

# **In Pursuit of Toll Interoperability**

## **Report from the IBTTA Interoperability (IOP) Committee**

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**Where Are We?**

**Where Are We Going?**

**How Are We Going  
to Get There?**

# Where Are We?





# Where Are We?







# Where Are We Going?





# Interoperability means...

**Toll customers**

**Drivers or vehicle & business owners who are willing to pay**

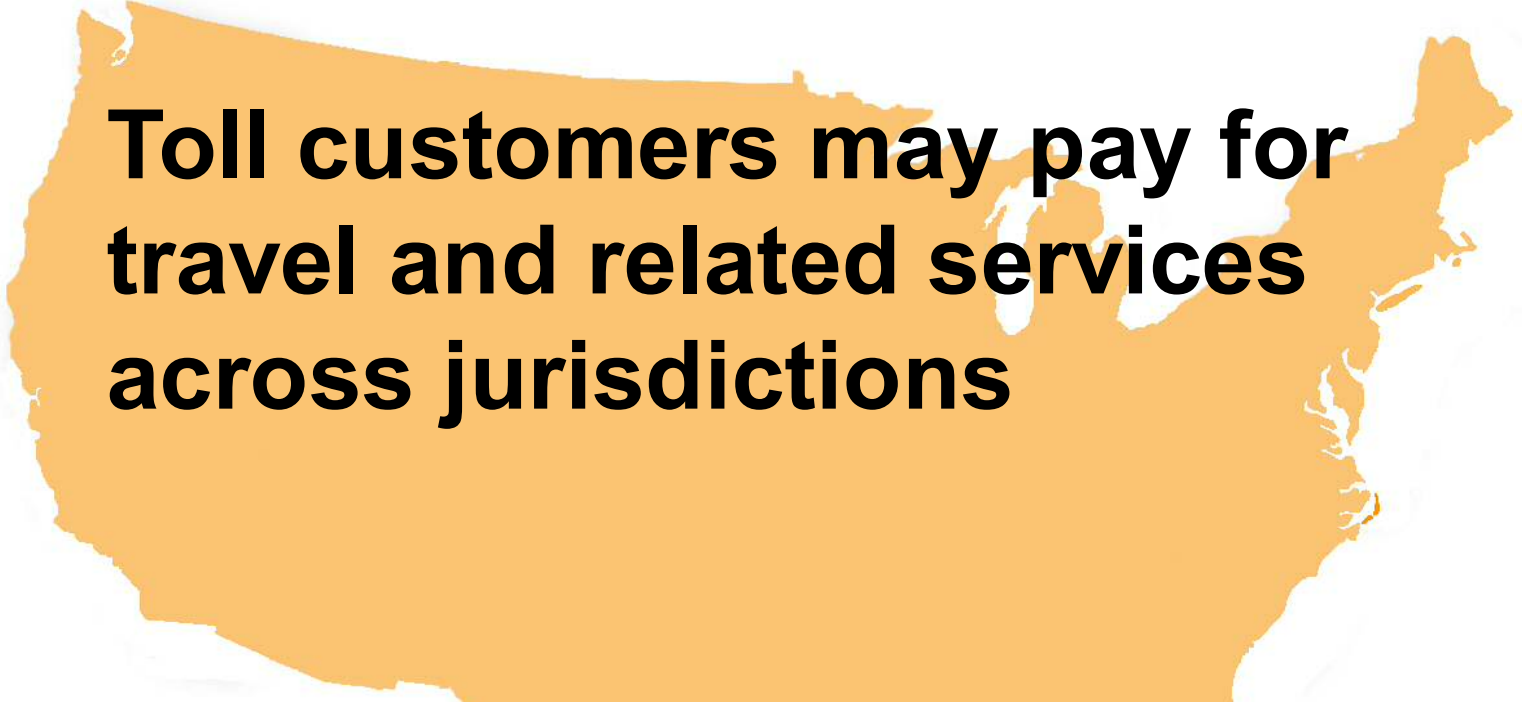
## **Interoperability means...**

A light orange map of the United States is positioned behind the text. The map shows the outline of the country, including the states and the Gulf of Mexico to the south.

**Toll customers may pay for travel and related services**

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

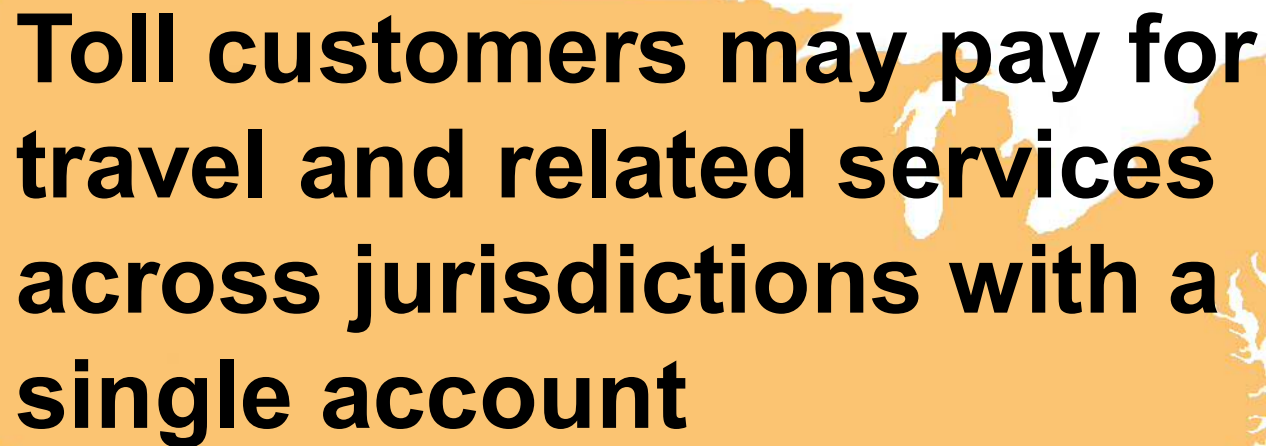
## **Interoperability means...**

A light orange map of the United States is positioned behind the text. The map shows the outline of the country with some internal state boundaries faintly visible.

**Toll customers may pay for travel and related services across jurisdictions**

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

## **Interoperability means...**

A stylized orange map of the United States with a torn paper edge effect, serving as a background for the text.

**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 will 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...



# Interoperability means...



## Challenges

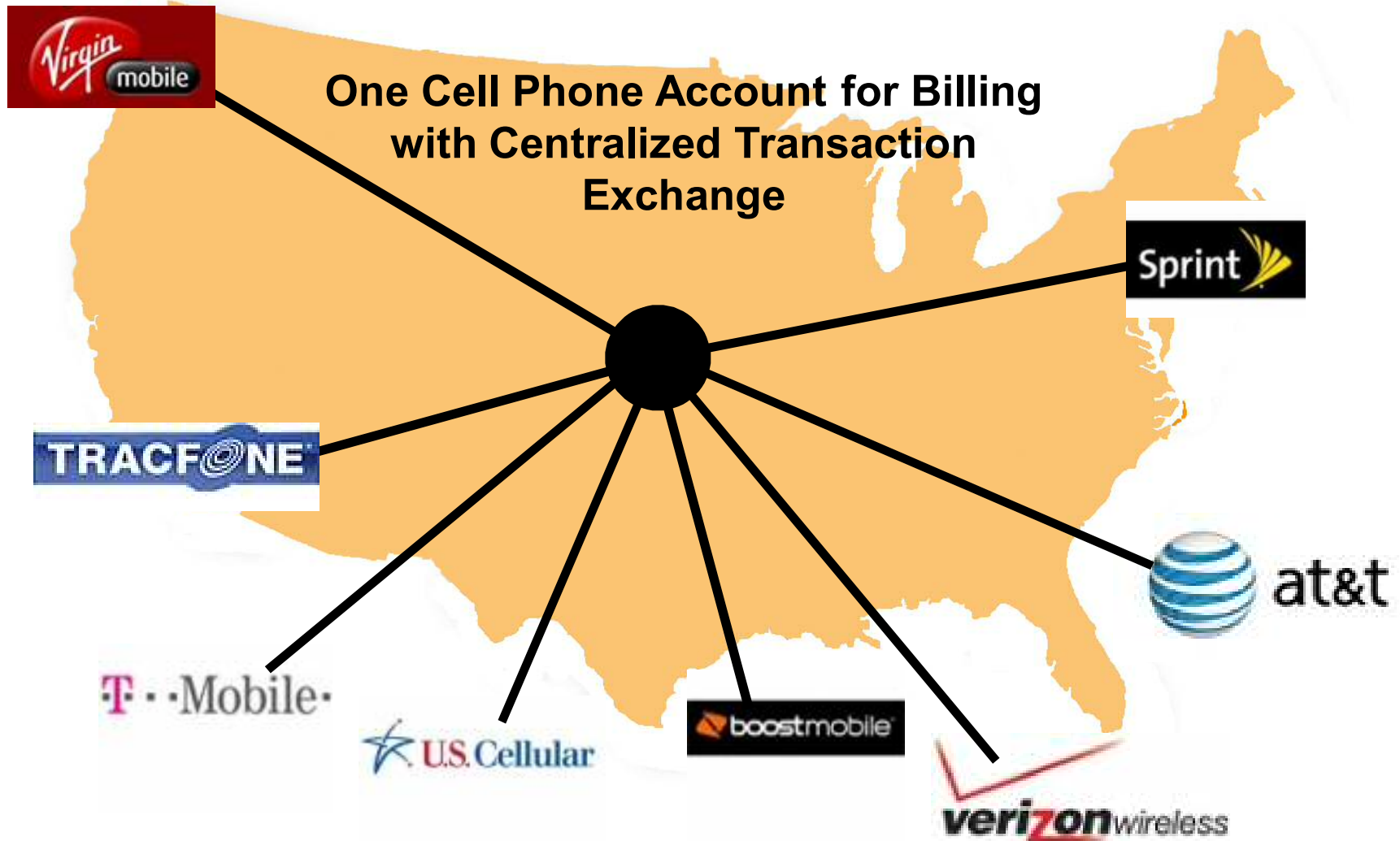
- ❖ Interoperable Technologies
- ❖ Financial Infrastructure



# Interoperability means...



# Interoperability means...



# 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?**



**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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