



**INTERNATIONAL CIVIL AVIATION ORGANIZATION
South America Office**

NEMOTECHNIC FORM

Webinar on Air Cargo Digitalization Processes	
Global strategy for air cargo digitalization	<ul style="list-style-type: none"> ➤ Reduce dependency on paper in transactions and go paperless ➤ Promote use of wireless technologies (sensors & data loggers), blockchain, internet of things, big data, and so on ➤ Establish a digital ecosystem for the air cargo fraternity. Virtualization and Collaborative information exchange will be the key driver of the proposed digital ecosystem. Data virtualization allows companies to treat data as a dynamic supply—providing processing capabilities that can bring together data from multiple sources, easily accommodate new data sources, and transform data according to user needs ➤ Real time tracking of shipments with key milestones along with timestamp details. End-to-end updates of cargo journey to the stakeholders ➤ Contactless transactions and remote approvals. Document are submitted and payments are made online. Transactions will be approved electronically as opposed to one on one verification and approval by the staff at cargo complex in the presence of freight forwarder or their representatives ➤ Entry to the cargo complex based on approved booking in advance ➤ Limit the objective of visiting the cargo complex to delivery export shipments or collection of import shipments
Objective of the Webinar on Air Cargo Digitalization Processes	<ul style="list-style-type: none"> ➤ Acknowledge the importance of digitalization in the cargo management process especially in COVID 19 times ➤ Identify the top three challenges in SAM region ➤ Understand the impact that cargo digitalization can create by addressing the key challenges
Activities carried out on air cargo Digitalization	<ul style="list-style-type: none"> ➤ Collaborative exchange of information ➤ Online document submission ➤ Electronic verification and remote approval of documents ➤ Instant payments through digital wallets or payment gateways ➤ Auto-authorization, through scanning Barcodes/ QR codes, for entry or exit into the cargo complex ➤ Real-time cargo traceability ➤ Electronically submit declaration ➤ Digitally obtain permits and certificates for export and import

<p>Current situation of air cargo digitalization globally</p>	<ul style="list-style-type: none"> ➤ As per IATA’s eAWB international monthly report (of June 2020), eAWB penetration is 68.9% ➤ SAM region lags the global average in eAWB penetration ➤ Digitalization of cargo has gained greater importance during the COVID pandemic. It will be the key enabler in establishing the new normal by <ul style="list-style-type: none"> ○ eliminating the exchange of documents ○ reducing vehicle congestion at the cargo complexes ○ seamless exchange of information amongst the stakeholders ○ allowing remote document clearance ○ ensuring social distancing
<p>Nature of the event</p>	<ul style="list-style-type: none"> ➤ Online event with invite only participation
<p>Competencies that will raise the event</p>	<ul style="list-style-type: none"> ➤ Participation from experts in cutting edge technologies such as – AI and ML, Biometrics, Internet of Things, Cloud and Digital ➤ Line up of speakers from air cargo industry ➤ Participation from stakeholders from SAM region ➤ Participation from stakeholder from regions that are early adopters of digitalization in cargo
<p>Participant profile</p>	<ul style="list-style-type: none"> ➤ Member of associations such as IATA, TIACA, ICAO and so on ➤ Technology experts having experience digitalization and virtualization of processes ➤ Air cargo industry experts to validate how adoption of digitalization can support growth ➤ Representatives from stakeholder community – Exporters/ Importers, Freight Forwarders, Customs Brokers, Airlines, Terminal Operators, Transporters
<p>Next steps in developing the strategy</p>	<ul style="list-style-type: none"> ➤ Involve the stakeholders of cargo community from SAM region through engagement and discussions ➤ Consult and Educate the stakeholders to understand the impact that digitalization can create ➤ Process study of airports that are early adopters of digitalization ➤ Derive standard guidelines for digitalization of cargo supply chain ➤ Form a council of stakeholders to decide on the most relevant sub-set of cargo supply chain for digitalization ➤ Kick-start with problem statement definition and listing down the Key Performance Indicators