

TO ALL OWNERS AND MEMBERS

03 January 2020

Dear Sirs

Electronic (Paperless) Trading

Electronic Shipping Solutions, Bolero International Ltd, E-Title Authority Pte Ltd, Global Share SA (edoxOnline platform) and WAVE (The WAVE Network)

This circular informs owners and members of the approval by the International Group of P&I clubs (the Group) of WAVE. Owners/members may recall, as reported in the [circular of 13 June 2019](#), that until February 2010 the rules of all of the Group clubs specifically excluded liabilities in respect of the carriage of cargo under all electronic, ie paperless, trading systems to the extent that the liabilities under such systems would not have arisen under a 'normal' paper system, ie one using transferable paper documentation.

From 20 February 2010, liabilities arising in respect of the carriage of cargo under such paperless trading systems were covered, provided that the system had first been approved by the Group. Since then the Group has approved electronic systems administered by Electronic Shipping Solutions, by Bolero International Ltd (more specifically the Rulebook/Operating procedures September 1999), e-title™ solution, Global Share SA (edoxOnline) and now WAVE has been added to the list of IG approved systems.

WAVE describes itself as a distributed ledger network which uses blockchain technology to enable carriers, shippers, consignees, endorsees, banks, freight forwarders and other parties to issue, exchange and sign, a variety of supply chain encrypted documents with no need for a central server or registry. The system is supported by a legal framework that facilitates the transfer and endorsement of electronic bills of lading. While the system removes the need for a paper bill there is scope to revert to paper where it is necessary to do so. WAVE is the second system approved by the Group to use Blockchain technology. Further details can be found on the company's website www.wavebl.com

The legal documentation and terms of use associated with the use and operation of WAVE is held in the WAVE Application and Network Bylaws, version 1 dated 20 December 2019. This has been reviewed and approved by the Group.

Other exclusions of cover under Group club rules relating to the carriage of cargo will of course continue to apply in respect of ESS, Bolero, e-title™, edoxOnline and WAVE in the same way as for paper systems. These exclusions include discharge at a port or place other than the port or place provided for in the contract of carriage, the issue / creation of an ante or post-dated electronic document / record, and the delivery of cargo without the production of the negotiable (electronic)



document / record, which in the case of an approved electronic trading system will mean delivery of cargo other than in accordance with the rules of that trading system.

It would be helpful to the Group, in monitoring the use and development of these five systems, if owners and members who are using them would advise the club of any benefits or difficulties which they encounter, legal or practical, in the operation of the system or systems.

All clubs in the International Group are issuing a similarly worded circular.

Yours faithfully

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