

Slowing the Proliferation of Major Conventional Weapons: The Virtues of an Uncompetitive Market

*Jonathan D. Caverley**

As with gasoline, Coca-Cola, and heroin, global demand for major conventional weapons is both massive and hard to counteract. Moreover, one cannot understand any of these markets without acknowledging the crucial role played by the United States. This essay employs both of these insights to analyze the global production and sale of the principal tools of war, including fighter aircraft, armored vehicles, naval vessels, and the munitions they deliver.¹ In doing so, it argues that a power such as the United States—indeed perhaps only the United States—can develop an effective, if self-serving, international order for moderating arms transfers in a world of ongoing international competition, weak norms, fuzzy laws, and shallow institutions.

To paraphrase Harold Lasswell's famous definition of politics, international relations is largely a matter of who gets what weapons, when, and how. Exporting weapons remains the practice of many states and the ambition of many more. The pressures of international politics not only push states to defend themselves but also encourage economic nationalism and pride—the three primary justifications for a domestic arms industry and the exports to support it. On top of this, many countries believe, often incorrectly, that large economic and political gains result from selling weapons abroad. For these states, a healthy arms export business serves as both a signal of international power and a means of exercising it.

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Proliferation of major conventional weapons (MCW) in larger numbers, at greater levels of sophistication, and to more actors is at best a waste of valuable resources and at worst fuel for more and bloodier conflicts.² Imported weapons are used to repress local populations as well as to fight international wars.³ Beyond that, as much as 40 percent of the world's corruption has been associated with the arms trade.⁴ Given this track record of violence, repression, and graft, norms against exporting weapons to active conflicts and human rights abusers, as well as norms in favor of transparency in weapons transfers, have grown more salient in recent years. The 2014 UN Conventional Arms Trade Treaty (CATT), for example, may appear to be a positive step in encouraging, if not enforcing, such behavior, but compliance with CATT and other, less formally expressed norms has been limited. As of mid-2017, ninety-two states have ratified or acceded to the CATT, but four of the most important market-makers in the global arms trade—Russia, China, India, and Saudi Arabia—have not signed the treaty. Indeed, observers actually complain of a recent *decline* in defense transparency through much of the world.⁵

The limited effect of multilateral cooperation in a world of increasing arms transfers prompts this essay to suggest a counterintuitive means of limiting the spread of such conventional weapons. If one accepts that demand for weapons will remain high, that many countries aspire to provide them, and that reducing global arms sales is normatively desirable, then an uncompetitive market—where prices are higher, orders are lower, and less technology is transferred—will shape arms transfers in a positive way. Given the inelastic nature of this demand, a monopoly or, better yet, a cartel provides the most feasible means of moderating supply. Only one country has the capacity to create such a market.

The first two sections of the essay describe the United States' distinctive position as a MCW supplier, both in terms of its market share and in terms of its unique portfolio of buyers. Sections three and four detail how the United States is already using its position to curb MCW exports to problematic regimes. The final two sections argue that although U.S. market dominance may be slightly eroding and its policy of "unilateral restraint" may be fading, the United States can still leverage its market power to create and lead an informal cartel of MCW exporters. Although such an arrangement may be motivated by pure self-interest, it will go a long way toward slowing MCW proliferation.

INCREASED DEMAND, EAGER ENTRANTS

After a remarkably brief dip following the end of the cold war, global expenditure on weapons has risen steadily. While much of the focus has rested on the efforts of China, India, and Russia to upgrade their hardware and expand their power-projection capabilities, arms races appear to be accelerating among smaller countries in Asia and the Middle East. Overall, the volume of international MCW transfers grew by 8.4 percent between the five-year periods of 2007–2011 and 2012–2016.⁶ According to the U.S. State Department, nearly 1 percent of all global trade is in weapons.⁷

The increasingly sophisticated nature of these weapons creates an important tension in their production. Even as demand rises, the development and construction of high-end MCW are sufficiently challenging that few countries and firms can produce them indigenously.⁸ Consequently, nearly every country, including rising powers such as China and India, must import large portions of their arsenals. The few states that have the ability to manufacture and export weapons use this ability to advance a variety of international and domestic political goals. Accordingly, despite daunting barriers to entry, states as varied as Brazil, South Korea, and Turkey desperately seek to enter this tantalizing market.

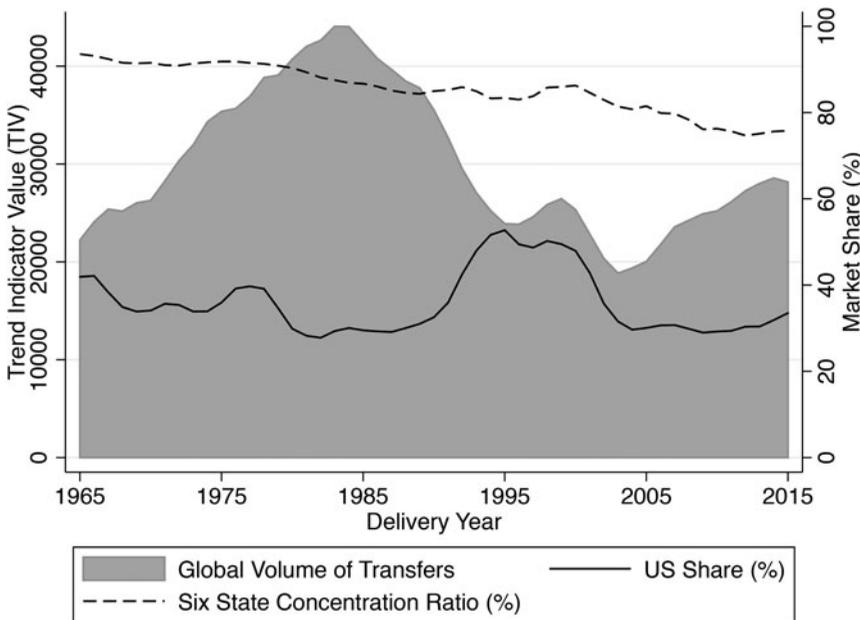


Figure 1: Volume and market shares of global arms transfers, 1965–2015 (four-year moving averages)

Figure 1 gives a snapshot of three trends in the global arms market using data from the Stockholm International Peace Research Institute (SIPRI) on weapons deliveries.⁹ During the cold war the global arms trade settled into a relatively duopolistic market that reflected superpower politics, supplemented by competitive exports from major European states backed by relatively large amounts of domestic defense spending. Unsurprisingly, the gray area in Figure 1 shows the bottom falling out of this market as global defense spending retrenched following the cold war. However, total global arms transfers have risen steadily over the past decade.

The dashed line in Figure 1 shows trends in the “concentration ratio” of suppliers to the market by summing the market shares of the six traditionally largest sellers: the United States, Russia (Soviet Union), France, Germany, Italy, and Great Britain. Its consistently high value indicates that at the state level, global arms transfers have always been highly oligopolistic. Competition does vary, however; as the volume of transfers rose during the cold war, alternate suppliers emerged. Concentration, and thus the potential for competition, stagnated after the cold war as purchases dropped precipitously, but it has grown again as arms transfers have recovered more recently. The global arms market, while still highly concentrated, has not been this competitive since the end of World War II. Finally, the solid line shows that while the United States remains the global leader in the arms trade, its share as a percentage of the market has dropped to historically low levels. At first glance, then, the rise in arms transfers correlates to increased competition among suppliers, more broadly, and lower U.S. market share, more specifically.

COMPETITION AMONG BUYERS VS. COMPETITION AMONG SELLERS

Thanks to its large domestic consumption and numerous export deals, the United States is shielded from dependence on and demands by its clients in ways undreamed of by any other arms exporter. Other weapons-exporting countries rely on relatively fewer buyers, which means they enjoy less influence over clients, feel more pressure to transfer technology, and engage in more corruption to make sales. In his definitive book on the global arms trade, Keith Krause lays out the consequence of these forces on “second-tier producers,” which “are much more prone to sacrifice or dilute their technological lead in order to maintain their productive base, and are much more reliant upon export opportunities. They are

therefore less likely to demand end-use restrictions, and hence reliance may not translate into dependence.”¹⁰

Unsurprisingly, the United States has the most diverse export portfolio in the world. Its two biggest customers, Saudi Arabia and the United Arab Emirates, account for 13 percent and 9 percent of all U.S. arms deliveries since 2012, respectively. Another thirteen heterogeneous states account for 3–6 percent each. More surprisingly, Russia, despite being the second largest global supplier of weapons, sells weapons to a very small group of buyers. For example, 39 percent of its exports go to India, and 11 percent each go to Vietnam and China. Similarly, China sends 63 percent of its arms exports to only three countries: Pakistan, Bangladesh, and Myanmar. A shift of any one country away from Chinese or Russian imports would be devastating for its respective industry, leaving buyers largely in the driver’s seat, demanding lower prices, more bribes, and larger technology transfer. In contrast, European suppliers have a relatively diverse group of client states, if not quite as broad as the United States. That said, nearly half of recent British exports have gone to Saudi Arabia.¹¹

Strong domestic demand generally mitigates the pressure on a country to export, and here again the United States dominates. From 2010 to 2015 the United Kingdom, France, and Germany all exported about half of their defense production, while Italy exported 82 percent¹² and Russia 39 percent.¹³ In contrast, the United States on average exports only a quarter of the arms produced by its firms. It is this combination of strong domestic demand and a diverse portfolio of client states that makes the United States’ market power vis-à-vis clients so strong relative to any other exporter.

“OBAMA WAS THE RAFALE’S BEST SALESMAN”¹⁴

U.S. market power results in lower levels of conventional weapons proliferation, technology diffusion, and corruption in contracting arrangements. This is not because the United States is a particularly responsible or moral country, but because it can afford to use its competitive advantage to restrict these nuisances while still taking care of its military, industrial base, and client states. Less powerful, second-tier exporting states are too constrained by the economics of production to effectively pursue many goals other than increased arms sales.¹⁵

To show how market power can help mitigate some of the worst aspects of the global arms trade, we can consider the customer base of each major weapons exporter by its potential for defense corruption and observance of human rights.¹⁶ Using Stockholm International Peace Research Institute data on arms deliveries from 2012 to 2016, [Figure 2](#) splits each country's exports according to whether the recipient scored a "C" or better in Transparency International's (TI) Government Defence Anti-Corruption Index.¹⁷ [Figure 2\(a\)](#) presents the absolute level of exports for each category, while [2\(b\)](#) shows the two categories' share of all exports.

Before moving on to specific countries, we can see that the numbers confirm many of our worst fears about the arms trade: most interstate MCW transfers go to countries with very high potentials for defense corruption. In absolute terms, the United States has essentially cornered the market for exports to countries that are reasonably transparent in their acquisitions and security policy practices. Russia and China, the second and third largest exporters, transfer weapons almost exclusively to poorly scoring countries. France and the United Kingdom, the next largest, also sell a much higher percentage to low-scoring regimes compared to the United States.

Turning to [Figures 3\(a\)](#) and [3\(b\)](#), which divide importers by whether they score a "2" or better on the Political Terror Index, we see similar results.¹⁸ Clearly, arms purchases remain mired in a nontransparent marketplace where the majority of weapons are imported by human rights abusers. The export portfolios of Russia and China, as well as those of France and the United Kingdom, rely heavily on countries with poor human rights records.¹⁹

Efforts by European states to increase their exports, coupled with the Obama administration's relative discretion in tying some exports to good behavior by

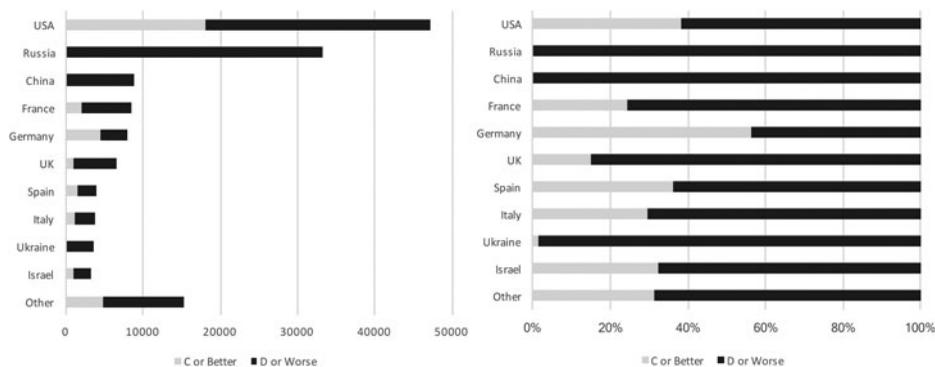


Figure 2(a) and 2(b): Exports of Major Suppliers by Clients' Defense Corruption Potential, as Total Exports and Percent of Exports

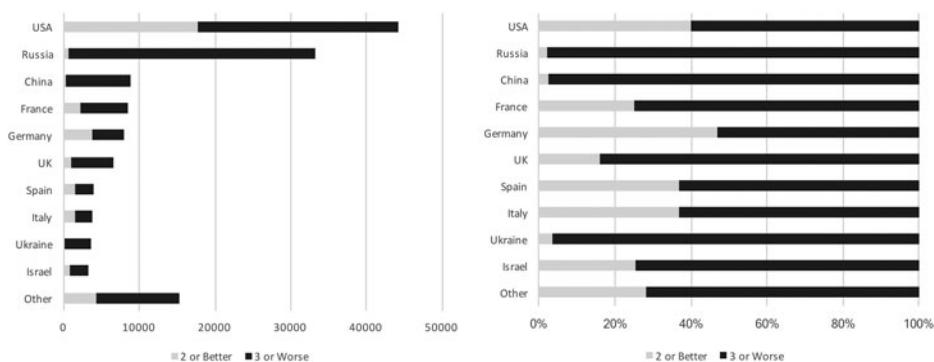


Figure 3(a) and 3(b): Exports of Major Suppliers by Clients' Political Terror Rating, as Total Exports and Percent of Exports

clients, will likely increase this divide in coming years (even given the uncertain policy stances of the Trump administration). The divergences in Figures 2 and 3 grow larger when one examines the more future-oriented data on arms transfer agreements compiled by the U.S. Congressional Research Service. Consider, for example, the financial value of agreements with leading Near East arms importers—countries with which overall agreements increased by 36 percent between 2008–2011 and 2012–2015—all of which have high levels of corruption and poor human rights records.²⁰ While the value of agreements between these countries and the United States has dropped by 37 percent across these two periods, export agreements to the region by France, Germany, Italy, and the United Kingdom have tripled from their 2008–2011 levels. Both Russia's share and that of smaller European countries have climbed even faster, and are approximately 4.5 times those of the previous period.

The above evidence does not prove that the United States causes good behavior by its arms export policies. Countries that import weapons in appreciable amounts and meet high transparency and human rights standards tend to be (a) rich enough to buy the sophisticated weapons in which the United States specializes and (b) allied with the United States. Rather, the data show that, relative to any other state, the United States does not *need* its exports to problematic regimes to underpin the health of its arms industry. Moreover, any effort by second-tier states to increase their own exports will likely rely on regimes with high potential for corruption and human rights abuses.

Egypt, under limited U.S. sanctions after its 2013 coup and subsequent human rights abuses, starkly illustrates the behavior that a competitive arms market

encourages in second-tier arms producers. While the U.S. response was fairly tepid, the United States did place real restrictions on arms transfers to the al-Sisi regime, delaying F-16 and other major platform deliveries and postponing military exercises.²¹ The Obama administration announced that future Foreign Military Financing grants (of which Egypt is one of the largest recipients) may only be used to purchase new equipment specifically for counterterrorism, border and maritime security, and for patrolling Sinai.

Other states quickly attempted to fill this gap. In 2014, Russia signed a multibillion-dollar deal to supply attack helicopters and MiG-29 fighter aircraft to Egypt. France off-loaded *Mistral* helicopter carriers (originally intended for Russia but embargoed after the invasion of Crimea), sold four corvettes and a frigate, and propped up its Rafale fighter production line by making that plane's first export sale to Egypt. Germany agreed to supply two submarines to the Egyptian Navy in 2011 and two more in 2014. Overall, the export agreements of major European sellers to Egypt have gone up *forty-seven-fold* over the previous period.²² A blistering Amnesty International report calls out nearly half of the European Union member states for "flouting" an EU-wide suspension of arms transfers to Egypt.²³

A competitive market not only encourages dealings with problematic buyers but also creates pressure for technology transfer. Indeed, the reluctance of the United States to export weapons production know-how means that technology transfer is a key competitive advantage, indeed a necessity, for even as sophisticated an exporter as France.²⁴ Turkey has methodically played European, Chinese, and Russian long-range air and anti-missile defense systems against each other in a bid not just to lower the price tag but especially to acquire advanced technology. The U.S.-made Patriot system was eliminated from consideration because most of its technology would not be given to Turkey. In announcing the deal with Russia, Turkey's presidential spokesman was frank: "Let's say the price difference could have been manageable. But the issue of technology transfer was more important. On this issue, our allies, including the United States, caused a big disappointment."²⁵

Turkey explicitly seeks to enter the top echelon of arms exporters, and understands it needs foreign technology to do so.²⁶ Should it fail, like so many aspiring exporters do, it will have consumed enormous amounts of the country's resources to produce a product that could be bought easily from any number of existing producers. Should it succeed, it will join a very crowded field. Growing competition

will lead to more proliferation, fewer scruples about corruption and human rights, and generous amounts of technology transfer to clients. The consequences of a desperate Russia's freewheeling export policies in the 1990s and early 2000s clearly helped fuel China's own increasingly successful international sales push.²⁷ Finally, transferring technology and production to the client can hinder human rights and anti-corruption efforts in more direct ways. For example, shifting production of sensitive components to third-party countries has allowed German defense firms to skirt their home country's export regulations.²⁸

And the entry of desperate second-tier suppliers shapes U.S. behavior in turn. The presence of alternate sources, also known as the "gray threat," has an effect even on the United States, as shown by the recent U.S. decision to resume military aid and most sales to Egypt. Thailand presents a similar example. The United States, the Thai military's traditional supplier, largely ceased both arms sales and military assistance after that country's 2014 coup. Thailand accordingly procured weapons from relatively new suppliers, such as China, Russia, and Ukraine, and has strengthened ties with suppliers from Israel, Sweden, and other countries in Europe. The United States is now resuming much of its sales to that country.

WITH GREAT MARKET POWER COMES GREAT(ER) RESPONSIBILITY

So far this essay has shown the pressures that most arms manufacturing countries feel to export abroad. It has described a growing market with increasing competition among potential suppliers. Finally, it has detailed how often most states export to corrupt governments that abuse human rights, as well as to those seeking to develop their own export capacity, further fueling proliferation. The question now is: What can be done to slow the rise in arms transfers?

The products produced by the "merchants of death" have traditionally been considered one of the great menaces of international life.²⁹ Yet, from the Second Council of the Lateran prohibition on crossbow use against Christians to Tsar Nicholas II's calling of the 1899 Hague Convention, efforts to control the spread and use of weapons have been sporadic and largely ineffective.³⁰ In the aftermath of World War I the arms industry received a great deal of blame for fueling the global slaughter, and disarmament underpinned the establishment first of the League of Nations and then, after World War II, the United Nations. The results of such institutional responses speak for themselves.

Nonetheless, there exists an order in the global exchange of weapons. It rests not on multilateral compacts among sovereign states but on the self-centered actions of one powerful market-maker. The unique economics of weapons production—substantial and rising fixed costs and potential for “network effects”—creates an environment favorable to a monopoly, and the United States can fill that role, as Ethan Kapstein laid out in 1994.³¹ The traditional practice of a monopolist is to restrict supply, causing prices to rise and profits to soar. These profits, known to economists as “rent,” are generally financial in the world of commercial firms. Economists and regulators generally consider rent a social ill, as it comes at the expense of the consumer welfare arising from a more competitive market. But in a world of states, where the product is advanced weaponry, a reduction in the supply, and thus a rise in prices, is a market distortion akin to a “sin tax.” Rent can have a benign effect.

Moreover, instead of collecting this rent in the form of additional *financial* gains, the United States collects some of it in terms of *political influence*: restricting the supply of technology, cutting off some (but certainly not all) of the most odious regimes, enforcing stringent anti-corruption rules, and even occasionally encouraging the observance of human rights norms. The consequent reduction in the ills associated with a competitive arms trade does not result because the United States is a benign power; it is simply pursuing its own interests. But many of the interests it chooses to pursue remain aspirational for other states. As much as, or even more than, the United States, countries such as Canada or Sweden desire both a healthy defense industry and a reputation for international do-gooding. Unfortunately, they cannot afford both.³²

Historically, the United States has foregone exporting its highest-capability weapons to a region until a viable competing product emerges; for example, refusing to deliver Advanced Medium-Range Air-to-Air Missiles (AMRAAM) to Asian states until China purchased the Russian equivalent R-77 (dubbed the “AMRAAM-ski”).³³ The United States can also afford to cut off clients over policy differences, as it did when it crippled India’s Tejas light combat aircraft program with sanctions in 1998 following that country’s testing of nuclear weapons. U.S. policy explicitly links its market dominance of high-end weapons to a practice of “unilateral restraint” in its sales.³⁴

Not selling weapons to a regime is only one of the ways the United States exercises its market power to advance its political goals. U.S. weapons that are deemed exportable but sensitive—which includes major weapons but also “man-portable

air defense missiles, cryptographic equipment, precise geo-locational positioning technologies, and airborne early warning and control systems”³⁵—are sold almost exclusively through the Foreign Military Sales (FMS) program, rather than through the somewhat less regulated “direct commercial sales” (DCS) route.³⁶ With very few exceptions, all weapons purchased through U.S. foreign aid are also processed through this mechanism.³⁷ Indeed, FMS is an unheralded counter-proliferation program that also makes corruption relatively hard, as clients pay the same price as the United States military (plus 3.5 percent administration costs), and most of the contracting is handled by the Department of Defense. For U.S. arms deliveries from 2011 to 2015, FMS handled 76 percent of the financial value.³⁸

Relative to any other major arms supplier, the United States attaches many strings to its sales. It requires strict technology transfer controls, enforces relatively comprehensive anti-corruption standards for its companies (and other states’ companies through the Foreign Corrupt Practices Act), and makes onerous demands (including on-site inspections) of importing states to ensure weapons do not get transferred to third parties. One Russian observer writing for the United Nations noted that “U.S. End-Use Monitoring Programs represent an undisputable strength of the U.S. export control system (ECS) that no country can rival.” The same report rather drily notes a possible explanation for U.S. pro-bity: “ECS is frequently used for influencing the end-user’s foreign policy.”³⁹

The effect of U.S. market power is not absolute and is likely only to delay the spread of weapons. As the Egyptian case demonstrates, when the United States restricts weapons to punish what it considers bad behavior, other countries can fill the gap. The recent removal of many technologies from the United States Munitions List—a roster of products subject to controls under the Arms Export Control Act of 1976—was driven in part by the American arms industry convincing the government that it is losing competitive advantage abroad. Consequently, many weapons transfers may no longer be subject to rigorous human rights vetting and end-use monitoring by the State Department.⁴⁰ Eroding American market dominance of higher-end weapons makes it less likely that the United States will continue to exercise its traditional policy of “unilateral restraint” in their sale.⁴¹

This process of delayed diffusion, and the delicate balance inherent to it, is clearly underway as the United States cautiously enters the now reasonably competitive unmanned aerial vehicle (UAV) export market (over the past five years Israel has delivered 53 percent of all drone exports, the United States 25 percent, and China 21 percent) while trying to manage the international proliferation of

these products.⁴² The U.S. military makes extensive use of armed and unarmed drones, and it would prefer to remain the only country doing so. Barring that, however, it would (for entirely selfish reasons) prefer to ensure that it maintains an insurmountable lead in terms of technology and capability. To this end, it has not only refrained from exporting most drones (particularly armed versions), it has at times leaned heavily on other suppliers, such as Israel, to restrain their exports. Further, the United States has, with minimal effect, attempted to introduce a code of conduct for drone exports. It is only with the clear rise of China as an alternate supplier that the United States has seemed willing to relax its export restrictions.⁴³ Nonetheless, even if the United States begins exporting UAVs more freely, if history is any indication, American drones will dominate the market and be subject to rigorous regulation relative to the competition. And the fact that the next most plausible competitor, Israel, is highly dependent on the United States suggests the possibility for bilateral and multilateral arrangements.

Elsewhere I have argued that the global market is developing along two tracks.⁴⁴ Looking again at [Figure 1](#), while the concentration ratio has declined consistently over the past decade, U.S. market share has held remarkably steady. At the high end of the market, the United States remains largely unchallenged. The F-35, the principal fighter aircraft for the entire U.S. military for the next several decades, is a notoriously problematic plane, over budget and chock-full of performance compromises. But for all its well-known problems, it has never lost an international fighter competition.⁴⁵ The rising powers, even a determined China, will struggle to mount the cost curve for the most advanced weapons in a way that the United States does with relative ease. The other track, which involves less sophisticated but still deadly weapons such as diesel submarines and anti-ship cruise missiles, is another matter and will require the cooperation of other states to manage.

FROM SHRINKING MONOPOLY TO GROWING CARTEL?

Although the U.S. policy of “unilateral restraint” may relax in the face of increased competition, the United States still has the power to lead an informal cartel of like-minded MCW suppliers to exercise more multilateral restraint. Indeed, by further reducing competitive pressures and widening international interests, a U.S.-led cartel would be both less corrupt and deliver fewer and less sophisticated weapons

to human rights abusers. It would also, not incidentally, make more money for cartel members.

The United States already employs an industrial policy with its smaller partners that strikes a crucial bargain: clients join an American-dominated global supply chain in return for cheaper weapons, larger orders of subcomponents from local firms, and access to leading-edge weapons technology. These smaller states, in turn, must reconcile themselves to surrendering to the United States much of their foreign and defense policies, including foregoing sales to regimes that threaten U.S. interests.⁴⁶ The process is characterized by hard bargaining and by a considerable degree of coercion and leverage by the United States, such as when it kicked Israel out of the Joint Strike Fighter program in response to that country selling UAV parts to China.⁴⁷

Two additional U.S. policies would help solidify this arrangement into an informal cartel. First, the United States must make a distinction between using its clout to advance its political ends versus economic gain. Israeli officials I have interviewed, for example, grudgingly defer to U.S. wishes on arms exports if they trust it is done for political rather than economic reasons. This may explain why Israel is extremely resistant to the international code of conduct that the United States advances for global drone exports. It is not simply because U.S.-made UAVs threaten to destroy Israel's commanding position in that global market, but because the United States is doing so for largely economic reasons.

Second, smaller members of the cartel must also benefit. In this spirit, the United States should liberalize its own defense acquisition. Though it has done poorly on this front in the past, the U.S. Air Force's current \$16 billion fighter-trainer contract has been narrowed down to three candidates with foreign connections: a Lockheed Martin-Korea Aerospace Industries version of Korea's T-50; a new design from a Boeing-Saab team; and an entirely foreign offering from Leonardo. Winning such a contract will give one of three like-minded states (South Korea, Sweden, and Italy, respectively) a boost in international competitions elsewhere against less scrupulous dealers. And the United States can still shape these exports for its political interests, such as when it banned Korea's transfer of T-50s to Uzbekistan.⁴⁸

Client states need not like this arrangement. Indeed, one of the primary reasons to build an export market is to avoid dependency on a country like the United States for weapons. But modern defense economics make this infeasible for almost every country on the planet.⁴⁹ Moreover, the economies of scale available to a country

with the military budget of the United States provide such an economic surplus that it can make an offer—including carrots and sticks—that is hard to refuse.

The most famous international cartel, OPEC, is notorious for both its menace and its ineffectiveness, and some might wonder whether an MCW cartel would earn the same reputation. However, this worry seems unfounded. Major conventional weapons are not commodities like oil or diamonds. Their export is relatively hard to hide, making cheating difficult. With its massive domestic budget, and its large network, the United States has a position in the conventional weapons market that Saudi Arabia could never dream of enjoying with oil. And the United States has the capacity to punish cheaters and reward those that play by the rules. Indeed, there are few other products as conducive to this sort of market control.⁵⁰

In areas where the United States does not compete, such as diesel submarines—largely because it has no interest in purchasing such products for its own military—competition will continue to grow. While not directly participating in this other market, however, the United States does have an interest in shaping it. And this is feasible given that NATO members, South Korea, Israel, and other allies of the United States are responsible for 29 percent of total global arms exports.

Where does this leave the two major arms exporters, China and Russia, which are unlikely to join such a U.S.-dominated cartel even in the improbable event they were invited? Keeping Chinese and Russian hardware out of as many large export markets as possible will inhibit the development of the economies of scale that the two countries require for a healthy and technologically advanced defense industry. And choking off the supply of technology that these countries continue to desperately need to maintain competitive products will further widen the quality gap between their products and those of the cartel.

“TWO CHEERS?”

When judging the effects of U.S. dominance on major conventional weapons proliferation, I have been careful to use qualifiers such as “relative.” The United States, pursuing what it considers to be its interests, may impede grander forms of international cooperation and perpetuate a certain type of warfare that suits its ends.⁵¹ It was certainly no friend to the UN Conventional Arms Trade Treaty in its early stages of development.⁵² As signed, the CATT is a pretty transparent effort to legitimate and spread existing U.S. practices.⁵³ But international politics as

currently practiced does not allow for a more effective means of moderating the spread of weapons. Activists and U.S. foreign policymakers should also have realistic expectations that many of these steps will only delay proliferation and make it more expensive; they will not eliminate it altogether.

While a cartel of like-minded allies would cement U.S. influence over major conventional weapons proliferation, this essay has shown that the economic and political power of the U.S. market remains sufficiently high that it can unilaterally enforce higher ethical standards for vast swathes of the global arms market. Krause, in discussing the difference between first- and second-tier arms exporters, argues that market power is a prerequisite for a state to use arms sales to advance political, rather than economic, goals.⁵⁴ But what if a first-tier state is interested solely in the latter?

Largely in the name of supporting U.S. manufacturing jobs, but also due to a lack of interest in promoting liberal norms abroad, the Trump administration has already overturned several of the previous administration's decisions to hold up arms sales over human rights concerns for countries such as Bahrain, Nigeria, Saudi Arabia, and Thailand. But even if a monopolist collects its rent in cash instead of political gains, the supply of arms will be reduced. It remains easier to change the foreign policy position of one large state than shift an entire market. Finally, such an administration is unlikely to be interested in the Arms Trade Treaty either.

There is something ironic, perhaps even perverse, in labeling the world's largest arms dealer as the best hope for counter-proliferation. Such a market will be rife with hypocrisy as large sales continue to go to countries such as Saudi Arabia, and will give the United States tremendous leverage in influencing smaller states' foreign (and domestic) policies. But it will also result in a less competitive global arms market, which will go a long way in slowing the proliferation of dangerous technology, reducing the resources spent in the developing world on weapons, stymieing the deadweight losses of corruption in the arms industry, and lowering the rewards for human rights abusers. While far from an ideal arrangement, one cannot let perfect be the enemy of the good.

NOTES

¹ Compared to major conventional weapons, the political economy of producing and transferring either small arms or nuclear weapons differs greatly and will not be considered here.

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 - ⁸ Andrea Gilli and Mauro Gilli, “The Diffusion of Drone Warfare? Industrial, Organizational, and Infrastructural Constraints,” *Security Studies* 25, no. 1 (2016), pp. 50–84, doi:10.1080/09636412.2016.1134189.
 - ⁹ Stockholm International Peace Research Institute (SIPRI), “SIPRI Arms Transfers Database” (2016). For more information on how SIPRI calculates the trend indicator value, visit <https://www.sipri.org/databases/armstransfers/background#TIV-tables>.
 - ¹⁰ Keith Krause, *Arms and the State: Patterns of Military Production and Trade* (Cambridge: Cambridge University Press, 1992), p. 179.
 - ¹¹ “SIPRI Arms Transfers Database” (2016).
 - ¹² Ibid.
 - ¹³ Centre for Analysis of Strategies and Technologies, “Russian Defense Industry and Arms Trade: Facts and Figures,” Moscow (2016), cast.ru/For_pdf/2016_eng.pdf.
 - ¹⁴ Dominique Gallois, “Ventes d’Armes : La Stratégie Gagnante de La France,” *Le Monde*, August 21, 2015, www.lemonde.fr/idees/article/2015/08/21/ventes-d-armes-la-strategie-gagnante-de-la-france_4732524_3232.html.
 - ¹⁵ Krause, *Arms and the State*, pp. 29–32.
 - ¹⁶ Sixty-eight percent of U.S. exports are to the “developing world.” Compared to all other countries, Germany exports the next smallest percentage at 82 percent. Catherine A. Theohary, “Conventional Arms Transfers to Developing Nations, 2008–2015,” Congressional Research Service (CRS), Washington, D.C., December 19, 2016. Several econometric articles link U.S. arms exports to human rights observance and democracy. See Shannon Lindsey Blanton, “Foreign Policy in Transition? Human Rights, Democracy, and U.S. Arms Exports,” *International Studies Quarterly* 49, no. 4 (2005), pp. 647–67, doi:10.1111/j.1468-2478.2005.00382.x; and Shannon Lindsey Blanton, “Promoting Human Rights and Democracy in the Developing World: U.S. Rhetoric versus U.S. Arms Exports,” *American Journal of Political Science* 44, no. 1 (2000), pp. 123–31, doi:10.2307/2669298. Jennifer L. Erickson on the other hand finds little statistical linkage between U.S. exports and human rights. Erickson also finds that for the leading European exporters, “poor human rights are associated with increased arms transfers.” Jennifer L. Erickson, “Market Imperative Meets Normative Power: Human Rights and European Arms Transfer Policy,” *European Journal of International Relations* 19, no. 2 (2013), pp. 209–34, doi:10.1177/1354066111415883.
 - ¹⁷ Transparency International (TI), “Government Defence Anti-Corruption Index” (2016), government.defenceindex.org. TI employs a peer-reviewed 77-question questionnaire to measure “levels of corruption risk in national defence establishments.” Countries received a “C” or better if they scored above 50 percent of all the possible points in the assessment. It must be noted that TI “considers a lack of transparency in the defence structures to pose as significant a corruption risk as the lack of structure itself.” For a description of its methodology, see government.defenceindex.org/methodology/.
 - ¹⁸ Mark Gibney et al., “The Political Terror Scale 1976–2015” (2016), www.politicalterrorsscale.org/Data/. The Political Terror Scale (PTS) measures levels of political violence and terror that a country experiences in a particular year based on a 5-level “terror scale” derived from three different sources: the yearly country reports of Amnesty International, the U.S. State Department, and Human Rights Watch. According to PTS, states that score a “2” have a “limited amount of imprisonment for non-violent political activity . . . torture and beatings are exceptional . . . political murder is rare.” States coded as a “3” have “extensive political imprisonment or a recent history of such imprisonment. Execution or other political murders and brutality may be common. Unlimited detention, with or without a trial, for political views is accepted.” Note that PTS distinguishes between Israel’s human rights record in the

occupied territories and in its pre-1967 borders. Coding for Israel, given the vastness of U.S. markets, does little to change the overall percentages between the two categories.

- ¹⁹ While some middle-level exporters in Europe look better than the United States in 2(b) and 3(b), this is an artifact of the tightly regional nature of their clients. For this time period, some 39 percent of Germany's arms exports and 38 percent of Italy's go to Europe or the United States; 27 percent of Spain's exports went to Australia alone.
- ²⁰ Theohary, "Conventional Arms Transfers." CRS includes Turkey, the Middle East, and North Africa into the "Near East" region. Note that the report only breaks out Near East countries by supplier.
- ²¹ Counterterrorism assistance, military training, and the provision of spare parts continued.
- ²² Theohary, "Conventional Arms Transfers."
- ²³ Amnesty International, "EU: Halt Arms Transfers to Egypt to Stop Fuelling Killings and Torture," May 25, 2016, www.amnesty.org/en/latest/news/2016/05/eu-halt-arms-transfers-to-egypt-to-stop-fuelling-killings-and-torture/.
- ²⁴ Pierre Tran, "Group Wants Tech Transfer to Define Strategies of French Arms Companies," *Defense News*, April 8, 2016.
- ²⁵ Kerry Herschelmann, "Finalising S-400 Agreement with Russia, Turkey Rejects NATO Interoperability Argument," *Jane's Defence Weekly*, July 31, 2017.
- ²⁶ Hüseyin Bağcı and Çağlar Kurç, "Turkey's Strategic Choice: Buy or Make Weapons?" *Defence Studies* 17, no. 1 (2017), pp. 38–62, doi:10.1080/14702436.2016.1262742.
- ²⁷ Nikolas K. Gvosdev and Christopher Marsh, *Russian Foreign Policy: Interests, Vectors, and Sectors* (Thousand Oaks, Calif.: CQ Press, 2014), pp. 136–40.
- ²⁸ Hasnain Kazim, "German Arms Firms Seek Cooperation with India," *Der Spiegel*, July 18, 2012, www.spiegel.de/international/germany/growing-resistance-to-german-arms-exports-to-india-a-844934-druck.html.
- ²⁹ John Edward Wiltz, "The Nye Munitions Committee, 1934," in Arthur M. Schlesinger and Roger Bruns, eds., *Congress Investigates: A Documented History, 1792–1974* (New York: Chelsea House, 1975), pp. 2735–2922.
- ³⁰ International treaties and cooperation have moderated the spread of nuclear weapons, but I argue that this is due to these weapons' unique economic and destructive qualities. Small arms and light weapons, due to their economic nature, are unlikely to be moderated either by treaty or by making the market less competitive.
- ³¹ Jonathan Caverley and Ethan Kapstein, "Arms Away," *Foreign Affairs* 91, no. 5 (2012); and Ethan Kapstein, "America's Arms-Trade Monopoly: Lagging Sales Will Starve Lesser Suppliers," *Foreign Affairs* 73, no. 3 (1994).
- ³² Srdjan Vucetic, "A Nation of Feminist Arms Dealers? Canada and Military Exports," *International Journal* (forthcoming).
- ³³ Arms Control Association, "Three Asian Countries to Get U.S. Missiles," *Arms Control Today* 33, no. 7 (September 2003). For a recent restatement of this policy, see Gregory M. Kausner, "Conventional Arms Transfer Policy: Advancing American National Security through Security Cooperation" (Remarks, IISS-US Policymakers Series, Washington, D.C., April 23, 2014).
- ³⁴ Barack Obama, "Presidential Policy Directive: United States Conventional Arms Transfer Policy," Presidential Policy Directive/PPD-27, Washington, D.C., January 15, 2014.
- ³⁵ Derek Gilman et al., "Foreign Military Sales and Direct Commercial Sales," Washington, D.C., September 30, 2014, www.dsca.mil/sites/default/files/final-fms-dcs_30_sep.pdf.
- ³⁶ Gilman et al., "Foreign Military Sales and Direct Commercial Sales."
- ³⁷ Partial exceptions are made for Israel, Egypt, Jordan, Turkey, Greece, Portugal, Morocco, Tunisia, Pakistan, and Yemen. Gilman et al., "Foreign Military Sales and Direct Commercial Sales." Note that the Trump administration is threatening to cut the Foreign Military Financing program that funds some of these foreign purchasers. Aaron Mehta and Joe Gould, "Trump Budget to Cut Foreign Military Financing, with Loan Option Looming," *Defense News*, May 19, 2017.
- ³⁸ Defense Security Cooperation Agency, "Fiscal Year 2016 Sales Total \$ 33.6B," News Release, November 8, 2016, www.dsca.mil/news-media/news-archive/fiscal-year-2016-sales-total-336b.
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- ⁴¹ Obama, "Presidential Policy Directive: United States Conventional Arms Transfer Policy" (2014).
- ⁴² "SIPRI Arms Transfers Database" (2016).
- ⁴³ "The limitations the US has imposed on itself is what led to the rise of Chinese strike UAVs in the world," notes Barbara Opall-Rome, quoting Tal Inbar, head of UAV and Space Programs at Israel's

- Fisher Institute for Strategic Air and Space Studies. See Barbara Opall-Rome, "Israel Wary of US Armed Drone Initiative," *Defense News*, September 1, 2016, www.defensenews.com/articles/israel-wary-of-us-armed-drone-initiative. This statement is a bit cute, of course; Israel is the world's dominant exporter of drones, largely thanks to U.S. restraint. For an overview of U.S. unmanned systems, see Elisa Catalano Ewers et al., "Drone Proliferation: Policy Choices for the Trump Administration," Center for a New American Security, June 2017. This is a useful primer, albeit one that criticizes the United States for "overly prioritiz[ing] limiting proliferation at the expense of other U.S. interests."
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- ⁴⁵ Ibid.
- ⁴⁶ For a broad overview of U.S. hierarchy, see David A. Lake, *Hierarchy in International Relations* (Ithaca: Cornell University Press, 2011).
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- ⁵⁰ Kapstein, "America's Arms-Trade Monopoly."
- ⁵¹ Anna Stavrianakis, "Legitimising Liberal Militarism: Politics, Law and War in the Arms Trade Treaty," *Third World Quarterly* 37, no. 5 (2016), pp. 840–65, doi:10.1080/01436597.2015.1113867.
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- ⁵⁴ Krause, *Arms and the State*.

Abstract: Proliferation of major conventional weapons (MCW) in larger numbers, at greater levels of sophistication, and to more actors is at best a waste of valuable resources and at worst fuel for more and bloodier conflicts. Given a track record of violence, repression, and corruption, norms against exporting weapons to active conflicts and human rights abusers, as well as norms in favor of transparency in weapons transfers, have grown more salient in recent years. Yet international efforts such as the UN Conventional Arms Trade Treaty show little promise for mitigating these ills. This article finds an alternate route toward moderating global arms transfers. It shows, with supporting data, how the United States, pursuing its own political interests, leverages its massive market power to slow the proliferation of dangerous technology, reduce resources spent in the developing world on weapons, stymie the deadweight losses of corruption in the arms industry, and lower the rewards for human rights abusers.

Keywords: monopolies, cartels, proliferation, international organization, U.S. foreign policy, arms trade