



Data and Technology PoC Strategic Partnership Program

Selected themes for Cycle 3

Idea	Topic	Idea Summary
1	Real-Time Air Cargo Visibility Through BLE Event Capture and Event Broadcasting	<p>Air cargo visibility today remains fragmented across manual scans, phone calls, proprietary portals, and batch EDI messages that often describe events after they have already happened.</p> <p>This PoC proposes an infrastructure-light approach to real-time cargo visibility. Low-cost Bluetooth Low Energy beacons would be attached to selected shipments or Unit Load Devices, and detections would be captured by a controlled network of corporate-issued mobile devices, airport handheld scanners, warehouse tablets, and fixed BLE gateways installed at key operational points.</p> <p>Each detection would be converted into a structured cargo visibility event and broadcast in near real time to authorized stakeholders such as airlines, ground handlers, forwarders, shippers, and customs authorities. The event stream would provide a shared, trusted view of cargo movement across the journey, while maintaining appropriate access controls, encryption, and auditability.</p> <p>The objective is not to continuously track every shipment everywhere, but to test whether BLE-assisted event capture can improve milestone visibility, reduce manual follow-up, and create a tamper-evident, ordered history of cargo movements across multiple operational parties.</p>
2	Agentic Identity and Payment	<p>Verifiable Identity can now be presented in one click but that step remains separate from payment. Building on recent developments in digital wallets, payment and identity credential presentation could be combined in one step for air travel customers.</p> <p>Now that agentic shopping is scaling, how can we keep the simplicity and control for the customer while providing the same trustworthiness of the transaction for the airline seller?</p> <p>This PoC will explore how Agentic AI shopping and travel assistant solutions can interact with wallet to present Identity, Consent, Eligibility, and Payment in one motion.</p>
3	Credentials for Travel	<p>a) Accessibility Credential for Air Travel: Apply the same wallet and verifiable credential model to accessibility and assistance needs, allowing a passenger to establish their requirements once and selectively disclose only what is necessary at each stage of the journey. This extends digital identity beyond border and admissibility use cases into a domain where it can materially improve passenger experience.</p> <p>b) Delegated Travel for Families and Groups: Enable a parent or group lead to use digital identity credentials to book, manage and check in multiple passengers within a single journey flow. This extends current one-passenger, one-wallet approaches into a delegated travel model that reflects how many people actually travel.</p>
4	Aviation Fraud & Risk Pattern Exchange	<p>The Aviation Fraud & Risk Pattern Exchange envisions a shared industry capability to register, share, and apply fraud and risk patterns—such as document misuse, booking fraud, and disruption indicators—to detect threats across the value chain. By enabling near real-time intelligence exchange, similar to financial fraud networks, it could create a shared defence layer that strengthens resilience, reduces exposure to fines, and improves operational efficiency.</p>
5	Predictive Disruption Management	<p>a) Operational Weather Intelligence & Impact Messaging: A decision-support solution that uses live flight, connection, and seat-availability data to quantify the true cost of disruption, helping airlines identify which delayed flights are most worth recovering, when a better slot is economically justified, and when selected passengers should be rerouted through available inventory to reduce total journey cost.</p> <p>b) Disruption Management: Predictive disruption (maintenance, congestion, weather). Using AI for real time decision engine automated customer notifications/rebooking.</p>