In Pursuit of Toll Interoperability

Report from the IBTTA Interoperability (IOP) Committee

Martin Stone, Ph.D., AICP, Committee Chairman
Director of Planning
Tampa Hillsborough Expressway Authority
Tampa, Florida

IBTTA Interoperability Sub-Committees

(A) Transponder/Reader Technology

Tom Knuckey (Atkins) + JJ Eden (AECOM) + PJ Wilkins (IAG)

(B) License Plate and Violation Enforcement

Dave Kristick (E-470) + Rosa Rountree (Aegis)

(C) Transaction Settlement

Jack Opiola (D'artagnan) + JJ Eden (AECOM/ATI)

(D) The Business Case

Scott Stewart (IBI) = Ed Regan (Wilbur Smith)

(E) Operations/Implementation

Tim McGuckin (OmniAir) = Greg Lefrois (HNTB)

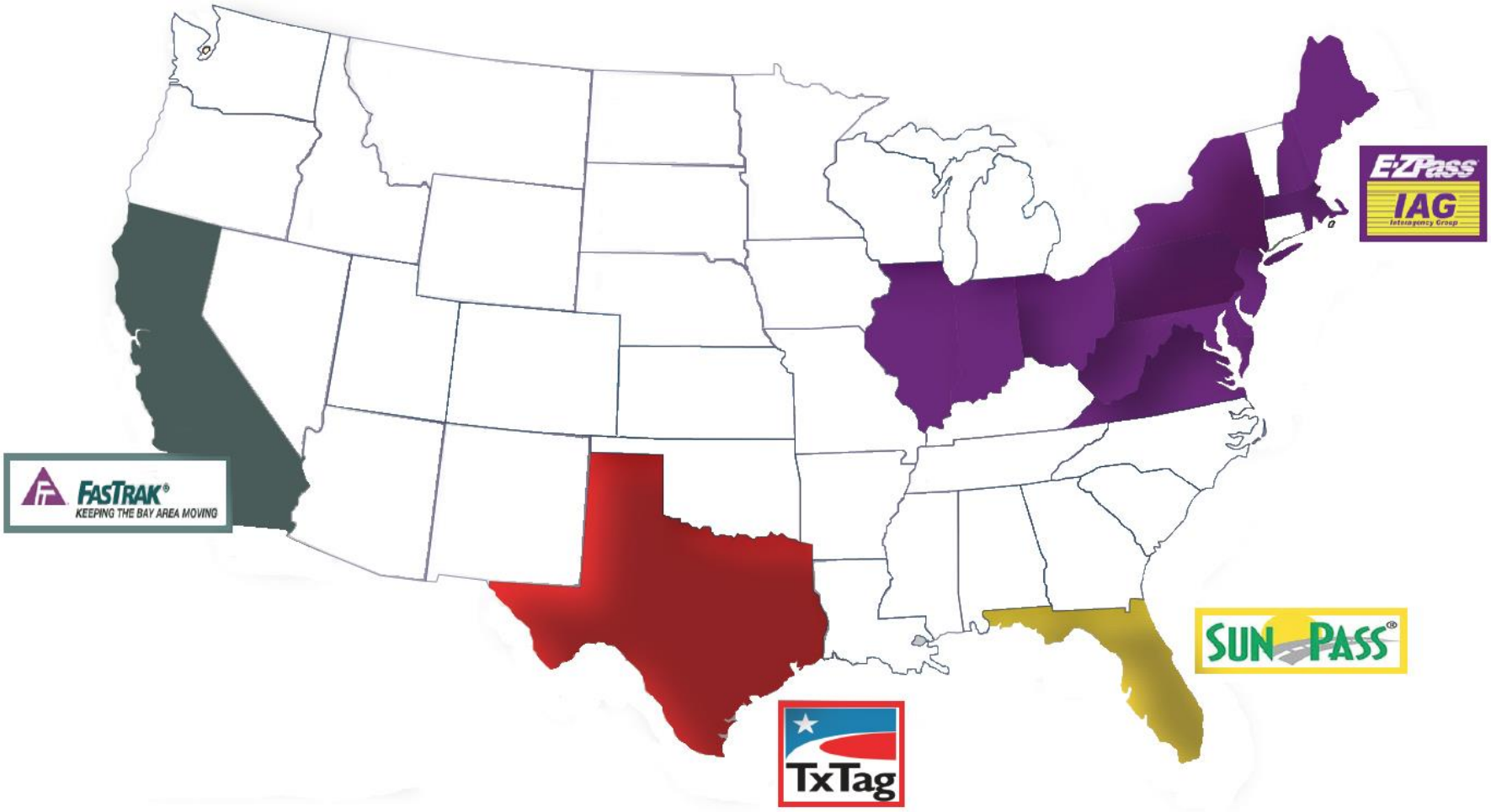
Steering Committee – Vision and Plan

Where Are We?

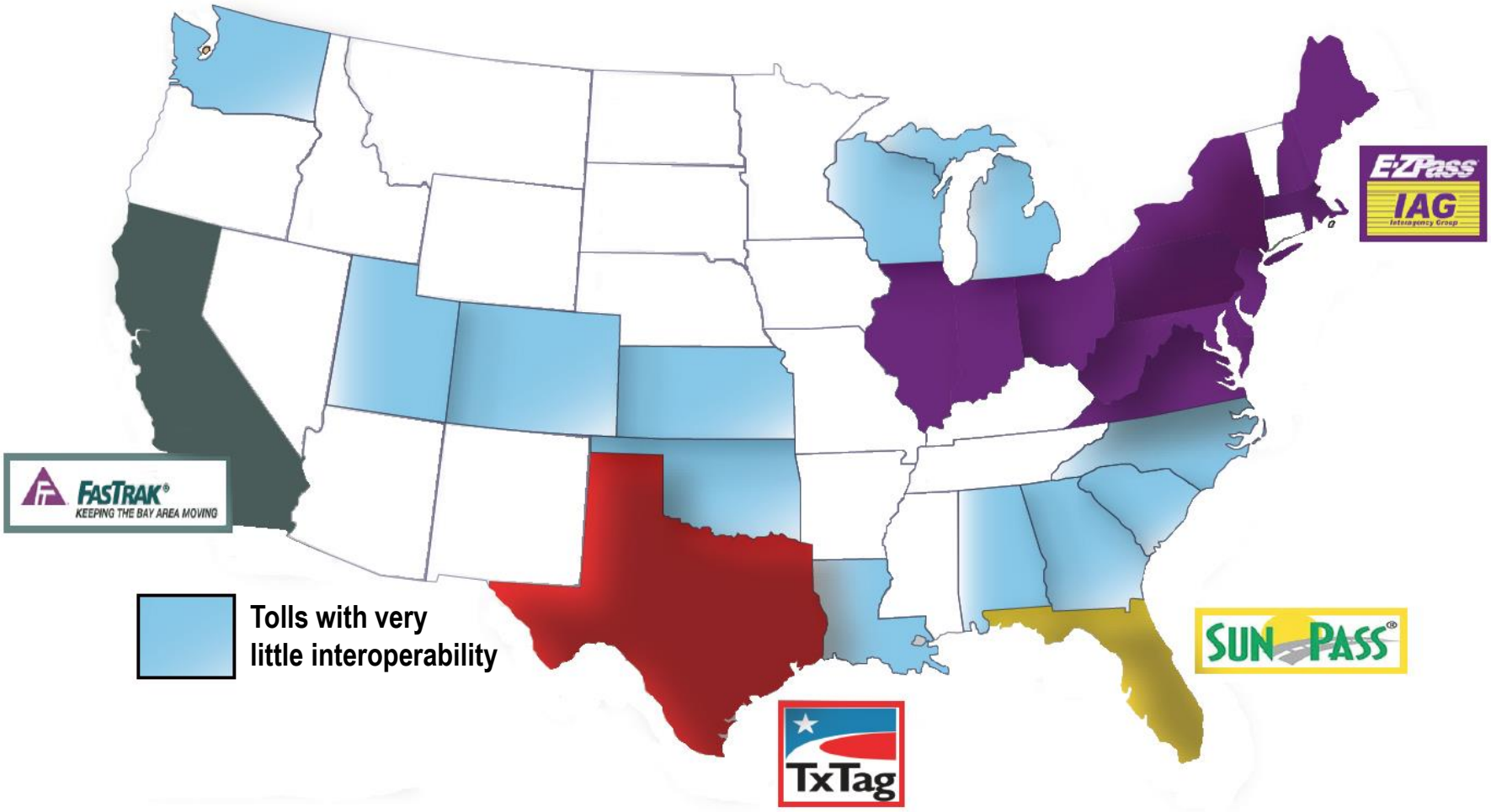
Where Are We Going?

How Are We Going to Get There?

Where Are We?


FasTrak®
KEEPING THE BAY AREA MOVING
E-ZPass
IAG
Interagency Group
SUN PASS®
TxTag

Where Are We?


E-ZPass
IAG
Interagency Group
FASTRAK®
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SUN PASS®
TxTag
Tolls with very
little interoperability

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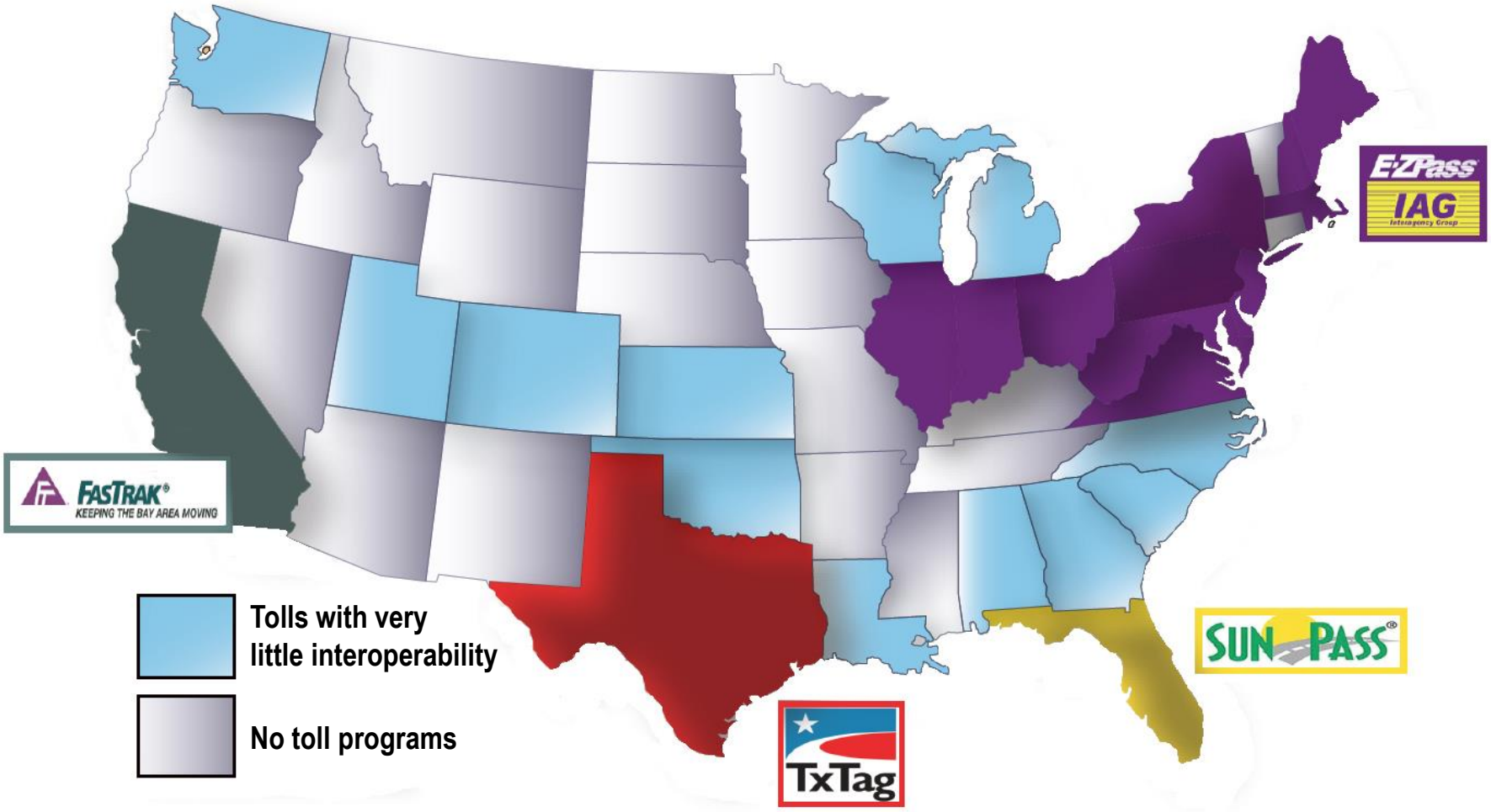
E-ZPass
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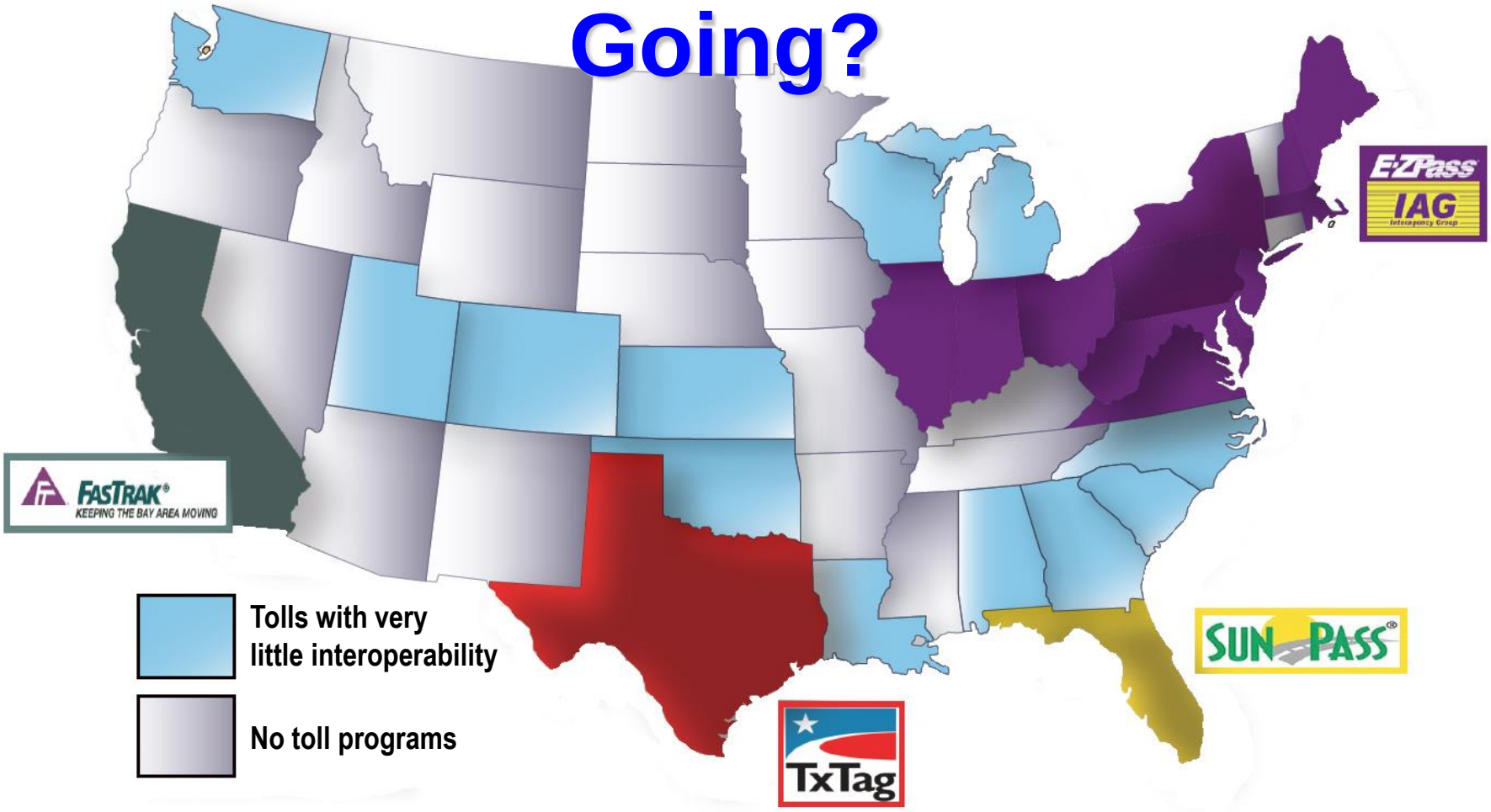
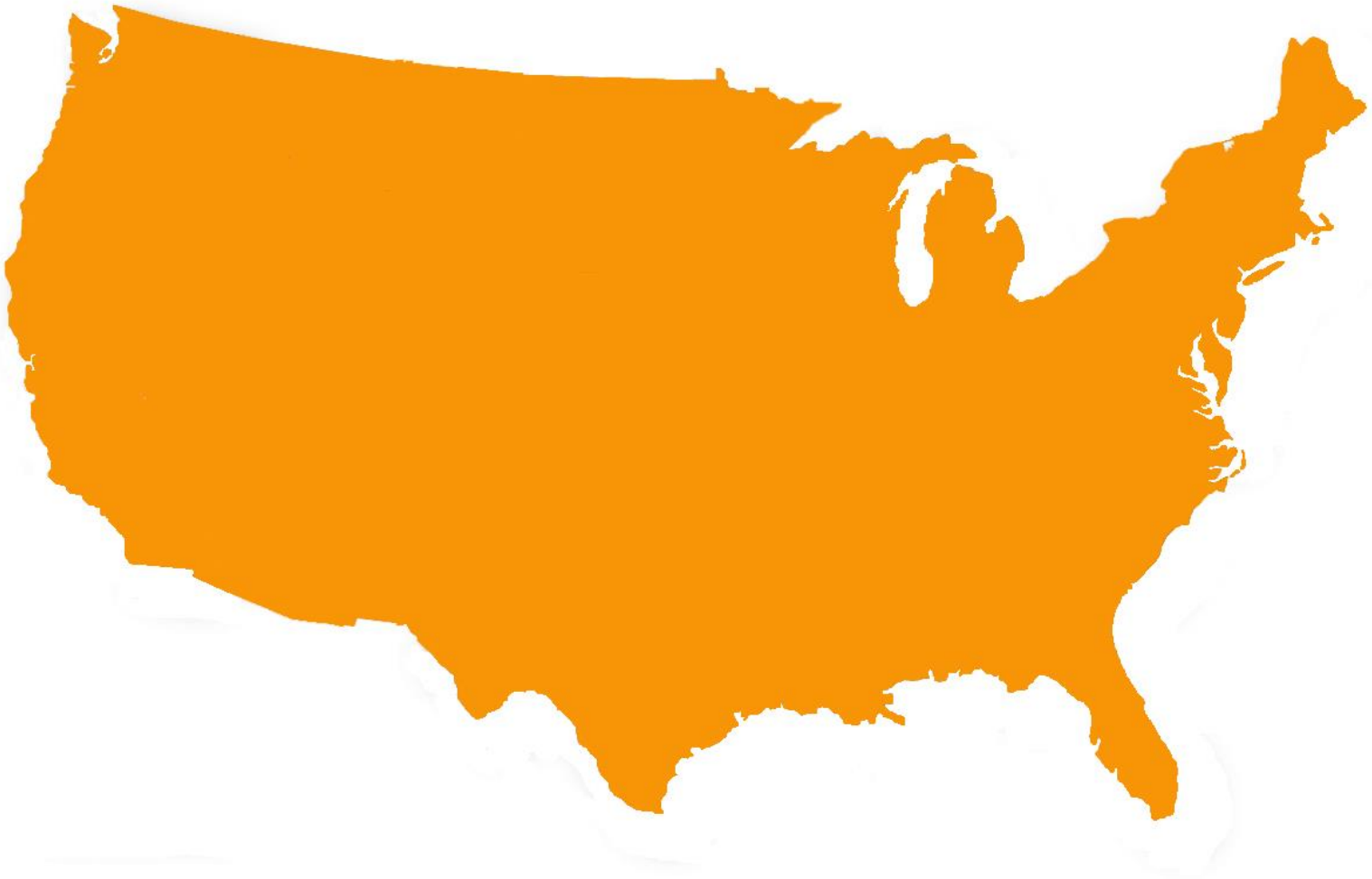
SUN PASS®
TxTag
Tolls with very little interoperability
No toll programs

Where Are We Going?



Where Are We Going?

Interoperability means…



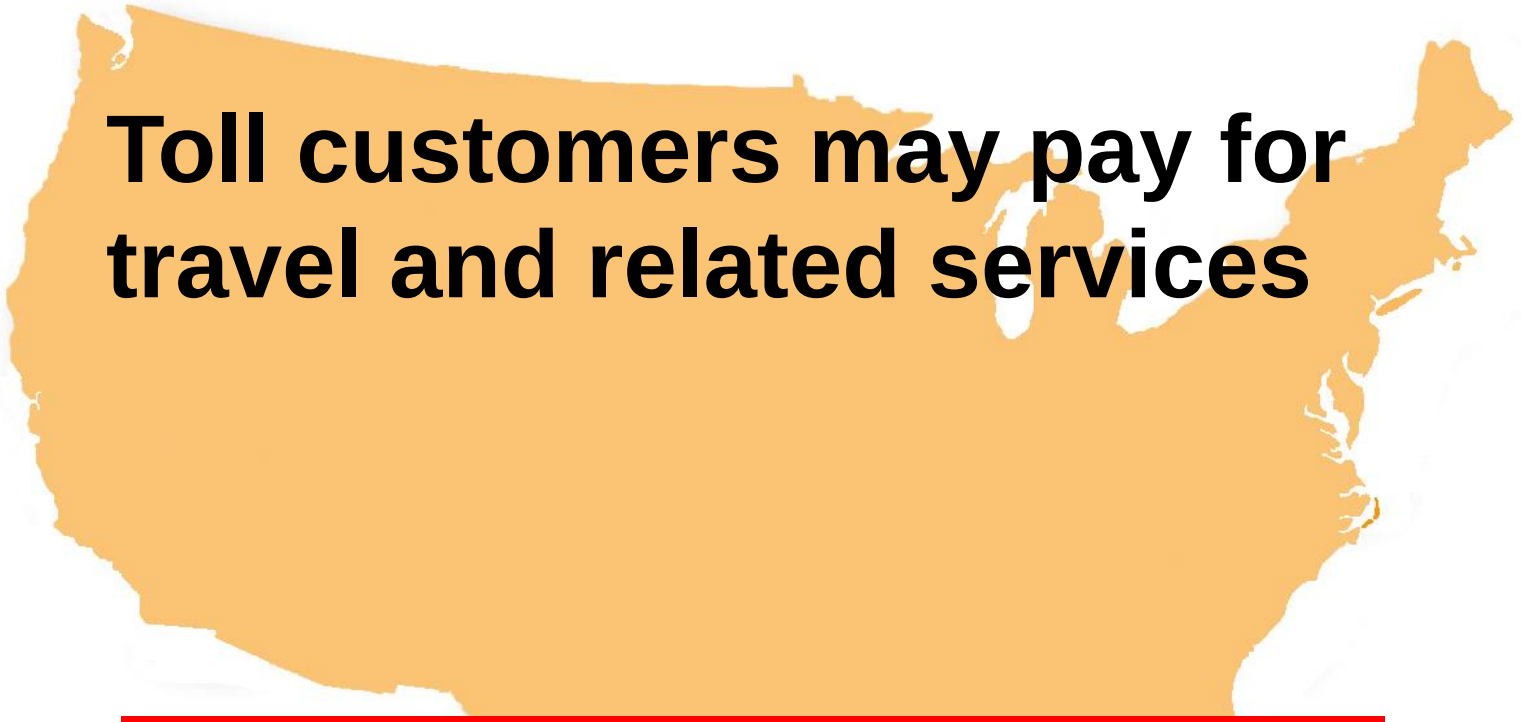
Interoperability means…

Interoperability means…

Toll customers

Drivers or vehicle & business owners who are willing to pay

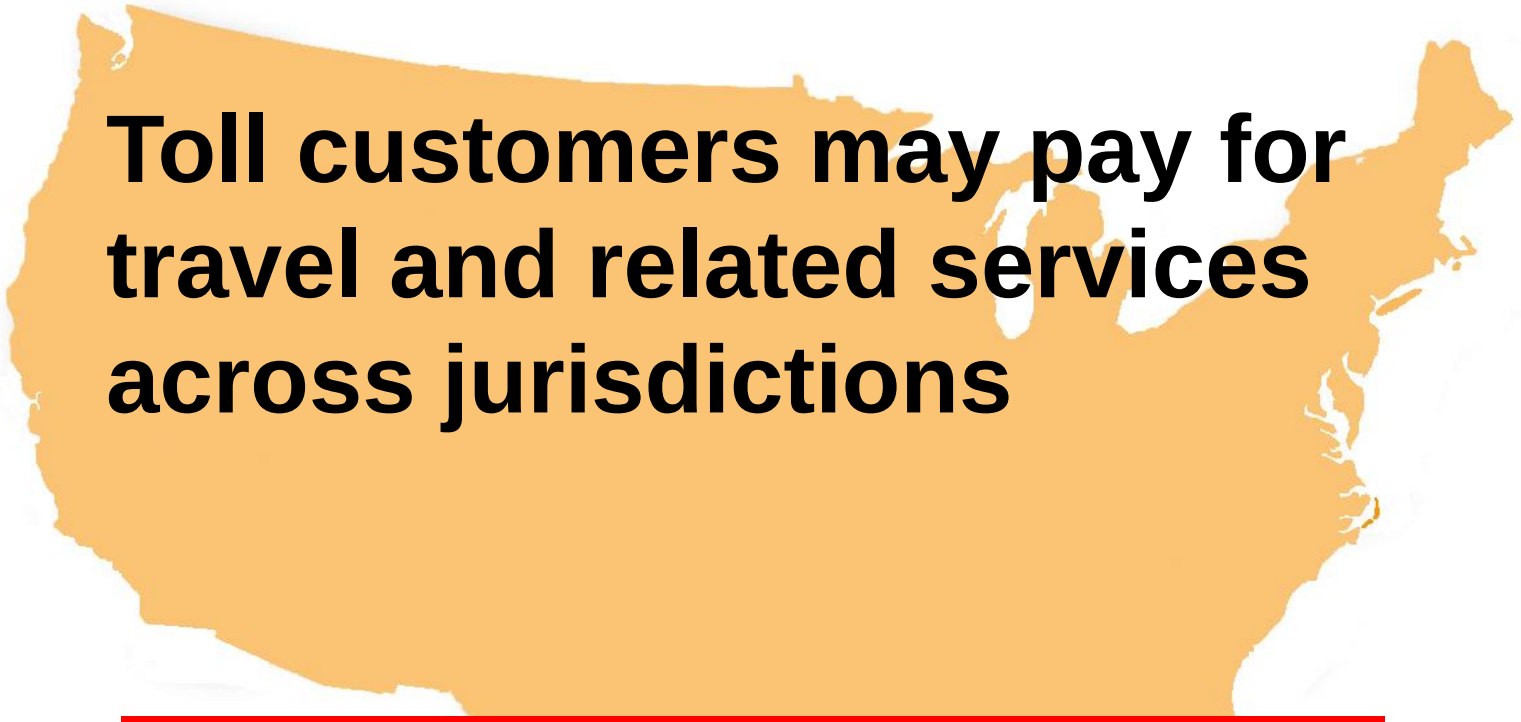
Interoperability means…



Toll customers may pay for travel and related services

Fees for roadways, bridges, tunnels, managed lanes as well as parking, food, gas, etc.

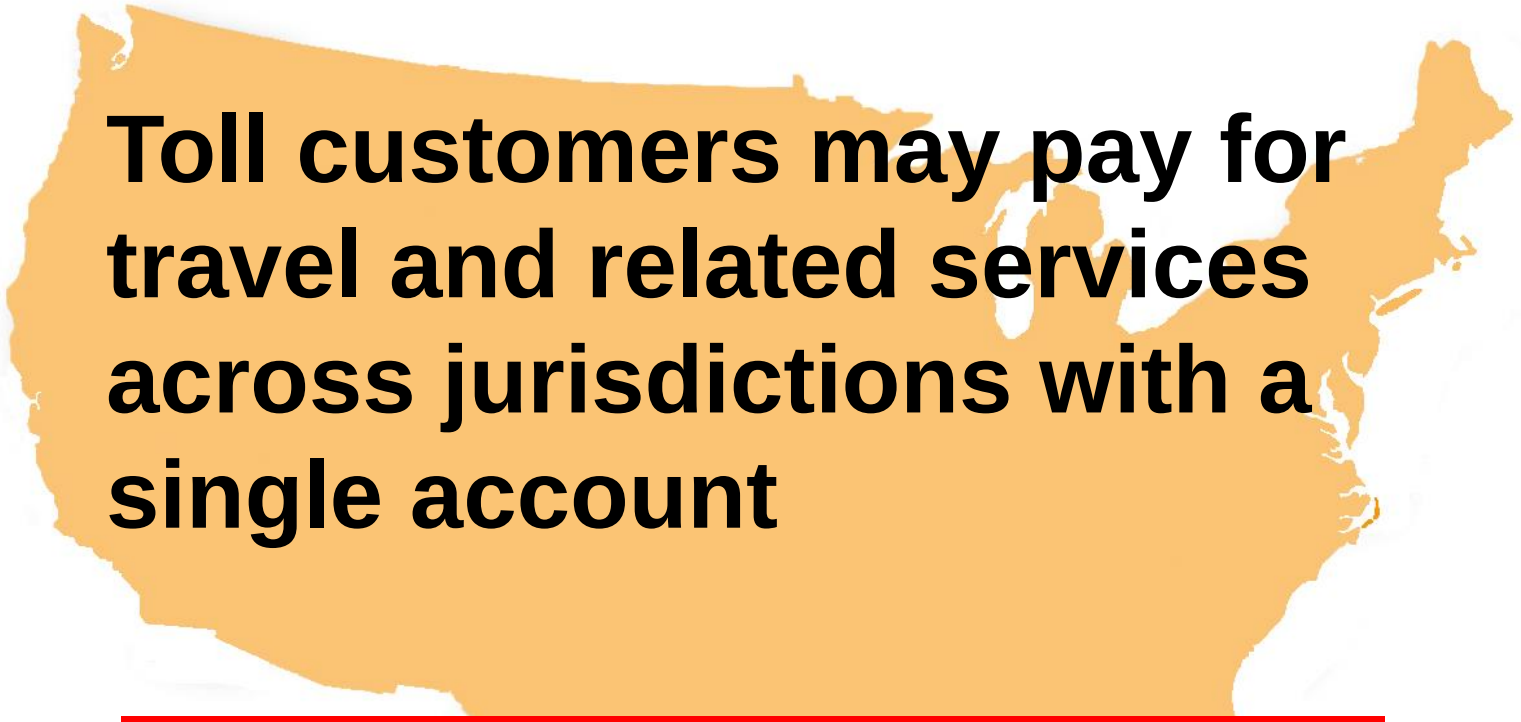
Interoperability means…



Toll customers may pay for travel and related services across jurisdictions

Countries, regions, states (interstate and intrastate), counties, cities, and agencies

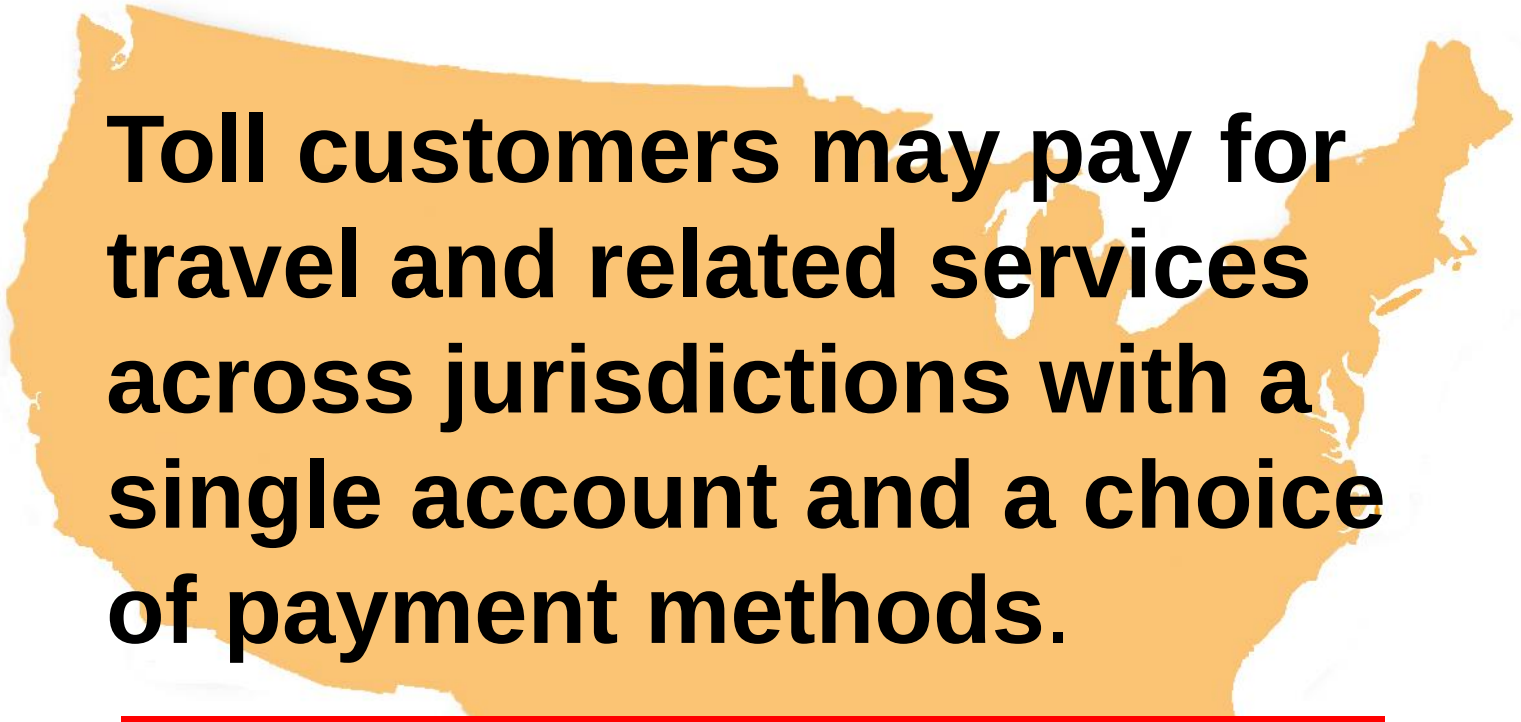
Interoperability means…



Toll customers may pay for travel and related services across jurisdictions with a single account

One account - serviced by a transaction settlement system open to multiple providers

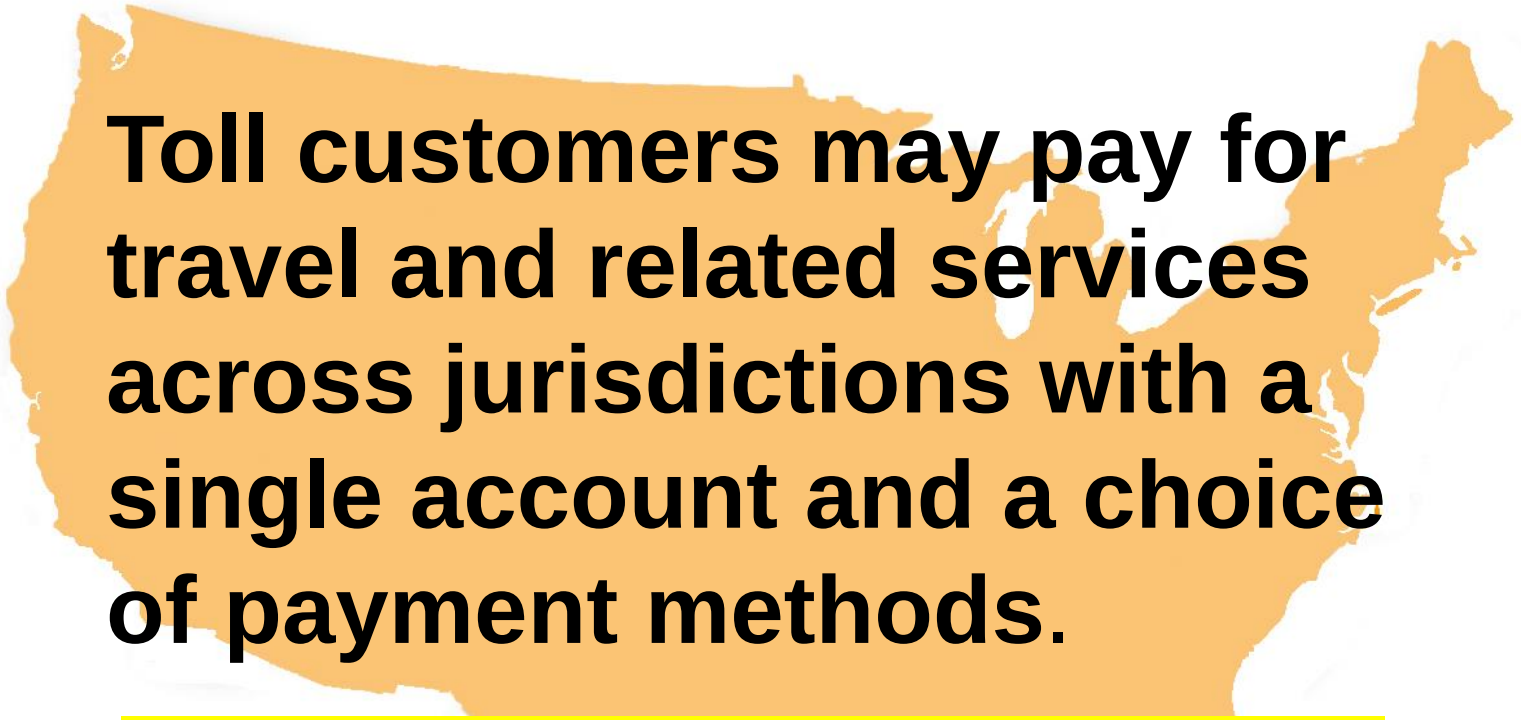
Interoperability means…



Toll customers may pay for travel and related services across jurisdictions with a single account and a choice of payment methods.

Customers choose multiple payment options offered by account & service providers

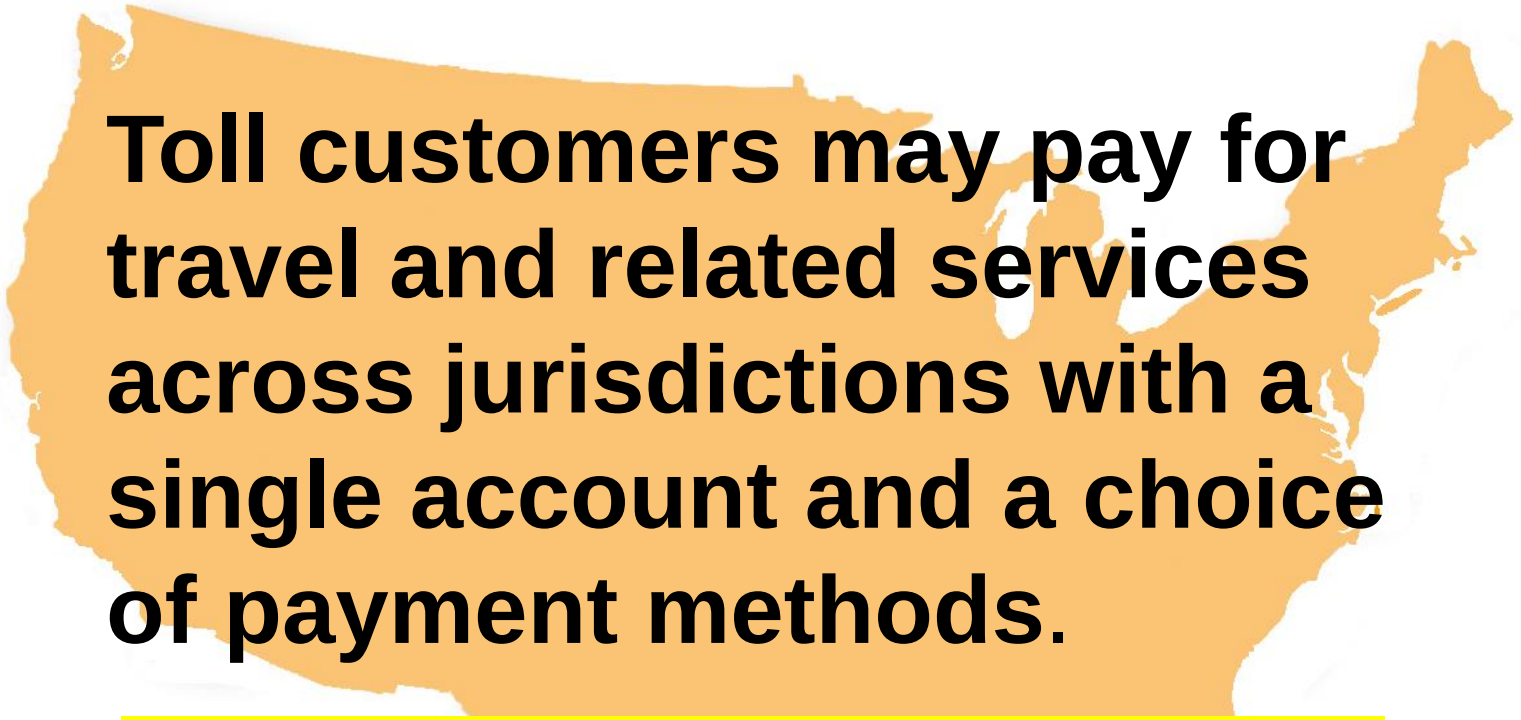
Interoperability means…



Toll customers may pay for travel and related services across jurisdictions with a single account and a choice of payment methods.

Your Toll Account is Accepted Here.

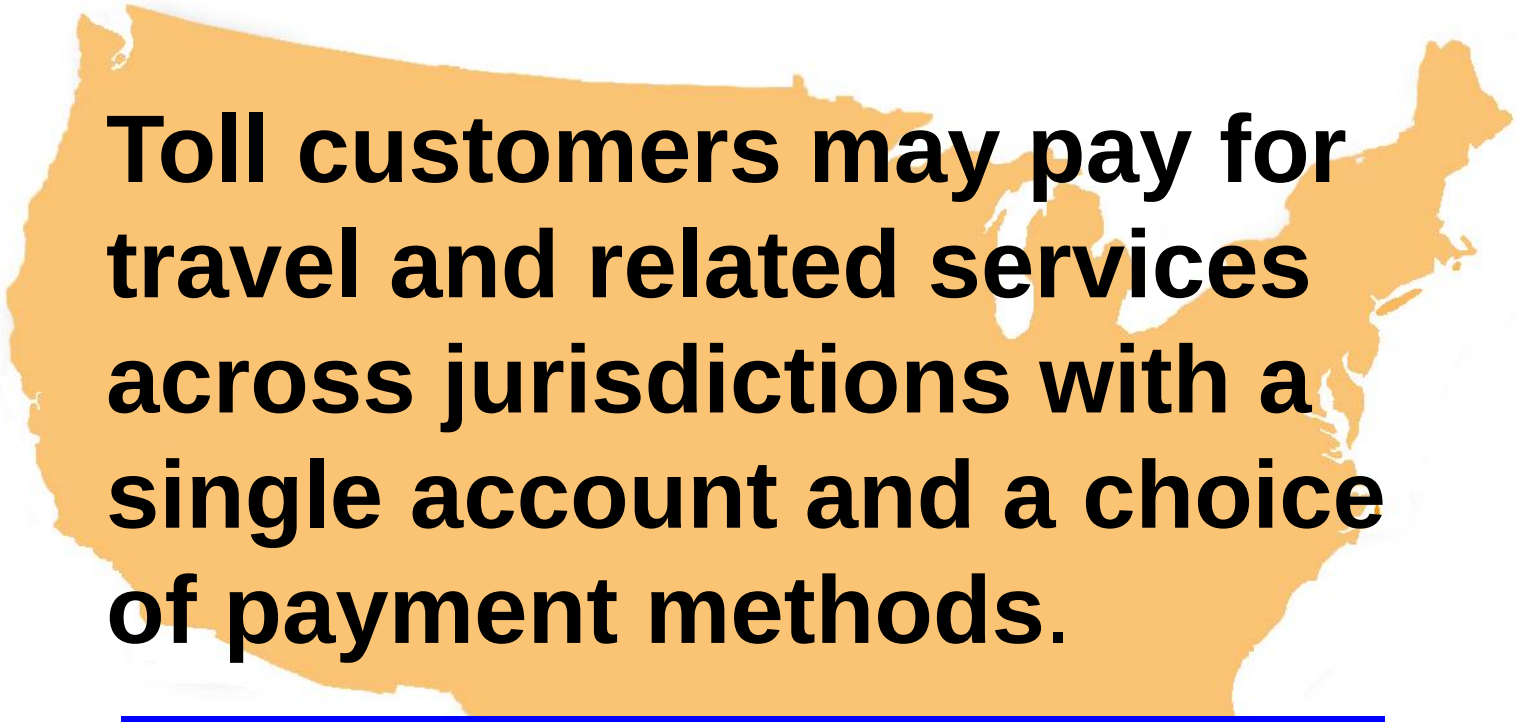
Interoperability means…



Toll customers may pay for travel and related services across jurisdictions with a single account and a choice of payment methods.

No Account? We <u>will</u> find you and collect.

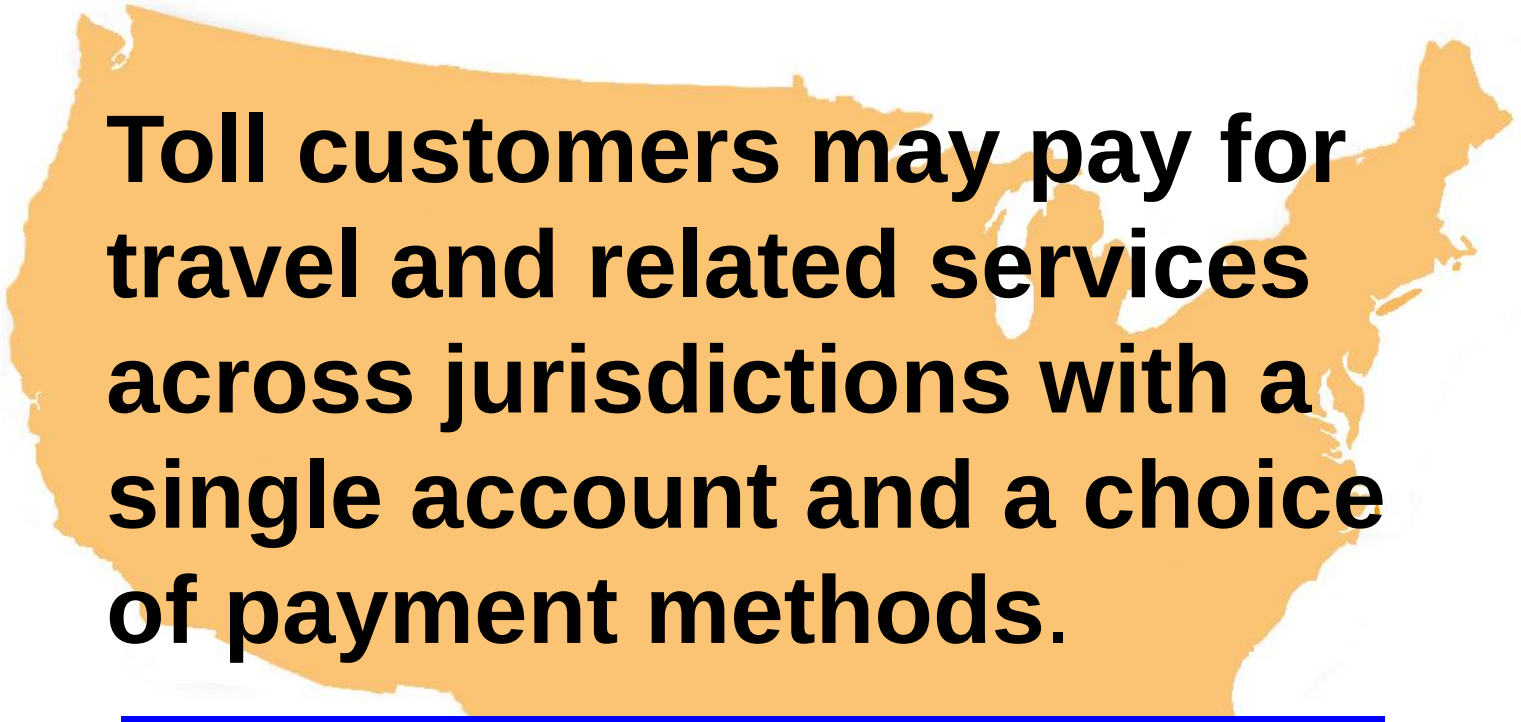
Interoperability means…



Toll customers may pay for travel and related services across jurisdictions with a single account and a choice of payment methods.

Toll operators must have choices of identification & payment technologies based on open standards

Interoperability means…

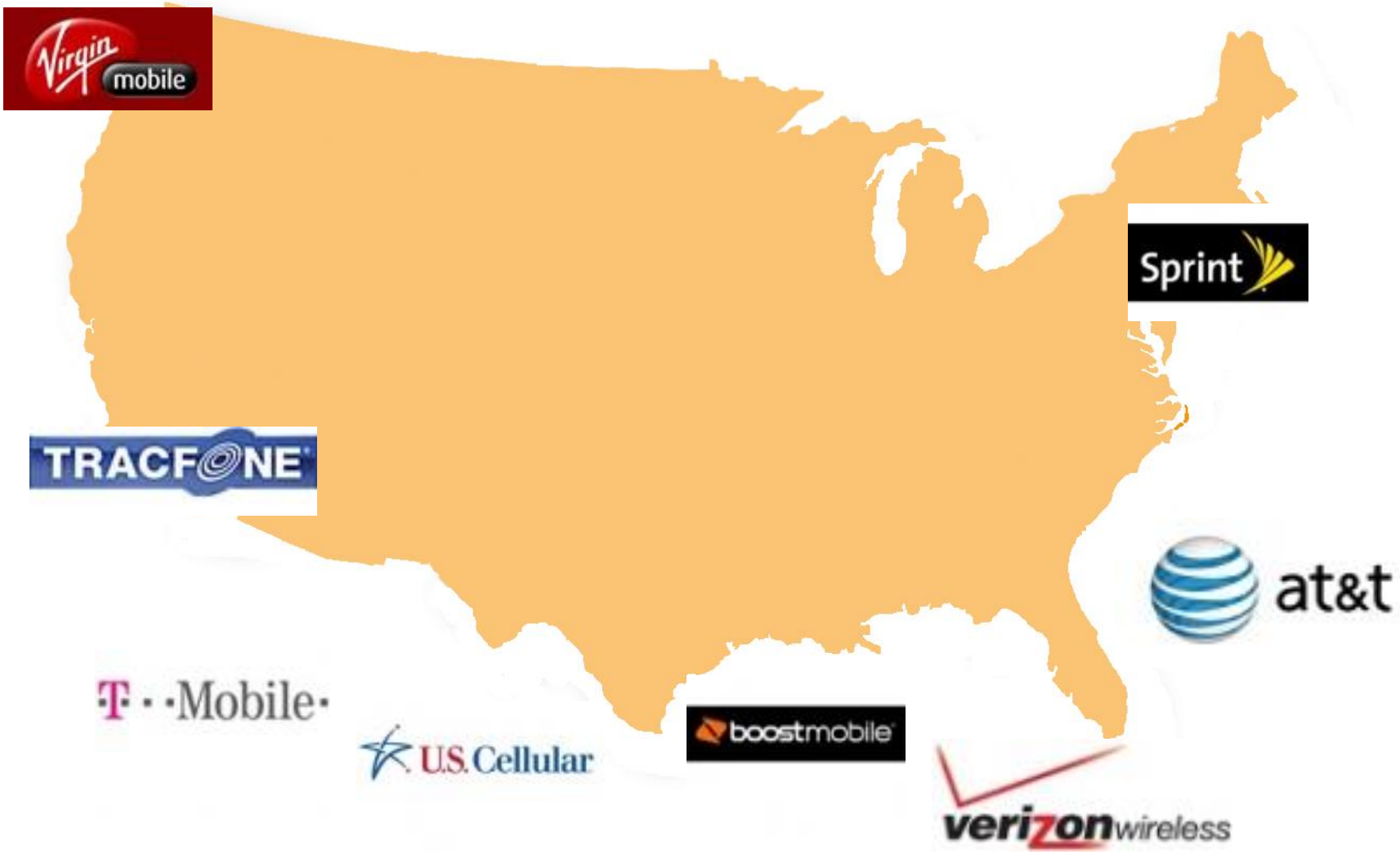


Toll customers may pay for travel and related services across jurisdictions with a single account and a choice of payment methods.

COMPETITIVE ENVIRONMENT

Interoperability means…

Interoperability means…



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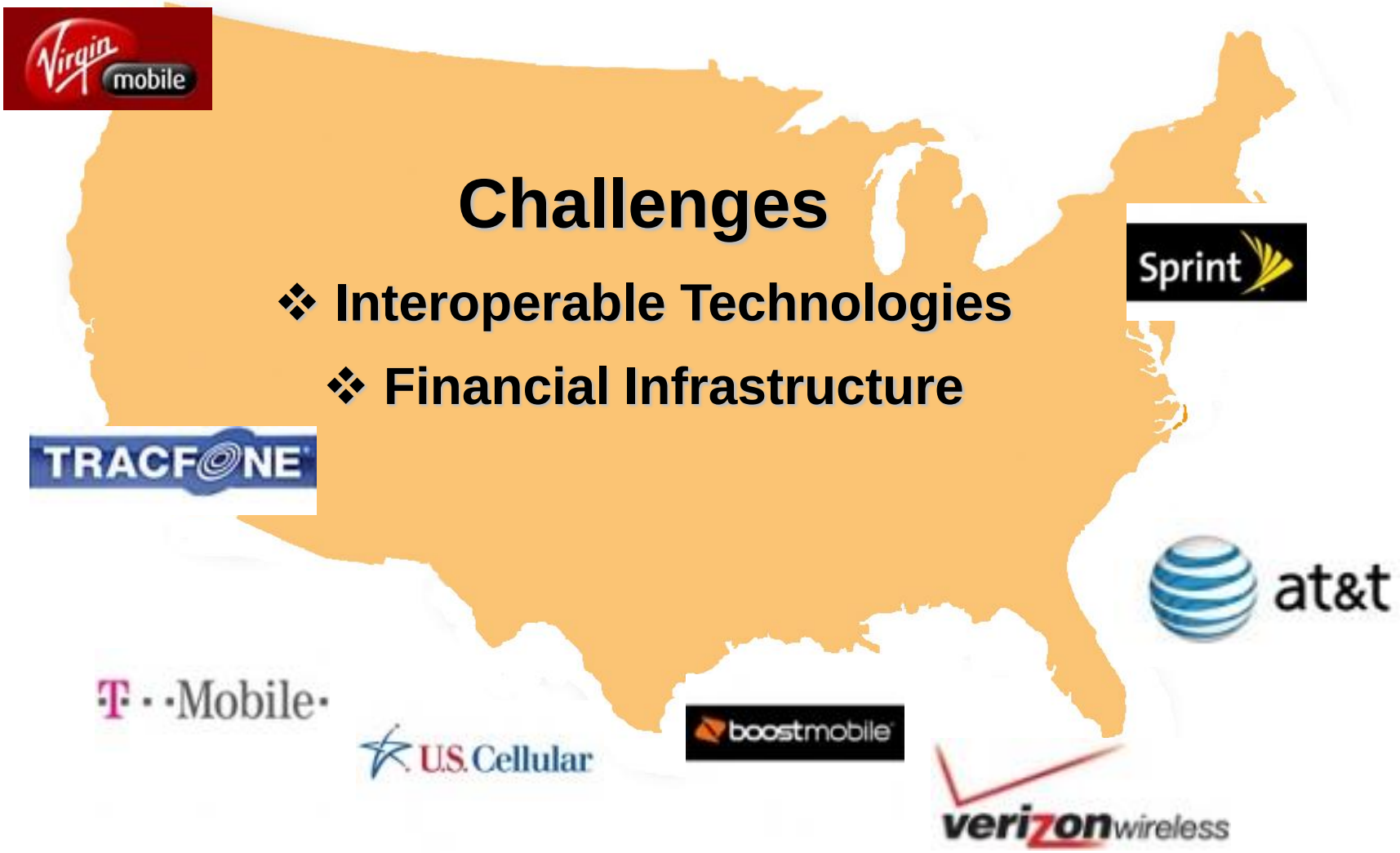


Interoperability means…

Virgin mobile

Sprint

TRACFONE

at&t

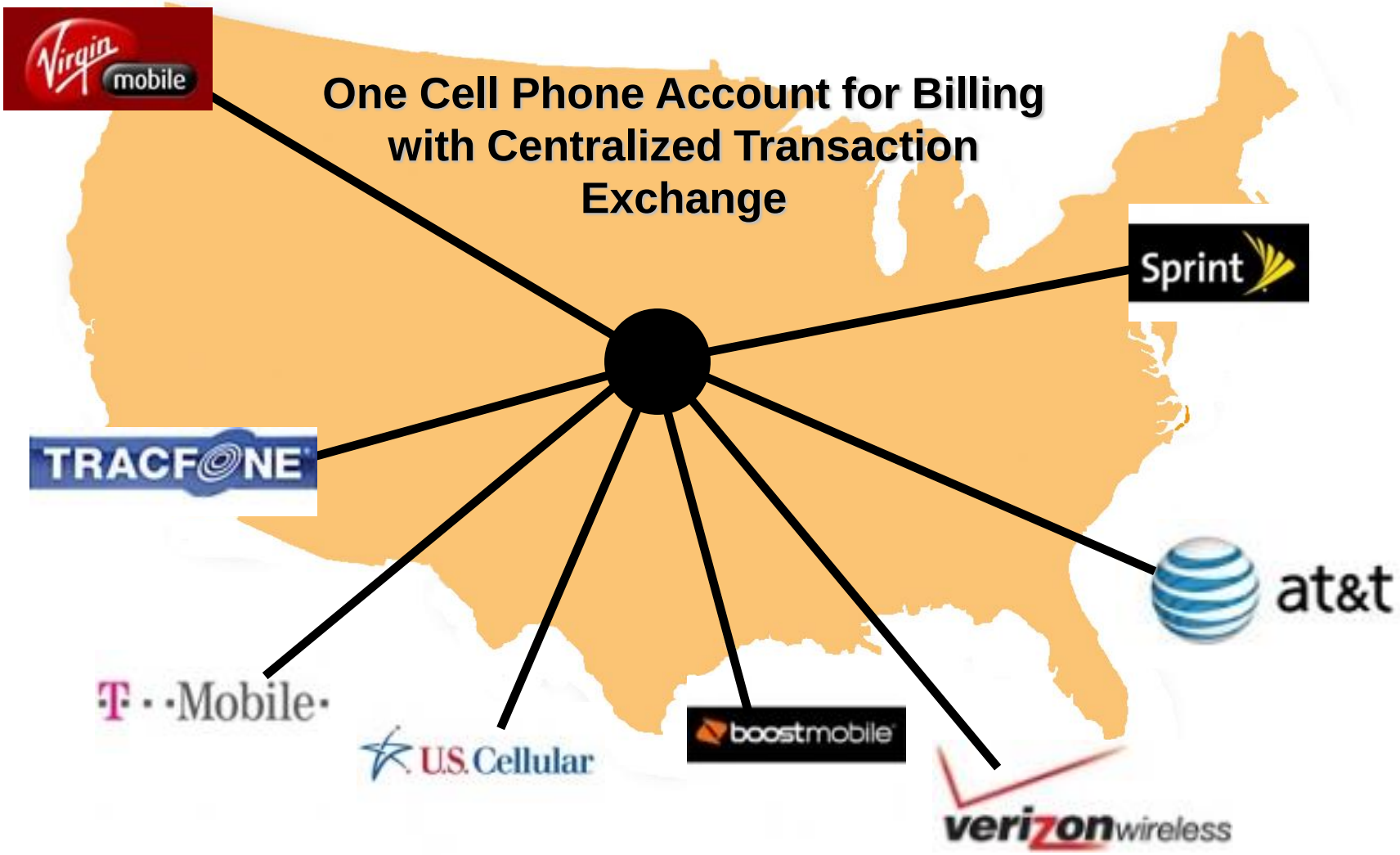
T··Mobile·

U.S.Cellular

boostmobile

verizonwireless

Interoperability means…



Interoperability means…

Can We Learn from the Cell Phone Industry?

Interoperability means…

Can We Learn from the Cell Phone Industry?

❖ **Interoperable Technologies**

- Multi-Protocol Readers
- Open-Protocol Tags
- Other Technologies

Interoperability means…

Can We Learn from the Cell Phone Industry?

- Interoperable Technologies
- Financial Infrastructure

Interoperability means…

Financial Infrastructure for Tolls

- Video Information Exchange
- Transaction Clearing & Settlement
- Violation Enforcement Support
- Basic Operating Rules & Standards

Interoperability means…

National Transportation Account?

Interoperability means…

National Transportation Account?

or

Toll Industry Application?

How are we going to get there?

Coordination and Collaboration

- IBTTA IOP Committee
- ATI
- OmniAir
- I-95 Coalition
- US House Transportation Committee
- USDOT/FHWA
- AAMVA
- States, Regions & Agencies

  Involved in Testing and Transponder/Reader Procurements for various technologies including 18000 6C (WashDot, Utah DOT, GDOT/SRTA, E-470, IAG, FLA, etc.)

CONTACT

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