMPANY S.A.	May 12, 2022	✓
2.	Endorse	HSBC <u>To Order of</u> Store Next Door Import Ltd - Consigne... →	May 17, 2022	✓

At the bottom of the modal, a disclaimer states: 'When performing the above actions, the relevant User has in each case confirmed that it was aware of the contents of the Bill of Lading to which it relates.' A 'Close' button is located at the bottom right of the modal.

The background interface shows a sidebar with navigation options like 'Create Envelope', 'Inbox', 'Created', 'Outbox', 'Sent', 'Archived', 'Labels', 'Address Book', and 'Starred'. The main content area displays '1 of 1 envelope' with a 'Business Status' of 'Received' and a date of 'Tue, May 17 2022 14:30'. There are also icons for 'Archive', 'Print', 'Email', and 'Share'.

The Future of the E/BL Market

- 1. Increased Funding:** quicker processes and automatically authenticated documents will enable millions of eBLs to enter the capital market as new electronic collaterals.
- 2. Shift to Structured & Standardized eBL:** Digitization will expedite the shift to a structured standardized eBL.
- 3. Integration with government platforms:** for example, single window platforms allow customs authorities to enjoy the full benefits of eBLs.



Thank You!



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WAVE BL