

Counterspace Capabilities: An Update

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- Existence of counterspace capabilities is not new, but the circumstances surrounding them are
- *Global Counterspace Capabilities: An Open Source Assessment*
 - Significant research and development of a broad range of kinetic (i.e. destructive) and non-destructive counterspace capabilities in multiple countries: direct ascent, co-orbital, electronic warfare, directed energy, cyber
- US, Russia, China, Iran, North Korea, India, France, and Japan
- *Only non-destructive capabilities are actively being used in current military operations*
- French, Spanish, Mandarin, and Russian language versions of the executive summary available; all (and whole document) available for free at www.swfound.org/counterspace

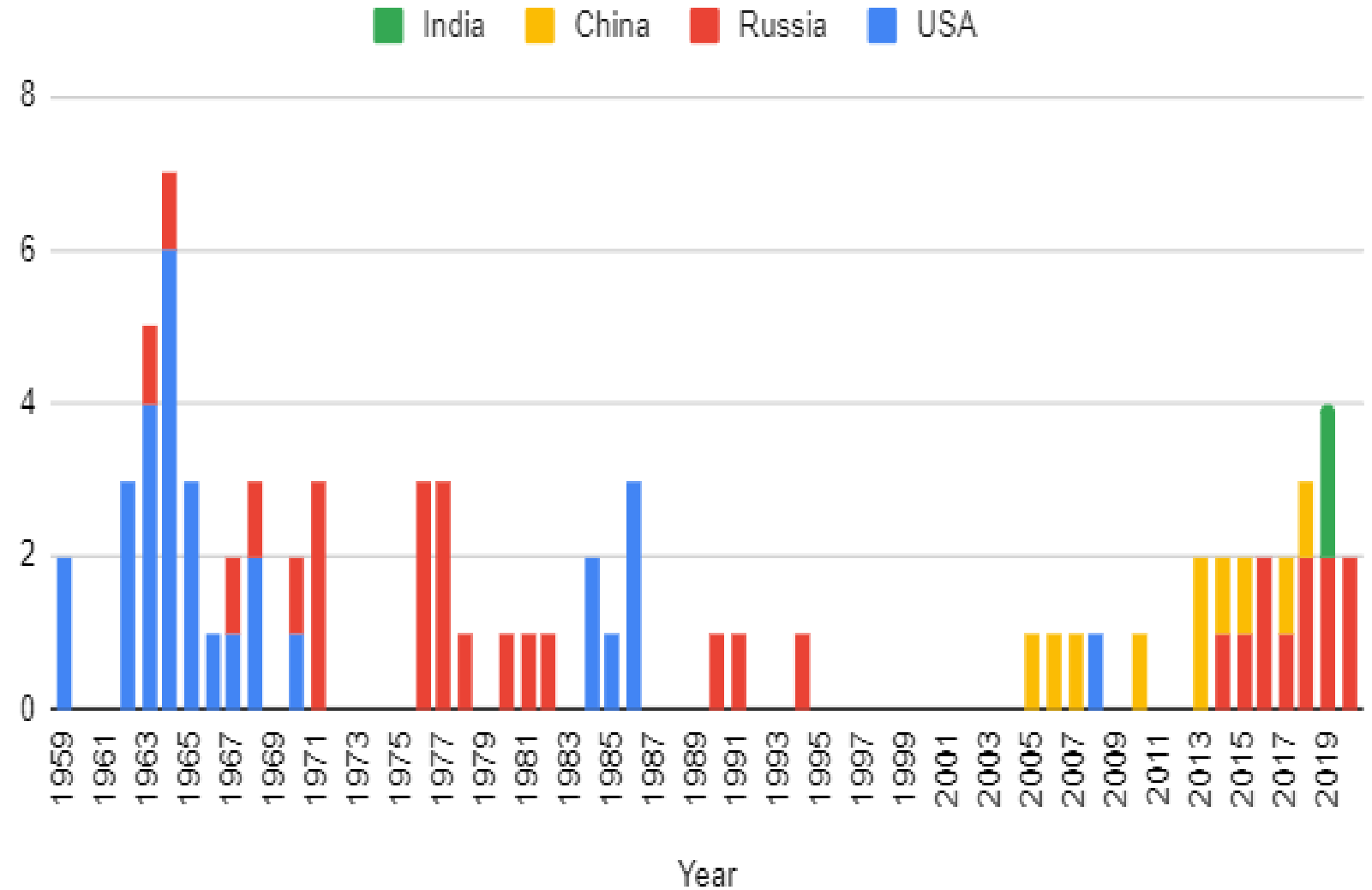


	China	Russia	U.S.	France	India	Iran	Japan	North Korea
LEO Co-Orbital	Y	G	Y	R	R	R	R	R
MEO/GEO Co-Orbital	Y	Y	Y	R	R	R	R	R
LEO Direct Ascent	G	Y	Y	R	Y	R	R	R
MEO/GEO Direct Ascent	Y	Y	Y	R	R	R	R	R
Directed Energy	Y	Y	Y	Y	R	R	R	R
Electronic Warfare	G	G	G	Y	Y	Y	R	Y
Space Situational Awareness	G	G	G	Y	Y	Y	Y	R

Legend: none **R** some **Y** significant **G**



ASAT Tests By Country and Year



Since 2005, there have been more than 20 tests of ASAT weapon systems in space by four countries, a rate of testing that has not happened since the 1960s



Questions? Thanks.

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