

What Does a "Connected" Aircraft Really Mean?

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The Buzzword Bingo

В		N	G	0
e-Enabled	The Cloud	IoT	Third Party Apps	Big Data
VPN	LEO	ANSP	Azure	Edge Computing
4G	ANSOG	Free Space	Data Pools	GEO
AWS	Cyber Security	MEO	Real Time	5G
Block Chain	Firewalled	SaS	Node	Connected

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Southwest's

What does Connected mean to different groups

It's all about my EFB, and my coffee It's all about my Turn Information and Customer Service

It's all about my Log Book and Software Loading

It's all about my DATA!!!!



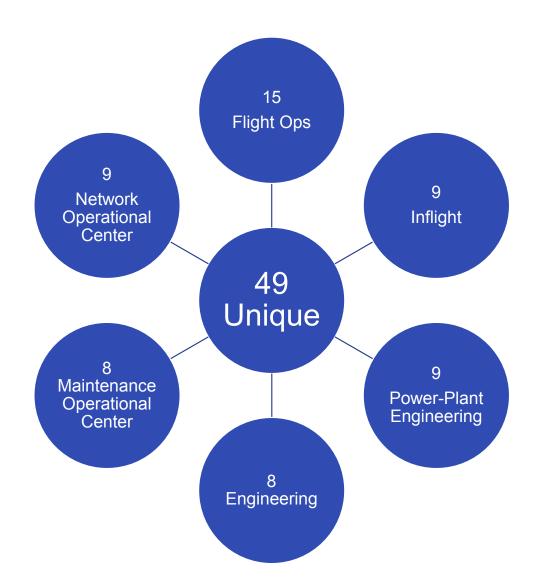








Southwest's Opportunities Workshop Result





So Many Asks, What Do We Do?





Traditional Aviation Model

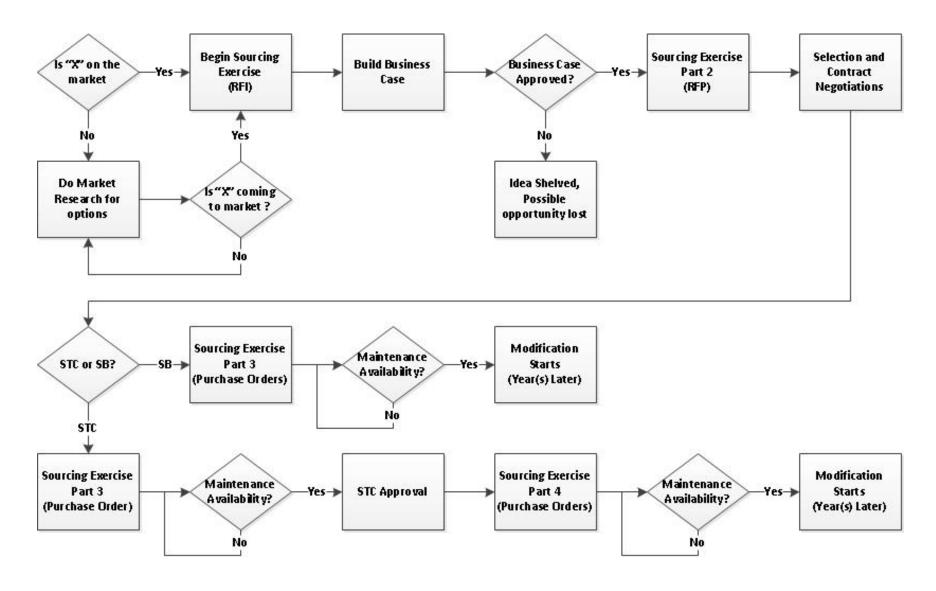
I need the Aircraft to do X



Ok let me get started on that

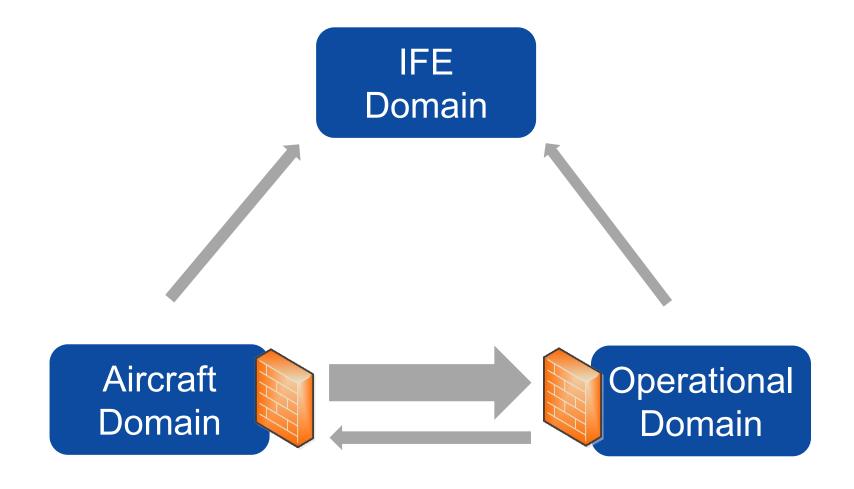


Traditional Aviation Model





The "Connected" Domain Model





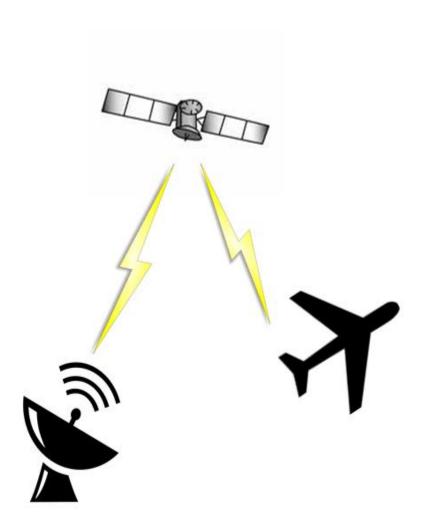
The Aircraft Domain



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The IFE Domain



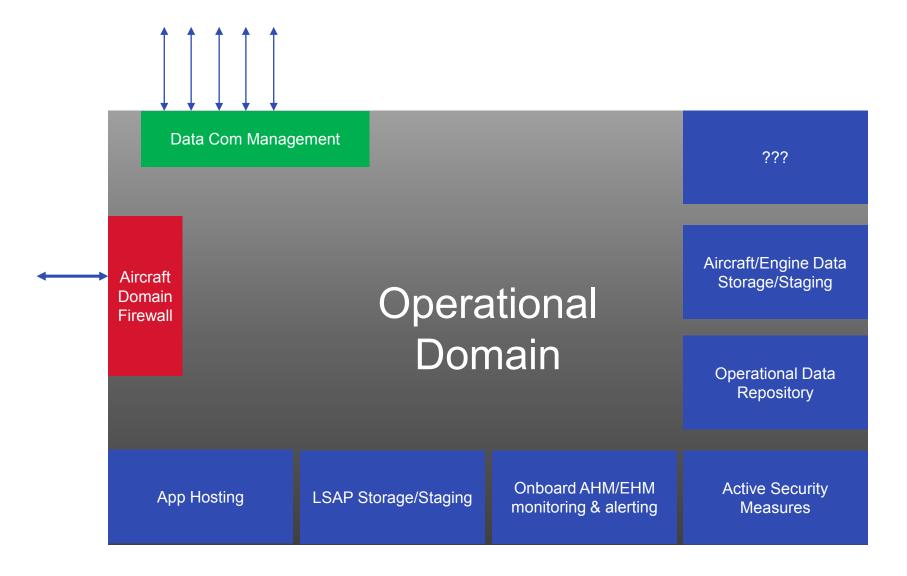


The Current Operational Domain





The Future Operational Domain





"Connected" Domain Model

I need the Aircraft to do X

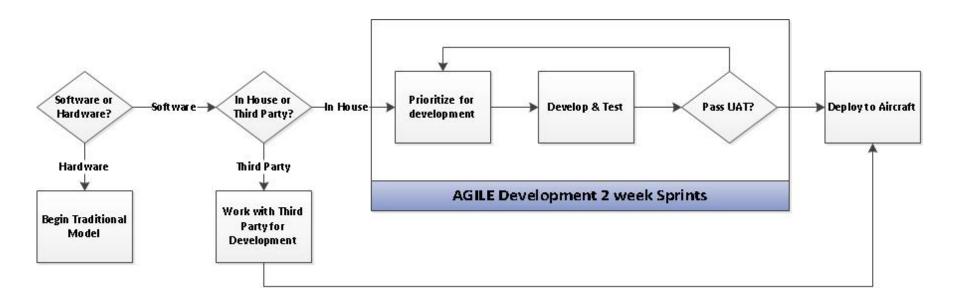


Can that be done with Software and/or existing aircraft data?





"Connected" Domain Model



Key Points of the "Connected" Domains

Operational Domain

- Certified Software when interacting with the Aircraft Domain
- Non-Certified Software for everything else
- Data Communications Management
- Partitioned Data Storage

IFE Domain

- Open to Passengers
- · Remains like current IFE

Connected but separate

Aircraft Domain

- Highly Controlled
- · Software is Certified

All Data is open to the Operator and is owned by the Operator



What Does a "Connected" Aircraft Really Mean?



Connected Domains

Aircraft Domain Operational Domain

Questions

