

Executive Order 14017 Redirects Supply Chain Focus to Resilience

President Joe Biden has signed an executive order which has launched a 100-day review of supply chains critical to national security, public health, and public safety. The review targets four key industries: semiconductors, critical minerals, pharmaceuticals, and electric vehicle batteries, and seeks to discover opportunities to bring overseas jobs back to the country.

The Biden review is a welcome and necessary step after the unprecedented supply chain disruptions of 2020, where COVID-19, increasing trade friction with China, and major cyberattacks like the SolarWinds breach drew the immense fragility and criticality of our supply chains into focus.

Only by adopting a whole-of-government approach to supply chain resilience – and by leveraging cutting-edge visibility tools – can we hope to tackle these multifaceted challenges.

The Challenge

The [Executive Order on America's Supply Chains](#) focuses on the need to improve resiliency and security across critical U.S. supply chains. This policy objective illuminates the administration's position on developing resilient and transparent supply chains for critical goods.

"The United States needs resilient, diverse, and secure supply chains to ensure our economic prosperity and national security. Pandemics and other biological threats, cyber-attacks, climate shocks and extreme weather events, terrorist attacks, geopolitical and economic competition, and other conditions can reduce critical manufacturing capacity and the availability and integrity of critical goods, products, and services." [Executive Order 14017 of February 24, 2021](#)

The Interos Solution

The Executive Order draws into focus the need for deep visibility into extended supply chains and raises key concerns around identifying critical points of failure, understanding the implications of a wide range of supply chain risks, and reliance on volatile countries, vulnerable digital products and critical goods and materials.

First 100 days

The primary focus will be on four agencies with identified risks.

- Department of Commerce (advanced packaging and semiconductor manufacturing)
- Department of Energy (high-capacity and electric-vehicle batteries)
- Department of Defense (critical minerals)
- Department of Health and Human Services (pharmaceuticals and pharma ingredients)

First Year

Detailed reports from various agencies on definitive supply chain topics.

- Department of Defense (civilian supply chains dependent on competitor nations)
- Department of Health and Human Services (public health and biological preparedness)
- Departments of Commerce and Homeland Security (ICT, data, and associated services)
- Department of Energy (energy sector industrial base)
- Department of Transportation (transportation industrial base)
- Department of Agriculture (agriculture commodities and food products)

Interos responds to Executive Order Requirements

Executive Order Requirements	Interos Delivers
<p>Agencies and companies will need to comply and map their extended supply chains to the Nth Tier.</p>	<p>Instantly discovers your entire supply chain to the Nth Tier.</p>
<p>Assess companies against a wide range of risks, including defense, intelligence, cyber, homeland security, health, climate, environmental natural, market, economic, geopolitical, human-rights or forced labor.</p>	<p>Uses AI to automatically and continuously perform a comprehensive risk assessment that covers, financial, cyber, ESG, geopolitical, natural and man-made disasters, pandemics, and prohibited and restricted entities lists.</p>
<p>Assess risk posed by resilience on digital products that may be vulnerable to failures and exploitation.</p>	<p>Identifies your digital supply chain and then assesses the the cyber risk of breaches and compromised products for supplier.</p>
<p>Identify supply chains with a single point of failure, single or dual suppliers, or limited resilience, especially for subcontractors.</p>	<p>Once your extended supply chain is mapped, you can quickly identify vendor and geographic concentration risks.</p>
<p>Identify key manufacturing and production sites whose location is at risk.</p>	<p>Provides both firmographic information, which includes corporate offices, warehouse, manufacturing, and distribution facilities, as well as comprehensive risk assessment on each supplier in your extended supply chain.</p>
<p>Identify exclusive or dominant supply of critical goods and materials and other essential goods and materials by or through nations that are, or are likely to become, unfriendly or unstable.</p>	<p>Identifies location of suppliers and sub-tier suppliers and evaluates ownership of suppliers and sub-tier, suppliers against prohibited and restricted lists.</p>
<p>Identify the availability of substitutes or alternative sources for critical goods and materials and other essential goods and materials.</p>	<p>Assess potential substitutes or alternative sources against a wide range of risk factors and variables that align with the ones outlined in the EO.</p>
<p>The report shall identify areas where civilian supply chains are dependent upon competitor nations.</p>	<p>Identifies location of suppliers and sub-tier suppliers and evaluates ownership of suppliers and sub-tier suppliers against prohibited and restricted lists.</p>

The Solution

Interos is the operational resilience company. By mapping, monitoring, and modeling your entire supply chain, we detect vulnerability and distress across global physical and digital supply chains in time to prevent operational disruption, protecting the world's most complex enterprises, their reputation, and market leadership.

Map

- **Discover** – instantly maps your entire supply chain to the Nth tier so you know everyone you are doing business with.
- **Explore** – provides powerful visualization tools to show where suppliers are located, identify potential concentration risk, and uncover any prohibited & restricted entities in your extended supply chain.

Model

- **Plan** – Model anticipated or actual changes in your supply chain to reduce risk and impact business performance.

Monitor

- **Assess** – assesses risk including cyber, financial, operational, geographic, and governance to identify hidden weaknesses in your supply chain.
- **Alert** – alerts you to negative news and changes in risk scores that require immediate response.
- **Respond** – knowing what the risk is, you can focus your team on validating, triaging, and mitigating the exposure.

Key Benefits

Ensure operational resilience

Continuously monitor your extended supply chain so you can manage the risk before your organization feels the impact from:

- Prohibited and restricted entities – countries and companies
- Cyber breaches and compromised products
- ESG – unethical labor, environmental impact, and gender equality
- Counterfeit products
- COVID-19, man-made and natural disasters
- Tech and trade war
- Geographic and vendor concentration risk
- Financially weak partners

Instantly discover who you are relying on

Discover and visualize your extended supply chain to the Nth tier in minutes.

Understand the risk profile of each supplier

Assess prospective, new, and existing entities against multiple risk factors that focus on financial soundness and liquidity, cyber security, geopolitical issues, environmental impact, restricted and prohibited entities, pandemics, natural disasters, and man-made disasters.

About Interos

Interos protects the world's largest enterprises, their reputation, and operations from supply chain attacks by nation states and criminal organizations; disruption from pandemics, tech, and trade wars; and compromise from unethical labor, financial distress, and sustainability challenges.

The Interos business relationship graph contains millions of businesses, billions of relationships, and countless attributes. Using machine learning and natural language processing, we detect entities, infer relationships, monitor events, and assess risk – instantly and continuously.



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