Scytl
Innovating Democracy

Presentation to the Committee on the Future of Voting

National Academies of Sciences Engineering & Medicine

Jonathan Brill, VP of US Operations

October 18, 2017

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About Scytl

Scytl
Innovating Democracy

Worldwide leader

in **secure electronic voting** & **election modernization software solutions**

Broad Product Portfolio

Election Night Reporting; Online Election Worker Training; Election Worker Management; Electronic Ballot Delivery

Strong scientific background

university spin-off

+75% market share in **online voting** with **19 out of 21 countries** using our system

Deep US Market Penetration

Solutions deployed in more than 30 states

VC-backed

Invluding Vulcan Capital & Sapphire Ventures.

Largest patent portfolio in the industry

41 patents worldwide

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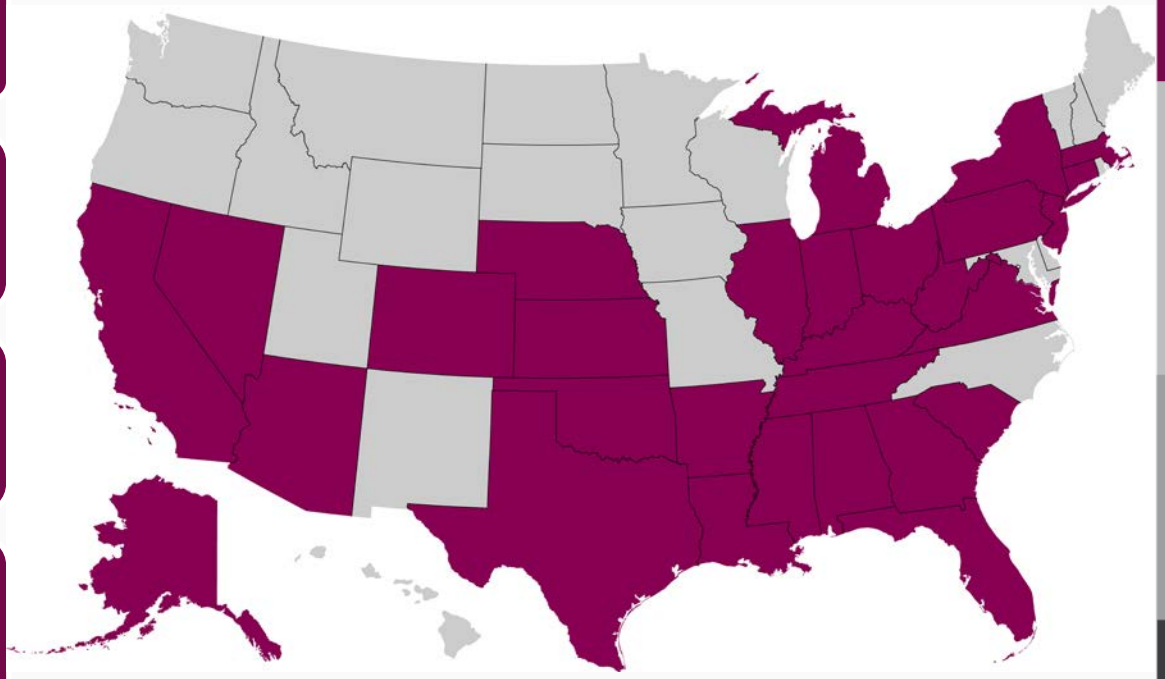
Partnering with Scytl in the United States

2016 Election Cycle

- 6 States used Scytl's Electronic Ballot Delivery Solution
- 500 Jurisdictions used Scytl's Election Night Reporting representing nearly 40 million voters
- More than 40,000 election workers in 15 states used Scytl's Online Election Worker Training
- Scytl's Voter Education Portals provided voting information at the county level across 10 states with more than 8 million registered voters



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Online Voting

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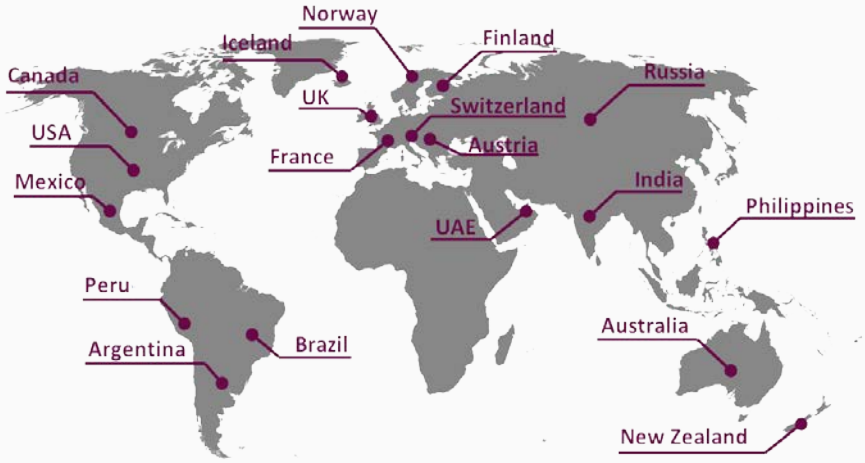
Online Voting Across the Globe



Largest union election Ministry of Education France, ***+1.7 million online votes***

Largest government binding election NSW Electoral Commission Australia, ***+280,000 online votes***

Prior largest government binding election Ministry of Foreign Affairs France, ***+240,000 online votes***

Country with longest history in leverage of online voting for binding elections and consultations: ***Switzerland***

13 International audits guarantee maximum transparency, security and verifiability

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Online voting advantages

- **Increase voter participation** by providing more accessible voting opportunities and innovative solutions.
- **Efficient and accurate results reporting**. Online Voting tabulation is almost instantaneous and highly auditable.
- **Leading edge security** to protect **voter privacy**, voting verifiability and election results integrity.

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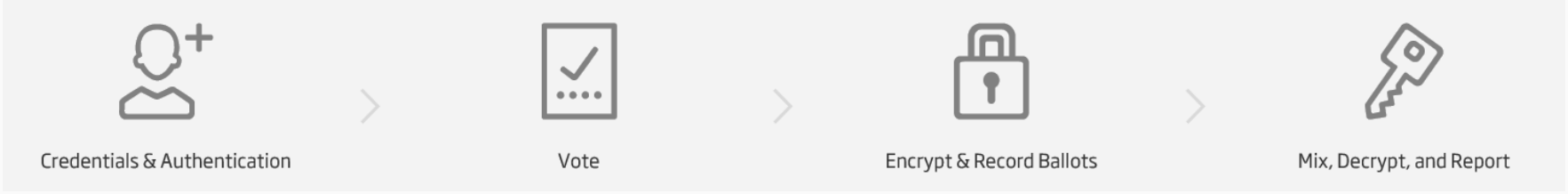
Switzerland's Current Scytl Solution

Full verifiability:
Votes cast-as-intended
Recorded-as-cast
Counted-as-recorded
Full audit of public source code

End-to-end security:
Authentication
Vote and voter privacy
Vote integrity and authenticity
Encrypting votes
Cryptographic mixnets & secret sharing
Voter digital signatures
Immutable logs.



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eBallot Delivery

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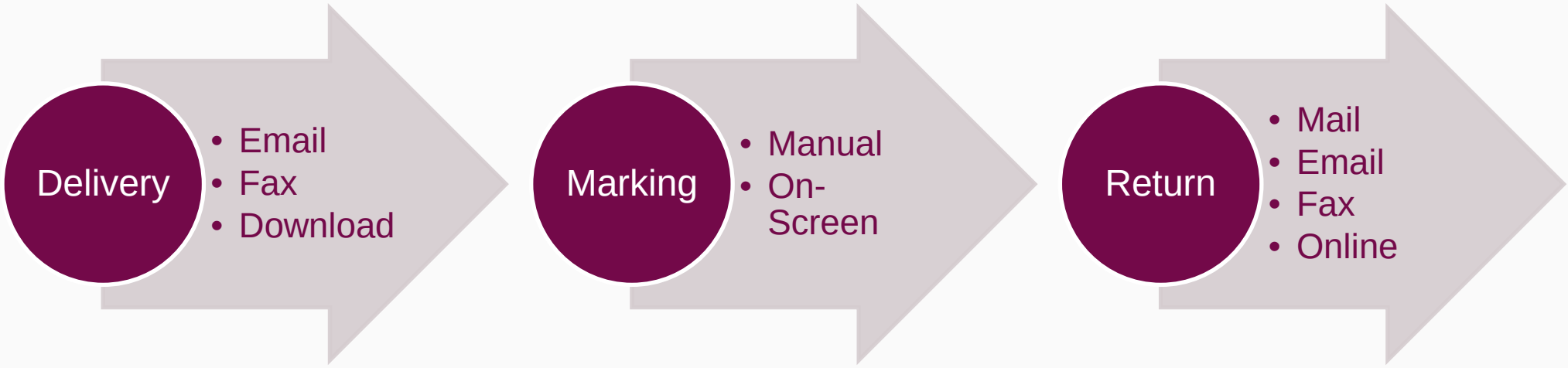
Electronic Ballot Delivery Options

Move Act Options



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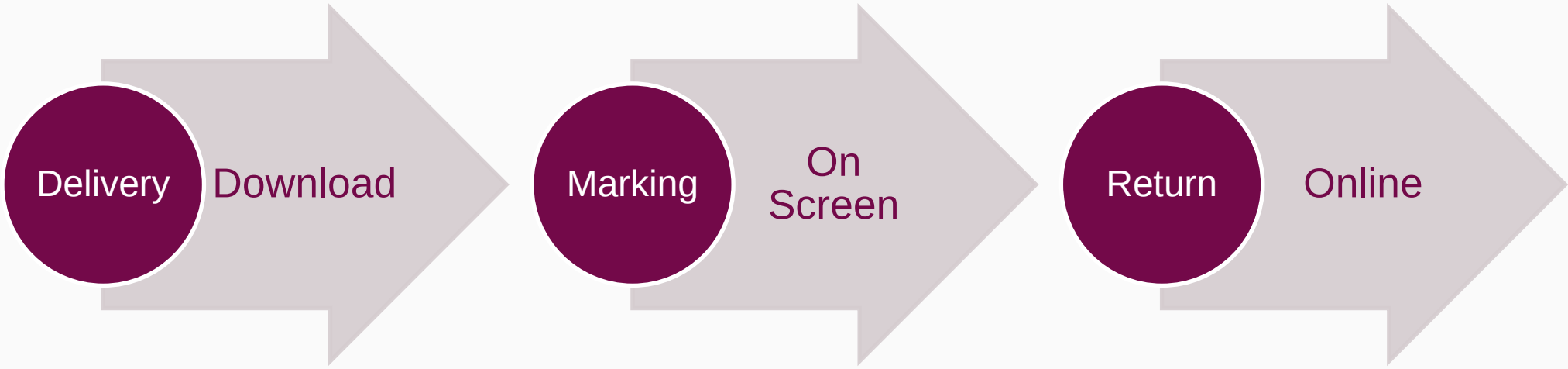
Scytl's Electronic Ballot Delivery



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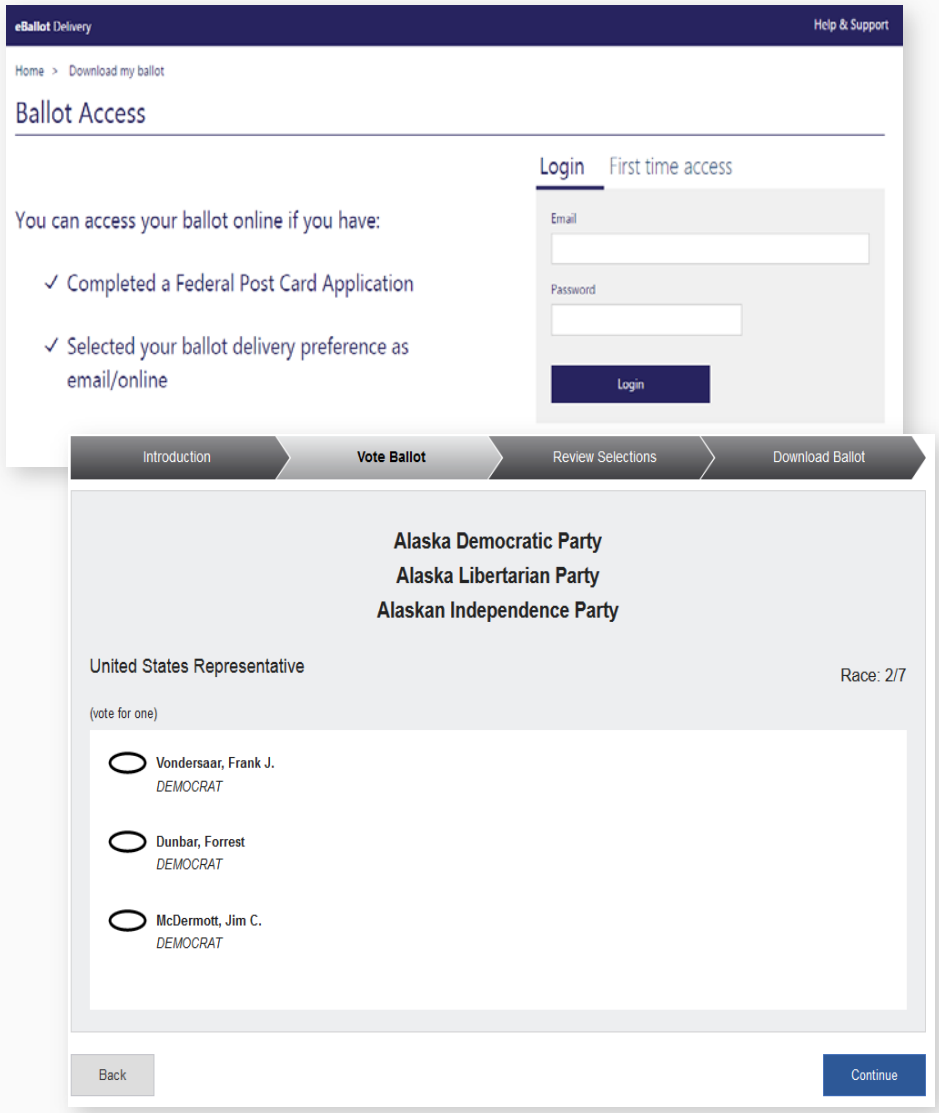
Why Electronic Ballot Delivery



Greater Security Than Fax, Mail or Email

- Cryptographic protocols and mechanisms that jointly provide reliable and secure elections,
- A virtually secure channel between voters and the local election authorities.

Usability

- User-friendly - over 80% of the voters considered the system easy and very easy to use
- Accessible – voters use their own adaptive technologies
- Enfranchises remote voters

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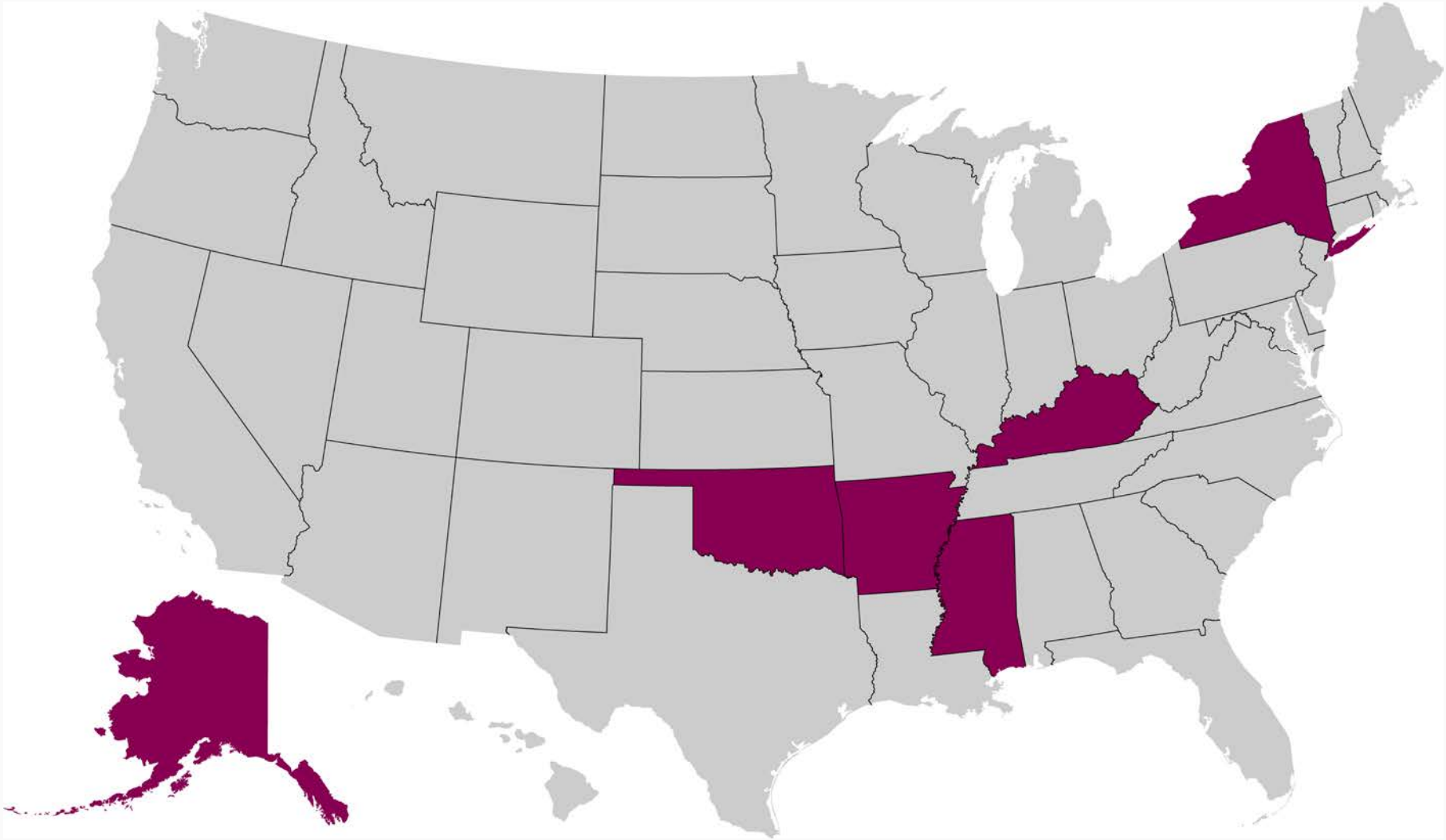
Electronic Ballot Delivery

A Proven and Widely Used Solution



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Kiosk Voting

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Kiosk Voting

An Intermedia Solution

SmartCard Authentication

Printed Ballot Scanned & Stored - VVPT

Voting Terminal Module

Smart Ballot Box Module

Tally Module - Decryption

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