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BiTA: A Community & Standards Organization

BiTA

- Core focus is on community aspects such as networking, education, marketing and commercialization
- Will serve as the voice of BiTA to external organizations and stakeholders

BiTA Standards Council

- Forum specific to developing industry standards & best practices
- Initial focus will be on data formats, interoperability of blockchain platforms and financial compliance.
- A separate 501(c)(6) non-profit industry association governed by a standards board

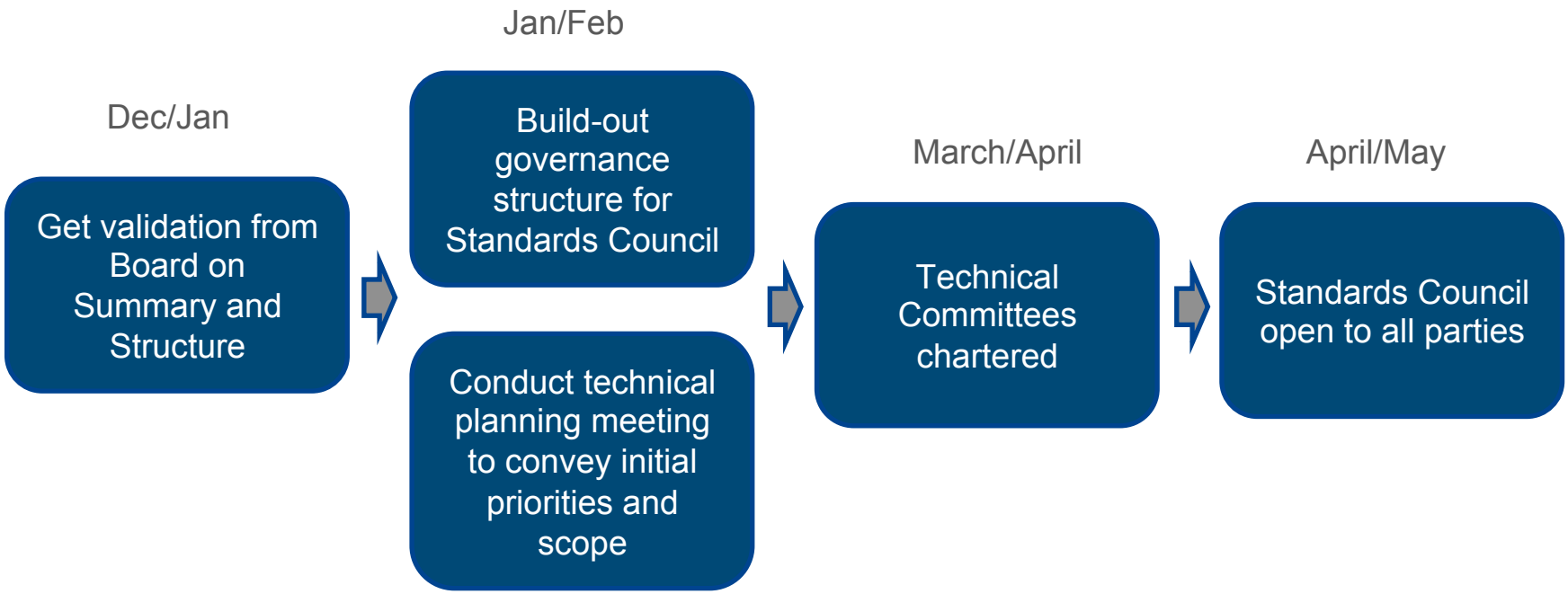
BiTAS Board of Directors

- Ken Craig - MCLeod Software
- Dale Chrystie - FedEx
- Mahesh Saharanaman - UPS
- Mauricio Paredes - P&S Transportation
- Steve Hausman - Triumph Business Capital
- Dan Heinen - Kleinschmidt
- Tim Leonard - TMW a Trimble Company
- Amihai Zeltzer - Salesforce
- Craig Fuller - FreightWaves
- Scott Friesen - Echo Global Logistics
- Gil Perez - SAP
- Craig Harper - JB Hunt
- Lori Heino-Royer - Daimler
- Brad Taylor - Omnitracs
- Mike Dieter - Transplace
- Bart Boudreaux - BNSF
- Chris Burruss - BiTA (Ex-Officio)

Membership Trends

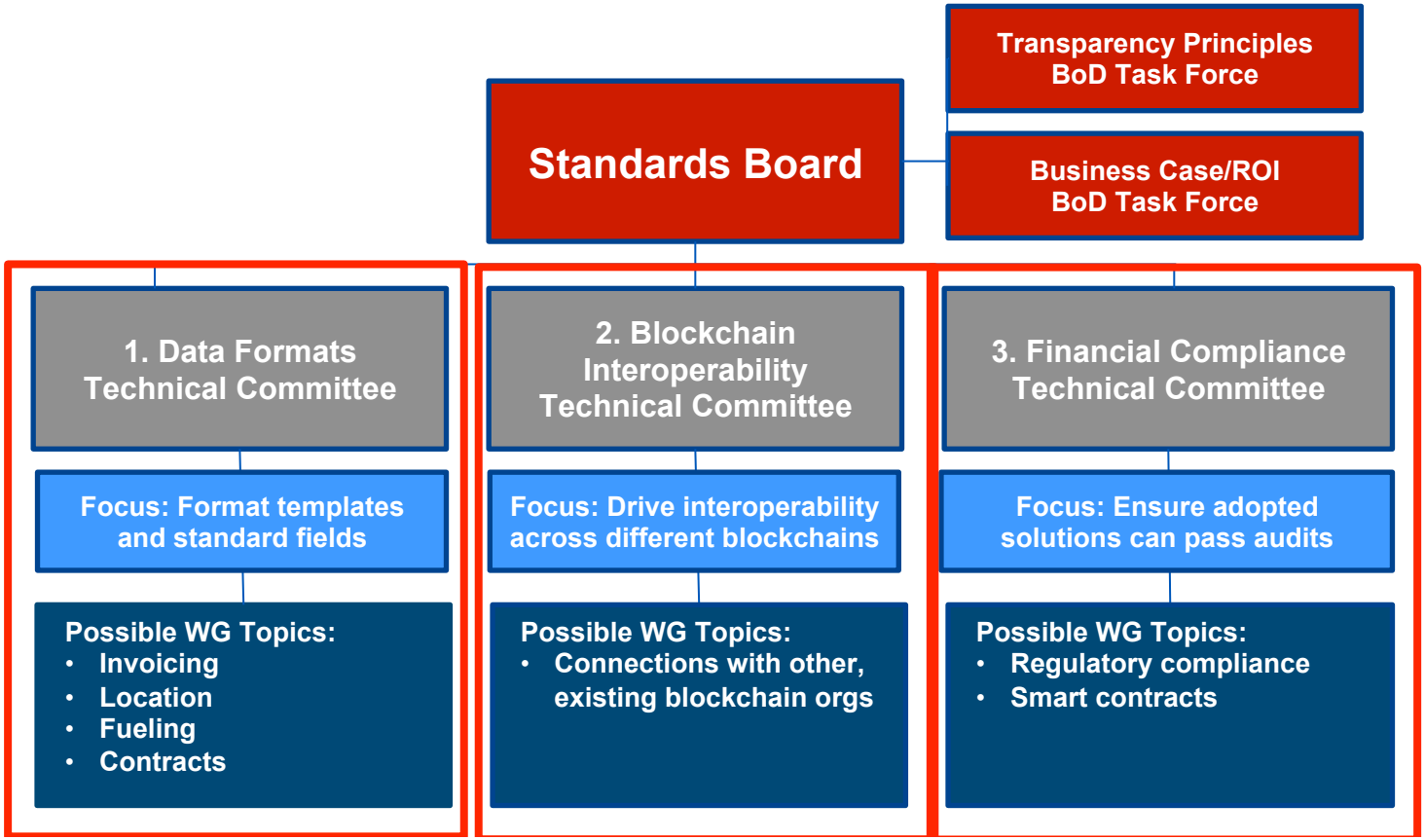
- 1900 Membership Applications
- 420 Paid Member Companies
- Membership/Collaboration Interest:
  - Industry Participants
  - Technology Sector
  - International Blockchain Organizations
  - Academia (Georgia Tech, Georgetown University, Northwestern, University of Central Arkansas, etc)
  - Federal Government (DoD, FEMA, FMCSA, Congress)
  - Trade Associations (ATA, TCA, Chamber of Digital Commerce, State Trucking Associations, etc.)

BiTA Work Program



First meetings of the technical committees & working groups will be held on May 21st in Atlanta

Initial Work Streams



Adoption & Implementation Forecast

2018-2020 - Education, Case Studies, and Early Adoption

- Industry-wide education on use cases outside of crypto-currency
- Develop industry-wide standards and apply to case studies
- Early adoption within innovative startups and pilot programs at large corporations with extensive resources (ex: IBM, Daimler)
- Regulatory authorities develop auditing and compliance practices

2021-2025 - Growth

- Early adopters and standards activity provide greater clarity and minimize uncertainty, driving widespread adoption

2026 and beyond - Maturity

- Blockchain is widely adopted and considered an integral part of the supply chain ecosystem

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Blockchain Use Cases

VEHICLE MAINTENANCE
Historical Repair Record

FOOD SAFETY
Record of truck / trailer compliance and transit temperature

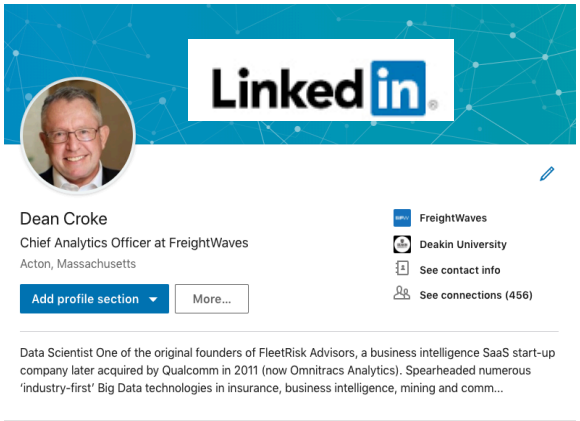
RECORDING RFPs AND TRANSACTIONS
Immutable record of agreed economics

PAYMENT AND SETTLEMENT SOLUTIONS
Quicker, cheaper payments

SUPPLY CHAIN LOGISTICS
Electronic ledgers negate the need for paperwork i.e. proof of delivery

UNIVERSAL DRIVER PASSPORT
LinkedIn for Truck Drivers
Links health, compliance, qualification & work history data

Universal Driver Passport



Equivalent to LinkedIn for Truck Drivers

- Pre-Hire Information
- Driving History
- Health Records
- Work History
- Accident History
- Qualifications

LEARNING MACHINE

Developed "Blockcerts"

- Provides for digital verification of education and experience.

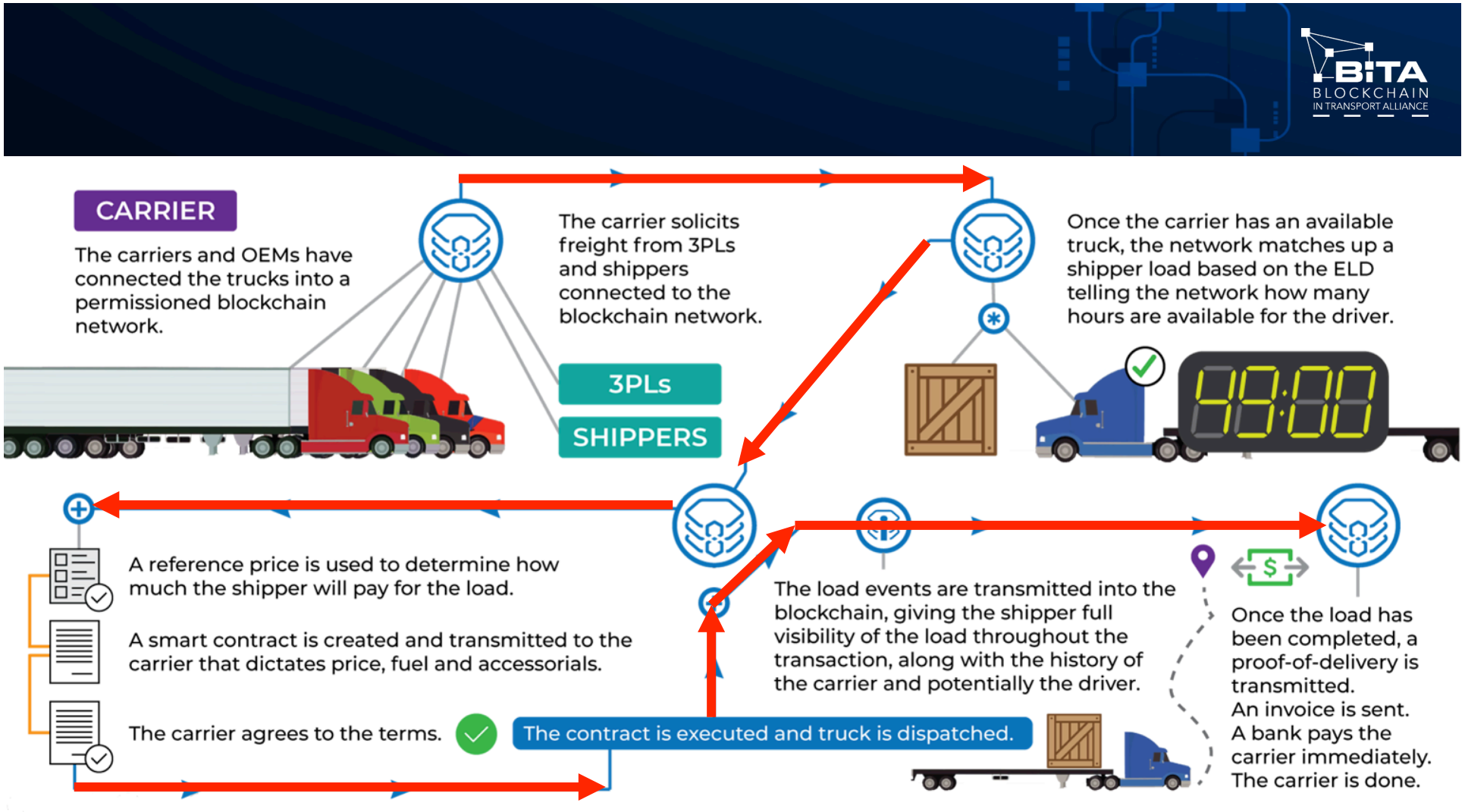
Beef Cattle Supply Chain Management

International Cargo Logistics

- Shipping roses from Kenya to Holland

IBM / Maersk International Shipping Project

  - 30 people and organizations were involved in processing the container on its 34-day journey
  - 200 different communications and interactions between supply chain participants
  - 80 well-defined bottlenecks in the supply chain including lost paperwork causing a 10-day port delay
  - The solution was to create an electronic shipping platform by digitizing all documents using blockchain technology with the aim of increasing transparency and security among all trading partners, reducing fraud and errors, and most importantly, decreasing time product is spent in transit.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CARRIER
The carriers and OEMs have connected the trucks into a permissioned blockchain network.
The carrier solicits freight from 3PLs and shippers connected to the blockchain network.
3PLs
SHIPPERS
Once the carrier has an available truck, the network matches up a shipper load based on the ELD telling the network how many hours are available for the driver.
A reference price is used to determine how much the shipper will pay for the load.
A smart contract is created and transmitted to the carrier that dictates price, fuel and accessorials.
The carrier agrees to the terms.
The contract is executed and truck is dispatched.
The load events are transmitted into the blockchain, giving the shipper full visibility of the load throughout the transaction, along with the history of the carrier and potentially the driver.
Once the load has been completed, a proof-of-delivery is transmitted.
An invoice is sent.
A bank pays the carrier immediately.
The carrier is done.

Thank you!

BiTA Spring Symposium

May 21, 2018 I Atlanta, GA

bita.studio/events

Transparency18

May 22-23, 2018 I Atlanta, GA

Transparency18.com