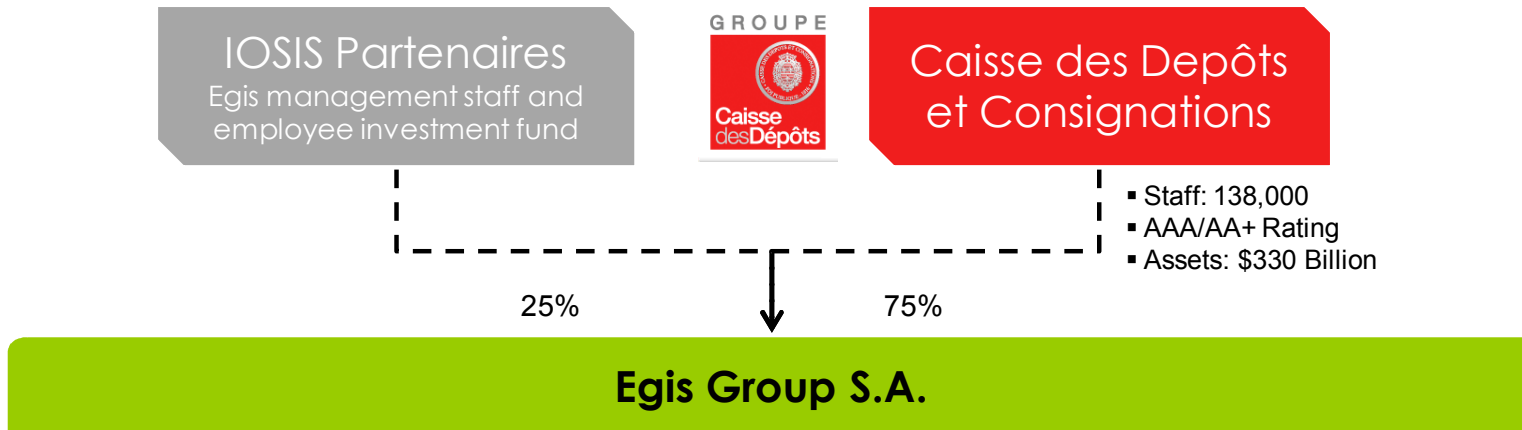




Major Efforts Underway to Create North American Toll Interoperability

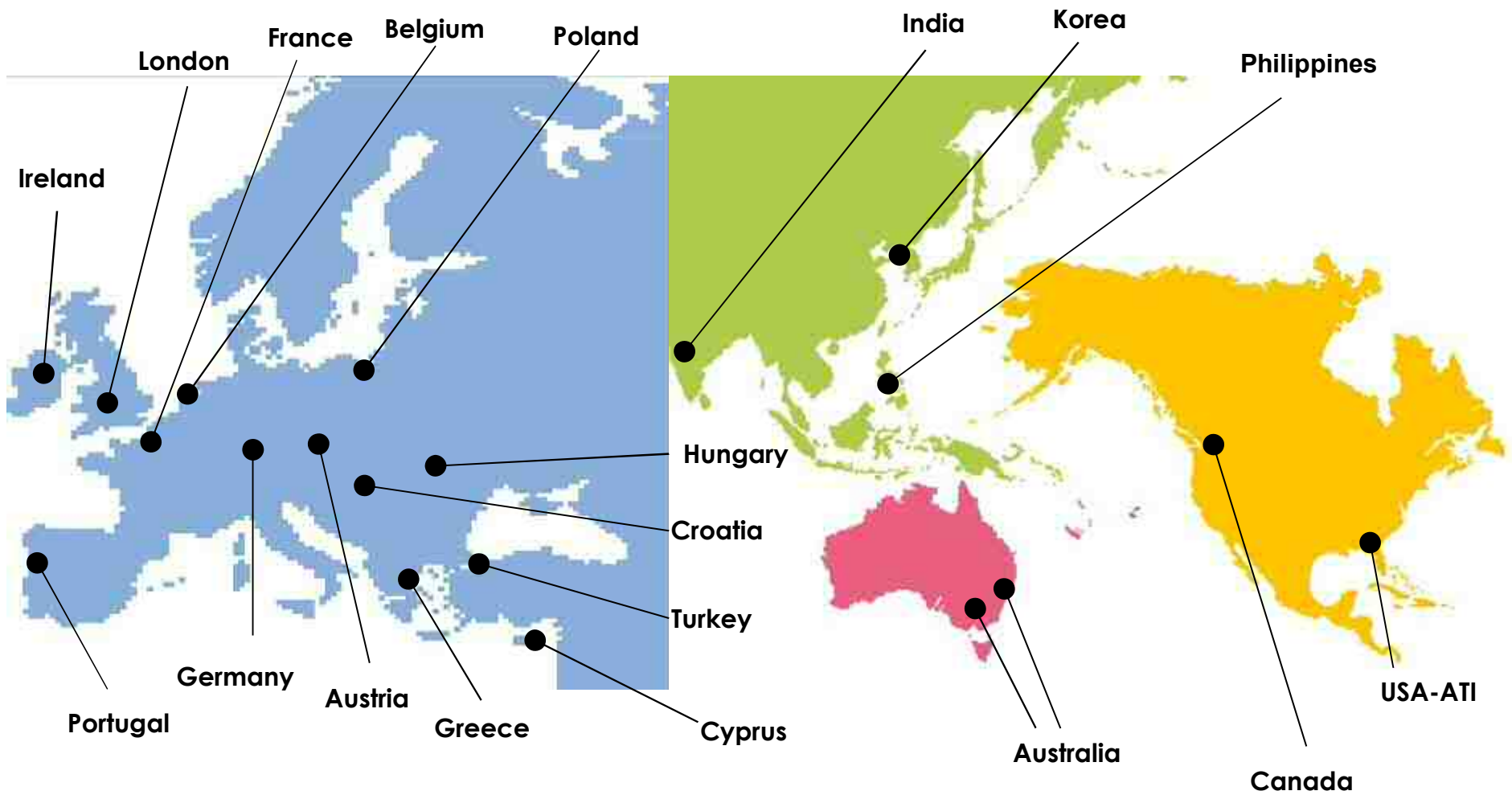
Martin Stone, Ph.D., AICP
General Manager
Egis Projects, Inc. USA

EGIS: GLOBAL ITS, OPERATIONS & MAINTENANCE



- ❖ Leading Worldwide Transportation Operations Company
- ❖ 12,000 Employees in Over 100 Countries
- ❖ 34 Toll Projects with a Value of Over \$17 Billion
- ❖ >2 Million Daily Toll Transactions with >\$2 Billion Annual Tolls
- ❖ >2.6 Million ETC Subscribers
- ❖ >1,200 Miles of Multi-Lane ETC and Traditional Toll Systems
- ❖ 12 Concessions/PPP Investments
- ❖ 6 Airport Operations Subsidiaries with 12 Airport Platforms

EGIS: GLOBAL ITS, OPERATIONS & MAINTENANCE



EGIS: GLOBAL ITS, OPERATIONS & MAINTENANCE

World Leader in Multi-Modal Payment Systems and Toll Interoperability



❖ *EASYTRIP*

- Independent Multi-Modal Service Provider
- France, Greece, Ireland and the Philippines

❖ *TransPass*

- 60 Ferry Routes
- Across Europe

❖ **National and Regional Toll Interoperability**

- Ireland, Greece, Canada and the US

ALLIANCE FOR TOLL INTEROPERABILITY (ATI)

A not-for-profit organization of 38 public toll agencies to promote North American toll interoperability

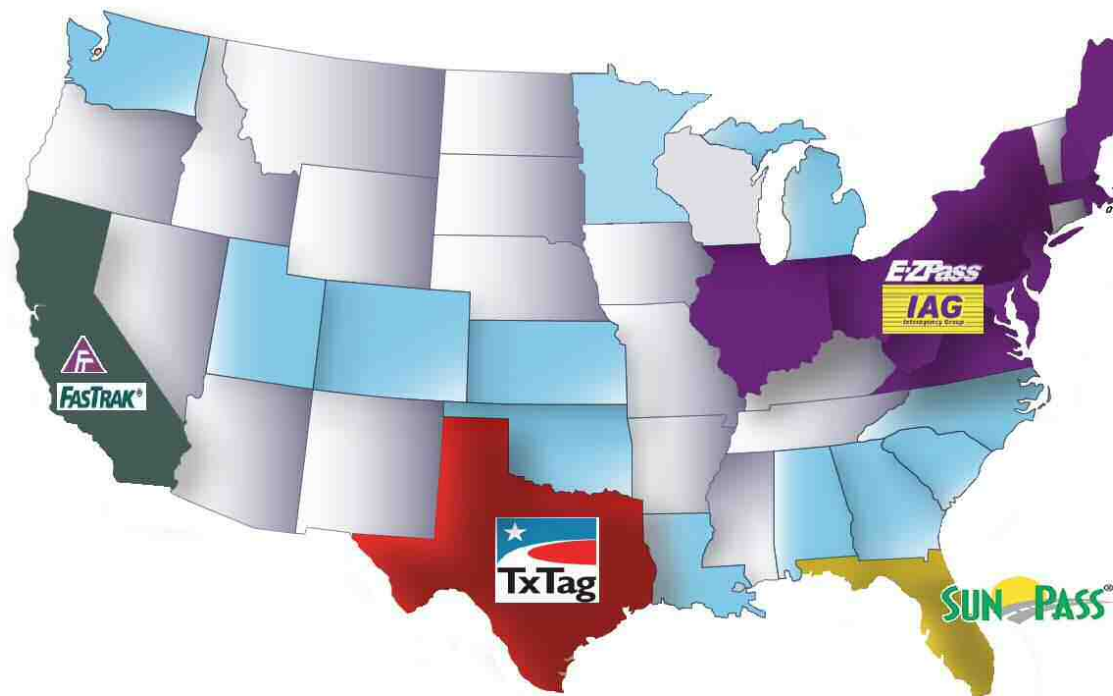
- ❖ Open Standards for Toll Technology
- ❖ Increased Competition
- ❖ Cooperative Purchasing Power
- ❖ Managed by a public board
 - Oklahoma Turnpike Authority
 - E-470, Denver, Colorado
 - Florida Turnpike Enterprise/FLDOT
 - Illinois State Tollway Authority
 - Port Authority of New York & New Jersey
 - Central Texas Regional Mobility Authority
 - Maine Turnpike Authority
 - SANDAG, San Diego, California
 - Golden Gate Bridge, San Francisco, California
 - Halifax-Harbour Bridges, Canada



NORTH AMERICAN TOLL INTEROPERABILITY CHALLENGE

MAP 21

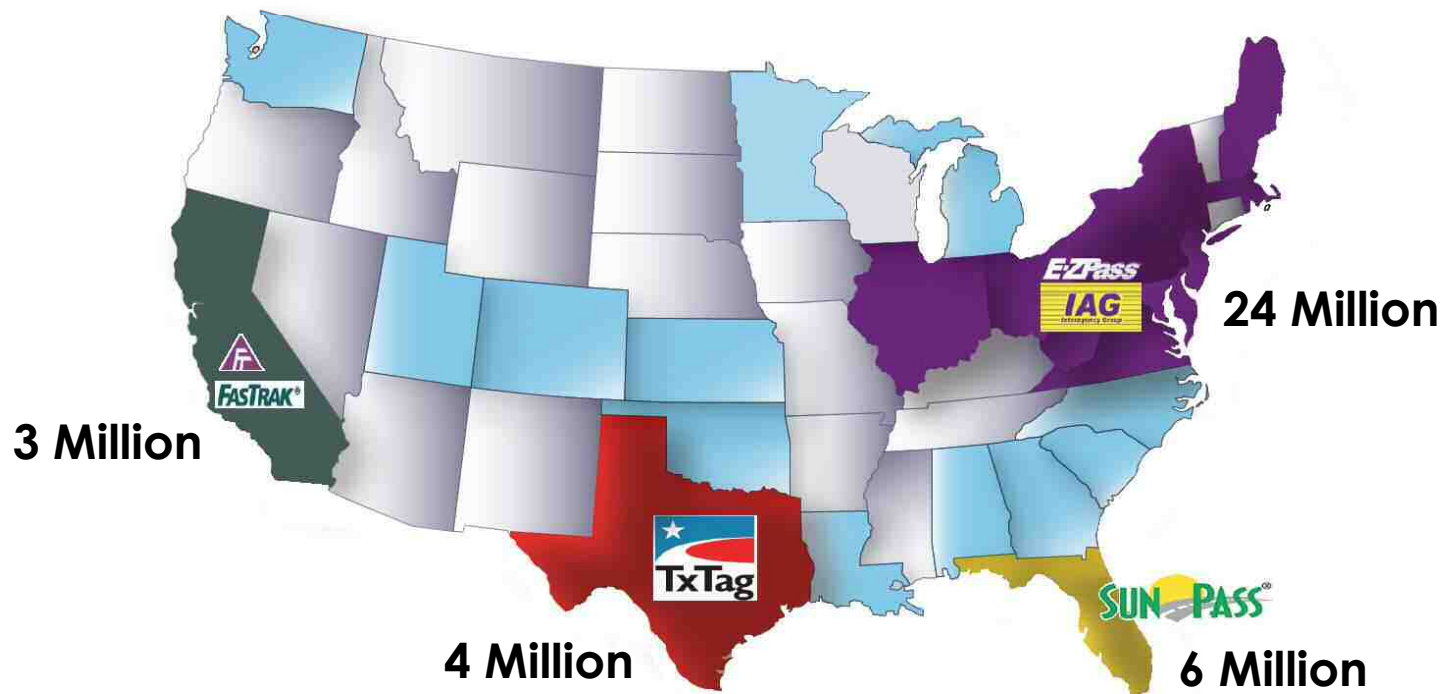
“...plan and implement technologies and business practices leading to electronic toll collection interoperability...” by 2016



NORTH AMERICAN TOLL INTEROPERABILITY CHALLENGE

>100 Toll Agencies

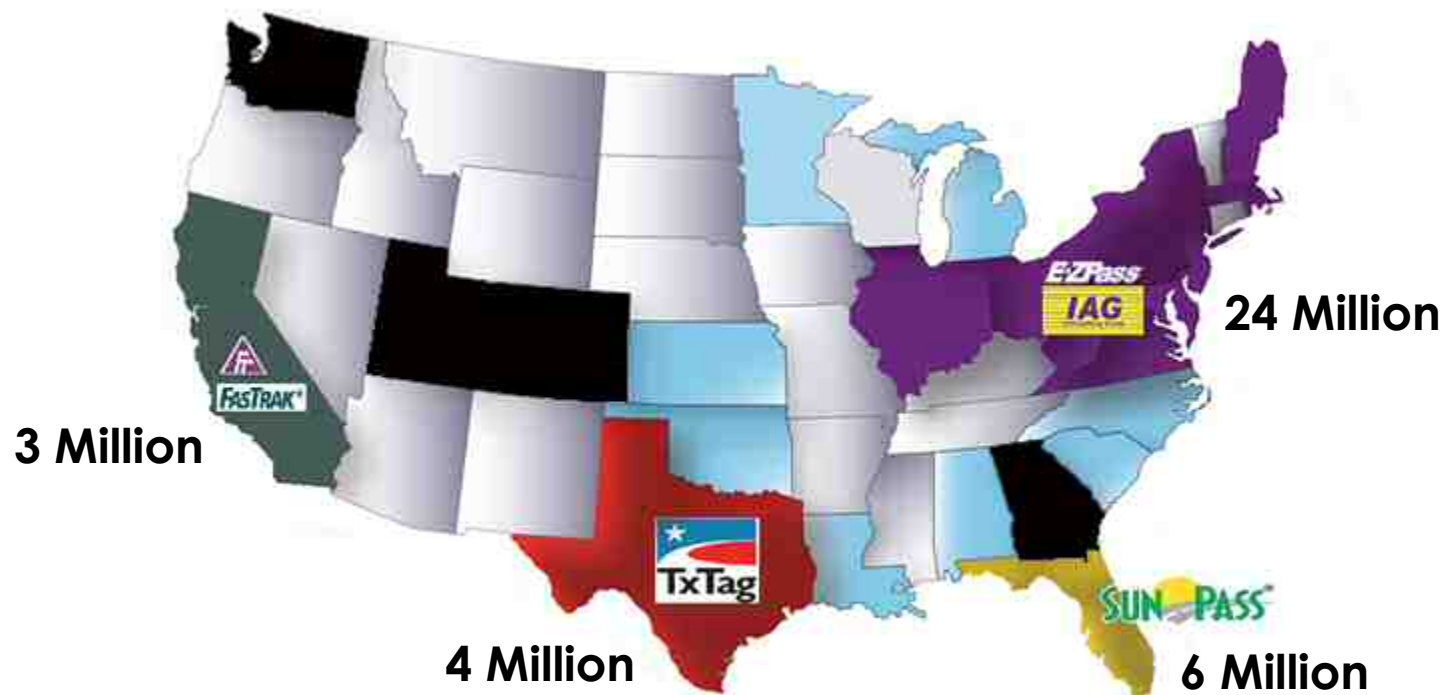
> 45 Million ITS Tolling Devices
for Pre-Paid ETC Customers



NORTH AMERICAN TOLL INTEROPERABILITY CHALLENGE

Interoperability Issues

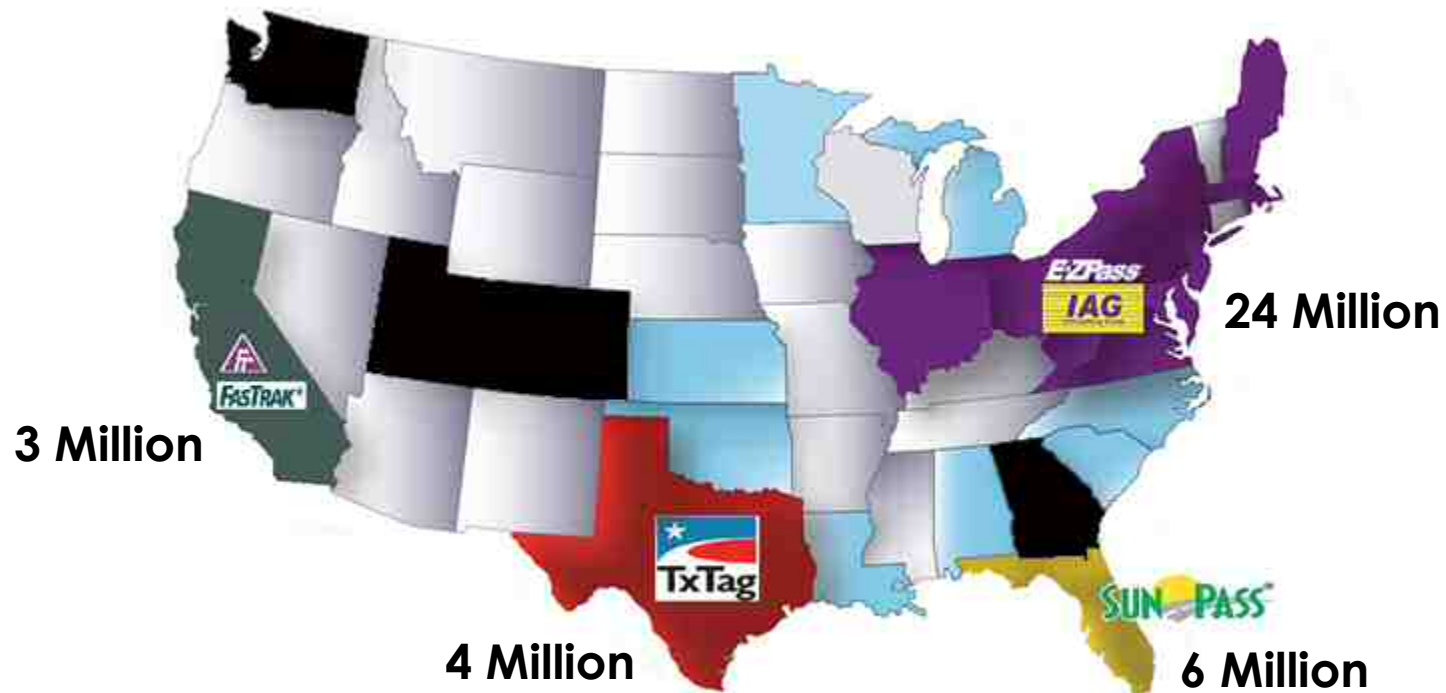
- ❖ Technical: 7 different transponder & reader technologies
- ❖ Institutional: No uniform rules & operating agreements
- ❖ Financial: No existing clearinghouse infrastructure



NORTH AMERICAN TOLL INTEROPERABILITY CHALLENGE

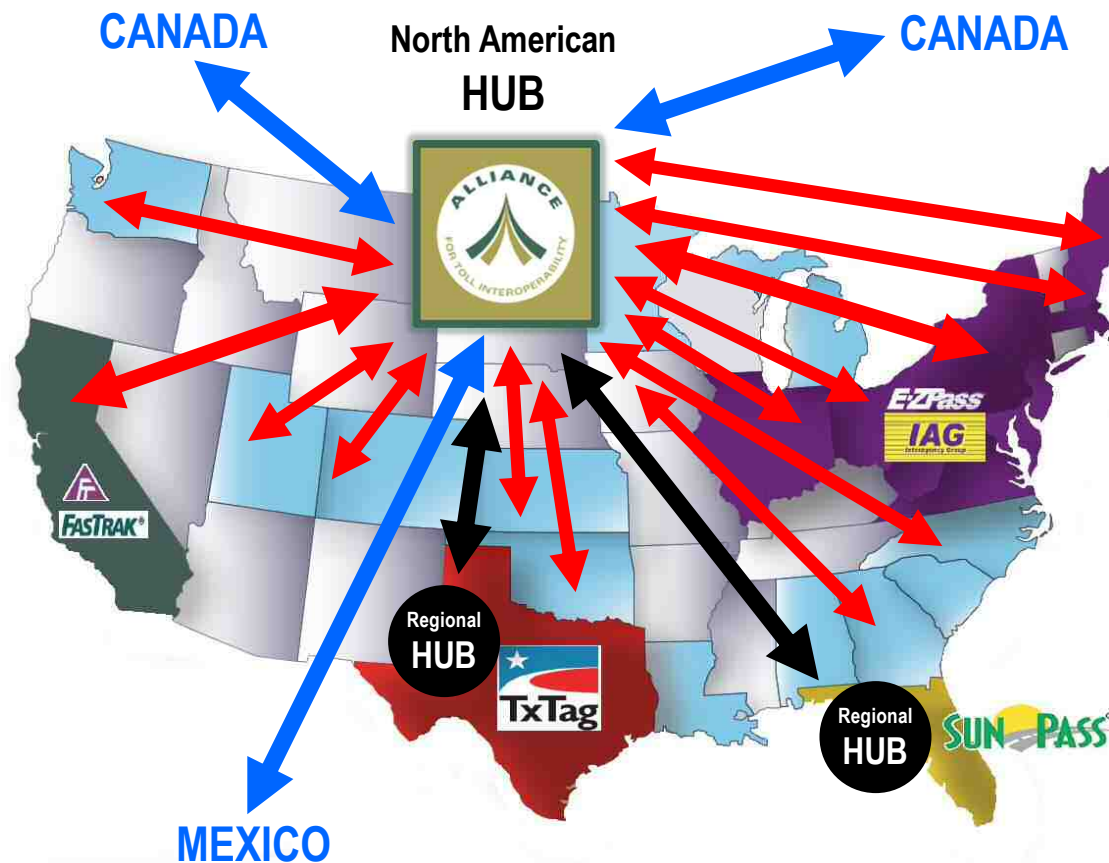
Interoperability *Solutions*

- ❖ Technical: *Identify National Toll Protocol (IBTTA)*
- ❖ Institutional: *Create Uniform Business Rules (IBTTA)*
- ❖ Financial: *Implement Transaction Exchange Hub (ATI)*

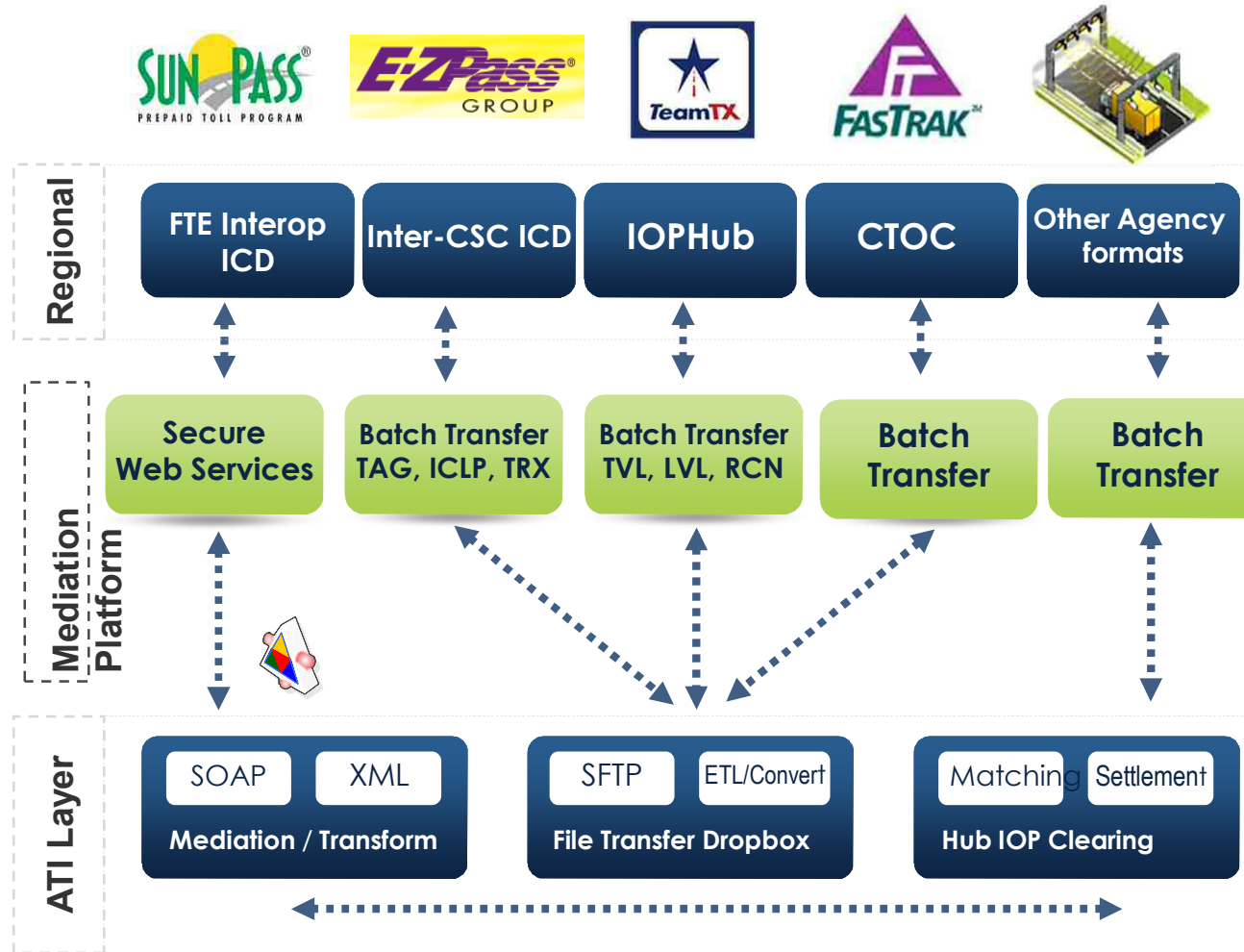


NORTH AMERICAN TOLL INTEROPERABILITY CHALLENGE

Match, Exchange and Settle Toll Transactions
(ETC and Video Transactions for Registered Account Holders)

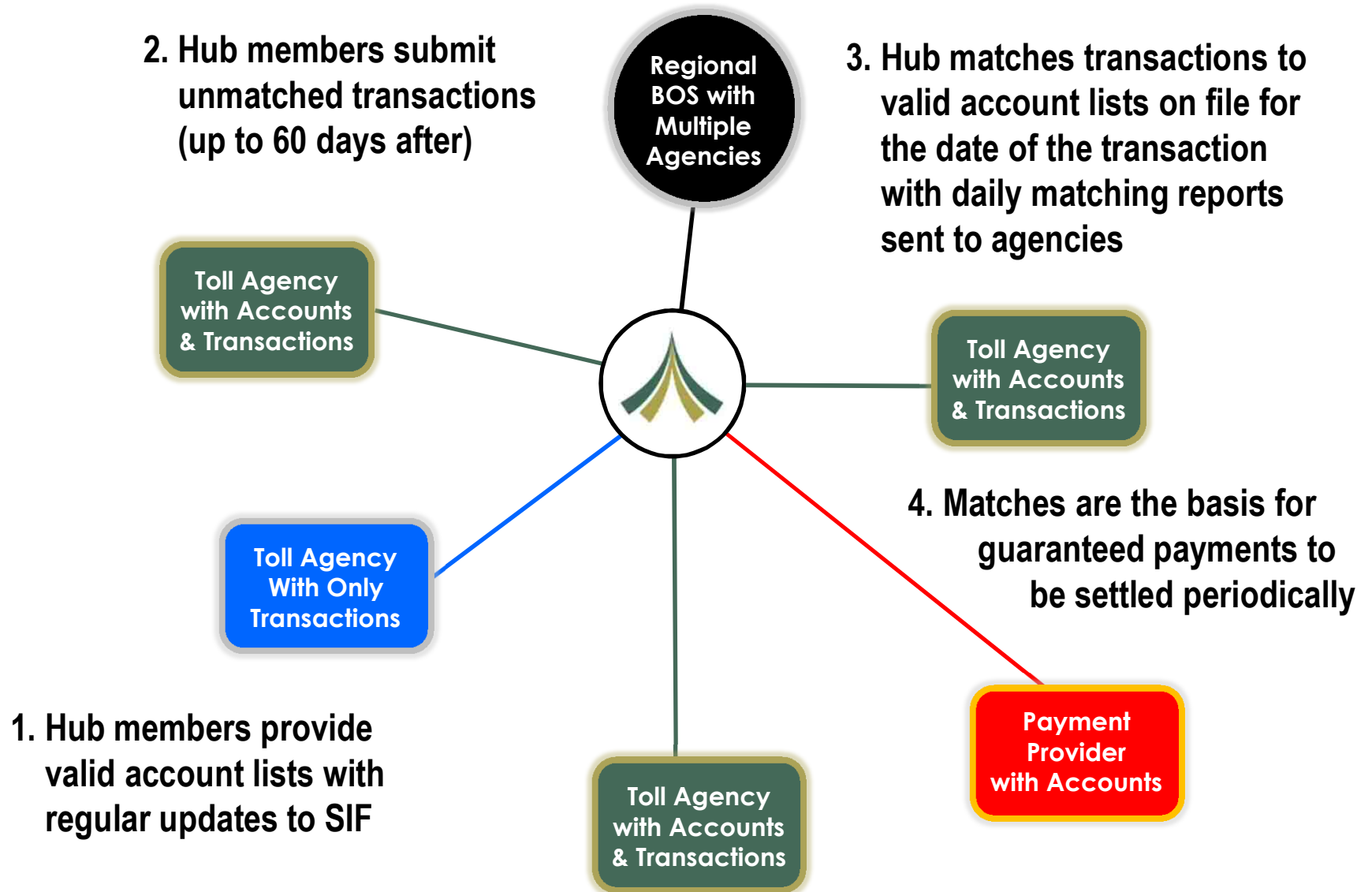


ATI HUB TRANSACTION MATCHING



Each agency may use their own transaction format or may adopt the Hub preferred ICD (EZPass)

ATI HUB CLEARINGHOUSE SOLUTION



ATI HUB FINANCIAL SETTLEMENT

Secure US Banking System
Commercial Settlement

With ATI Settlement Account at



ATI HUB FINANCIAL SETTLEMENT



Agency: FTE **FINANCIAL SUMMARY**
January 2012

	Incoming	Outgoing	<i>In US \$</i>		
Agency	MATCHED	MATCHED	Disputes	Pending	Receivables/ (Payables) - NET
E-470	\$ 889.00	\$ 1,189.85	-	-	\$ (300.85)
MDTA	158.00	49.00	-	-	109.00
NJTA	500.00	828.00	-	-	(328.00)
NTTA	2,297.00	87,881.12	-	-	(85,584.12)
Total	\$ 3,844.00	\$ 89,947.97	-	-	\$ (86,103.97)

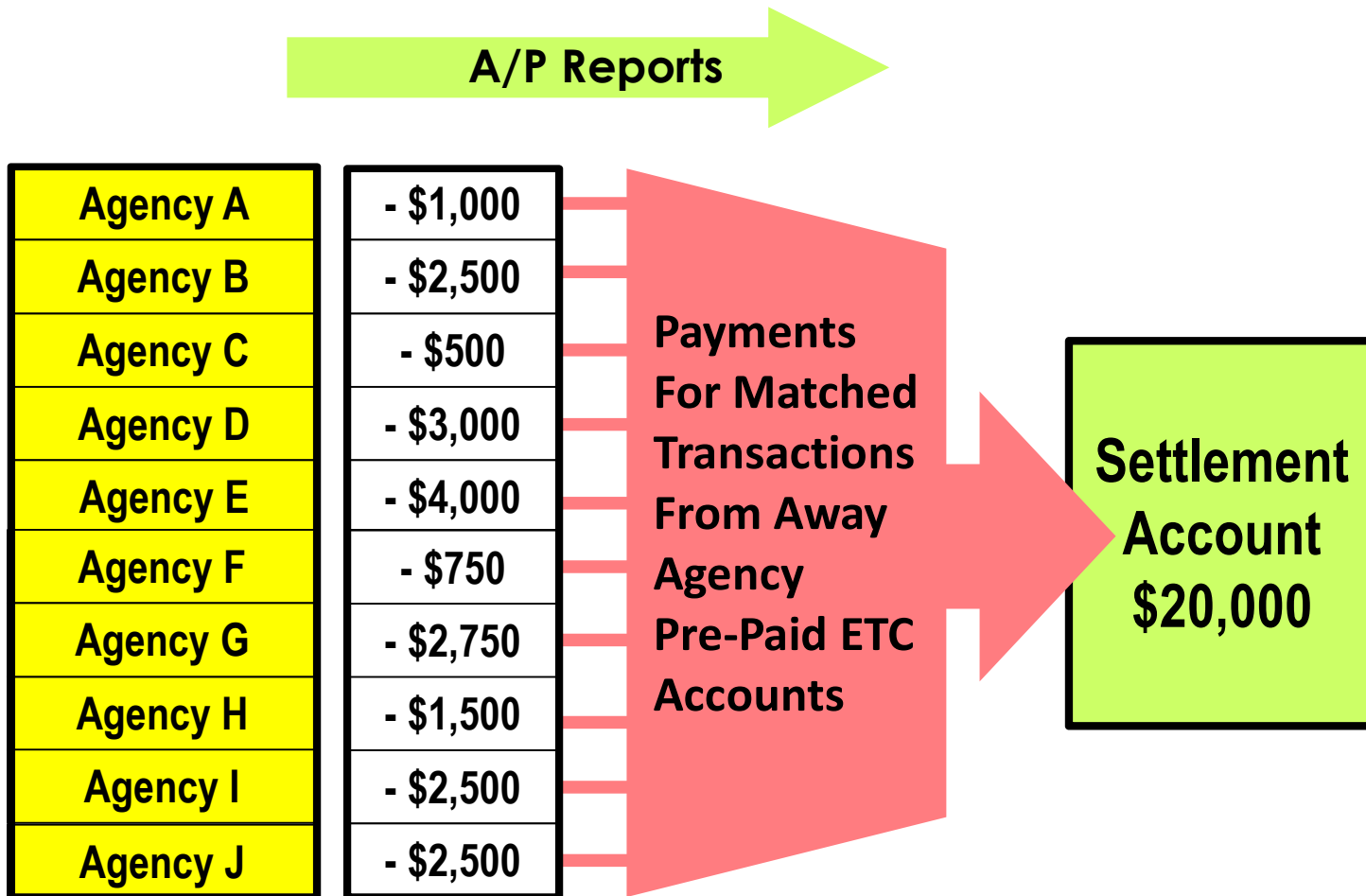
A/R Report, By Agency

ACCOUNT	ACCOUNT NO.	DATE	ITEM	POST REF	DEBIT	CREDIT	BALANCE

A/P Report, By Agency

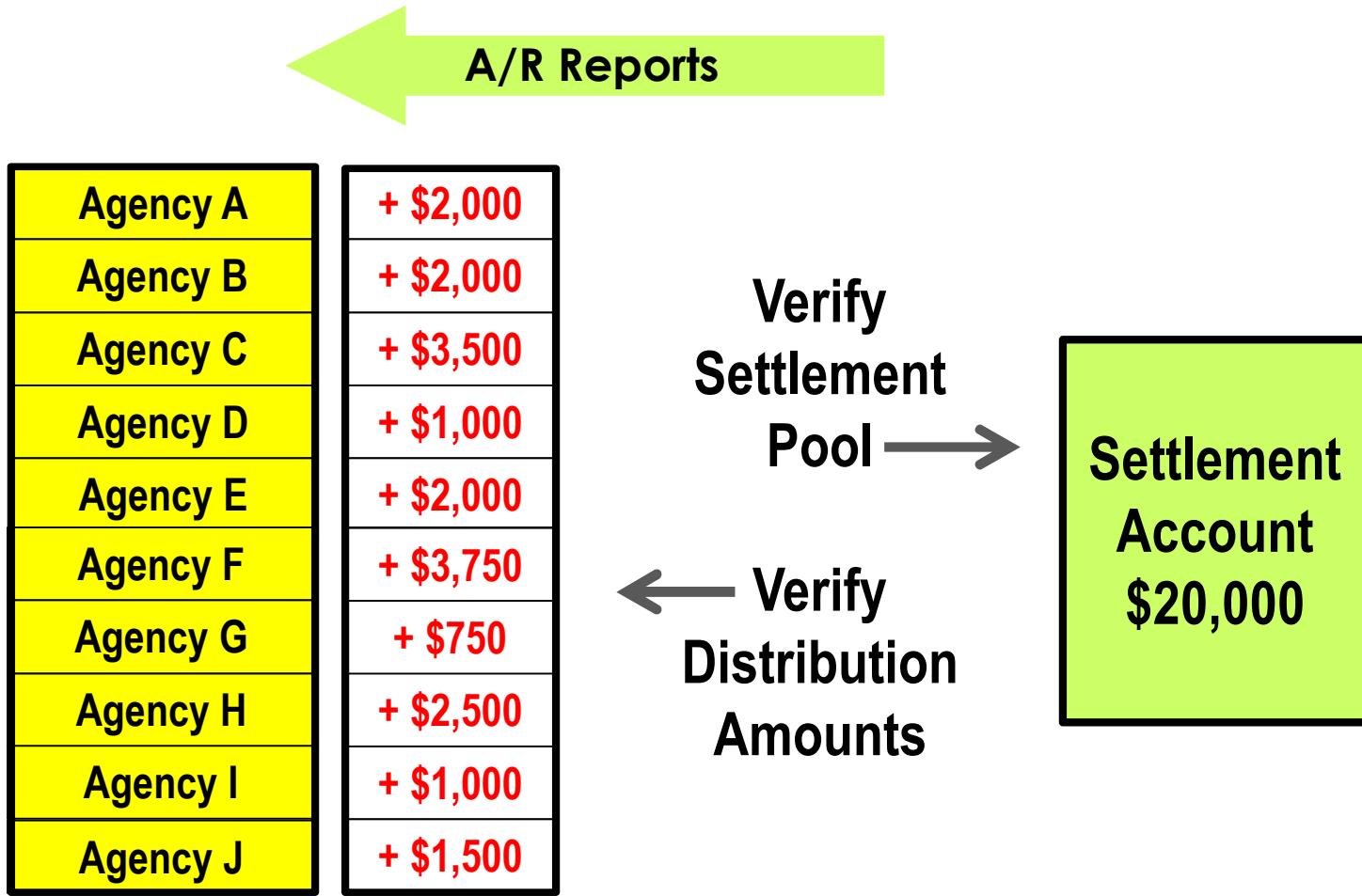
ACCOUNT	ACCOUNT NO.	DATE	ITEM	POST REF	DEBIT	CREDIT	BALANCE

ATI HUB FINANCIAL SETTLEMENT



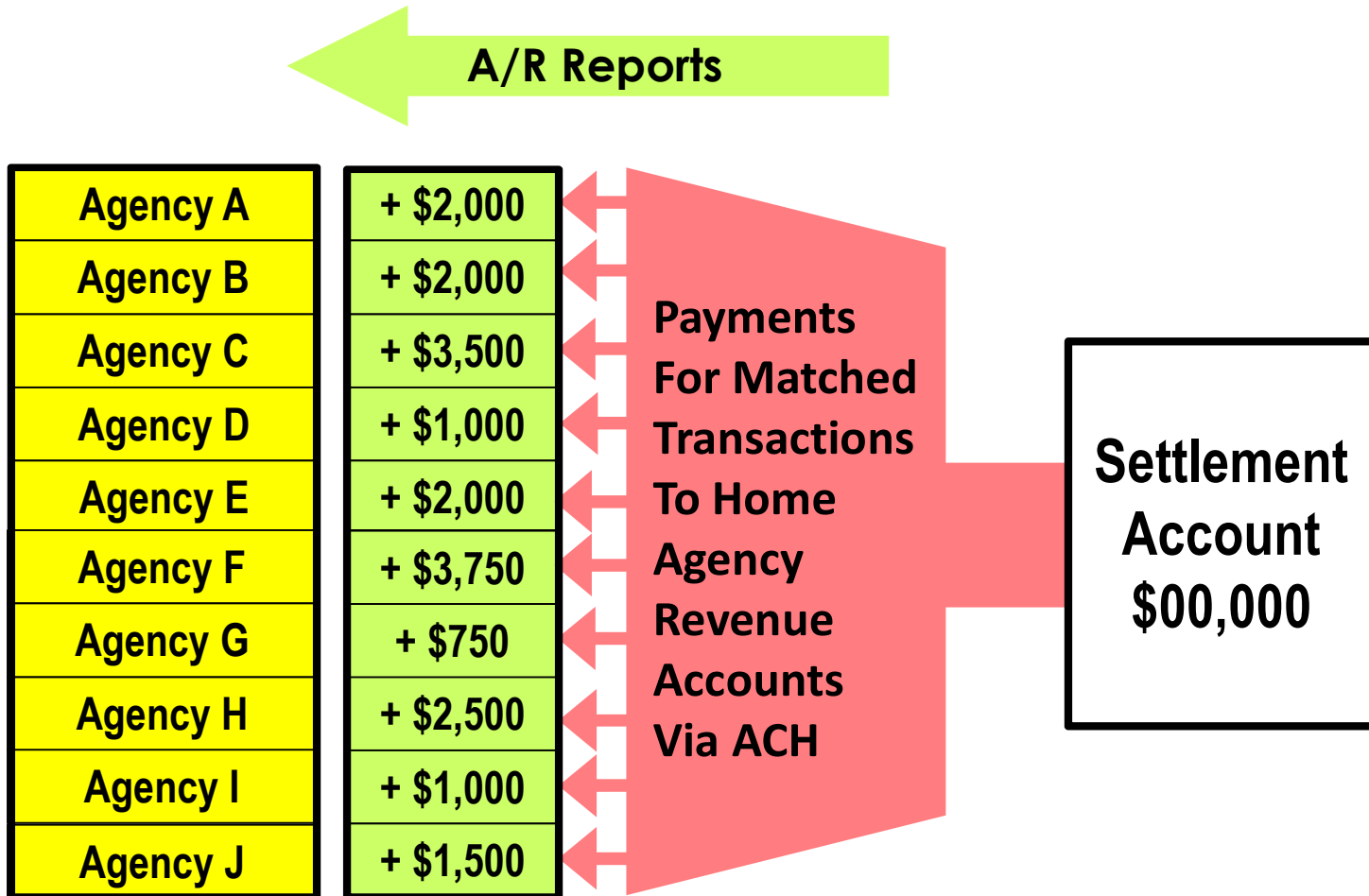
Settlement Pool Make-Up

ATI HUB FINANCIAL SETTLEMENT



Settlement Pool Distribution

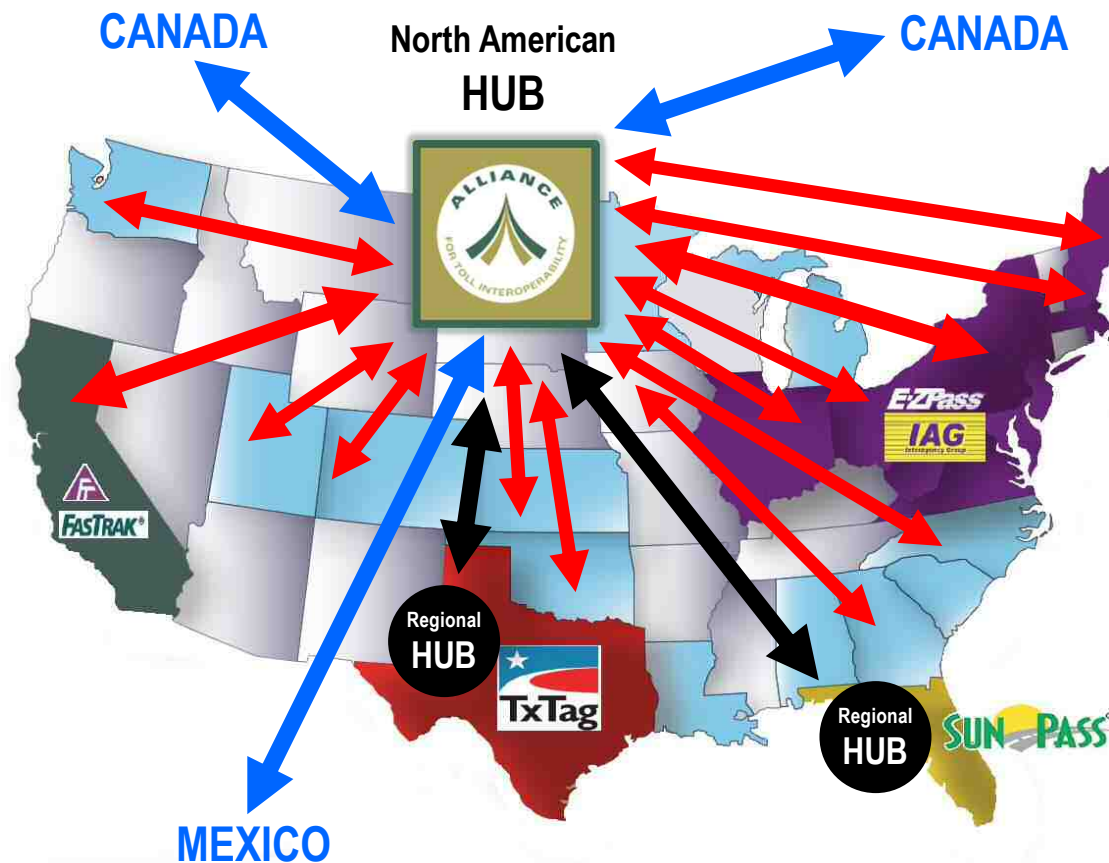
ATI HUB FINANCIAL SETTLEMENT



Settlement Pool Distribution

NORTH AMERICAN TOLL INTEROPERABILITY FUTURE

Toll customers should be able to drive throughout North America on any participating toll facility with one toll account.



CONTACT:

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