

Transport Network Companies (TNCs): Airport Technology Perspective

Ian Law Chief Information Officer (CIO) Deputy Airport Director

> ACI-NA BIT March 2015





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SFO's Journey

Denial	 Cease/Desist letters Legal remedy Traditional revenues intact CPUC: TNCs already illegal CPUC reinforced decision Transponder based business
Acceptance	 Engaged on Permit Solution architecture Transponders: Yes/No? Billing/Compliance/Audit Pilot, self-reporting, app-on Geo-fence, Payload
Development	 Design criteria: HA, HV, CS TNC: ABCT Compliance app/geo-maps Ping duplication/delays (RT) Precise payload definition Testing issues
Go-live	 45 TX/sec March: 3 TNCs in Production Geo-fence definition (101)
Outcomes	 Revenue growth Traditional business impact Compliance improvement Revenue reconciliation Other modes on app-base Launchpad for next 'thing'

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ArcGIS JavaScript API: TNC_STREAM

Built using the ArcGIS JavaScript API



Stream service url: TNC: Vuber VLyft VEntry VPick-up VDrop-off UBER: ENTRY • PICK • DROP + LYFT: ENTRY • PICK • DROP +

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Start Stream

Stop Stream



ArcGIS JavaScript API: TNC_STREAM

Built using the ArcGIS JavaScript API





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ABCT Compliance 🛛 🚍				
TNC Name	License Plate	Ride Count	on Airpor	
Lyft		0	00:00	
Lyft		0	00:00	
UberX		1	00:00	
UberX		0	00:00	
UberX		0	00:00	
UberX		0	00:00	
UberX		1	00:00	
UberX		1	00:00	
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Next Steps

- Pilot ends August 2015 what next?
- Working with other modes on use of apps at SFO
- Migration to SaaS
- Full integration with Billing
- More Compliance features
- Keep learning about this new business!





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