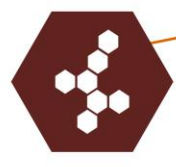


Policy actions for emerging technologies by jurisdiction

At a glance

Emerging technologies present different issues and priorities when it comes to **safety, security, privacy, intellectual property, and the workforce** that policymakers at all levels are trying to manage. As public officials grapple with conflicting values, there is an opportunity for business leaders to engage in the debate across jurisdictions to strike the right balance and advocate for consistency where possible.



Five emerging technologies

We've mapped out the key public policy issues for these five emerging technologies:

- 1 Artificial intelligence
- 2 Blockchain
- 3 Drones
- 4 Autonomous vehicles
- 5 Internet of things

Icon represents level of the jurisdiction



Artificial intelligence

Local/State Federal International Global

Safety				
Security				
Privacy				
Intellectual property				
Workforce				

Actions related to key issues:

- White House established Select Committee on Artificial Intelligence (May 2018)
- US Congress introduced the FUTURE of AI Act – HR 4625 (December 2017)
- California Assembly passed 23 Asilomar AI Principles – ACR-215 (April 2018)
- UK House of Lords Select Committee on Artificial Intelligence published ethics report (April 2018)
- UN International Telecommunications Union held AI for Good Summit (May 2018)



Blockchain

Local/State Federal International Global

Safety	<i>Limited action</i>			
Security				
Privacy				
Intellectual property	<i>Limited action</i>			
Workforce	<i>Limited action</i>			

Actions related to key issues:

- 22 nations formed European Blockchain Partnership was formed (April 2018)
- China set up National Blockchain Distributed Accounting Technology Standardization Committee (March 2018)
- ISO created committee for Blockchain and Distributed Ledger Technology – ISO/RC 307 (May 2017)
- Vermont passed Blockchain Business Development Act and Colorado established the Council for the Advance of Blockchain Technology (June 2018)
- US Congress introduced DHS Authorization Act, including request for blockchain study – HR 2825 (June 2017)



Drones

Local/State Federal International Global

Safety				
Security				
Privacy				
Intellectual property	<i>Limited action</i>			
Workforce				

Actions related to key issues:

- The Council of the EU and the European Parliament approved drone safety rules (June 2018)
- US Congress introduced Drone Aircraft Privacy and Transparency Act – S 631 (March 2017)
- White House released Unmanned Aircraft Systems Integration Pilot Program memo (October 2017)
- 41 states and 100-plus cities have enacted drone laws and policies (as of February 2018)



Autonomous vehicles

Local/State Federal International Global

Safety				
Security				
Privacy				
Intellectual property				
Workforce				

Actions related to key issues:

- US DOT and NHTSA published Automated Driving Systems 2.0 guidance (September 2017)
- US Congress introduced SELF DRIVE Act – HR 3388 and S 1885 (July and September 2017)
- ISO set Autonomy Classification and Standards (ongoing)
- 29 states enacted autonomous vehicle legislation (as of June 2018)



Internet of things

Local/State Federal International Global

Safety	<i>Limited action</i>			
Security				
Privacy				
Intellectual property				
Workforce				

Actions related to key issues:

- US Congress introduced SMART IoT Act – HR 6032 (June 2018)
- California enacted the California Consumer Privacy Act (May 2018)
- The EU enacted General Data Protection Regulation and ePrivacy Regulation (May 2018)
- The ITU establishes Study Group 20: IoT, smart cities and communities (June 2015)

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