

National Preparedness for Surge Capacity

Protecting Critical Assets Against Threats and Vulnerabilities



Serving Government Customers
Globally

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Presented at ZUKUNFTSFORUM ÖFFENTLICHE SICHERHEIT



Preparedness & Planning Challenge

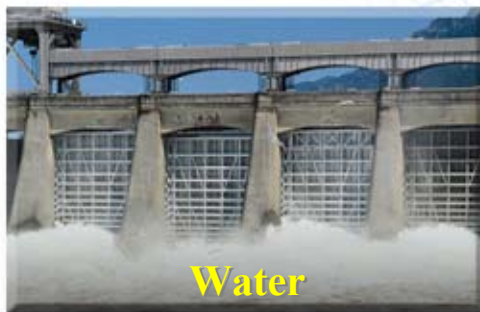
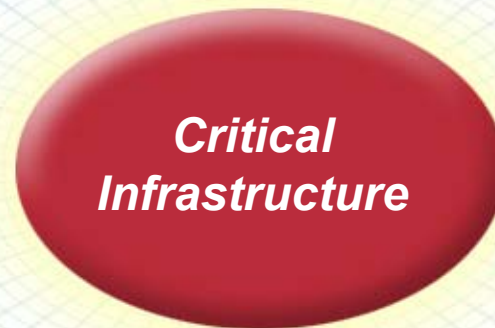


Event Probability

High Probability Low Consequence	High Probability High Consequence
Low Probability Low Consequence	Low Probability High Consequence

Event Consequence

Continuity of Operation of Critical Infrastructure

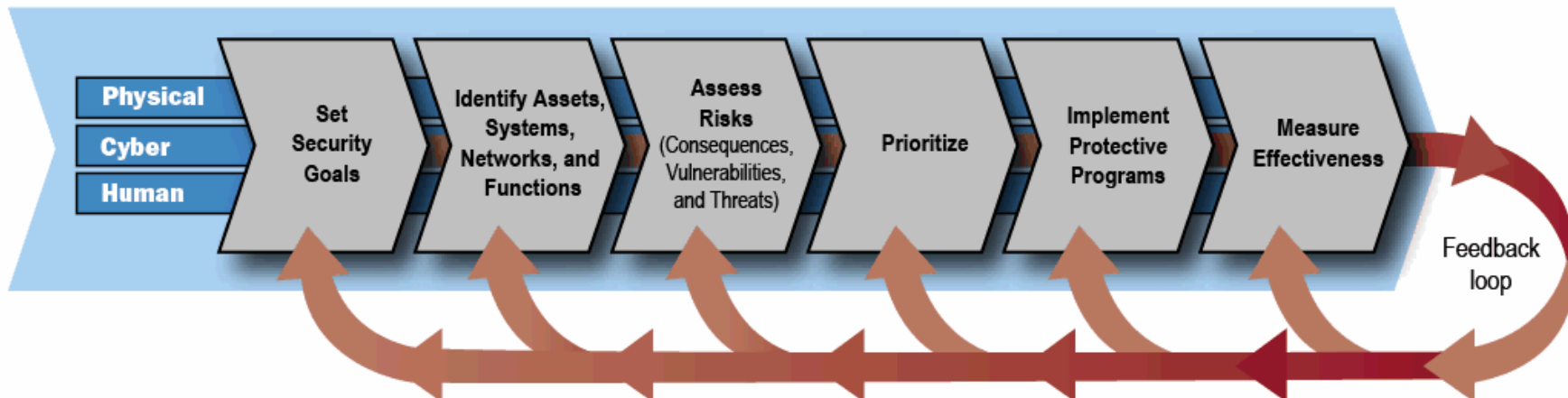


Safety & Security Planning & Response

- 
- **Ports**
 - **Air & Ground Transportation**
 - **Water**
 - **Food Supply**
 - **Shipping**
 - **Electric Power**
 - **Public Buildings**
 - **Government Buildings**
 - **Sports Complex**
 - **Entertainment Centers**
 - **Large Events**
 - **Persons**

Continuity of Government & Business Continuity

- Protecting National Critical Infrastructure is becoming a priority funding area for the emergency preparedness segment. At the heart of this theme lies the concept of risk assessment. Risk assessment points to human, physical and cyber vulnerabilities that can then be protected.



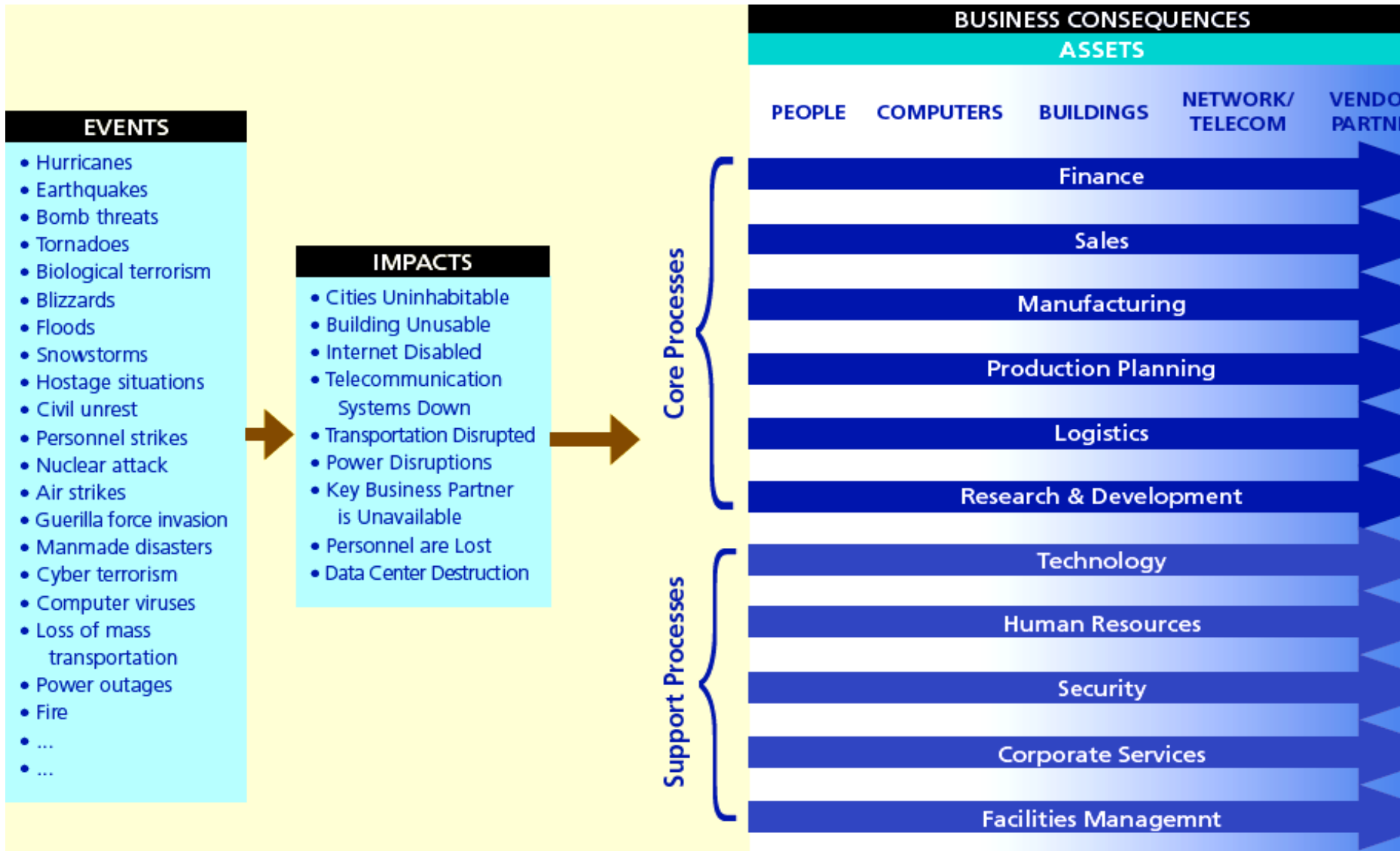
European Areas of Significance

Security solution	Paid for by
Person access control	1. Boarding transport (e.g. aircraft, train) – <i>Paid for by transport companies and passed on within transport fares</i>
Person scanning	2. Crossing border – <i>Paid for within transport companies and passed on within transport fares (air/sea border), or by government from taxation (land border)</i>
Luggage scanning	3. Entering protected building or site – <i>Paid for by building/site user</i>
Vehicle access control	1. Boarding ship/train – <i>Paid for by transport companies and passed on within transport charges</i>
Goods integrity control	2. Crossing air/sea border - <i>Paid for within transport companies and passed on within transport fares</i>
Vehicle/ container/ goods scanning	3. Crossing land border <i>Paid for by government from taxation</i> 4. Entering protected building or site – <i>Paid for by building/site user, but passed on to customers by users who are commercial organisations</i>
Perimeter protection	<i>Paid for by building/site user, but passed on to customers by users who are commercial organisations</i>
Land border surveillance	<i>Paid for by government from taxation</i>
Remote surveillance	1. Public area – <i>Paid for by area user, but passed on to customers by users who are commercial organisations</i> 2. Public roads - <i>Paid for by government from taxation</i> 3. Other transport network – <i>Paid for by transport companies and passed on within transport charges</i> 4. Energy supply network – <i>Paid for by energy users</i>
Water quality checking	<i>Paid for by water companies and passed on in water charges</i>
General intelligence	<i>Paid for by government from taxation</i>
Ship and port protection	<i>Paid for within shipping and port companies/authorities and passed on within transport charges</i>
Maritime border protection	<i>Paid for by government from taxation</i>
Airspace protection	<i>Paid for by government from taxation</i>
CBR release detection	1. Public areas - <i>Paid for by users of the area, but passed on to customers by users who are commercial organisations</i> 2. Public events – <i>Paid for by government but passed on to event organisers and thence to event attendees</i>
EMP protection	1. Equipment - <i>Paid for in equipment costs</i> 2. Networks – <i>Paid for by network owners but passed on to customers</i>
Data and data network protection	1. Equipment and network within an organisation/agency - <i>Paid for by that organisation/agency</i> 2. Network between organisations/agencies – <i>Paid for by arrangement between the organisations/agencies served</i>

U.S. Areas of Significance

Sector-Specific Agency	Critical Infrastructure/Key Resources Sector
Department of Agriculture ¹ Department of Health and Human Services ²	Agriculture and Food
Department of Defense ³	Defense Industrial Base
Department of Energy	Energy ⁴
Department of Health and Human Services	Public Health and Healthcare
Department of the Interior	National Monuments and Icons
Department of the Treasury	Banking and Finance
Environmental Protection Agency	Drinking Water and Water Treatment Systems
Department of Homeland Security <i>Office of Infrastructure Protection</i>	Chemical Commercial Facilities Dams Emergency Services Commercial Nuclear Reactors, Materials, and Waste
<i>Office of Cyber Security and Telecommunications</i>	Information Technology Telecommunications
<i>Transportation Security Administration</i>	Postal and Shipping
<i>Transportation Security Administration, United States Coast Guard⁵</i>	Transportation Systems ⁶
<i>Immigration and Customs Enforcement, Federal Protective Service</i>	Government Facilities

Business Continuity




Govt Emergency Preparedness Responders

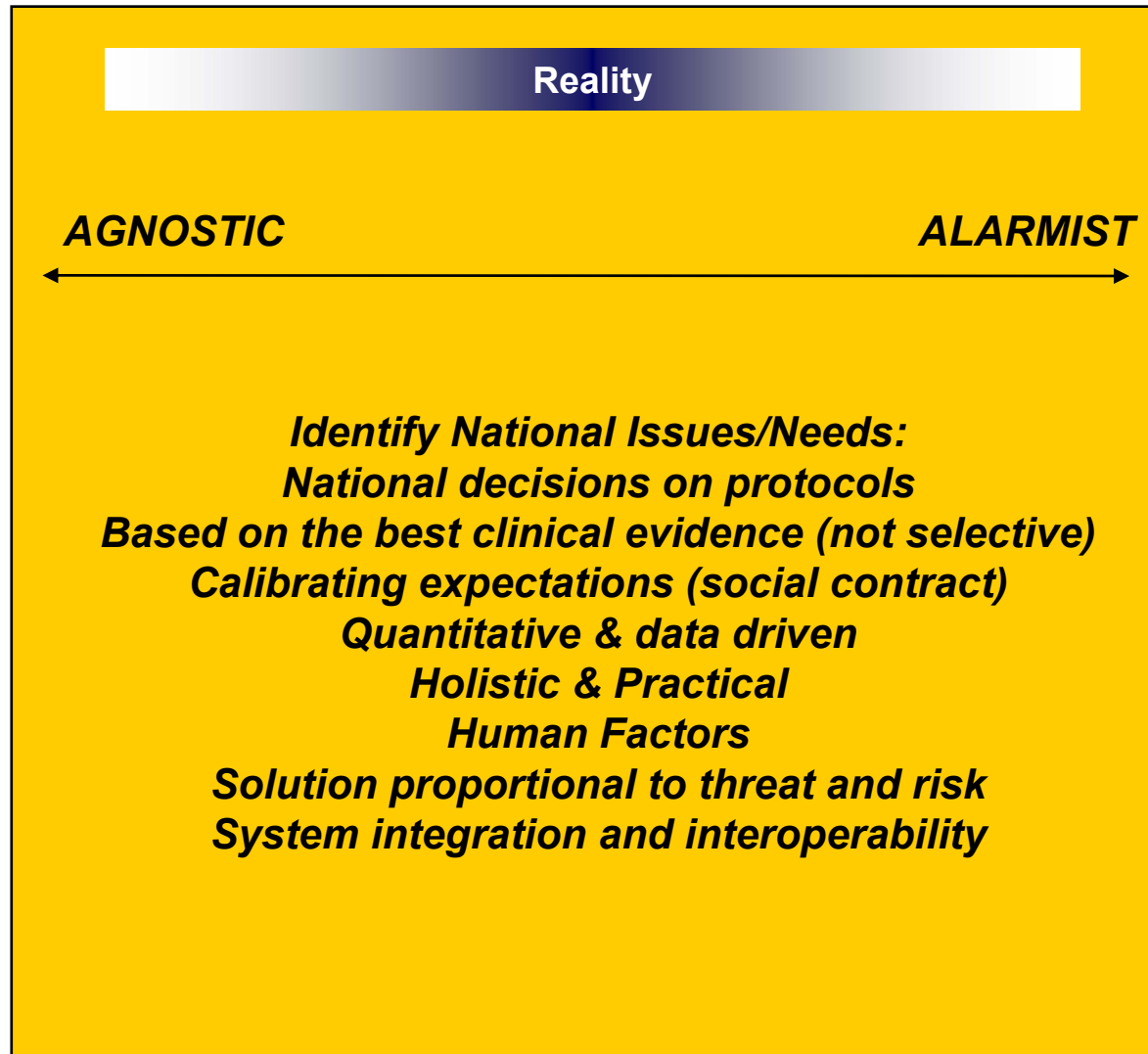
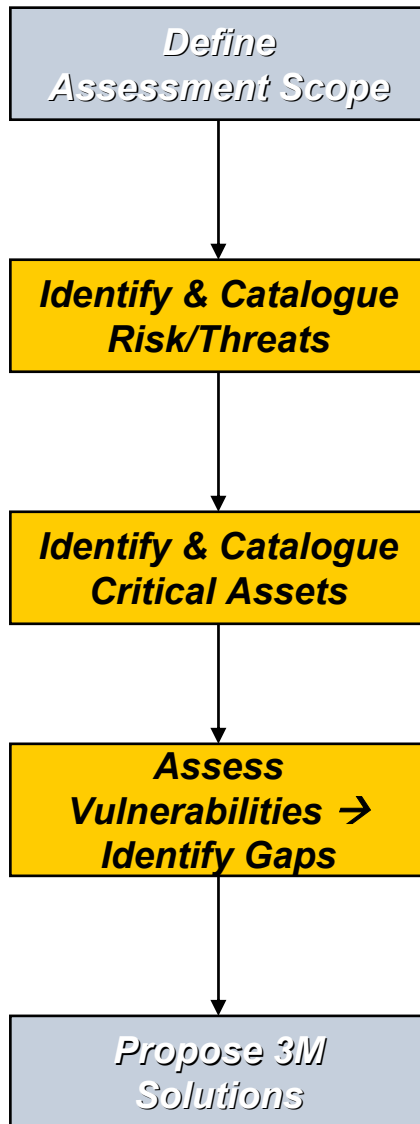
Customers	Hospitals & Public Health	First Responders Civil Defense	Military	National Infrastructure	Businesses
Preparedness Plans					
Public Health Events					
Accidents					
Disasters					
Terrorism					
Large Event Mgmt					
Maintenance & Repair					

3M Worldwide
All-Hazards

Physical Safety & Security Risk Assessment

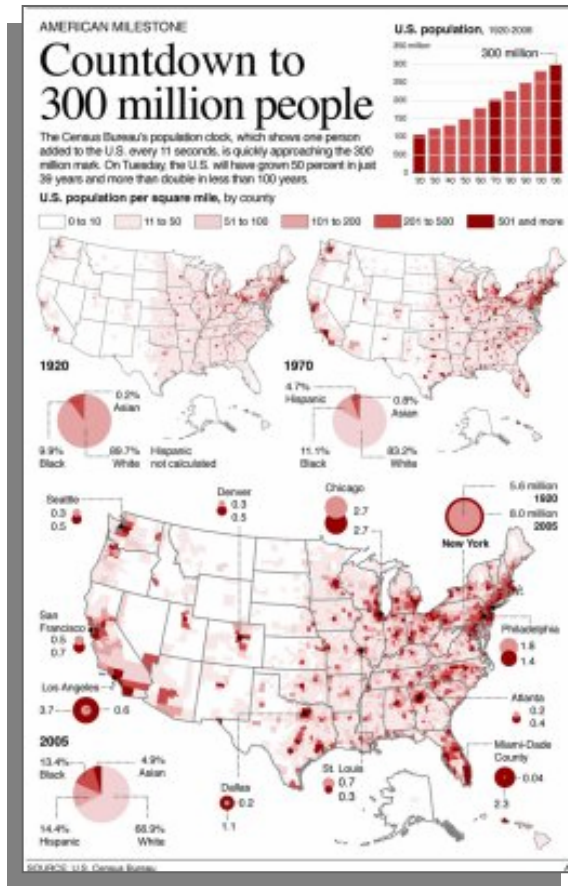
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- 1. What are your risk scenario of concern?**
 - 2. What do you want your Minimum Readiness Level to be for each risk?**
 - 3. What assets (infrastructure or human) do you want to protect?**
 - 4. Which assets have greater vulnerability against each of your risks?**
 - 5. How well do your plans mitigate the risks?**
 - 6. What are the gaps?**

Physical Safety & Security Risk Assessment

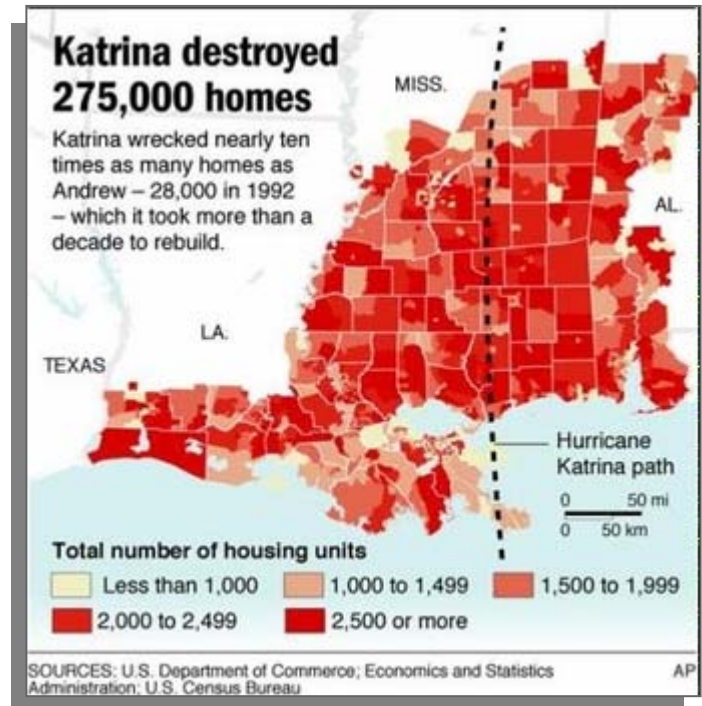


Surge Capacity Simulation

Demographic Based



Asset Based

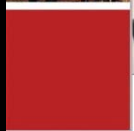




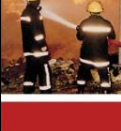
3M *Surge Capacity Demand Planner*

for Personal Protective Equipment

3M Emergency Preparedness & Response



Government Markets



3M *Business Continuity Surge Capacity Demand Planner*

for Personal Protective Equipment

3M Emergency Preparedness & Response

Government Markets




3M *Risk Assessment Hazard & Threat Vulnerability*

3M Emergency Preparedness & Response



Live Simulations

- 
- **Detailed:**
 - *Pandemic Influenza Across Entire country*
 - **Highlights:**
 - *Chemical Plant*
 - *Underground Transit Station*
 - *Airport*



Serving Government Needs Worldwide

We aspire to have Governments recognize 3M as a strategic partner and solution provider assisting them in fulfilling their promise of better national infrastructure, health, safety, security, and defense to their citizens.