

Blockchain in Insurance

An Overview and an Update on an Industrywide Initiative

July 2019

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Outline for Today's Discussion

Part 1

Technological Advancement:
The Building Blocks to the
Blockchain

Part 2

Bitcoin – the First Blockchain

Part 3

What Exactly is a Blockchain?
What does it do?

Part 4

Blockchain in Business

Part 5

Blockchain in Insurance

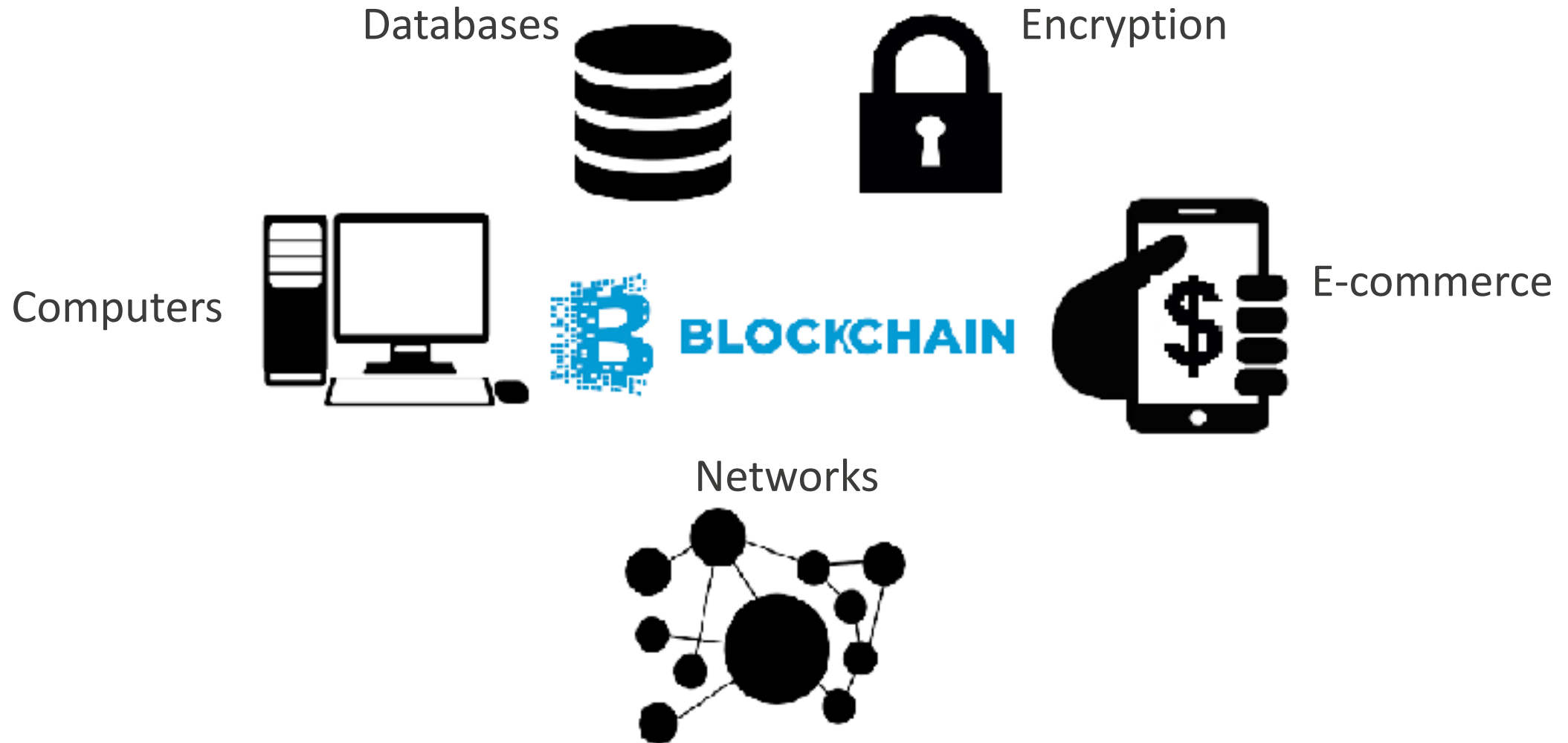
Part 6

Consortia Example

Part 1

The Building Blocks to the Blockchain

Blockchain Stems From Advances in Technology



Part 2

Birth of the Blockchain

Bitcoin: The Very First Blockchain



Originator:
Satoshi Nakamoto (pseudonym)

Bitcoin: A Peer-to-Peer Electronic Cash System

Satoshi Nakamoto
satoshin@gmx.com
www.bitcoin.org

Abstract. A purely peer-to-peer version of electronic cash would allow online payments to be sent directly from one party to another without going through a financial institution. Digital signatures provide part of the solution, but the main benefits are lost if a trusted third party is still required to prevent double-spending. We propose a solution to the double-spending problem using a peer-to-peer network. The network timestamps transactions by hashing them into an ongoing chain of hash-based proof-of-work, forming a record that cannot be changed without redoing the proof-of-work. The longest chain not only serves as proof of the sequence of events witnessed, but proof that it came from the largest pool of CPU power. As long as a majority of CPU power is controlled by nodes that are not cooperating to attack the network, they'll generate the longest chain and outpace attackers. The network itself requires minimal structure. Messages are broadcast on a best effort basis, and nodes can leave and rejoin the network at will, accepting the longest proof-of-work chain as proof of what happened while they were gone.

Watching True Transactions Come in

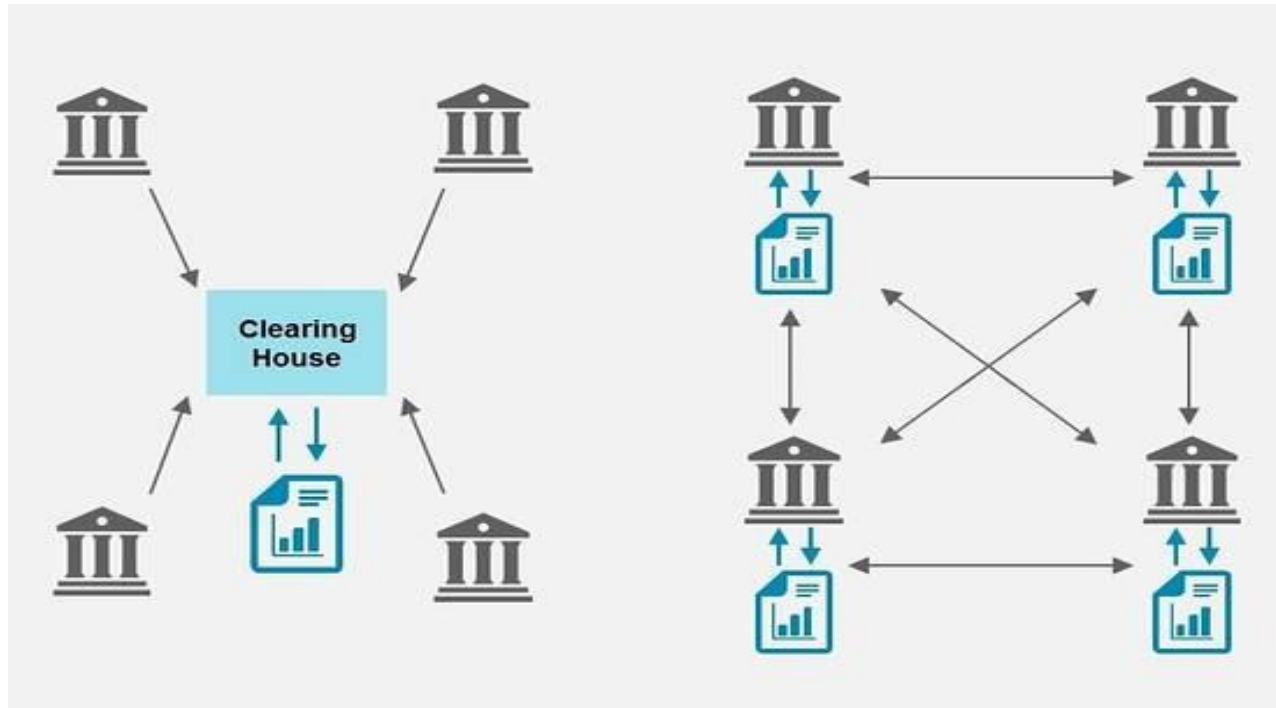
<https://blockexplorer.com/>

Part 3

What Exactly is Blockchain? What Does it Do?

Blockchain Fuses Database with Network and Establishes Trust

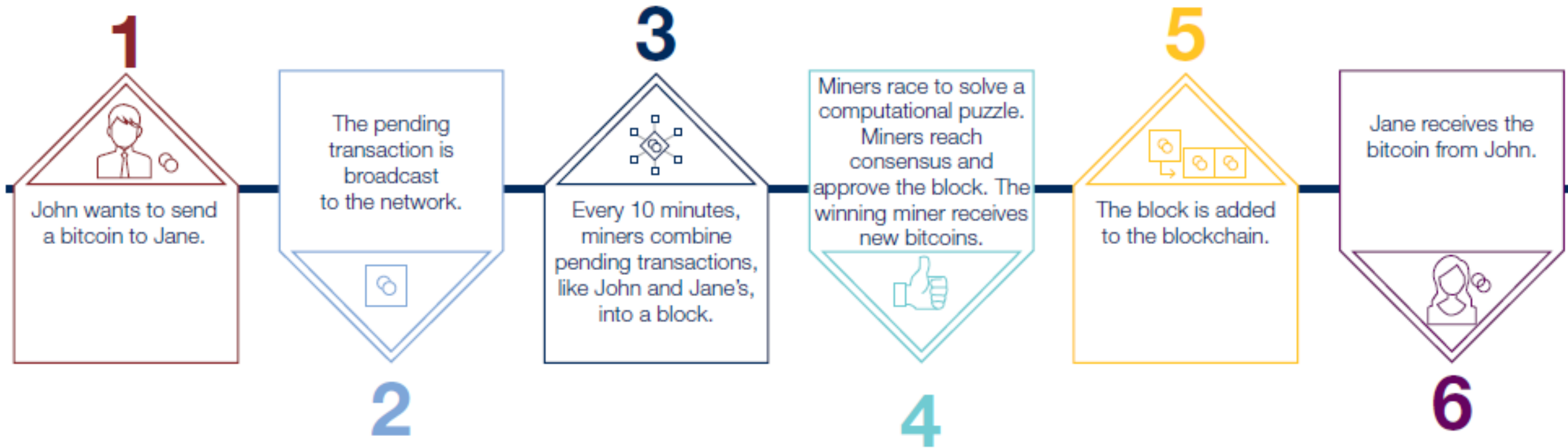
Blockchain is a distributed database and shared ledger that maintains a continuously growing list of chronologically added records called blocks. In most blockchains new blocks and the data within (transactions, smart contracts, and so forth) are confirmed and verified through a decentralized consensus process called mining. This verification process removes intermediary validation and establishes trust without the use of a centralized authority



Blockchain:

- Adding anything to ledger is permanent
- Solves double-spending problem
- Establishes trust and eliminates middlemen which:
 - 1) increases security
 - 2) tears down walls
 - 3) speeds up transactions
 - 4) improves privacy

How the Blockchain Process Works



Other Public Blockchains: Ethereum



ethereum

Ethereum is a public blockchain-based distributed computing platform, featuring smart contract functionality. It provides a decentralized virtual machine, the Ethereum Virtual Machine (EVM), that can execute peer-to-peer contracts (smart contracts) using a cryptocurrency called Ether.

SMART CONTRACTS:



Agree to contract

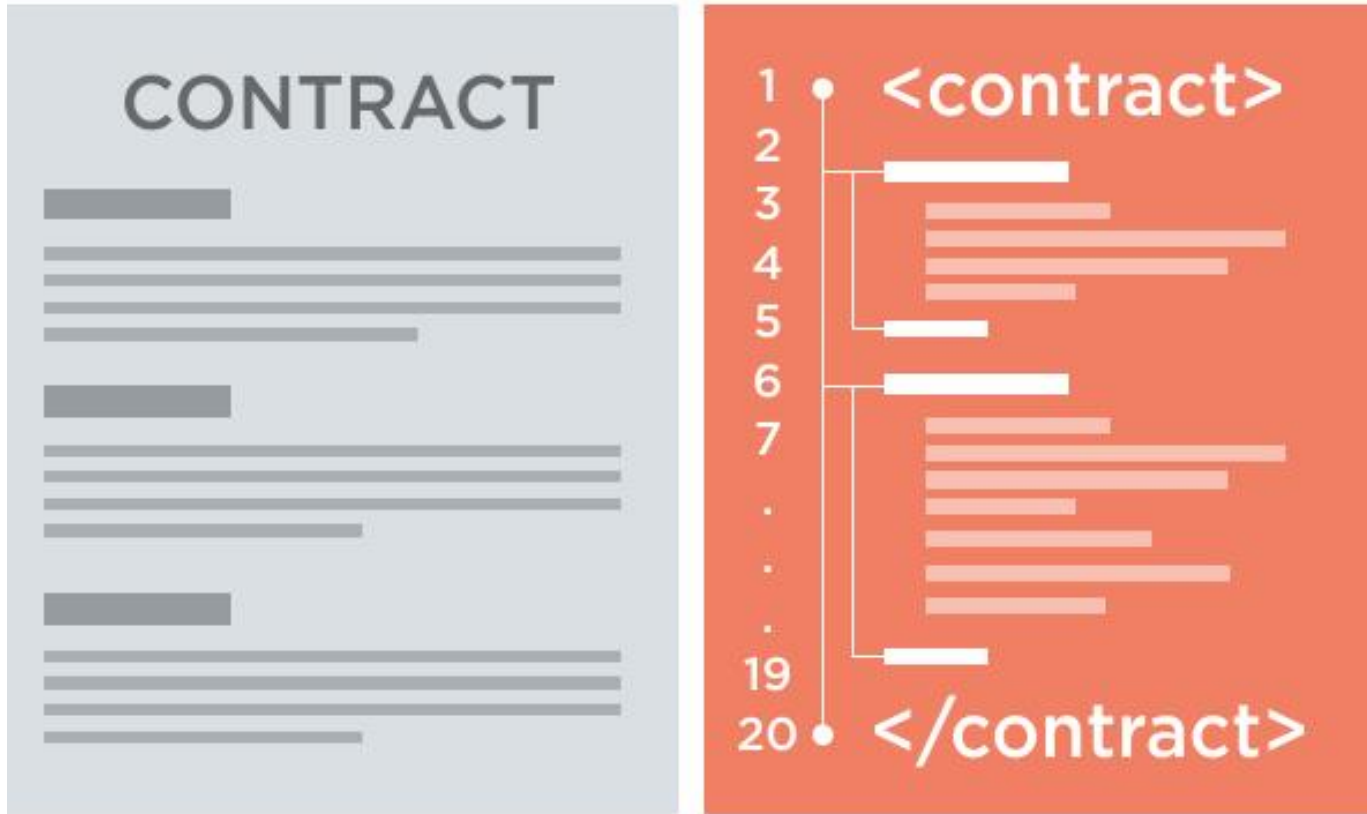


Place in ethereum
blockchain



If event occurs,
automated payout

Smart Contracts



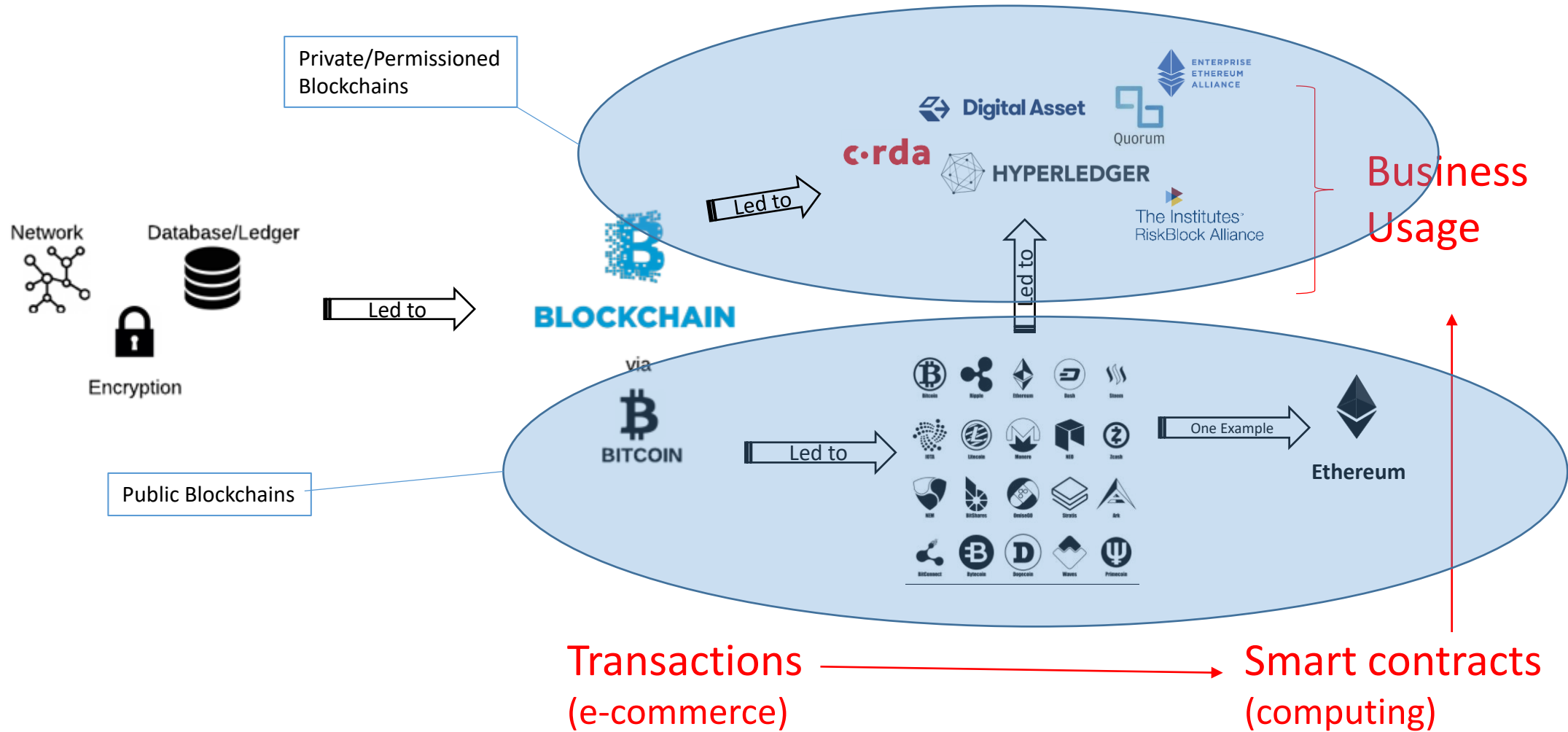
Smart contracts are just pieces of programmable code that can run in the blockchain.

The analogy of a series of “if then” statements works well to describe smart contracts.

Part 4

Overview of Blockchain for Business

Everything Started with Public Blockchains. They Can't Be Ignored.



Public, Private and Hybrid Chains

Public blockchain: A public blockchain is a platform where anyone on the platform would be able to read or write to the platform. This is a fully decentralized blockchain.

Private blockchain: A private blockchain allows only the owner to have the rights on any changes that have to be done. This could be seen as a similar version to the existing infrastructure wherein the owner (a centralized authority) would have the power to change the rules, revert transactions, etc. based on the need.

Hybrid (consortium or permissioned) blockchain: A consortium blockchain would be a mix of both the public and private. Wherein the ability to read and write could be extended to a certain number of people/nodes. This could be used by groups of organization/firms, who get together, work on developing different models by collaborating with each other. Hence, they could gain a blockchain with restricted access, work on their solutions and maintain the intellectual property rights within the consortium.



We are here

A Few Non-insurance Use Cases Under Development

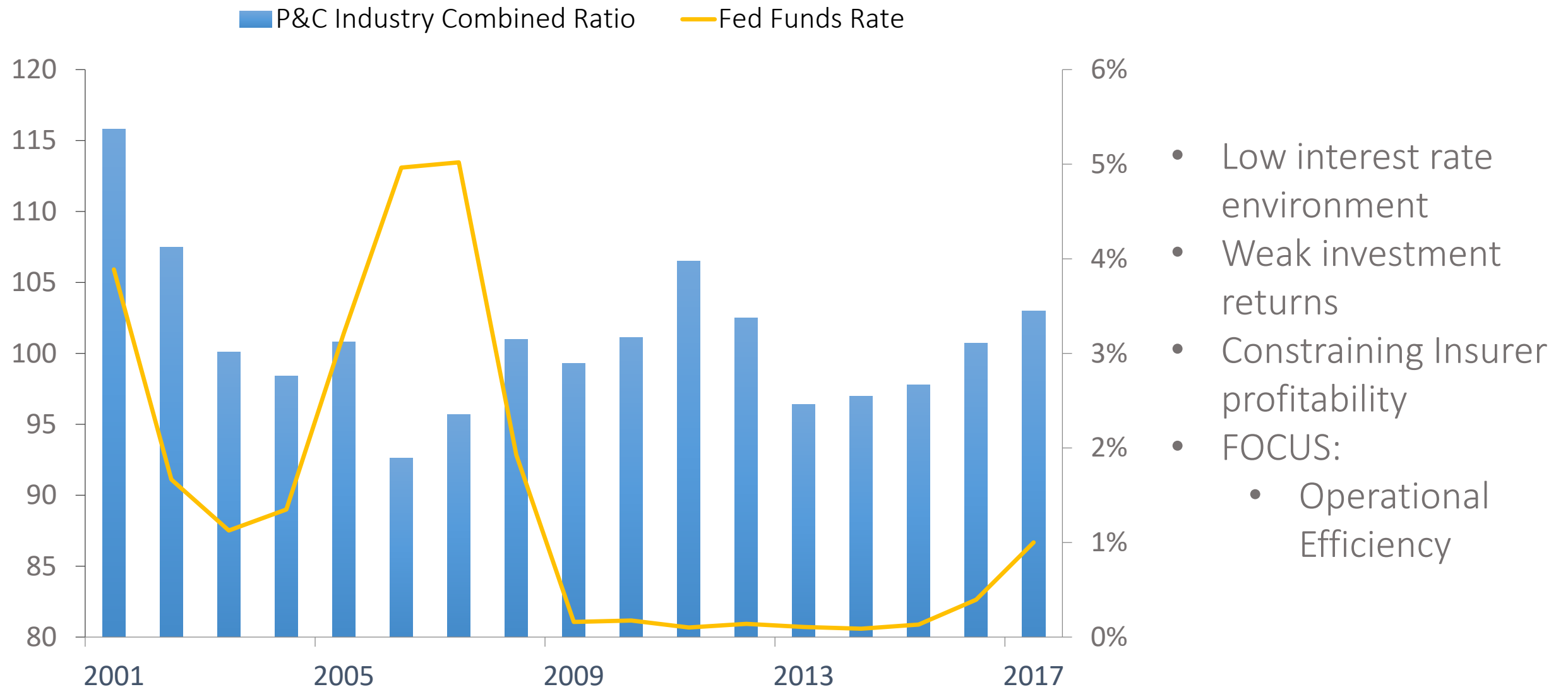
1. Automobile Sales
2. Accounting
3. Banking
4. Education
5. Energy

6. Healthcare
7. Internet of Things
8. Mass Media Entertainment
9. Social Media
10. Supply Chain

Part 5

Blockchain in Insurance

Industry Focus is Shifting to Operational Efficiency



- Low interest rate environment
- Weak investment returns
- Constraining Insurer profitability
- FOCUS:
 - Operational Efficiency

Why Blockchain or DLT for Insurance

The bottom of the slide features three overlapping geometric shapes: a light blue triangle on the left, a dark blue triangle at the bottom center, and a yellow triangle on the right. These shapes are arranged in a way that they appear to be part of a larger, abstract design.

The Institutes RiskStream Collaborative:

Vision & Value Proposition



The Riskstream Collaborative

Vision

Our Vision of the Future

The Institutes RiskStream™ Collaborative aims to create an ecosystem within the risk management and insurance industry that leverages a scalable, enterprise-level blockchain/digital ledger technology framework to streamline the flow and verification of data in order to lower operating costs, drive efficiency from improved processes, and enhance the customer experience

Mission

Our Reason for Existence

- Lower member costs through automation and streamline member activities to drive efficiencies
- Enable risk management and insurance organizations to better serve their customers
- Develop first enterprise-level blockchain/DLT architecture framework flexible enough to support cross-industry use cases and data transactions
- Facilitate the creation and adoption of blockchain and distributed ledger applications for insurance
- Become the leading community of blockchain and insurance thought leadership

Pillars

Key Communication
Concepts & Pillars

Industry's first, scalable
Enterprise Blockchain/DLT
Model

Functional Value

Accelerated adoption
through real-world
application

Important Philosophy

Supported by 100+ years
of consensus-driven,
unbiased TI knowledge
and experience

Emotional Value

The Blockchain Standard-
Bearer in Risk & Insurance

Strength and Culture



Why Blockchain or DLT for Insurance?

Pain Points



Insured

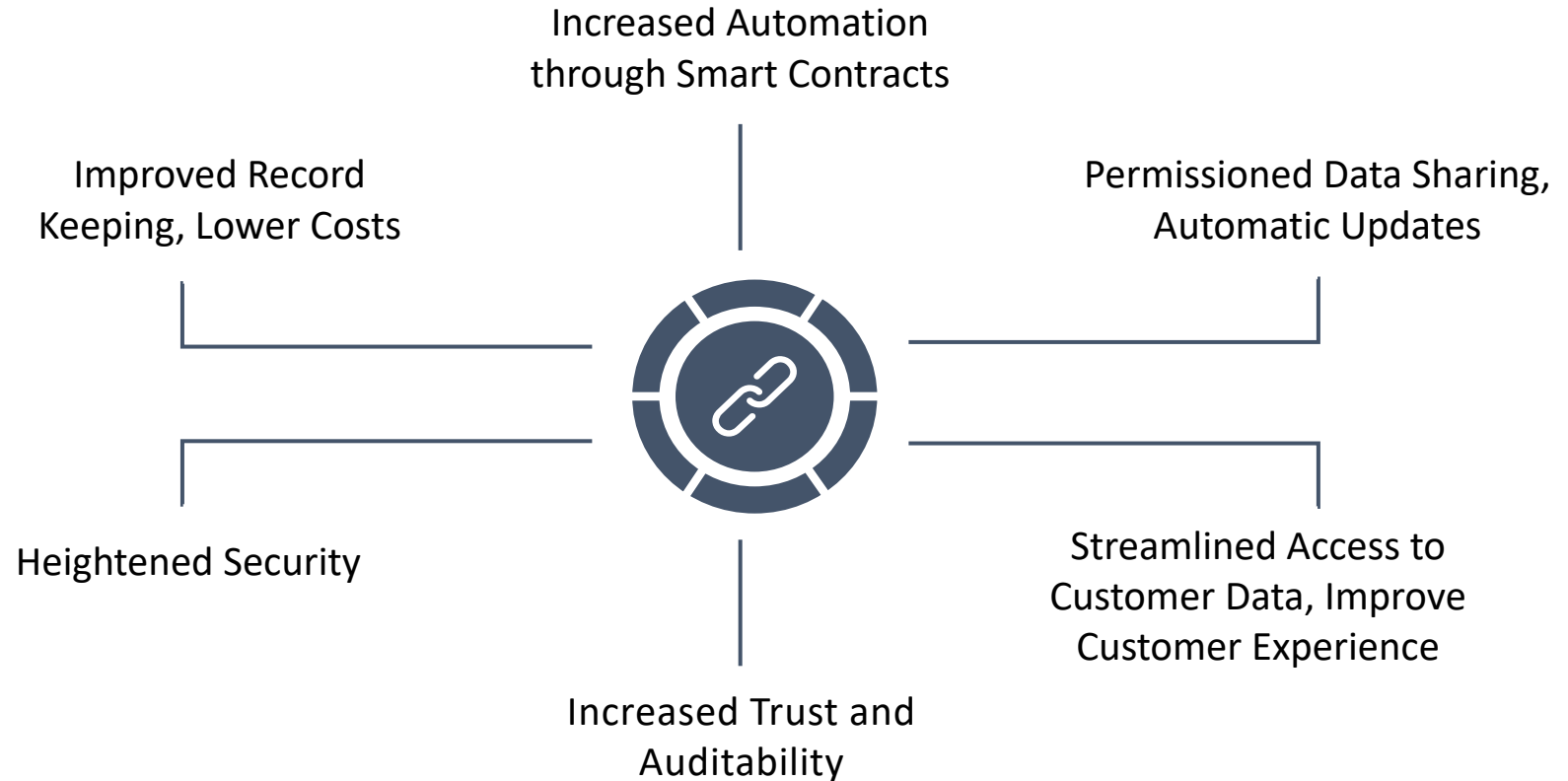
- Poor Customer Experience
- High Premiums
- Slow Entry into Emerging Markets
- Weak Product Innovation



Insurer

- High Administrative Costs
- Costly Intermediaries
- Fragmented Data Sources
- Manual Processes
- Fraud Prone
- Stringent Regulation

Benefits



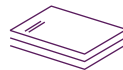
Blockchain Use Cases Across Entire Insurance Value Chain



Products, Pricing & Distribution	Underwriting & Risk Management	Policyholder Acquisition & Servicing	Claims Management	Finance, Payments & Accounting	Regulatory & Compliance
Parametric Insurance	Provenance	Policyholder Acquisition	First Notice of Loss Data Sharing	Subrogation	Motor Vehicle Proof of Insurance
Oracle aggregation service	Data Sharing and Risk Registries	Document Reconciliation (Placement Documentation)	Asset Transfer (Certificate of Title-IoT)	Workers Comp Bill Review and Medical Claims Processing	Real-time Regulatory Reporting
Telematics or IoT-Based Use Cases	Self-sovereign IDs Linked to Insurance	Surety Bonds (verification/validation)	Worker's Compensation (EMR)	Reinsurance (Premium/Loss Cessions/Execution of Treaties)	Agent/Broker Licensing
Insurance for transactional purchases	Digital Twinning	Certificates of Insurance	Fraud Registry	Technical Accounting (maintaining/sharing of financial records)	Sovereign ID (KYC/AML)
Microinsurance Mobile Insurance for Developing Countries	Marine Use Cases	Policy Cancellation and Non-Payment (use of smart contract to trigger)	Multi-layer claims settlement	Surety	Auto Titles
Peer-to-Peer Insurance	Creation of a Repository of Truth for Underwriters	Onboarding and Policy Administration/Customer Service Requests	Marine Claims Management	Multiple Payees	Education Licensing



Blockchain Use Cases Across L&A Insurance Value Chain



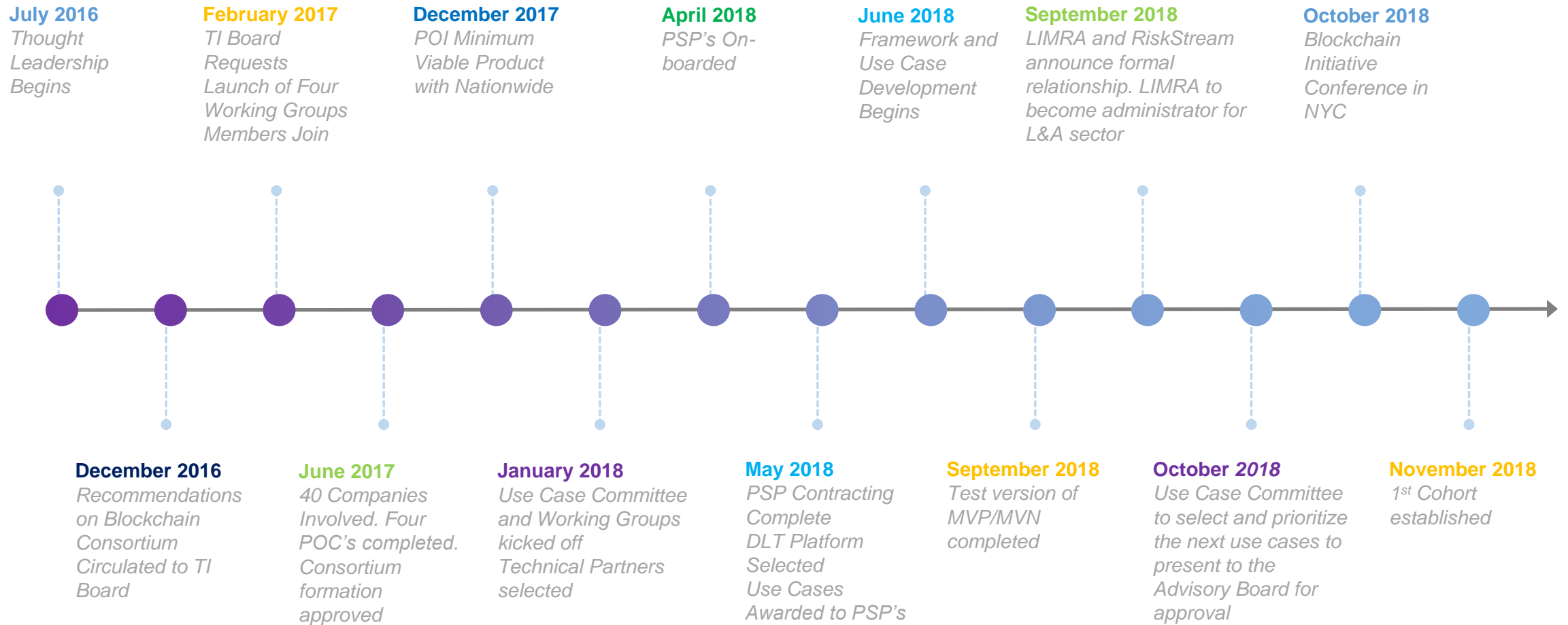
Products, Pricing & Distribution	Underwriting & Risk Management	Policyholder Acquisition & Servicing	Claims Management	Finance, Payments & Accounting	Regulatory & Compliance
1035 Exchange	Creation of Repository of Truth for Underwriters	In-Good Order Validation	Mortality Monitor	Commission Schedules	Licensing & Appointment
Product Version & Associated Rider Data	Health Records	Document Administration, Servicing & Delivery	Fraud Registry	Commission Settlement & Process	Product Filing & Certification
Product Ledgers	Client On-boarding	In-Force Transaction Activity	Insurance “Smart Contracts”	Additional Policy Payments	Tax Reporting



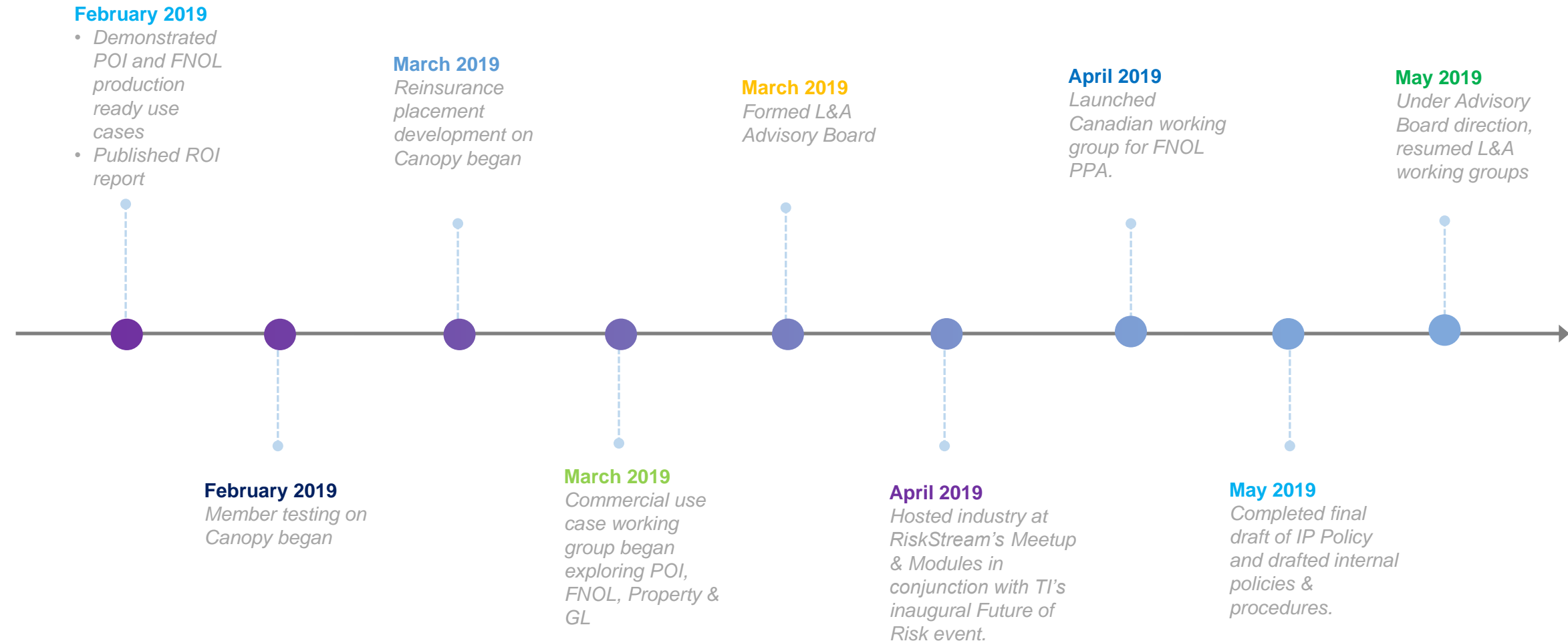
RiskStream: What Was Accomplished Since Last June?

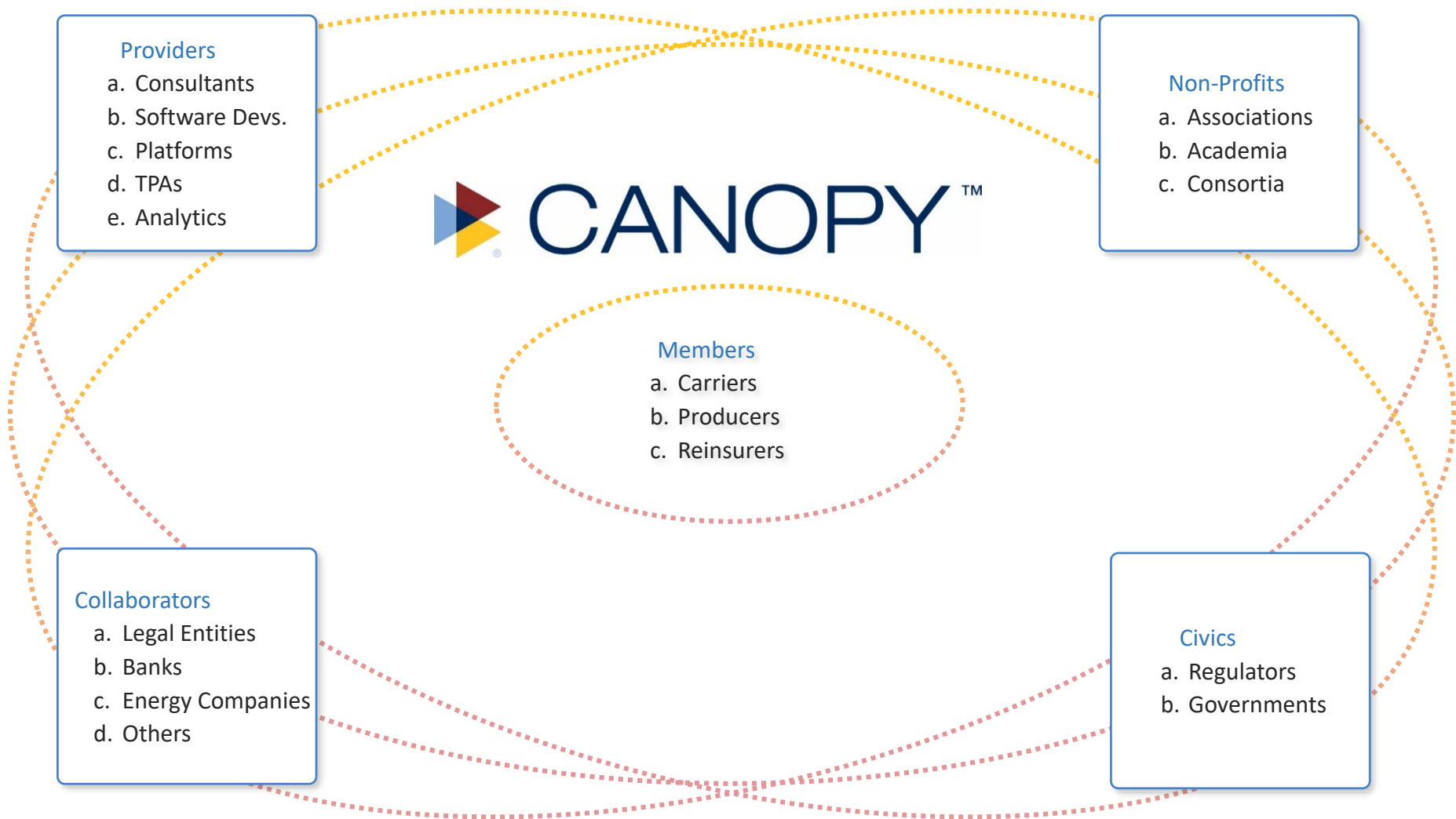
The bottom of the slide features a decorative graphic consisting of three overlapping geometric shapes. On the left is a light blue triangle pointing downwards. In the center is a dark blue triangle pointing upwards. On the right is a large yellow triangle pointing upwards, which overlaps with the dark blue triangle.

Accomplishments Through 2018



Key Accomplishments in 2019

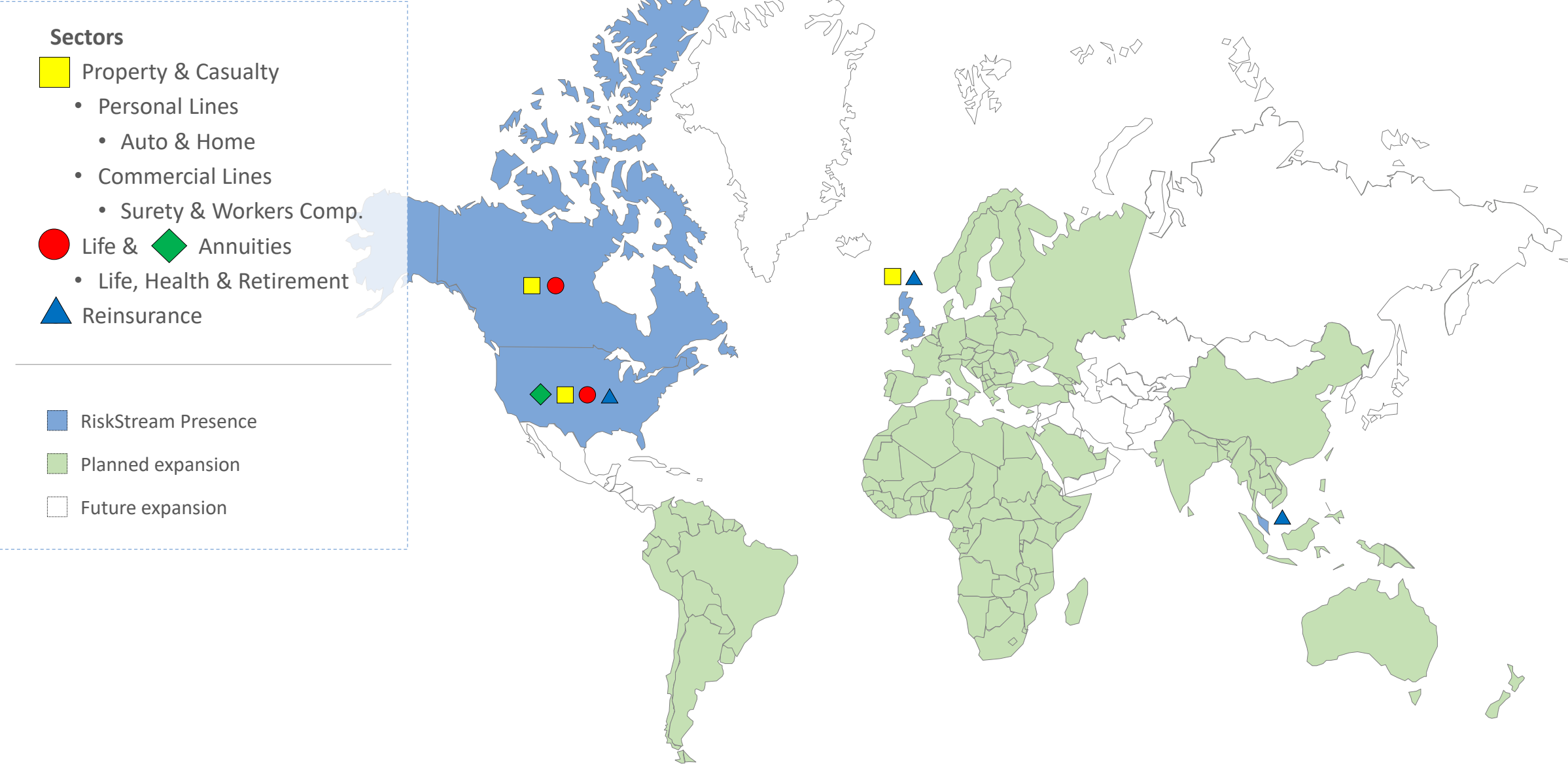




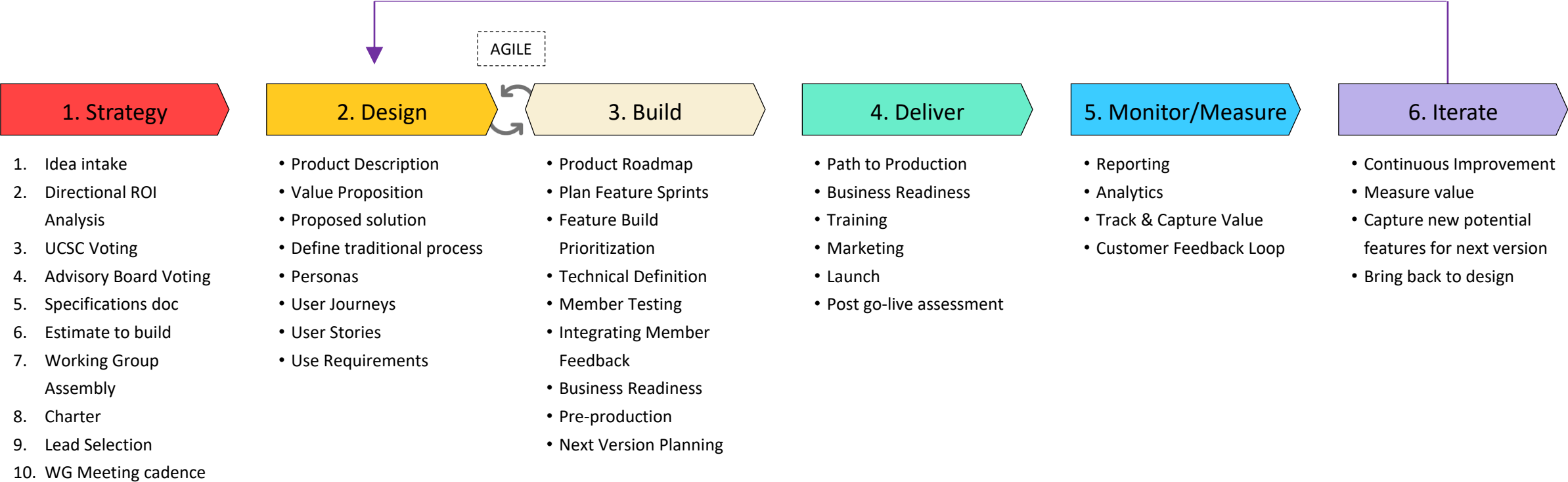
RiskStream Ecosystem



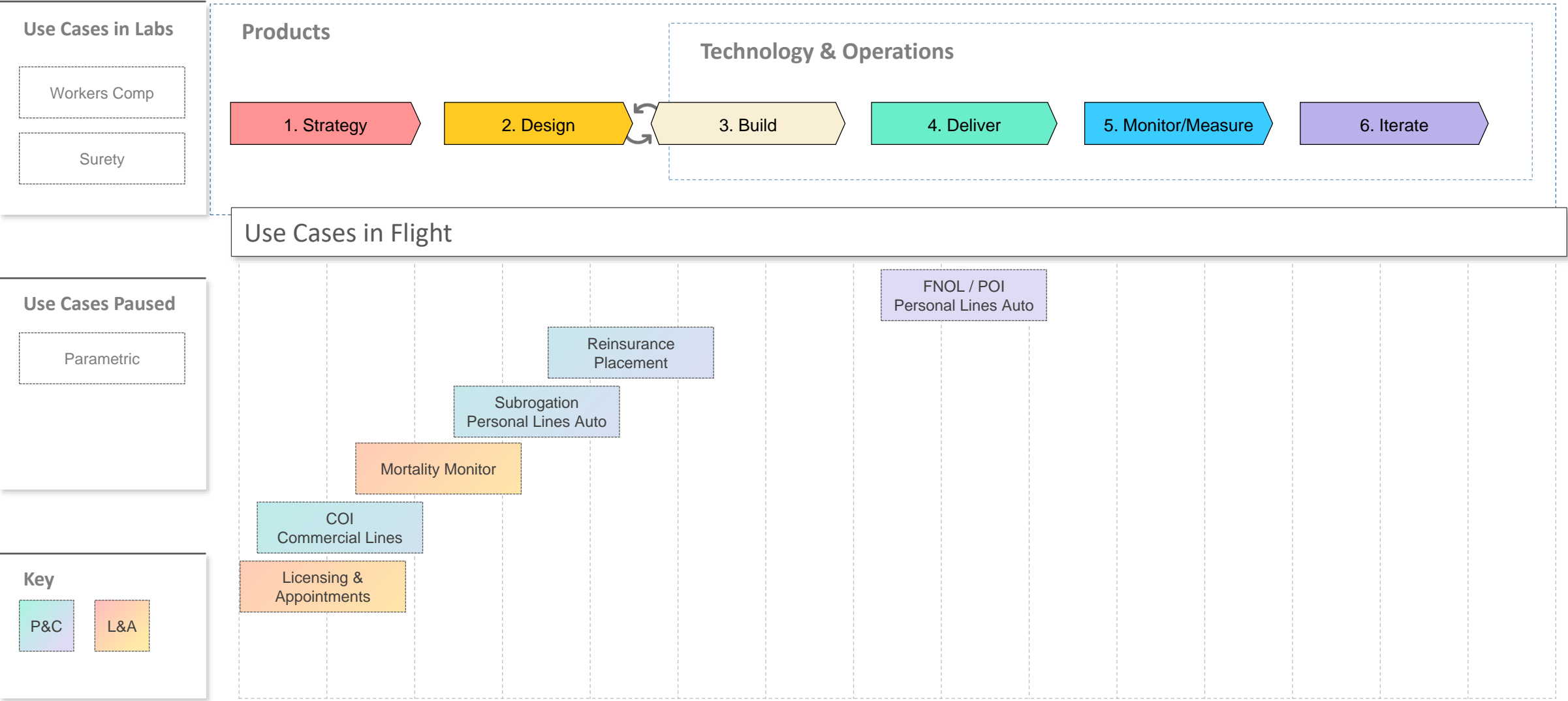
RiskStream Sectors & Geographies



Product Development Framework & Subcomponents



Product Framework & Current Use Case Phase (2019)





Demo Video	https://vimeo.com/332049645
Reinsurance Marketing Video	https://vimeo.com/329153359
Proof of Insurance Marketing Video	https://vimeo.com/303354478
First Notice of Loss Marketing Video	https://vimeo.com/298630201

P&C: Use Cases



Personal Auto Use Case Overviews



Use Case Name: Proof of Insurance (POI) – *Insured-to-Insured Exchange*

Use Case Description

- Segment: P&C
- The objective is to arrange a way to provide proof of insurance electronically
- The most common way to do this today is providing paper cards provided by the insurer
- Blockchain can help this process by allowing for electronic safekeeping and updating of information across the board, potentially limiting the costs.
- 1 user persona (an insured) is involved but use case involves at least 2 insureds
- Policy owners have a single vehicle on their policy
- This use case will help the business because the printed cards incur costs and state-based insurance verification systems mandate submission of complex data, which is extremely costly.

Status of Use Case: Currently in testing phase

Insured-to-Insured POI Exchange Process Flow



POI Event

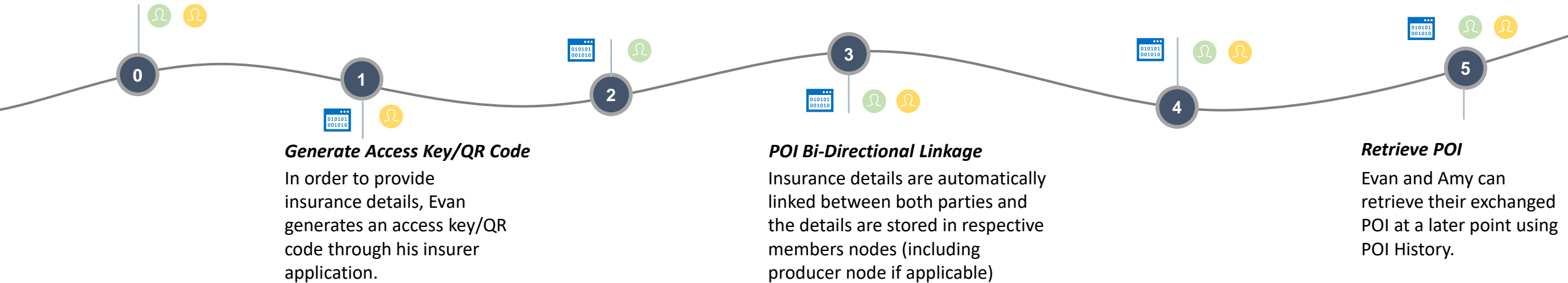
Evan and Amy are involved in a car accident and need to exchange insurance details.

Scan/Input Access Key

Amy enters/scans the access key of Evan on her insurer application.

View Other Party's POI Details

Evan and Amy receive notifications and can view exchanged POI details.



Key:

#

Suggested MVP Scope

#

Future Functionality

010101 001010

DLT Benefits

POI Personas:

010101 001010

Policy Owner A - Evan

010101 001010

Policy Owner B - Amy

Member A

Link record of the POI sharing event for future reference.

Policy Details

Policy Details

Member B

Link record of the POI sharing event for future reference.

Policy Details

Policy Details



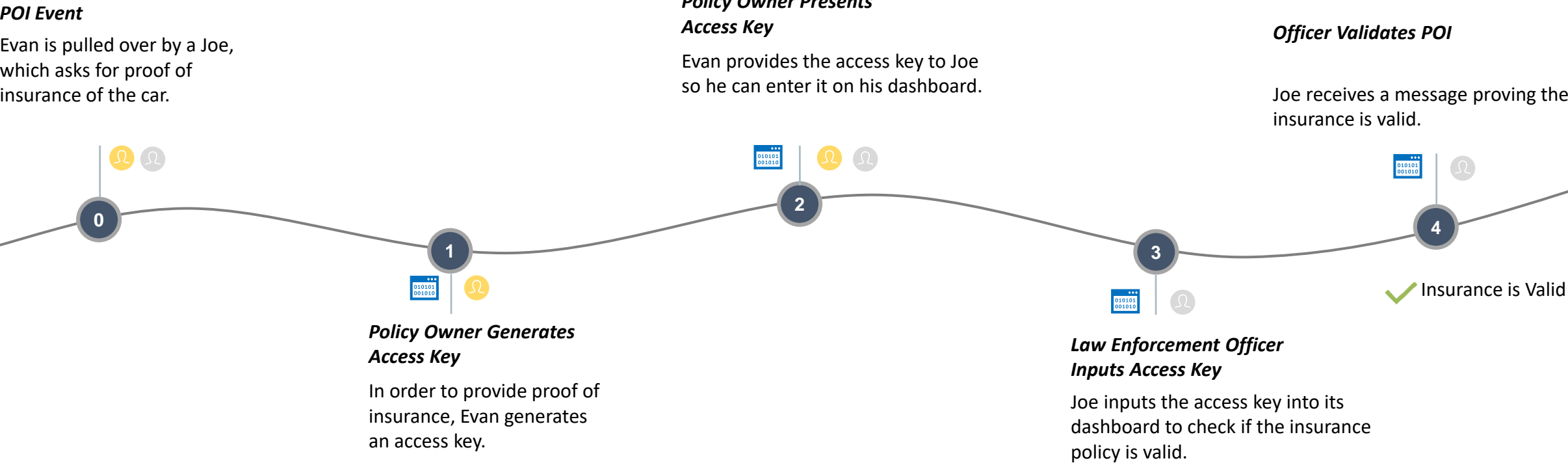
Use Case Name: Proof of Insurance (POI) – *Policy Owner/Law Enforcement Exchange*

Use Case Description

- Segment: P&C
- The objective is to arrange a way to provide proof of insurance electronically
- The most common way to do this is providing paper cards provided by the insurer
- Blockchain can help this process by allowing for electronic safekeeping and updating of information across the board, potentially limiting the costs.
- At least 2 user personas involved: Policy owner and Law Enforcement
- This use case will help our business because the printed cards incur costs and state-based insurance verification systems mandate submission of complex data, which is extremely costly.

Status of Use Case: Paused as testing currently focused on POI Insured-to-Insured Exchange

POI Insured-to-Law Enforcement Officer Process Flow



Key: # MVP Functionality DLT Involved

Personas: Policy Owner - Evan Law Enforcement Officer - Joe



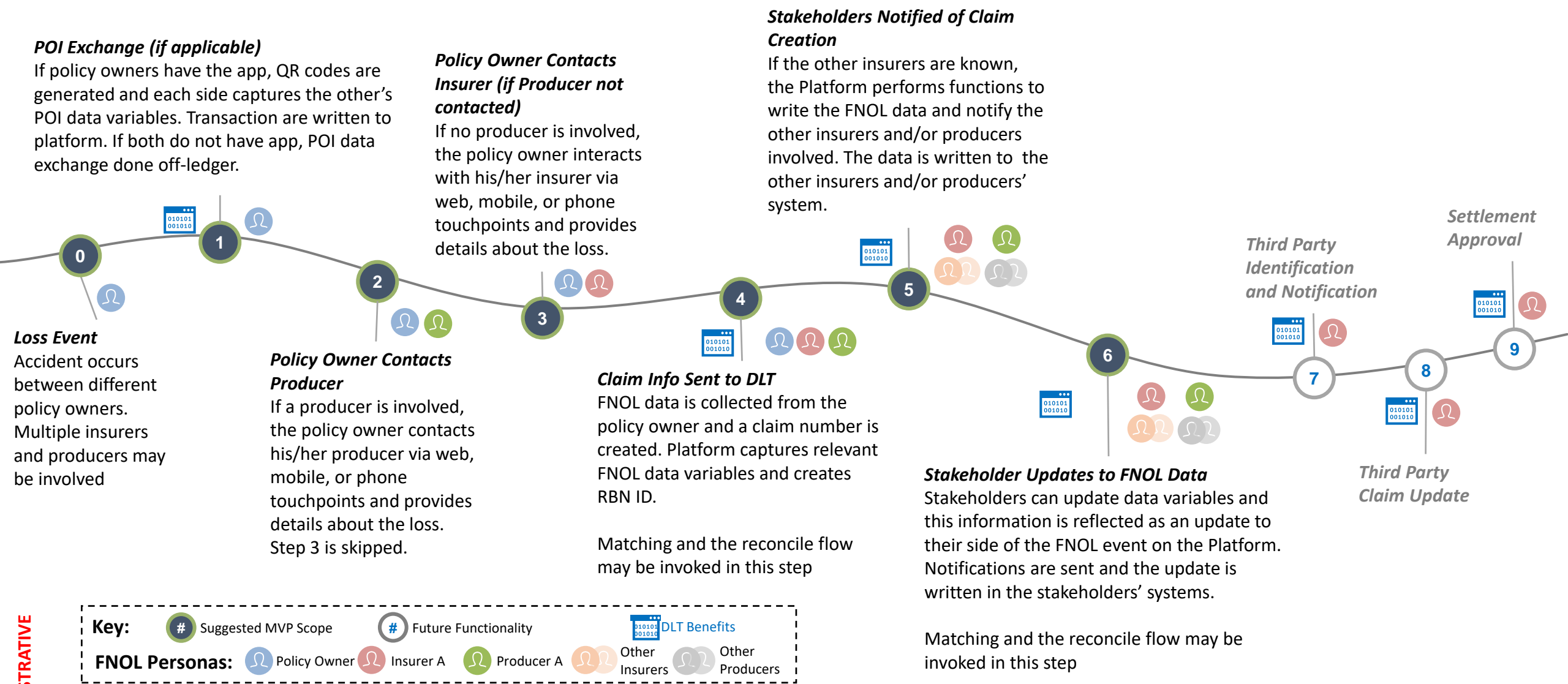
Use Case Name: First Notice of Loss (FNOL) – Personal Auto

Use Case Description

- Segment: P&C: Personal Lines: Auto
- Facilitate the first notice of loss processing on a claim.
- The most common way to currently do this is multiple parties manually coordinating between themselves.
- Distributed Ledger Technology (DLT) can help by optimizing processes related to data and information flow across the entire value chain. A consortium chain can allow insurance-related parties to share data, especially in areas such as first notice of loss.
- At least 3 user personas involved: Each policy owner has a corresponding insurer and producers are optional.
- No external data feeds (oracles, industry data sources, weather data, etc.) required.
- This use case will help our business through early and accurate notice of loss and data exchange between the relevant parties, reducing claim cycle time and handling costs.

Status of Use Case: Currently in testing phase

Personal Auto FNOL Process Flow



ILLUSTRATIVE



Subrogation Net Settlement Use Case Overview



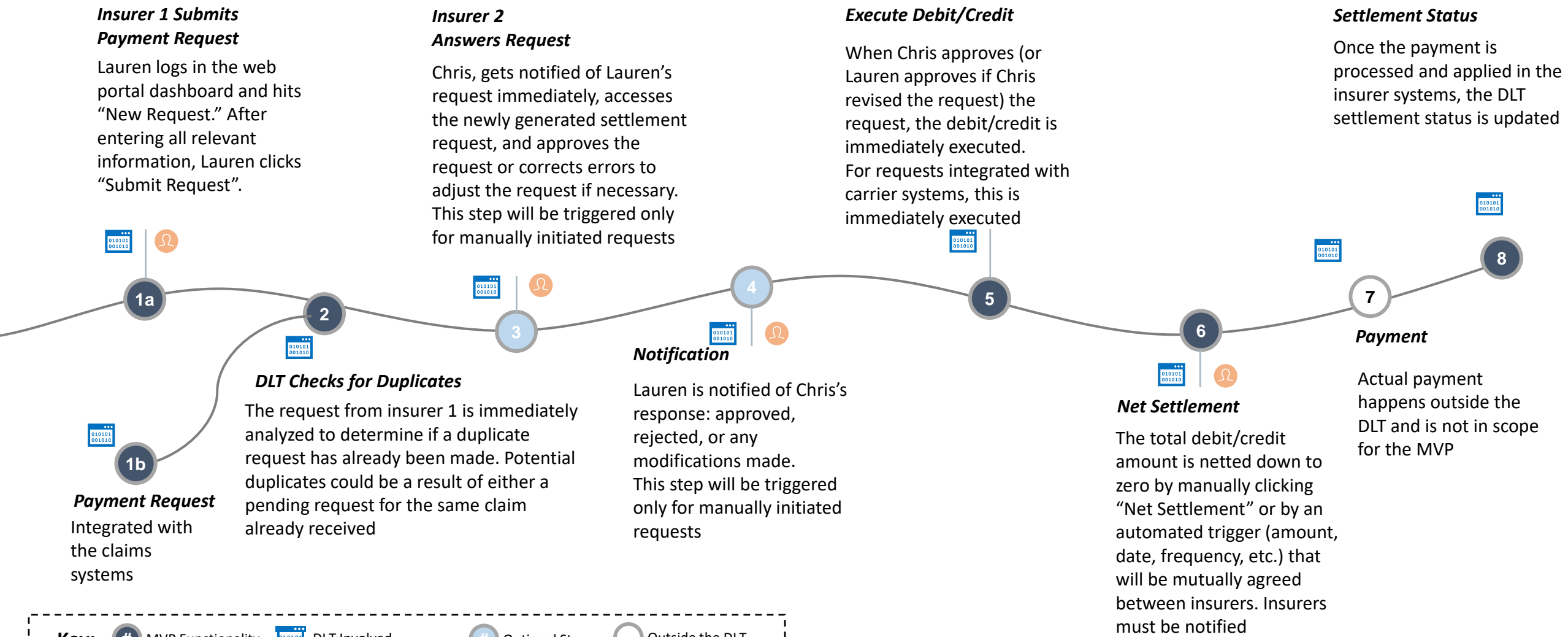
Use Case Name: Subrogation: Net Settlement

Use Case Description

- Segment: P&C
- The objective is to facilitate the netting of payments via smart contracts
- The most common way to do this is parties manually coordinating processing and payment of claims
- Blockchain can help this process by utilizing a consortia shared ledger. The exchange of money between insurers to collect from the party legally responsible for a loss. Blockchain optimizes costs by streamlining the process and facilitating the netting of payments via smart contracts.
- 1 user persona involved: Claims Department
- This use case will help our business because a shared ledger, particularly a consortia shared ledger, could facilitate the netting of payments, eliminate manual processes, lower administrative costs, and speed up the entire process.

Status of Use Case: Working Group in progress working on design

Subrogation Net Settlement Process Flow



* Actual payment and tracking of the payment is outside the scope of the MVP



Reinsurance Placement Use Case Overview



Use Case Name: Reinsurance: Placement Process

Use Case Description

- Segment: P&C (future to expand to L&A)
- Facilitate the reinsurance placement process between the broker and reinsurer.
- Currently this is most common coordinated manually by ceding companies, broker and reinsurers, through phone calls, email and broker/client portals.
- Distributed Ledger Technology (DLT) can help by optimizing processes related to data and information flow among multiple parties. A DLT solution will allow reinsurance placement counter-parties to share placement data, quotes, authorizations and binding notifications to better streamline the placement process.
- At least 2 user personas involved: A reinsurance broker and reinsurer
- This use case will help our business through creating a DLT-based solution to streamline the reinsurance placement process through data exchange between the relevant parties that will create value for all stakeholders while building a foundation in which to address additional areas of reinsurance.

Status of Use Case: Working Group in Progress



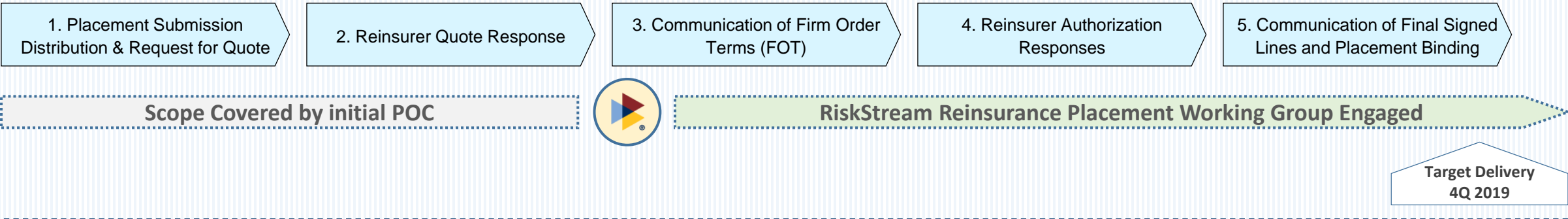
History

Early in 2019 two reinsurance brokers (AON and Guy Carpenter) and two reinsurers (Renaissance Re and Everest Re) approached RiskStream with a request to fund the creation of a Proof of Concept (POC) for the reinsurance placement process on the Canopy platform. With the POC complete, participants have agreed to transition ongoing work for this use case into a RiskStream working group with led by the initial four participants.

Reinsurance Placement Working Group Mission Statement:

Create a DLT-based solution to streamline the reinsurance placement process that will create value for all stakeholders while building a foundation in which to address additional areas of reinsurance.

Reinsurance Placement Use Case Scope



This use case has the potential to represent a number of firsts for RiskStream: our first entrance into the Reinsurance domain, the first use case that started with external participants “building on Canopy” via a POC, and the first use case that has the potential to eventually drive benefits for all RiskStream member types: insurers (ceding companies), brokers and reinsurers.



Commercial Lines Use Case Overviews



Use Case Name: Certificates of Insurance (COI) – Commercial Property and Liability

Use Case Description

- Segment: P&C: Commercial Lines Property and Liability
- Distributed Ledger Technology (DLT) solution has the potential to securely decentralize information ownership while simultaneously allowing access by appropriate and authorized parties. This can create a single source of truth for COIs, and changes such as exclusions, endorsements and cancellations would update in real-time for all parties (insureds, brokers, agents, and hiring entities) reducing manual aspects of COI request, creation, and review.
- At least 2 user personas involved: A policy owner who has a corresponding insurer and a producer. Others actors to be identified through working group.
- Although digitization and automation have somewhat lessened the burden of fulfilling COI requests, this use case will help our business reduce the amount of human error in fulfilling COI requests; reduce fraud associated with cancelled or otherwise invalid certificates of insurance presented to hiring entities; decrease in E&O claims frequency related to incorrect COI; and reduce carriers' acquisition costs since a non-trivial portion of a producer's commission goes to fulfilling COI requests

Status of Use Case: Working Group in progress



Use Case Name: Proof of Insurance (POI) – *Commercial Auto Insured/Insured Exchange*

Use Case Description

- Segment: P&C: Commercial Lines Auto
- The objective is to arrange a way to provide proof of insurance electronically
- The most common way to do this today is providing paper cards provided by the insurer
- Blockchain can help this process by allowing for electronic safekeeping and updating of information across the board, potentially limiting the costs.
- At least 2 user personas is involved: Employee of the commercial auto policy owner and personal auto policy owner
- This use case will help the business because the benefits include reducing the costs associated with storing POI image files on carriers' servers, reducing the costs of providing paper POI cards, reducing costs associated with complying with state-run insurance verification systems, and reducing the costs of uninsured motorists—to the extent that uninsured motorists are an issue in the commercial auto space.

Status of Use Case: Working Group started but currently paused



Use Case Name: First Notice of Loss (FNOL) – Commercial Auto

Use Case Description

- Segment: P&C: Commercial Lines Auto
- Facilitate the first notice of loss processing on a commercial auto claim.
- The most common way to currently do this is multiple parties manually coordinating between themselves.
- Distributed Ledger Technology (DLT) can help by optimizing processes related to data and information flow across the entire value chain. A consortium chain can allow insurance-related parties to share data, especially in areas such as first notice of loss.
- At least 3 actors involved: Each insured (employee of the commercial auto policy owner and a personal auto policy owner) has a corresponding insurer and a producer (agent or broker)
- This use case will help our business through early and accurate notice of loss and data exchange between the relevant parties, reducing claim cycle time and handling costs.

Status of Use Case: Working Group started but currently paused



Use Case Name: First Notice of Loss (FNOL) – Commercial Property

Use Case Description
<ul style="list-style-type: none">• Segment: P&C: Commercial Lines Property• Facilitate the first notice of loss processing on a commercial property claim.• The most common way to currently do this is multiple parties manually coordinating between themselves. For commercial property, there is time associated with sharing FNOL data between other carriers in a layered program, the producer, and the reinsurer(s).• Distributed Ledger Technology (DLT) can help by optimizing processes related to data and information flow across the entire value chain. A consortium chain can allow insurance-related parties to share data, especially in areas such as first notice of loss.• At least 2 actors involved: A policy owner who has a corresponding insurer and a producer. Other carriers in a layered program and the reinsurer(s) are optional.• This use case will help our business through early and accurate notice of loss and data exchange between the relevant parties, reducing claim cycle time and handling costs.

Status of Use Case: Working Group Started but currently paused

Use Case Name: First Notice of Loss (FNOL) – Commercial General Liability

Use Case Description
<ul style="list-style-type: none">• Segment: P&C: Commercial Lines General Liability• Facilitate the first notice of loss processing on a commercial general liability claim.• The most common way to currently do this is multiple parties manually coordinating between themselves. For commercial liability, there is time associated with sharing FNOL data between other carriers in a layered program, the producer, and the reinsurer(s).• Distributed Ledger Technology (DLT) can help by optimizing processes related to data and information flow across the entire value chain. A consortium chain can allow insurance-related parties to share data, especially in areas such as first notice of loss.• At least 2 actors involved: A policy owner who has a corresponding insurer and a producer. Other carriers in a layered program and the reinsurer(s) are optional.• This use case will help our business through early and accurate notice of loss and data exchange between the relevant parties, reducing claim cycle time and handling costs.

Status of Use Case: Working Group Started but Use Case Paused



Parametric Insurance Use Case Overview



Use Case Name: Parametric Insurance

Use Case Description

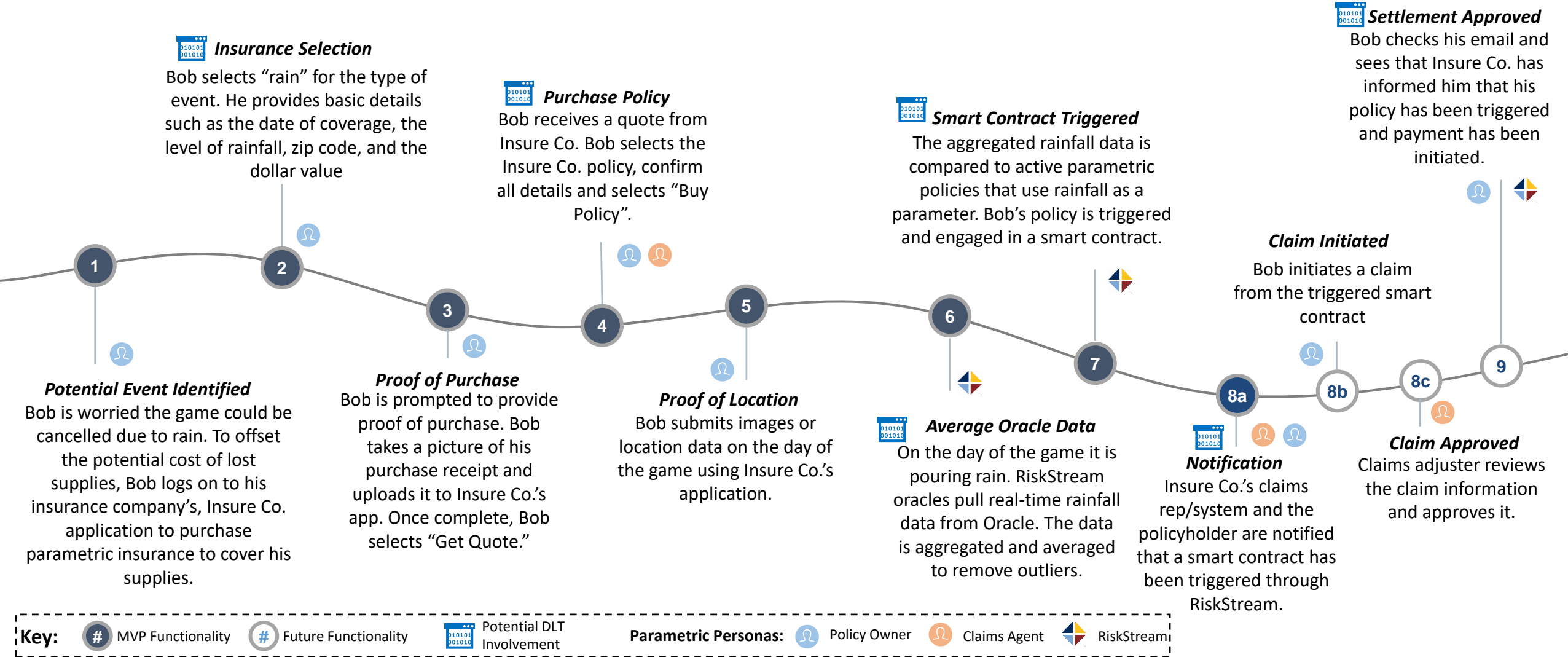
- Segment: P&C
- The objective is that insurers could agree to pay a certain amount upon occurrence of triggers within present smart contracts.
- The most common way to do this is parties manually coordinating research, processing and payment of claims.
- Blockchain can help this process by automating the entire process by containing the program logic, checking the oracle and paying out when conditions are met.
- At least 2 users personas involved: Policy Owner and Insurer
- 2-3 weather oracle connections for rainfall are required
- Data will need to be brought in hourly.
- This use case will help our business because it could help to expand parametric application in insurance.

Status of Use Case: Working Group currently paused

Parametric Insurance Process Flow



Food truck owner buys a parametric insurance policy to protect against a game/festival getting rained out.



Primary focus will be on the oracle data and smart contract triggers (steps 6 and 7)



Use Case Labs



Use Case Name: Specific use case related to Workers Compensation to be determined

Use Case Description

- Segment: P & C: Commercial Lines
- Further discussion and definition is needed on the below suggested use cases:
 1. Fraud and Tracking of Certificates of Insurance
 - Distributed Ledger Technology (DLT) could be used to enhance the process of creating and tracking certificates of insurance which can then be cross checked to expose potential fraudulent activity.
 2. Payroll Verification
 - DLT could provide for the sharing and tracking of payroll information, hereby reducing the opportunity for fraud.
 3. Insured Portfolio and History Verification
 - DLT could enable carriers to share historical information on insureds and eliminate discrepancies.

Status of Use Case: Lab in progress



Use Case Name: Specific use case related to Surety to be determined

Use Case Description
<ul style="list-style-type: none">• Segment: P&C• The following potential use cases have been narrowed down by external participants in the Surety space. In-depth review and benefit evaluation of each use case is in progress:<ol style="list-style-type: none">1. Power of Attorney Verification Process (Bond Agent)<ul style="list-style-type: none">• Obtaining power of attorney is a necessary step in the process of issuing a bond. It provides legal protection and assurance to the obligee that the bond has been issued by the bond agent with full understanding of the backing Surety. Distributed Ledger Technology (DLT) could help with the issuing and verification processes removing the manual and informal information exchange channels.2. Policy Renewals<ul style="list-style-type: none">• Bonds carry an expiration date and the renewal process and corresponding payment is expected in advance of the expiration date. DLT could help simplify the renewal process keeping all parties informed of the current bond status and enforce cancellation clause terms.3. Electronic Bonding Delivery<ul style="list-style-type: none">• Allows for the electronic signature by all parties involved in the bond process via an electronic medium avoiding paper and manual process delays. DLT could help store the bond record and signatures from the different parties of the process in a trusted and secure manner.

Status of Use Case: Lab in progress

Life & Annuities Use Cases



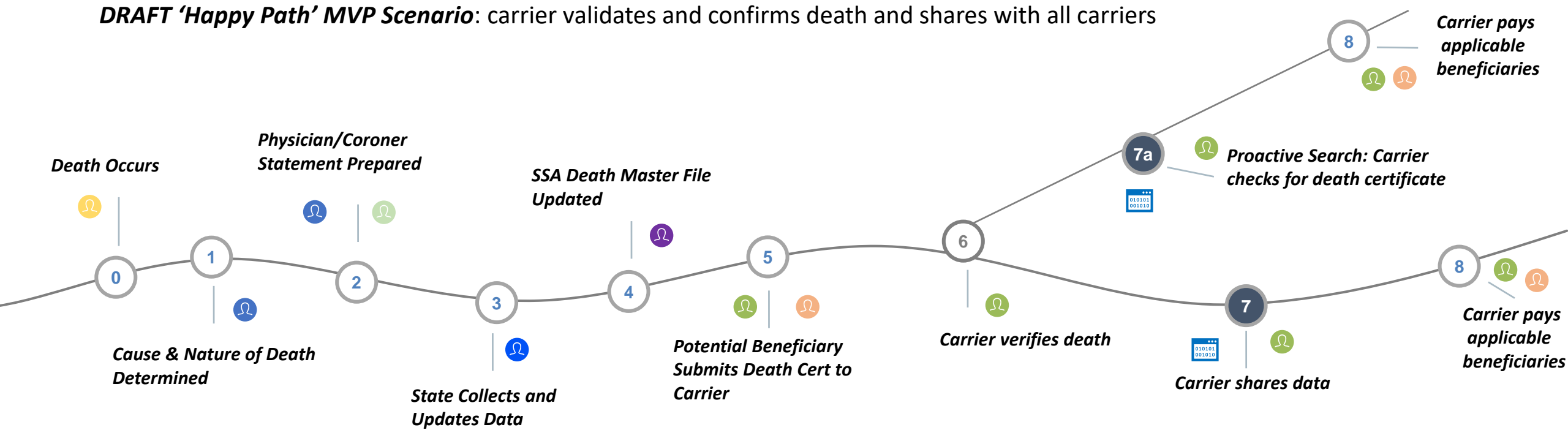
Use Case Name: Mortality Monitor

Use Case Description

- Segment: L&A:
- Facilitates the sharing of trusted data that was obtained to identify and determine an individual is deceased.
- The notification and verification of death requires the carrier to have comprehensive trusted data in order to process the claim. The challenge is the lack of a single source the insurance companies can rely on to determine when to pay out on a life insurance policy. As a result, the carriers have to triangulate data from multiple sources, while the carrier's data may not be complete, and attempt to fill in the gaps, which leaves a level of subjectivity in validating the death.
- Distributed Ledger Technology (DLT) can help by optimizing processes related to data and information flow across the entire value chain. A consortium chain can allow insurance-related parties to share data, especially in areas of public information.
- The MVP will allow carriers to collaborate and share data that was obtained to identify and determine an individual is deceased and can be leveraged as a source for Proactive Searches.

Status of Use Case: Working Group in progress

DRAFT 'Happy Path' MVP Scenario: carrier validates and confirms death and shares with all carriers



Key: # Suggested MVP Scope DLT Benefits # Member Functionality # Non-MVP event

Personas: Policy Holder Physician/coroner Funeral Home Carrier State Social Security Admin - SSA Potential beneficiary



Use Case Name: Licensing and Appointments

Use Case Description

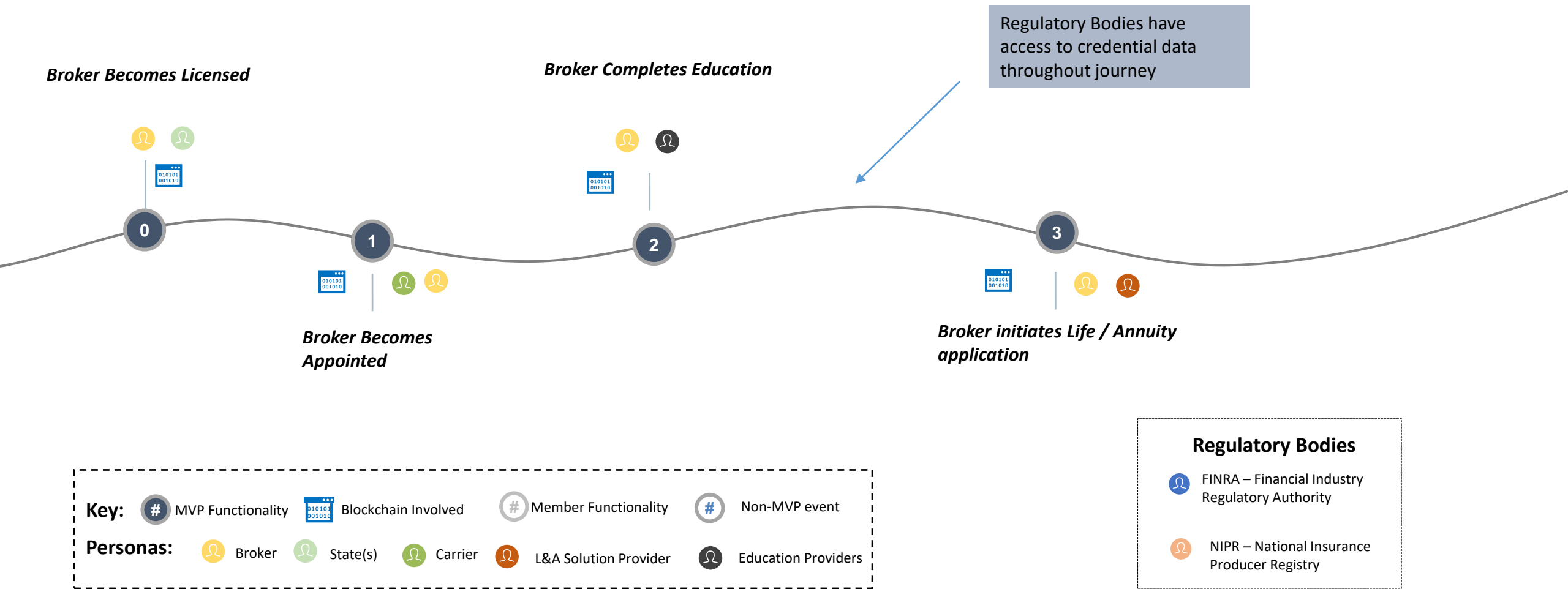
- Segment: L&A
- Insurance regulation and compliance could be transformed, as regulators would be able to monitor all insurance variables in real time and help with verification of certain information, including education, certification, and licensing across states.
- Licensing & Appointment is critically important and there is no single system that exists today that tackles the problem in an efficient manner. There is a lack of common licensing requirements across states that imposes significant time and costs on producers, their affiliated agencies and each state insurance department.
- The lack of a single source of data results in inconsistent cycle times, lag times and out-of-sync databases, causing potential terminations and costly rework. Distributed Ledger Technology (DLT) eliminates out-of-date information, such as broker changes, terminations or appointments, renewals, course certification because the data is seamlessly accessible to all permissioned parties in a trusted secure environment.
- DLT technology's role in the licensing & appointment process is wide and deep, it can improve the appointment process, reduce turn-around time and help onboard agents faster by identifying correct agent information, perform license and agreement validation based on approved states more efficiently, and update changes to agent information near real-time—all of which in turn improve agent satisfaction that drive top line growth.

Status of Use Case: Working Group in progress

Appointments Potential Process Flow



DRAFT ‘Happy Path’ Scenario: Broker, carrier, & education provider update and maintain data on DLT real-time making accessible to other stakeholders.

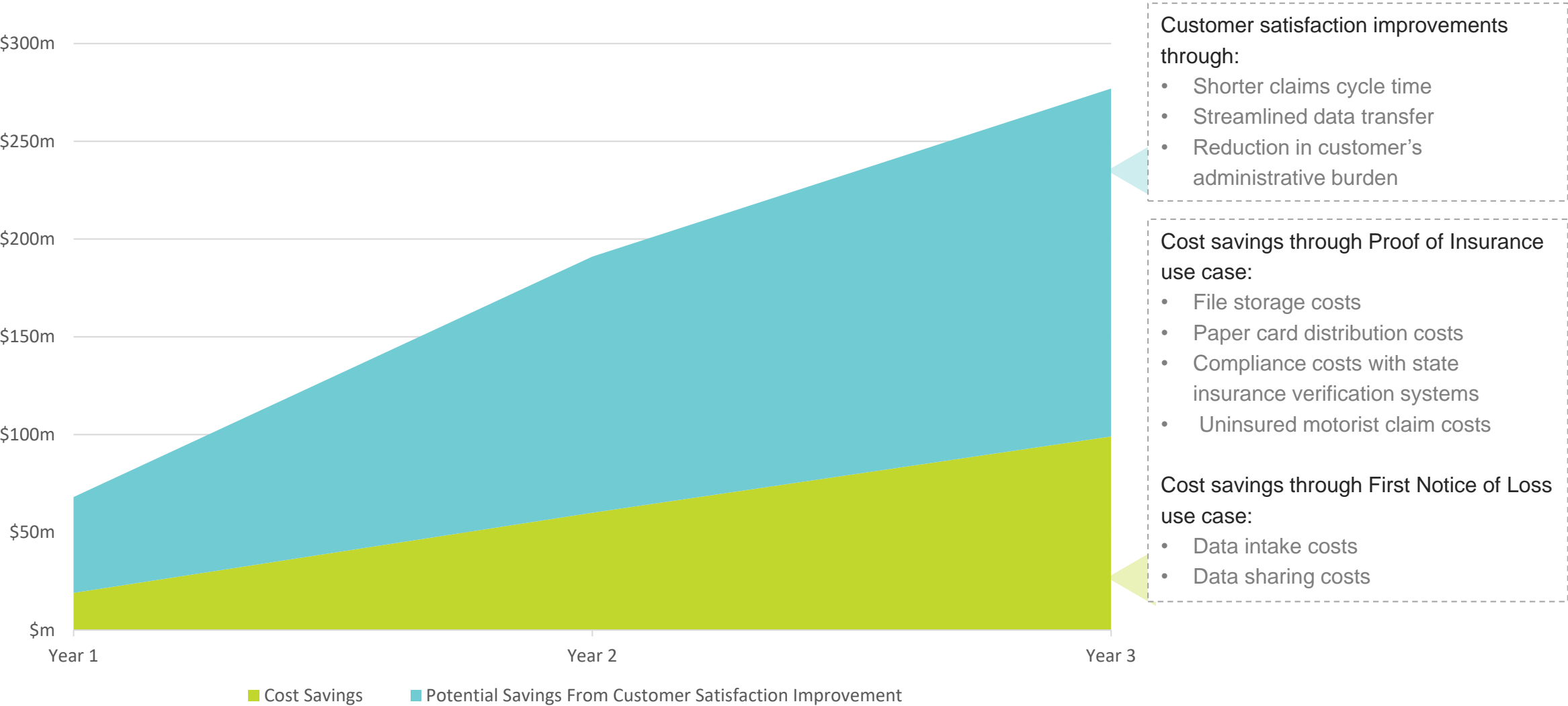


P&C: Business Value Proposition for POI and FNOL



Proof of Insurance & First Notice of Loss Use Cases

RiskBlock Has Created a Research Report Estimating Total Savings for RBA Members from Leveraging Both (Proof of Insurance and FNOL) Applications



Business Value Proposition

Membership engagement expectations of each use case



*Not every member will engage in every use case...
but there should be a use case for every member:*

USE CASES		
Personal Lines	Commercial Lines	Reinsurance
POI Auto	POI Commercial Auto	Placement Process
FNOL Auto	FNOL Commercial Auto	Loss Bordereau
Subrogation (Net Settlement)	Certificates of Insurance Property	Parametric Insurance
Auto Titles	Certificates of Insurance Liability	Facility Schemes
Homeowners (i.e. IoT, certificates)	Workers Compensation (i.e. medical records)	Facultative & Treaty Programs
And more...		