OEM: Weekly SITREP

January 11, 2022
USA & WORLD

- 2021 was a deadly year for weather: 20 disasters killed more than 600.
- Closures, pivots to virtual mount as Omicron overwhelms schools.
- 24% of US hospitals are reporting a "critical staffing shortage."
- Polish leader admits country bought powerful Israeli spyware.
- U.S. Cyber Command executes “first offensive cyber effect operation.”
- Higher Education Outlook 2022.
- ‘Flurona’ has hit the U.S. Here’s what it is and what it means.
- CDC Updates: Isolation and quarantine periods.
- The era of flexible work in Higher Education.
- Covid locked down city thrown into chaos after tracing app crash.
- How much more can healthcare workers take?
- What should companies do to fight burnout?
- WHO official weighs in on Covid, vaccines, & mistakes made.
- DHS taps universities to combat terrorist attacks on soft targets.
- FEMA: New Wildland Fire Mitigation and Management Commission.
- U.S. has the most data breach victims in the world.
- Business continuity, risk management, and resilience predictions 2022.
- Kazakhstan unrest: Internet cut amid fuel protests.
- Chinese company attacks US researchers for exposing its role in spying.
- Chinese national pleads guilty to economic espionage conspiracy.

Vaccines lose their potency over time

- Research suggests that protection against the SARS-CoV-2 virus slides over time even in people who have experienced both SARS-CoV-2 infection and had vaccines against it.
- Scientists are now racing to learn how much Omicron eludes immunity conferred by infection or vaccination.
- It is too early to know what impact the new variant on the block – Omicron – will have.
- Scientists have identified many Omicron mutations as potentially impacting COVID transmissibility, severity, or vaccine evasion.
- Actual data to date is very limited.
Grass Valley announces extensive data breach involving police department.
Quick glance at the governor's proposed 2022 California budget.
Newsom: $2.7 billion COVID-19 emergency response package.
UC Underground Scholars program supports the system-impacted.
Hospitals allow COVID-positive employees to work.
Newsom E.O. extending AB 361 & remote work flexibility.
Maps: See how drought conditions improved in December.
State struggling to staff hospitals and classrooms amid COVID spike.
$5.65 a gallon for gas in California? It could happen in 2022.
Study finds working conditions lead to an increased risk of COVID.
Senate Bill No. 306: at-home tests for sexually transmitted infections.
CalScope: study to determine who carries antibodies against Covid.
State sees highest COVID case & test positivity rates ever.
Omicron: Newsom says shutting schools should be a last resort.
Part-time professors deserve the opportunity for full-time work.
Several police-reform bills are set to take effect in 2022.
Lawmakers have some unfinished business to start 2022.
California adds twist to new CDC advice on quarantines.
Memories, lessons from California's historic floods of '97.
How California’s workplace laws will change in 2022.
The County of Riverside Emergency Operations Center is currently activated to Management Watch.

• Wind advisory for SoCal: gusty winds and warming temperatures.
• American Film Institute hires UCR grad as CAO.
• Plane hit by train after it crashes in LA neighborhood.
• SD County warns of fake COVID-19 testing sites.
• San Diegans urged to not go to ED’s for COVID-19 testing.
• Super Bowl LVII 2022: Officials say COVID won’t stop game at SoFi.
• UCI fires scholar for refusing vaccine.
• UCSD disaffiliates itself from Dr Saiba Varma over publication.
• Water District to receive $1.7 million to construct treatment system.
• RivCo FD dispatched to almost 200,000 incidents in 2021.
• Most of SoCal out of ‘extreme’ drought.
• RivCo Sheriff Deputy shoots, kills man with rifle.
• Insurer gets hit with $155 million jury verdict for retaliation.
• “LA Secure” Mobile Phone App: Enhances Cybersecurity for residents.
• Engineer pleads guilty to terrorism charge targeting USNS Mercy.
• Former SoCal resident pleads guilty to funding ISIS terrorist activities.
• Palm Springs: Covid variants in wastewater noted as significant.

LAPD data shows violent crime rate up 54.2 percent over last year.
COMMUNICATIONS

• 10 January:
  • Provost's Office Hours - Staff

• 07 January:
  • Third AVC-CIO Candidate Vision Seminar – Tuesday, January 11th
  • Notice of Planned Power Shutdown Affecting IT Services
  • Extension of Remote Instruction

• 06 January:
  • FitWell Programming – Virtual Fitness for Everyone

• 05 January:
  • Second AVC-CIO Candidate Vision Seminar – Friday, January 7th

• 04 January:
  • Workplace Health and Wellness January Webinar – Managing Debt

• 03 January:
  • AVC DEI Search Update – Application Deadline Extended & Office Hour
  • Provost's Office Hours 2022

Please Reference Notes Section For More Information
NOTABLE

- Online Radicalization Observed on a Spectrum
- UN: Impact of the COVID-19 pandemic on terrorism & countering violent extremism
- Overview of the Global Internet Forum to Counter Terrorism: 2017 - 2021
- Top 15 cybersecurity predictions for 2022
- Cyber Warfare: What To Expect in 2022
- The Future of Ransomware
- DEA: Operation Engage
- Threat Report on the Surveillance-for-Hire Industry
- China’s Narrative War on Democracy
- Justice Department: $1.6 Billion to Reduce Violent Crime and Strengthen Communities
- New NOAA tool pinpoints natural disaster risk down to county level
- How a Scientology-linked cult’s methodology was used to gamify Identity Politics
- San Bernardino City Unified School District: Daily Situation Summary
- How U.S. Universities Support China’s Military-Industrial Complex
- 2022-2026 FEMA Strategic Plan
- Economic applications in disaster research, mitigation, and planning
- DEA: Criminal drug networks are flooding the U.S. with deadly Fentanyl via Social Media
- New podcast series examines supply chain threats
- 2021 Cyber Review: The Year Ransomware Disrupted Infrastructure
- The Extortion Economy Podcast: Exploring the Secret World of Ransomware
Supply Chain Disruption

- Average shipping delays skyrocketed over the past year and a half.
- Ships at the Port of Los Angeles, for example, stayed at berth for as long as 12 days.
- The 2018 average was 0.713 days.
- Sporadic disruptions to the global supply chain include:
  - Suez Canal blockage in late March
  - COVID-19 outbreaks in May in Shenzhen, China
  - Hurricane Ida in August in the US
  - Typhoon Chanthu in September in Guangdong, China
- These disruptions cumulatively caused the various delays of shipment volume seen arriving at infrequent times at facilities in California & stressed the ports of Los Angeles and Long Beach, which account for about one-third of US imports.

Organizations need to reassess and look beyond traditional supply chain partners, methods and technologies.
Supply Chain: Is the worst over?

- Some indicators are starting to signal that global supply chain stress may be on the wane.
  - Ships & Ports
    - Port congestion has eased – backlog remains
    - BAU projection: May 2022
  - Inventories
    - Shortages to intensify at the end of 2021
    - Bottlenecks begin to clear by the first quarter of 2022
  - Chip shortages
    - Semiconductors outlook is murkier
    - May take two to three years for the market to normalize
  - Covid
    - Global management of Covid trending in the right direction making production disruptions less likely
    - However, if we fail to get a handle on the pandemic, we're going to end up having the same issues again and again

The coming months will show if the snarl-ups portend a toxic scenario of stagflation for the world economy or are just a bump in the road to recovery.
Supply Chain Gridlock: CA Agriculture

UCOP Report analyzes the effects of the 2021 supply chain gridlock and resulting shipping container shortage on California agriculture.

• Due to exporters’ difficulty obtaining empty shipping containers, the value of California’s containerized agricultural exports fell by an estimated $2.1 billion, about 17%, from May to September 2021.
• Financial damages suffered by California agriculture from the supply chain disruptions exceed the industry’s losses from the 2018 U.S.-China trade war.
• The lost farm exports mirror the fact that California ports are among the least efficient in the world.
• As a result, some importers now view California as an unreliable supplier of agricultural products due to inferior port infrastructure.
• Farmers bore the brunt of these losses, with tree nuts, wine, rice, and dairy products suffering significant economic damages.
• The competitiveness of California agriculture in the world market is now being threatened by inadequate transportation infrastructure.
Examples of Global Supply Chain Risk

- Ongoing and worsening wildfires
- Growing priority for air pollution and green legislation
- Continued and worsening truck driver and product shortages, including automobile and medical shortages
- Increased frequency and severity of storms and flooding
- Ongoing labor shortages and reduced operational capacity
Natural Disaster Exposure

- In 2021, several regions around the world experienced devastating wildfire seasons.
- As the year draws to a close, we have seen extensive regions experience intense and prolonged wildfire activity.
- This emphasizes the exposure of business operations to natural disasters.
- These risk ratings mean that companies operating within these countries are susceptible to a wide range of natural disasters that occur frequently and may cause large amounts of economic damage or impact large numbers of people and important industries.

40 percent of the world’s exports originate in countries having a Severe or High risk of natural disaster exposure.
The 5 questions essential to answer to ensure a successful supply chain strategy for 2022.

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<td>Against a backdrop of irreversible climate change and economic uncertainty, what do we really need to know about our suppliers?</td>
<td>As regulatory regimes evolve, how do we ensure we make the supply chain decisions that can shape business success and a cleaner, greener planet?</td>
<td>How do we best address the key geographic and sector pain points in a changed and changing world?</td>
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<td>How do we adapt to the current convergence of multiple business challenges?</td>
<td>What are the key emerging trends for 2022 and beyond and how do we unlock the potential they offer?</td>
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“Continuing to follow the risk assessment process is a key factor in how well organizations remain resilient to these ever-changing risks in both supply chains and the world in general.”
Managing Supply Chain Risk

- Risk management is a key part of supply chain strategy, and agility and adaptability are the outputs of the planning and preparation process to manage the disruptions that you may encounter.

- So how do you measure up to your risks?
  - Identify/clarify risks
  - Prioritize the likely risks
  - Quantify the impact
  - Develop contingency plans
  - Conduct the cost/benefit Analysis

Supply-chain risk ultimately lies at the cross-section of vulnerability and exposure. A robust mitigation framework considers these factors and prioritizes risk across three dimensions to ensure **effective mitigation and continuity planning**: the likelihood of the risk manifesting, the financial impact, and the organization’s ability to mitigate.
Business Continuity & Supply Chain Risk

Worldwide uncertainty following recent disasters suggests that while awareness of supply chain risks is increasing, many businesses remain exposed to high levels of risk.

Understanding your exposure to supply chain risk – both upstream and down – helps to identify the weakest links

Key Questions

- How well do you understand your supply chain exposures?
- Do you know who is important to you in a crisis?
- Do you know your priorities in the event of supply disruption?
- Have you examined BCM capability within your key suppliers?
- Are you planning collaboratively with supply chain partners to build greater resilience?
- Do you consider business continuity management when extending or optimizing your supply chain?
- Is supply chain risk management integrated with business continuity planning?