Blockchain and eBusiness

The Open-edi
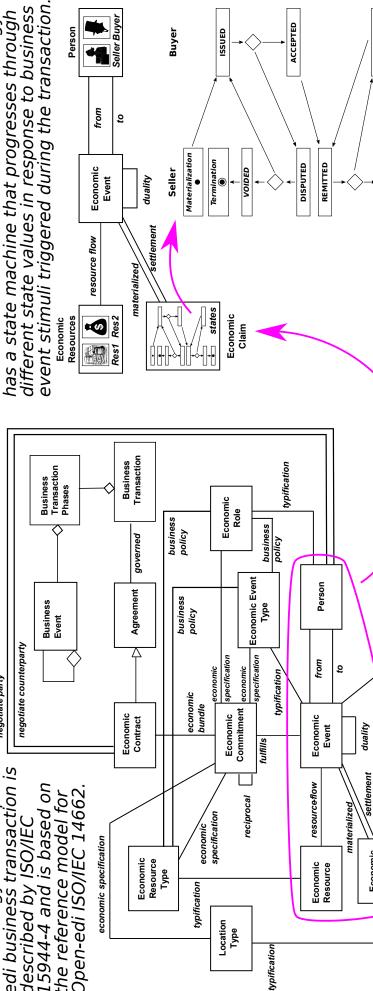## Distributed Business Transaction Repository
ISO/IEC 15944-21 OeDBTR

Edited by Bill McCarthy (MSU) and G. Ken Holman

The ontology for an Open-edi business transaction is described by ISO/IEC 15944-4 and is based on the reference model for Open-edi ISO/IEC 14662.

Each of the business entities of the ontology has a state machine that progresses through different state values in response to business event stimuli triggered during the transaction.

Person

Seller Buyer

Economic Event — from / to

Economic Resources — Res1 Res2

resource flow

duality

materialized

Settlement

states

Economic Claim

Buyer

ISSUED → ACCEPTED

UNDERPAID

Seller

Materialization — Termination — VOIDED

DISPUTED — REMITTED — PAID

Settlement

negotiate party
negotiate counterparty

Business Transaction Phases

Business Transaction

Business Event

Agreement — governed

Economic Role

business policy

Economic Contract

Economic Commitment

Economic Event Type

economic bundle
economic specification

typification

fulfills / reciprocal

Person — from / to

Economic Event — duality

Economic Resource Type

Economic Resource — resource-flow

Economic Claim — materialized / settlement

Location Type — typification

Business Location — site

economic specification