



CENTRAL TEXAS  
Regional Mobility Authority

# History of Texas Interoperability

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Tim Reilly  
Director of Operations

7/21/2014

# Timeline

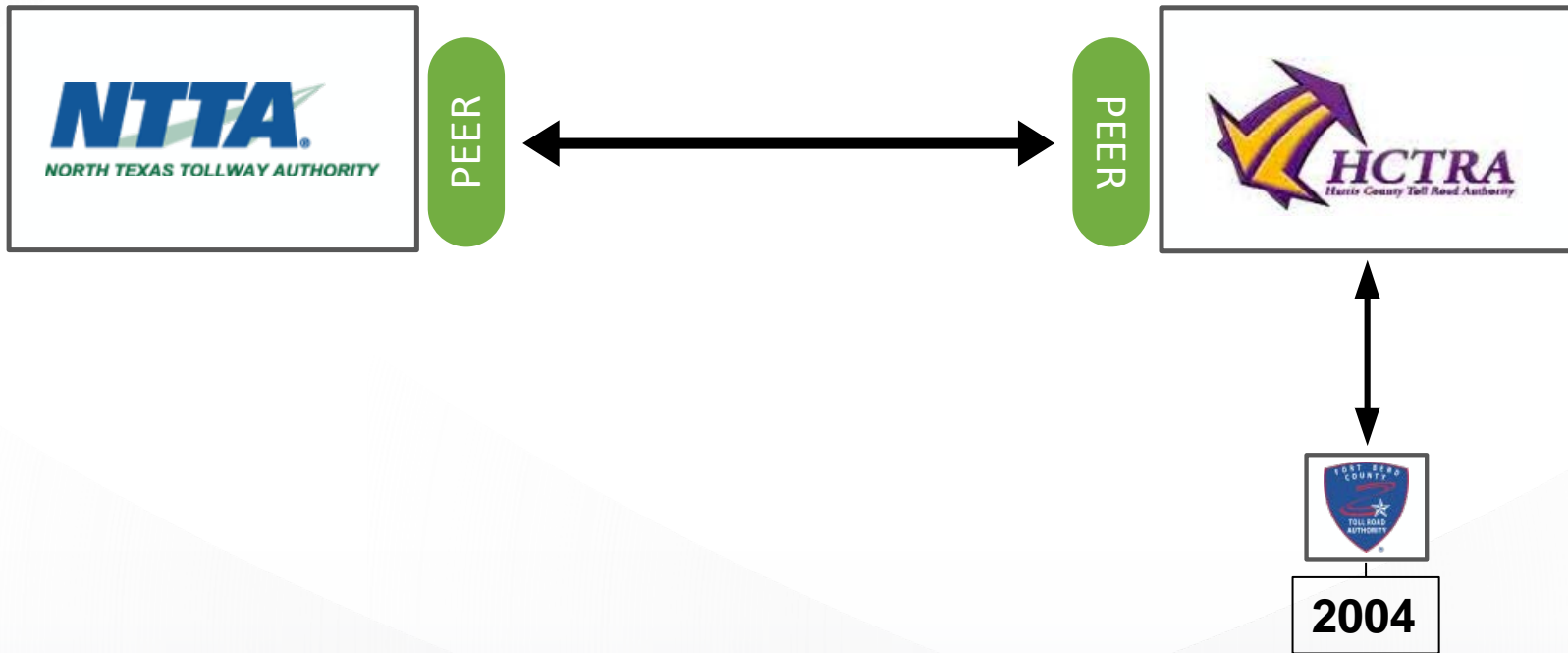


2003



**2003 – NTTA & HCTRA become Interoperable via peer-to-peer**

# Interoperability Infrastructure



# Timeline



2003



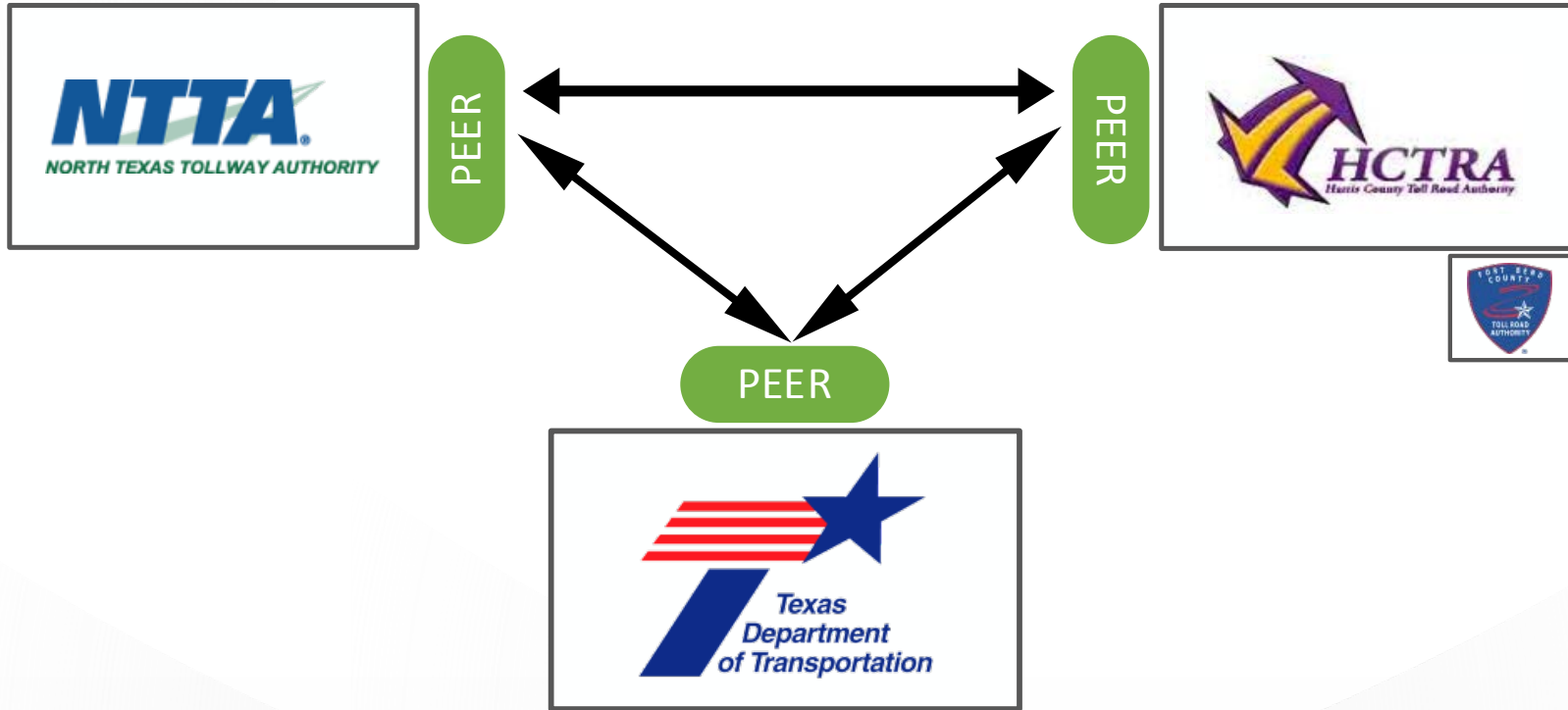
2006



**2006 – TxDOT becomes Interoperable via peer-to-peer**



# Interoperability Infrastructure



# Timeline



2003



Sept  
2006

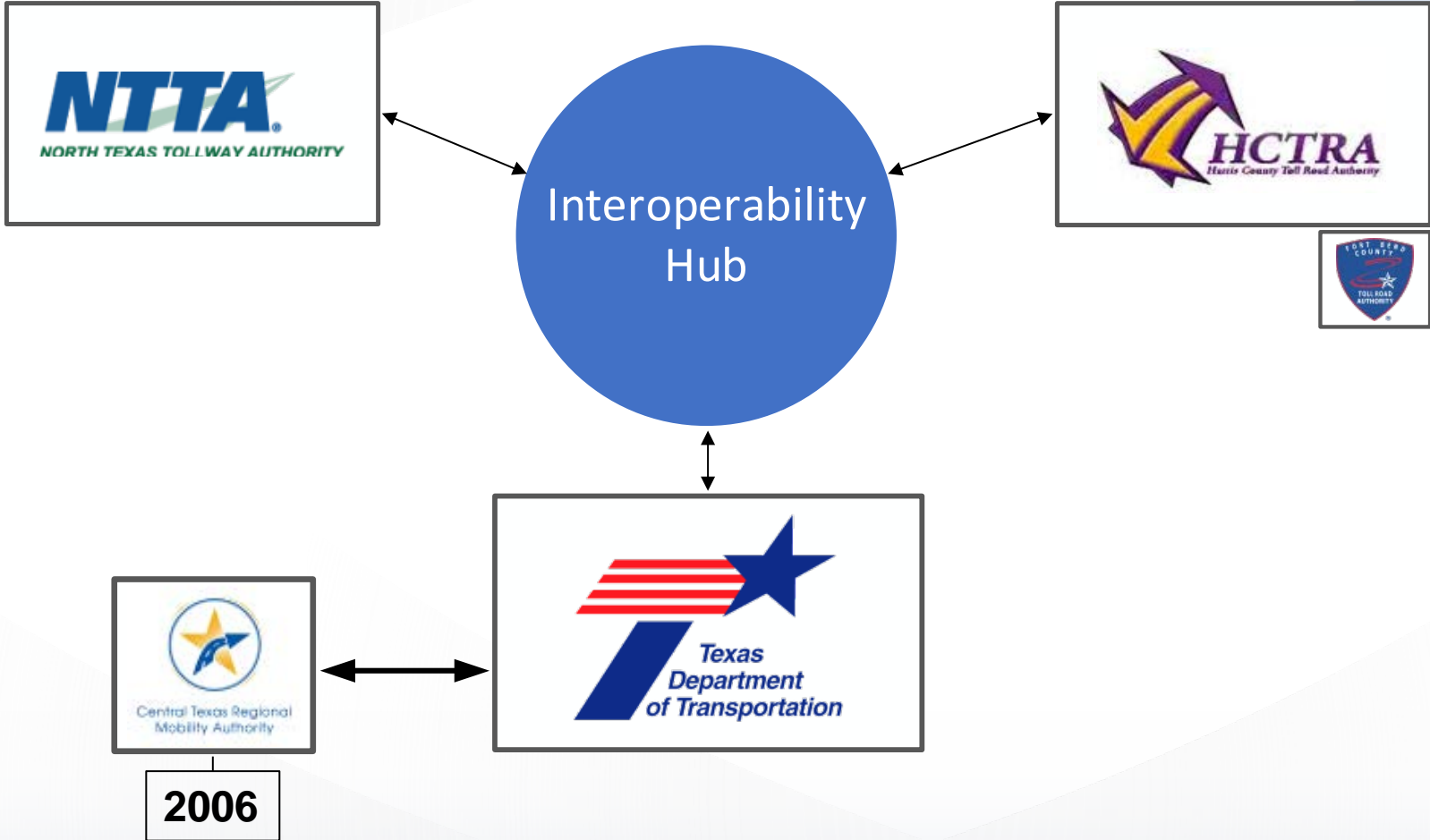


April  
2006



**Sept. 2006 – The Texas Interoperable Hub is deployed**

# Interoperability Infrastructure



# Timeline



2003



Sept  
2006



April  
2006

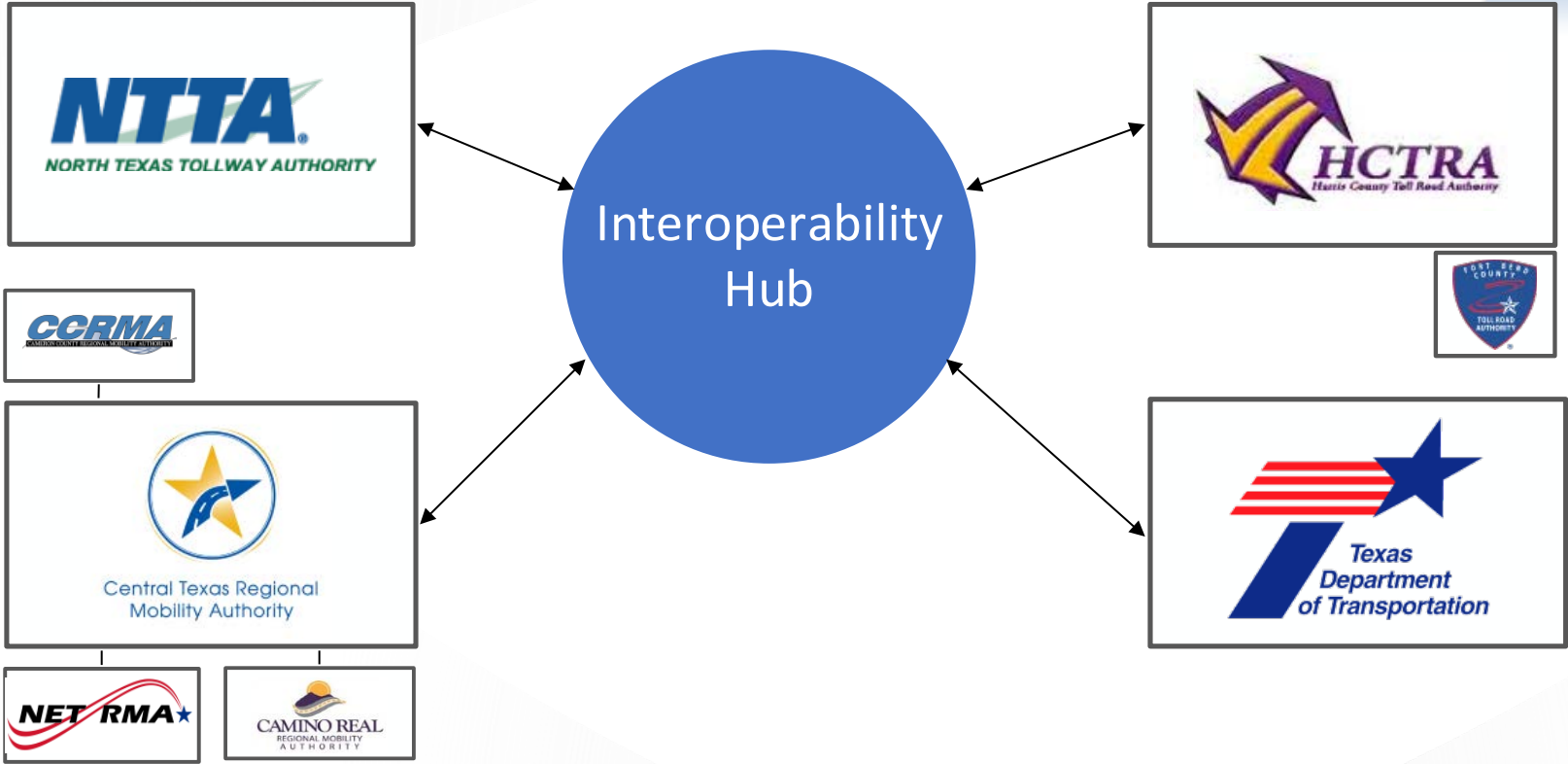
2007



**2007 – Central Texas RMA joins the IOPHUB as a full partner**



# Interoperability Infrastructure



- 2011 - Cameron County RMA
- 2013 - North East Texas RMA
- 2014 - Camino Real RMA

# Timeline



2003



Sept  
2006



2007



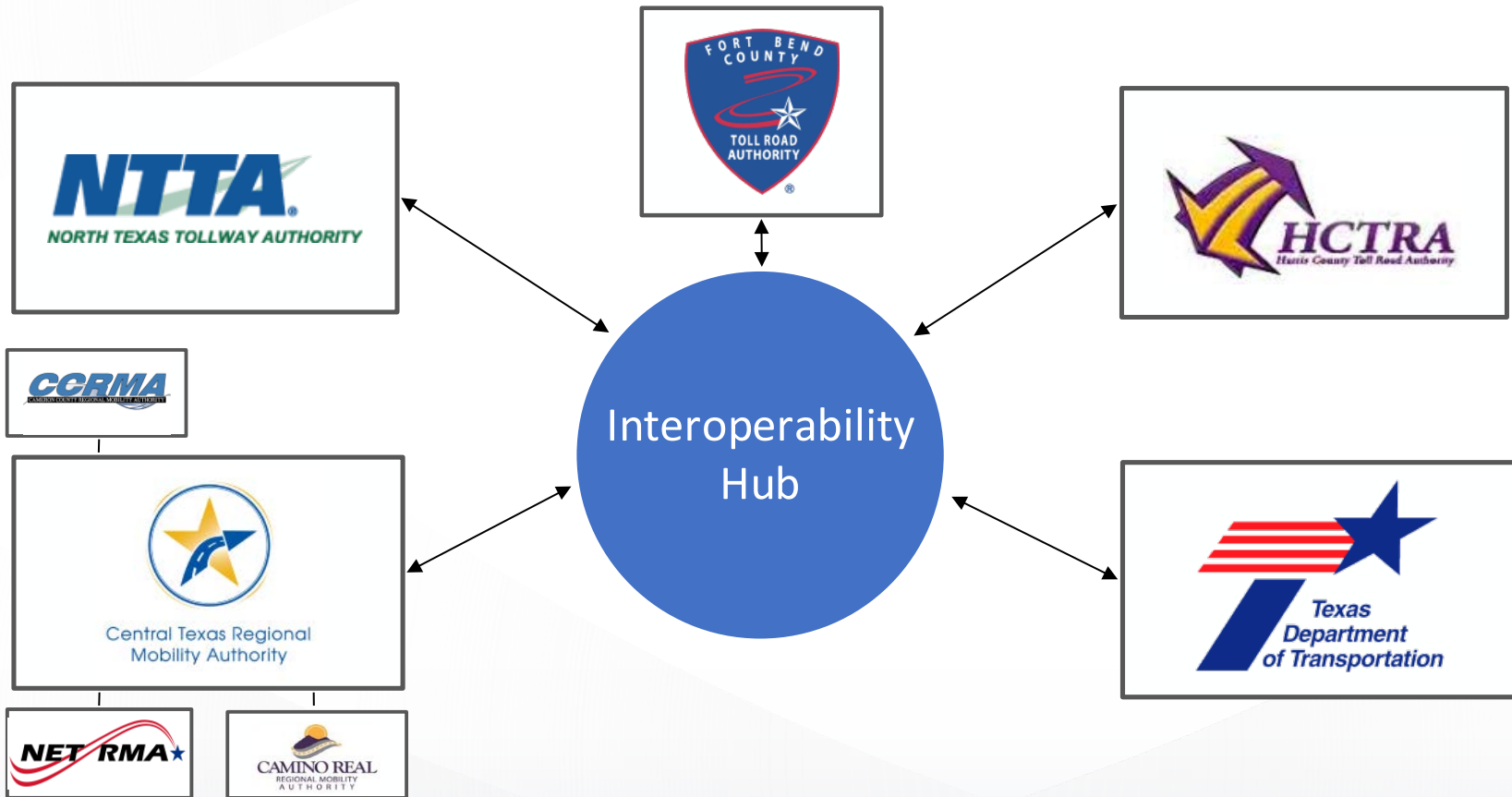
2014



April  
2006

**2014 – Fort Bend Toll Authority joins the IOPHUB as a full partner**

# Interoperability Infrastructure



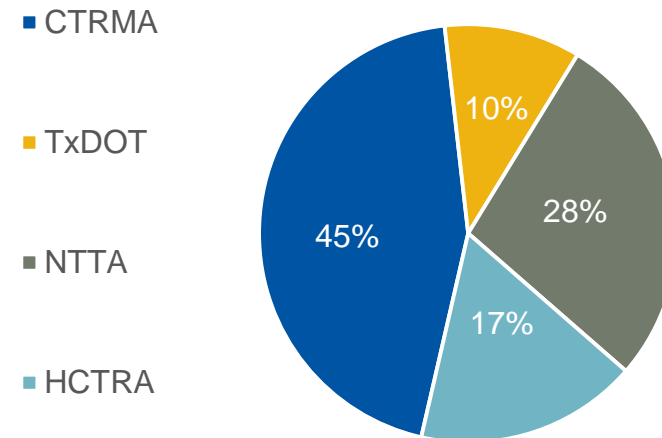


## Transactions

### Total Transactions processed by the IOPHUB

<b>CTRMA</b>	34,752,389	44.59%
<b>TxDOT</b>	8,225,288	10.55%
<b>NTTA</b>	21,561,179	27.66%
<b>HCTRA</b>	13,400,344	17.19%
<b>Total</b>	<b>77,939,200</b>	<b>transactions</b>

% of IOP Transactions by Agency





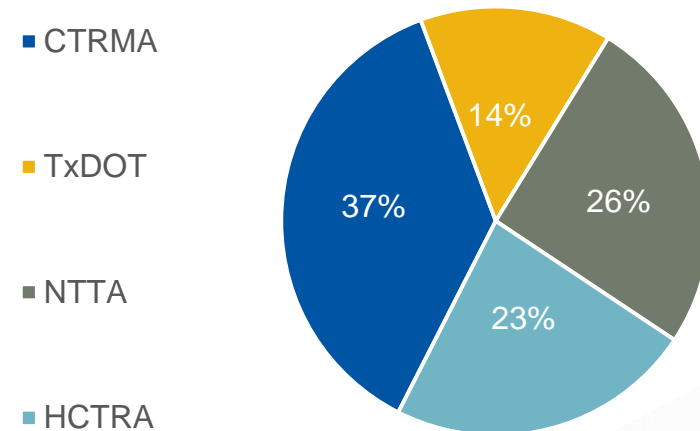


## Revenue

### Total Revenue processed by the IOPHUB

<b>CTRMA</b>	\$30,710,598	36.80%
<b>TxDOT</b>	\$12,075,965	14.47%
<b>NTTA</b>	\$21,338,314	25.57%
<b>HCTRA</b>	\$19,318,207	23.15%
<b>Total</b>	<b>\$83,443,084</b>	

% of IOP revenue by Agency





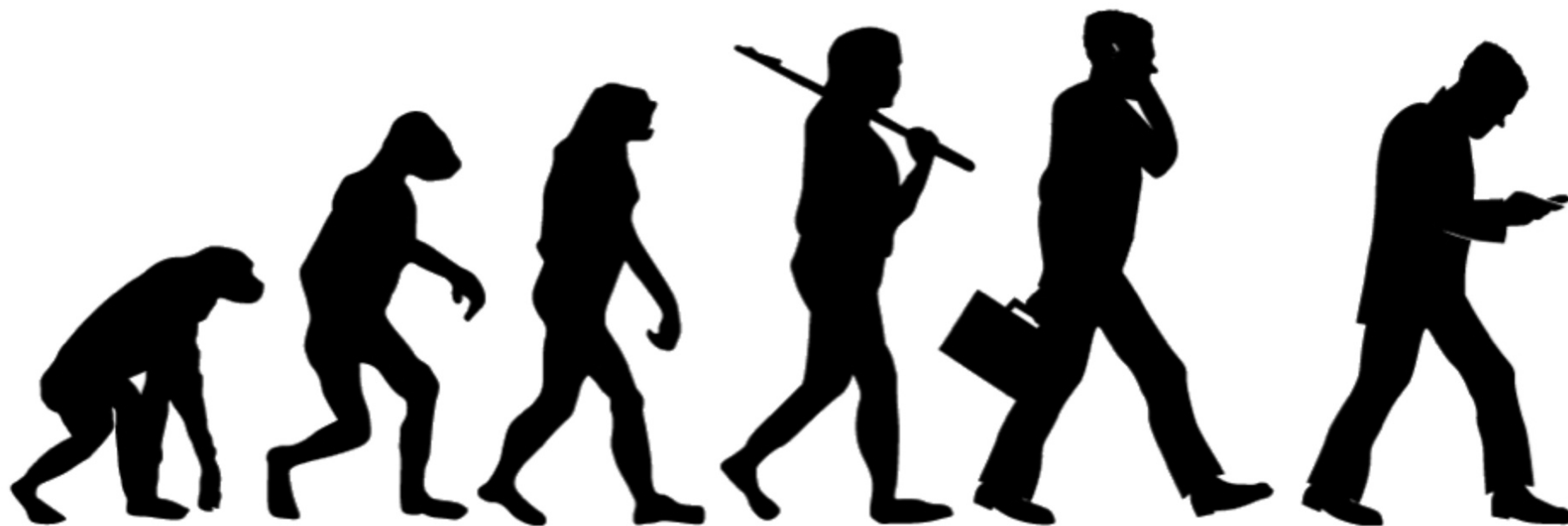
## Active Transponders:

# 7.5 million

## Average Transactions:

	Average Daily	Average Weekly	Average Monthly
CTRMA	95,212	668,315	2,896,032
TxDOT	22,535	158,179	685,441
NTTA	59,072	414,638	1,796,765
HCTRA	36,713	257,699	1,116,695

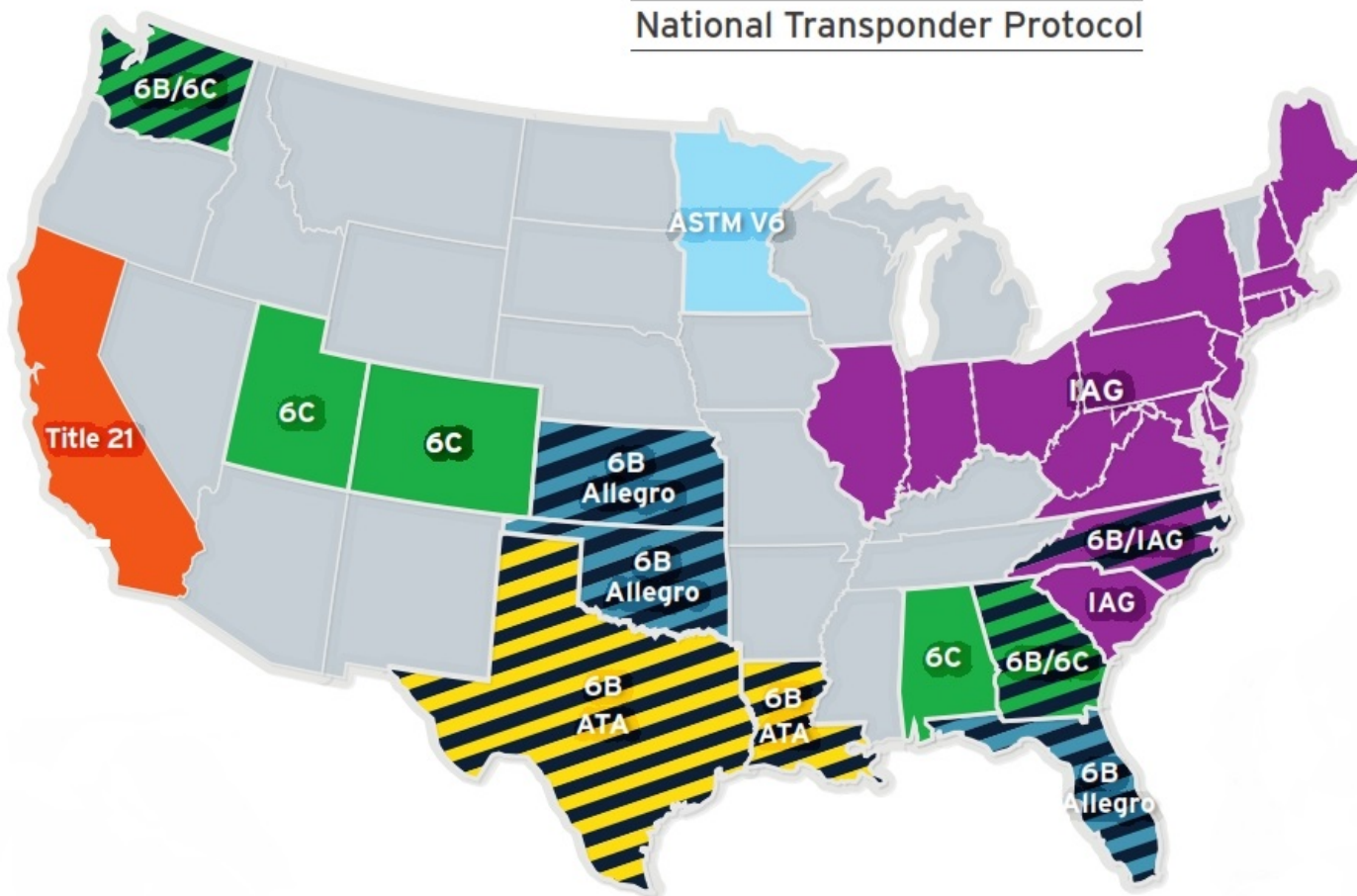
# Evolution of Interoperability



# Transponder Protocols



National Transponder Protocol







# QUESTIONS ?



**CENTRAL TEXAS**  
**Regional Mobility Authority**