

TOP TEN

Ionut Ciprian Dobre

Bucharest University of Economic Studies

Category: Crossmodality

Country: Romania

Research Area 1: Smart Solutions and Society

Idea Number: 69

GSTS: Global Shipping Tracking System, solution for real time supply chain traceability

This research proposes a model for global equipment traceability, by presenting a single integrated global system, named Global Shipping Tracking System (GSTS). This will be done by using emerging technologies such as big data and blockchain, to provide access for all the supply chain parties to information, using a single contact point, which based on a reference number assigned to each piece of equipment, as a registration ID in the system, to be able to generate useful track and trace information, status of the equipment, and important events recorded and noted in the system during the entire circuit of the equipment (such as POD's, discrepancy information at loading and unloading, damages, missing documents info and more). Such a system could serve as the basis for future systems for the digitalisation of logistics operations, in the direction of standardising the systems used globally. This feature can facilitate a faster and easier interconnection with other systems used individually by companies, as the automatization of logistics activities are currently limited by the lack of internationally accepted and/ or imposed standards, in order to allow the use on a larger scale of intelligent automatization scanning, labelling, information consolidation and analysis systems, to serve along the way for the development of the supply chain artificial intelligence.

