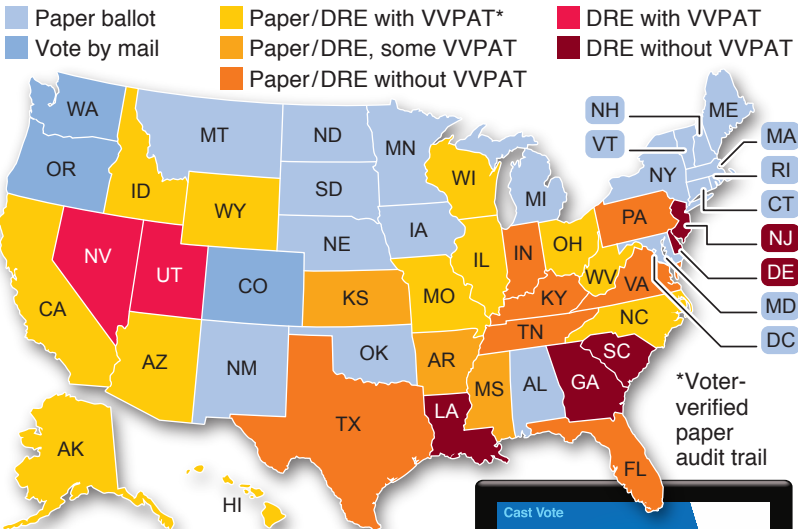


# Hacking fears surface ahead of U.S. election

With allegations that Russia is meddling in the U.S. presidential election, there is growing concern that hackers could target vulnerable systems in a number of states, particularly so-called DRE voting machines

## CURRENT STATE-BY-STATE VOTING SYSTEMS



## VULNERABLE SYSTEMS

### ■ Voter registration

FBI warned election officials in August following alleged Russian hack of databases in two states, including up to 200,000 Illinois voter records



### ■ Optical scan paper ballot

President and Vice President  
(Vote for one pair)

- ☒ Hillary Clinton  
Tim Kaine (DEM)
- ☐ Donald Trump  
Mike Pence (REP)
- ☐ Gary Johnson  
William Weld (LIB)

Participants cast votes using pen or marking device, then ballots fed into optical scanner

**Results tabulated by central computer – vulnerable to hacking**

### ■ DRE (Direct-recording electronic) systems:

Machines with no VVPAT pose greatest risk – if manipulated, vote cannot be compared to physical record. Older systems – such as in Georgia – more vulnerable to hacking

**Roughly 20 percent of Americans cast ballots with no paper record – around 45 million registered voters**

