

A landscape with a large plume of white smoke or dust rising from the ground, partially obscuring the sun in the sky. The scene is set in a valley with rolling hills and a dirt road winding through the foreground. The smoke is thick and billowing, creating a dramatic atmosphere. The sun is visible as a bright spot in the sky, partially hidden by the smoke.

The Strategic Environment

Why the Artillery Matters in Large Scale Combat Operations

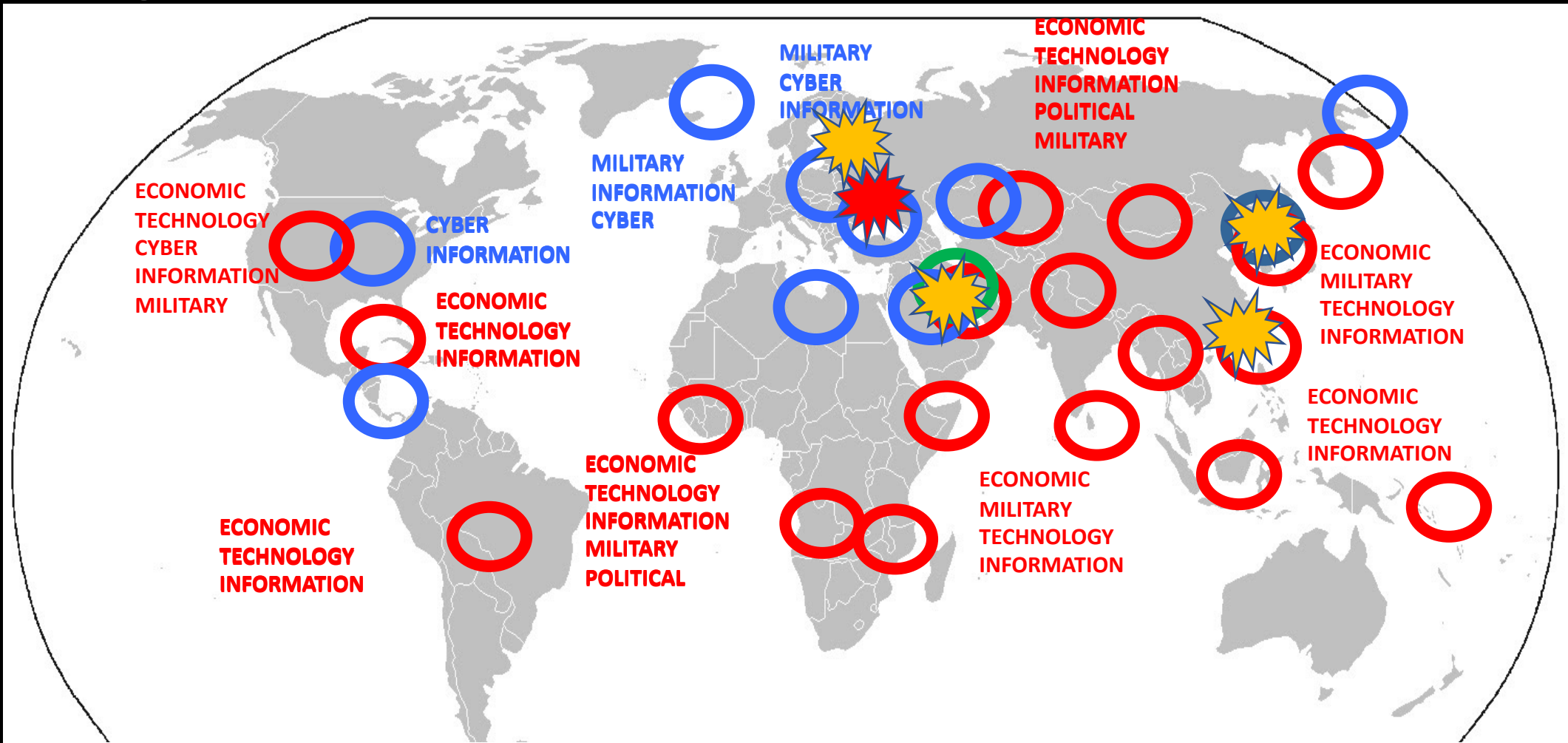
Perspectives on the Imperative For Long-Range Fires

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- **Strategic Environment**
- **The enduring imperative – initial impressions from Ukraine**
- **Some challenges facing the fires enterprise**
- **The way ahead – make technology work for you**

Perspectives on the Imperative For Long-Range Fires

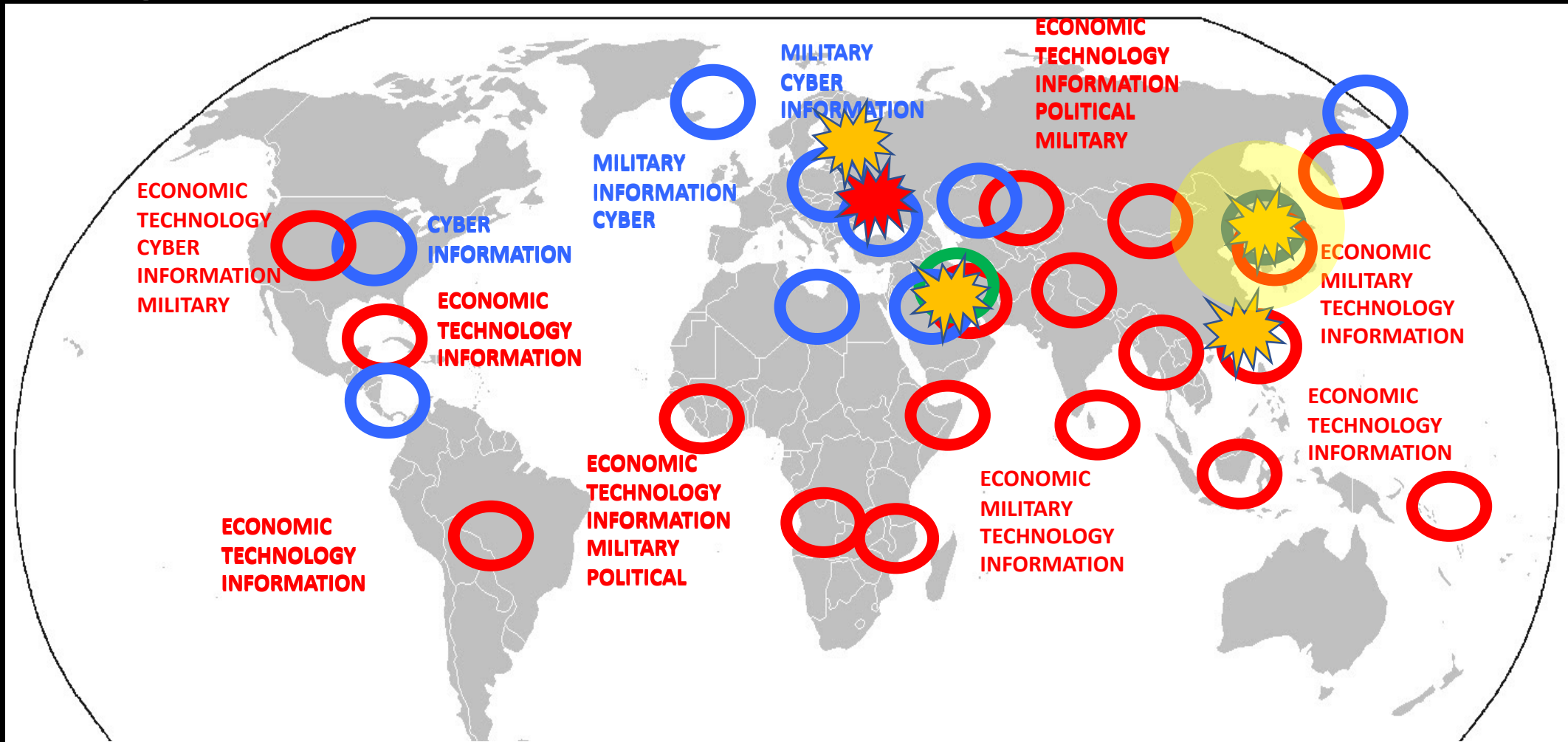
- Strategic Environment



The US is contested globally while facing dangerous regional flashpoints and conflicts that challenge the US at speed and scale

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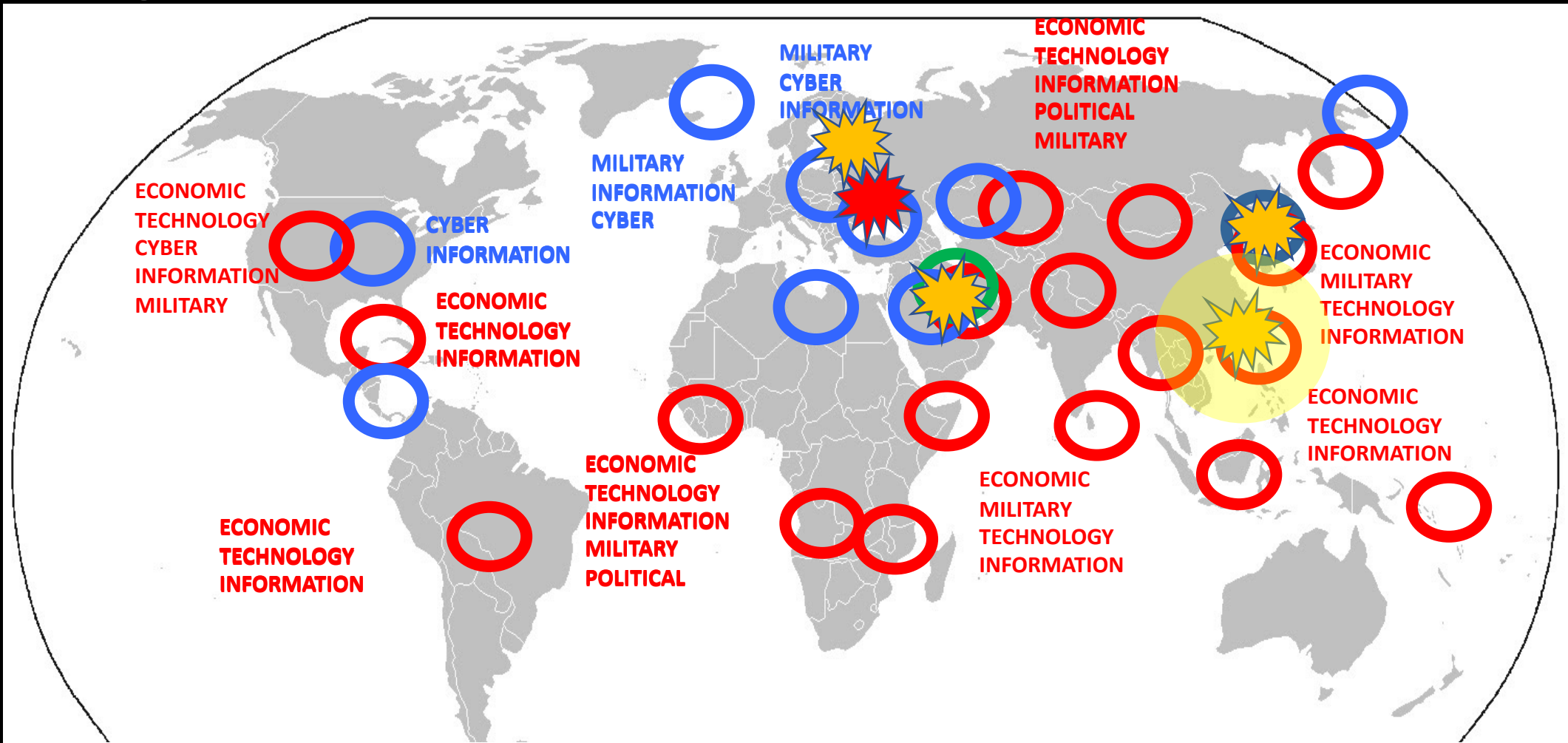
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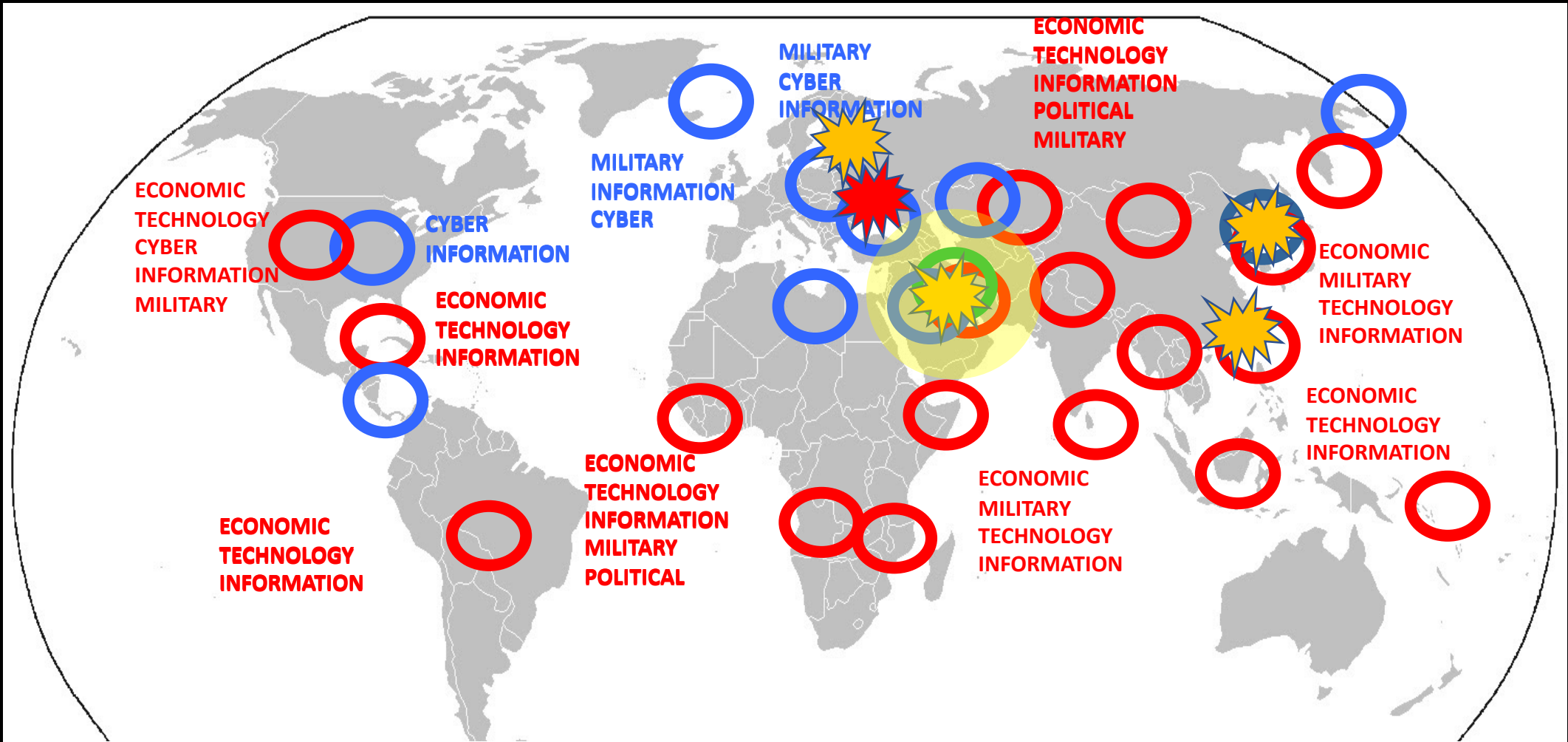
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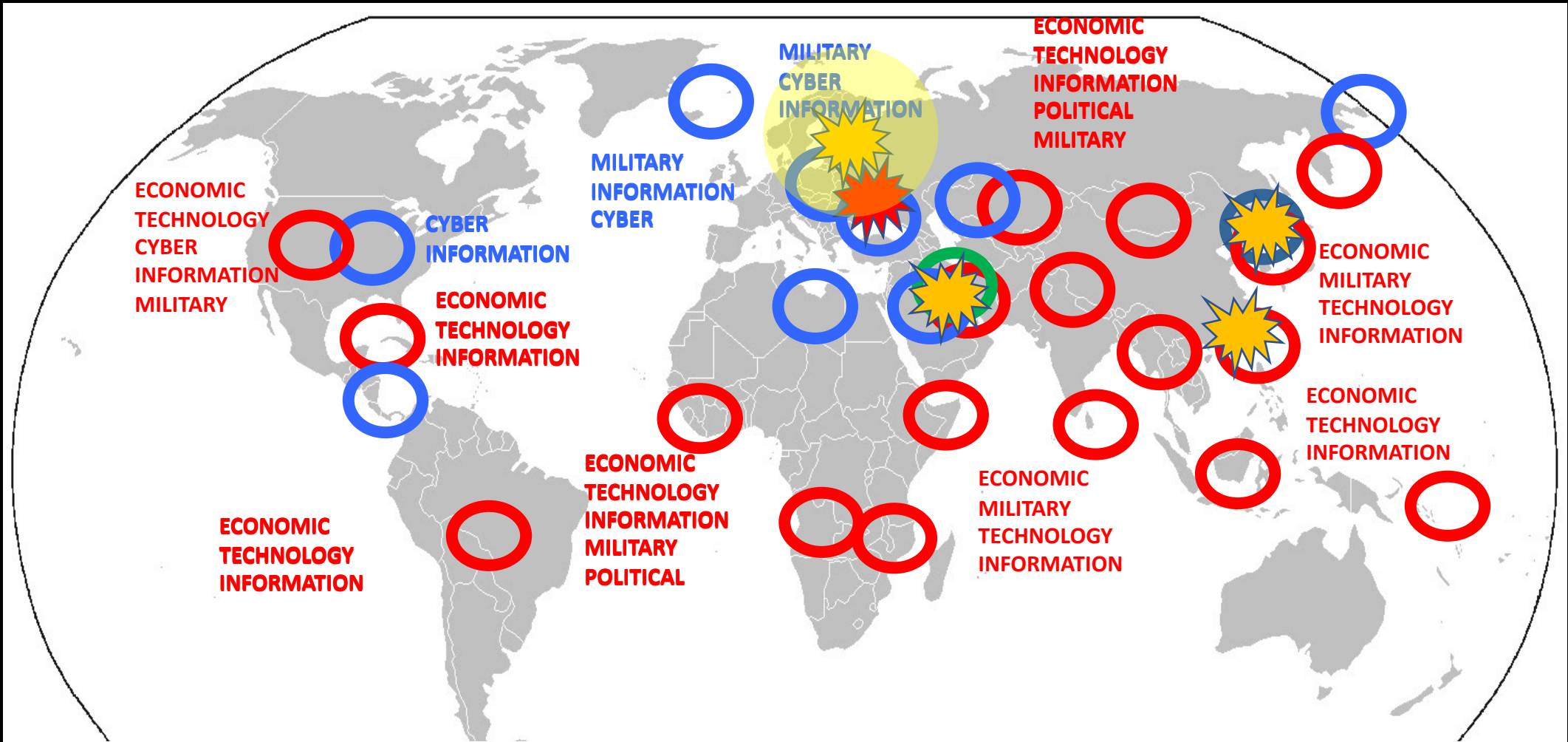
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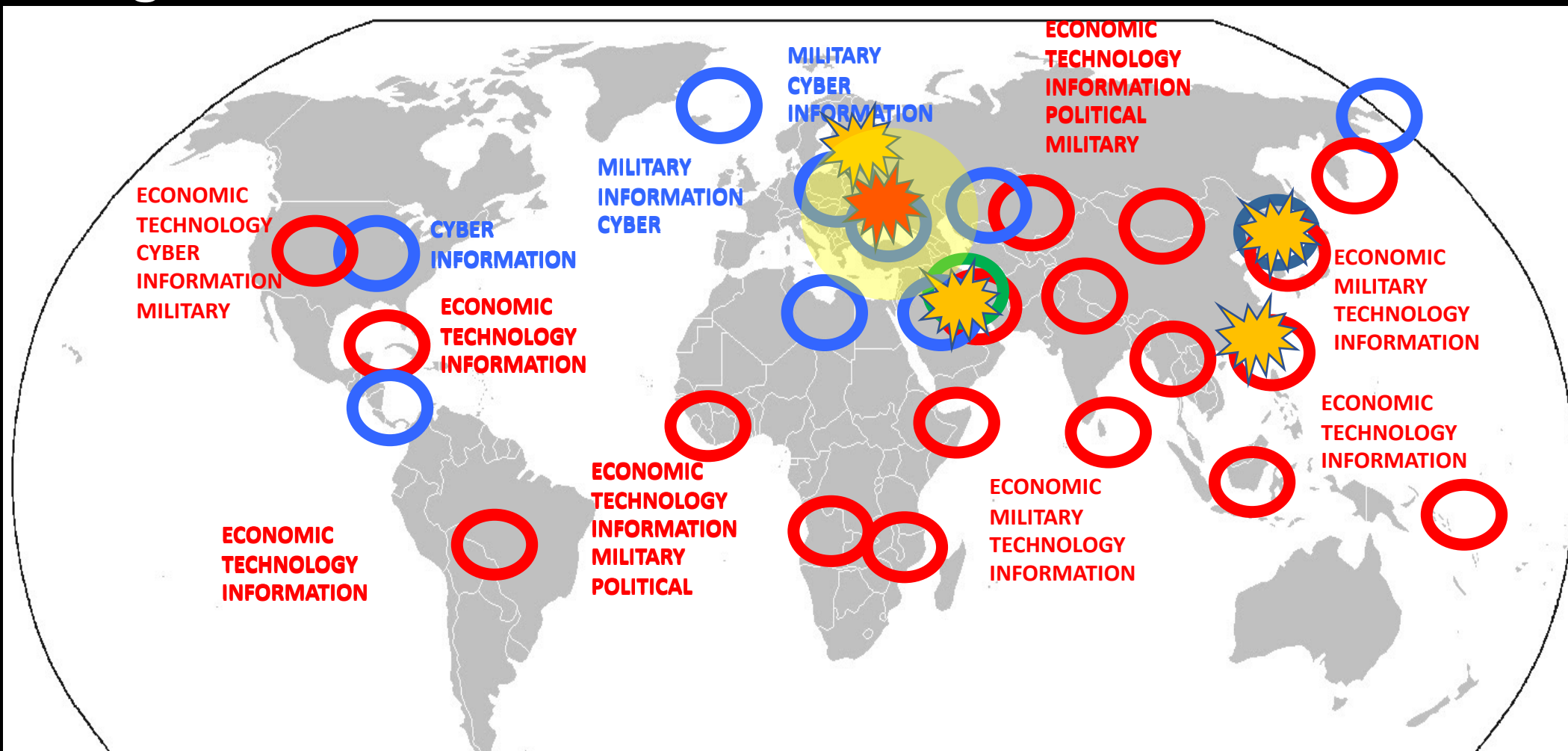
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Perspectives on the Imperative For Long-Range Fires

“As a senior adviser to General Valerii Zaluzhnyi, commander of the Armed Forces of Ukraine, noted, ‘anti-tank missiles slowed the Russians down, but what killed them was our artillery. That was what broke their units’.”

“Operation Z: The Death Throes of an Imperial Delusion” RUSI

Artillery remains the King of Battle



Perspectives on the Imperative For Long-Range Fires

- Make technology work for you ... Energetics



Perspectives on the Imperative For Long-Range Fires

- Make technology work for you ... Automation



2-CT Hawkeye 105mm Mobile Howitzer System



Caesar 155mm Artillery System

Perspectives on the Imperative For Long-Range Fires

The US is contested globally by peer and near peer adversaries and faces dangerous regional flashpoints and ongoing conflicts that challenge the US at speed and scale

Threats posed by China, Russia, and others and insights from recent conflicts and combat underway in Ukraine confirm the imperative for and challenges to long-range fires

Meeting the immediate challenges of range, speed, scale, endurance, survivability, and sustainability, and those to come, requires we proliferate more systems that are

- More mobile, more lethal, and cost-effective**
- Fire at greater range, are networked across platforms, munitions, and sensors at those extended ranges, and**
- Operate dispersed, with reduced crews, greater munition options, and deeper, on-board magazines of smaller, more effective munitions**

Efforts to modernize the artillery enterprise should focus here: more “guns,” more, smaller ammunition, and smaller crews to provide more, more mobile, significantly more effective, and operationally, logistically, and programmatically efficient systems

Act now. Programs to meet these changes are late to need